Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea) in the Natural History Museum, London

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Academic editor: A. Schileyko | Received 28 September 2013 | Accepted 24 January 2014 | Published 21 March 2014

Citation: Breure ASH, Ablett JD (2014) Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea) in the Natural History Museum, London. ZooKeys 392: 1–367. doi: 10.3897/zookeys.392.6328

Abstract

The type status is described of 404 taxa classified within the family Bulimulidae (superfamily Orthalicoidea) and kept in the London museum. Lectotypes are designated for Bulimus aurifluous Pfeiffer, 1857; Otostomus bartletti H. Adams, 1867; Helix cactorum d’Orbigny, 1835; Bulimus caliginosus Reeve, 1849; Bulimus chemnitzioidees Forbes, 1850; Bulimus cinereus Reeve, 1849; Helix cora d’Orbigny, 1835; Bulimus fallax Pfeiffer, 1853; Bulimus felix Pfeiffer, 1862; Bulimus fontainii d’Orbigny, 1838; Bulimus fourniersi d’Orbigny, 1837; Bulimus (Mesembrinus) gealei H. Adams, 1867; Bulimus gruneri Pfeiffer, 1846; Bulimus humboldti Reeve, 1849; Helix hygrohylaea d’Orbigny, 1835; Bulimus jussieui Pfeiffer, 1846; Bulimus (Drymaeus) binominis lascellianus E.A. Smith, 1895; Helix lichnorum d’Orbigny, 1835; Bulimus (Drymaeus) lucidus d’Orbigny, 1838; Bulimus meleagris Pfeiffer, 1853; Bulimus monachus Pfeiffer, 1857; Bulimus montagni d’Orbigny, 1837; Helix montivaga d’Orbigny, 1835; Bulimus muliebris Reeve, 1849; Bulimus nigrofasciatus Pfeiffer in Philippi 1846; Bulimus nitelinus Reeve, 1849; Helix oreades d’Orbigny, 1835; Helix polymorpha d’Orbigny, 1835; Bulimus praetextus Reeve, 1849; Bulinus proteus Broderip, 1832; Bulimus rusticellus Morelet, 1860; Helix sporadica d’Orbigny, 1835; Bulimus sulphureus Pfeiffer, 1857; Helix thamnoica var. marmorata d’Orbigny, 1835; Bulinus translacerus Broderip in Broderip and Sowerby I 1832; Helix trichoda d’Orbigny, 1835; Bulinus ustulatus Sowerby I, 1833; Bulimus voithianus Pfeiffer, 1847; Bulimus yungasensis d’Orbigny, 1837.
The type status of the following taxa is changed to lectotype in accordance with Art. 74.6 ICZN: *Bulimus* (*Drymaeus*) *caucaensis* da Costa, 1898; *Drymaeus* *excitus* da Costa, 1901; *Bulimus* (*Drymaeus*) *hidalgoi* da Costa, 1898; *Bulimus* (*Drymaeus*) *interruptus* Preston, 1909; *Bulimus* (*Drymaeus*) *inusitatus* Fulton, 1900; *Bulimus* *latecolunnellaris* Preston, 1909; *Bulimus* (*Otostomus*) *napo* Angas, 1878; *Drymaeus* *notabilis* da Costa, 1906; *Drymaeus* *notatus* da Costa, 1906; *Bulimus* (*Drymaeus*) *nubilus* Preston, 1903; *Drymaeus* *obliguistriatus* da Costa, 1901; *Bulimus* (*Drymaeus*) *ochrocheilus* E.A. Smith, 1877; *Bulimus* (*Drymaeus*) *orthostoma* E.A. Smith, 1877; *Drymaeus* *expansus* *perenensis* da Costa, 1901; *Bulimus* *pergracilis* Rolle, 1904; *Bulimus* (*Drymaeus*) *plicatoliratus* da Costa, 1898; *Drymaeus* *prestoni* da Costa, 1906; *Drymaeus* *punctatus* da Costa, 1907; *Bulimus* (*Leptomerus*) *santaeluciae* E.A. Smith, 1889; *Bulimus* (*Drymaeus*) *sellii* Preston, 1909; *Drymaeus* *subventricosus* da Costa, 1901; *Bulimus* (*Drymaeus*) *triginus* da Costa, 1898; *Drymaeus* *volus* Fulton, 1907; *Drymaeus* *wintlei* Finch, 1929; *Bulimus* *zborquinensis* Angas, 1879; *Bulimus* (*Drymaeus*) *ziczac* da Costa, 1898.

The following junior subjective synonyms are established: *Bulimus* *antiquensis* Pfeiffer, 1855 = *Bulimus* *baranguillanus* Pfeiffer, 1853; *Drymaeus* *bellus* da Costa, 1906 = *Drymaeus* *blandi* Pilsbry, 1897; *Bulimus* *hachensis* Reeve 1850 = *Bulimus* *gruneri* Pfeiffer, 1846 = *Bulimus* *columbianus* Lea, 1838; *Bulimus* (*Otostomus*) *lamas* Higgins 1868 = *Bulimus* *truijillensis* Philippi, 1867; *Bulimus* (*Drymaeus*) *binominis* *lascellianus* E.A. Smith, 1895 = *Bulimus* (*Drymaeus*) *binominis* E.A. Smith, 1895; *Drymaeus* *multispira* da Costa, 1904 = *Helix* *talallyi* d’Orbigny, 1835; *Bulimus* (*Drymaeus*) *plicatoliratus* Da Costa, 1898 = *Bulimus* *convexus* Pfeiffer, 1855; *Bulimus* *sugillatus* Pfeiffer, 1857 = *Bulimus* *rivissi* d’Orbigny, 1837; *Bulimus* *meridionalis* Reeve 1848 [June] = *Bulimus* *voithianus* Pfeiffer, 1847.

New combinations are: *Bostryx* *montagnei* (d’Orbigny, 1837); *Bostryx* *obliquiportus* (da Costa, 1901); *Bulimulus* *belloicus* (d’Orbigny, 1835); *Drymaeus* (*Drymaeus*) *lusorius* (Pfeiffer, 1855); *Drymaeus* (*Drymaeus*) *trigonostomus* (Jonas, 1844); *Drymaeus* (*Drymaeus*) *wintleti* Finch, 1929; *Drymaeus* (*Mesembrinus*) *conicus* da Costa, 1907; *Kuschelenia* (*Kuschelenia*) *culminea* *culminea* (d’Orbigny, 1835); *Kuschelenia* (*K*) *culmineus* *edwardsi* (Morelet, 1863); *Kuschelenia* (*K*) *gayi* (Pfeiffer, 1857); *Kuschelenia* (*K*) *tupaci* (d’Orbigny, 1835); *Kuschelenia* (*Vermiculatus*) *antbianensis* (Pfeiffer, 1853); *Kuschelenia* (*Vermiculatus*) *aquilus* (Reeve, 1848); *Kuschelenia* (*Vermiculatus*) *bicolor* (Sowerby I, 1835); *Kuschelenia* (*Vermiculatus*) *caliginosus* (Reeve, 1849); *Kuschelenia* (*Vermiculatus*) *cotopaxiensis* (Pfeiffer, 1853); *Kuschelenia* (*Vermiculatus*) *filaris* (Pfeiffer, 1853); *Kuschelenia* (*Vermiculatus*) *ochracea* (Morelet, 1863); *Kuschelenia* (*Vermiculatus*) *petiti* (Pfeiffer, 1846); *Kuschelenia* (*Vermiculatus*) *purpurnus* (Reeve, 1849); *Kuschelenia* (*Vermiculatus*) *quechuarum* (Crawford, 1939); *Naesiotus* *cinereus* (Reeve, 1849); *Naesiotus* *dentritis* (Morelet, 1863); *Naesiotus* *fontainii* (d’Orbigny, 1838); *Naesiotus* *orbignyi* (Pfeiffer, 1846); *Protoxyptus* *pilosus* (Guppy, 1871); *Protoxyptus* *santaeluciae* (E.A. Smith, 1889).

Type material of the following taxa is figured herein for the first time: *Bulimus* *cinereus* Reeve, 1849; *Bulimus* *coriaceus* Pfeiffer, 1857; *Bulimulus* *laxostylus* Rolle, 1904; *Bulimus* *plicatulatus* Pfeiffer, 1857; *Bulimus* *simpliculus* Pfeiffer, 1855.

**Keywords**

Bulimulidae, types

**Introduction and methods**

This is the third paper on the types of Orthalicoidea in the Natural History Museum, London. Earlier papers (Breure and Ablett 2011, 2012) have presented the context of the collection, the criteria used for the selection of lectotypes, some biohistorical notes,
and a list of type specimens belonging to the Amphibulimidae, Bothriembryontidae, and Odontostomidae. The aim of this paper is to supplement the earlier papers with data of the type specimens classified with the Bulimulidae (sensu Breure and Romero 2012).

References are given to the original publication, plus those of following papers where type material has been mentioned or is (re-)figured. Dates of publication are in accordance with Coan et al. (2013a, 2013b) and Duncan (1937). Abbreviations used for depositories of material are: ANSP, Academy of Natural Sciences, Philadelphia, U.S.A.; MHNG, Muséum d’Histoire Naturelle, Genève, Switzerland; MNHN, Muséum d’Histoire Naturelle, Paris, France; NHMUK, Natural History Museum, London, U.K.; RBINS, Royal Belgian Institute of Natural Sciences, Brussels, Belgium; RMNH, Naturalis Biodiversity Center, Leiden, the Netherlands (formerly the collections of Rijksmuseum van Natuurlijke Historie, Leiden, and Zoölogisch Museum, Amsterdam); SMF, Senckenberg Natur-Museum, Frankfurt am Main, Germany; ZMB, Zoologisches Museum, Humboldt Universität, Berlin, Germany. Other abbreviations used are: / end of line in cited text; coll., collection; D, diameter; H, shell height; leg., legit, collected; W, number of whorls. See Breure and Whisson 2012: fig. 1 for the way measurements on the shell have been taken. Label styles in the Cuming collection (“M.C. label style”) are explained in Breure and Ablett (2011: 7–8). Although most figures have been composed with the shells enlarged, its sizes retained relatively, one need to check the actual shell height in the legend.

Systematics

Systematic list of taxa arranged in generic order

This systematic list follows Breure (1979); the family classification is amended as proposed by Breure and Romero (2012). The latter authors conserved the well-known name Bulimulidae under Art. 35.5 ICZN, although Peltellinae Gray, 1855 falls within the same group. The generic classification has been adapted from Breure (1979) and unpublished data from the senior author. It may be noted that ongoing phylogenetic research may alter the classification. Within the family, genus and species level taxa are presented in alphabetical order.

Family Bulimulidae Tryon, 1867

**Auris** Spix, 1827
swainsoni Pfeiffer, 1845.

**Bostryx** Troschel, 1847 sensu Breure 1979 (see also Breure 2012b)
acalles Pfeiffer, 1853; affinis Broderip in Broderip and Sowerby I 1832; agueroi Weyrauch, 1960; aileenae Breure, 1978; albicans Broderip in Broderip and Sowerby I 1832; albicolor Morelet, 1863; albus Sowerby I, 1833; andoicus Mo-
relet, 1863; *apodemeta* d’Orbigny, 1835; *atacamensis* Pfeiffer, 1856; *balsanus* Morelet, 1863; *cactorum* d’Orbigny, 1835; *ceratacme* Pfeiffer, 1855; *cerica* Pfeiffer, 1856; *cactorum* d’Orbigny, 1835; *cacte* Pfeiffer, 1855; *cercicola* Morelet 1863; *compactus* Fulton, 1902; *conspersus* Sowerby I, 1833; *costatus* Weyrauch, 1960; *costifer* Weyrauch, 1960; *delumbis* Reeve, 1849; *denickei* J.E. Gray, 1852; *denticis* Morelet, 1863; *depstus* Reeve, 1849; *derelictus* Broderip in Broderip and Sowerby I 1832; *devians* Dohrn, 1863; *demaciatus* Morelet, 1863; *erosus* Broderip in Broderip and Sowerby I 1832; *ferrugineus* Reeve, 1849; *glomeratus* Weyrauch, 1960; *glo-meratus* Weyrauch, 1960; *guttatus* Broderip in Broderip and Sowerby I 1832; *hamiltoni* Reeve, 1849; *holostoma* Pfeiffer, 1846; *huascensis* Reeve, 1848; *infun-dibulum* Pfeiffer, 1853; *kathiae* Breure, 1978; *lacifluus* Pfeiffer, 1857; *lesueureana* Morelet, 1860; *lichnorum* d’Orbigny, 1835; *limensis* Reeve, 1849; *limonoica* d’Orbigny, 1835; *longinquus* Morelet, 1863; *luridus* Pfeiffer, 1863; *mejillonensis* Pfeiffer, 1857; *metagyra* Pilsbry and Olsson 1949; *minor* Weyrauch, 1960; *modestus* Broderip in Broderip and Sowerby I 1832; *modestus* Broderip in Broderip and Sowerby I 1832; *montagnei* d’Orbigny, 1837; *mordani* Breure, 1978; *multispira* da Costa, 1904; *nanus* Reeve, 1849; *nigrolimbatus* Pfeiffer, 1853; *obliquistriatus* da Costa, 1901; *orophilus* Morelet, 1860; *papillatus* Morelet, 1860; *paposensis* Pfeiffer, 1856; *paucicostatus* Breure, 1978; *philippii* Pfeiffer, 1842; *pictus* Pfeiffer, 1855; *pruinosus* Sowerby I, 1833; *pupiformis* Broderip in Broderip and Sowerby I 1832; *pustulosus* Broderip in Broderip and Sowerby I 1832; *reconditus* Reeve, 1849; *rehderi* Weyrauch, 1960; *rhodolarynx* Reeve, 1849; *rodriezi* Reeve, 1849; *scalaricosta* Morelet, 1860; *scalariformis* Broderip in Broderip and Sowerby I 1832; *serotinus* Morelet, 1860; *simpliculus* Pfeiffer, 1855; *spiculatus* Morelet, 1860; *stenacme* Pfeiffer, 1857; *terebralis* Pfeiffer, 1842; *turritella* d’Orbigny, 1835; *turritella* d’Orbigny, 1835; *villoziana* Morelet, 1863; *voithianus* Pfeiffer, 1847; *woodwardi* Pfeiffer, 1857.

**Bulimulus Leach, 1814**

*barbadensis* Pfeiffer, 1853; *cacticolus* Reeve, 1849; *dysoni* Pfeiffer, 1846; *effeminatus* Reeve, 1848; *erectus* Reeve 1849; *haplochrous* Pfeiffer, 1855; *heloica* d’Orbigny, 1835; *ignavus* Reeve, 1849; *inutilis* Reeve, 1850; *istapensis* Crosse & Fischer, 1873; *juvenilis* Pfeiffer, 1855; *mollicellus* Reeve, 1849; *monachus* Pfeiffer, 1857; *monetivensis* Pfeiffer, 1846; *nubeculatus* Pfeiffer, 1853; *pervius* Pfeiffer, 1853; *pessulatus* Reeve, 1848; *petenensis* Morelet, 1851; *plicatus* Pfeiffer, 1857; *rubrifasciatus* Reeve, 1848; *sporadica* d’Orbigny, 1835; *transparens* Reeve, 1849; *turritella* d’Orbigny, 1835; *vesicalis* Pfeiffer, 1853.

**Drymaeus (Drymaeus) Albers, 1850**

*abruptus* Rolle, 1904; *abscissus* Pfeiffer, 1855; *abyssorum* d’Orbigny, 1835; *aequatorialis* E.A. Smith, 1877; *acervatus* Pfeiffer, 1857; *acuminatus* da Costa, 1906; *albosta- rinus* da Costa, 1906; *albolabiatus* E.A. Smith, 1877; *ambustus* Reeve, 1849;
angustus da Costa, 1906; antioquiensis Pfeiffer, 1855; arcuatostriatus Pfeiffer, 1855; auris Pfeiffer, 1866; baranguillanus Pfeiffer, 1853; bartletti H. Adams, 1867; bellus da Costa, 1906; bogotensis Pfeiffer, 1855; bolivarii d’Orbigny, 1835; bolivi- anus Pfeiffer, 1846; boucardi da Costa, 1907; bourcieri Pfeiffer, 1853; brachysoma d’Orbigny, 1835; buckleyi Sowerby III, 1895; canaliculatus Pfeiffer, 1845; castaneostrigatus da Costa, 1906; caucaensis da Costa, 1898; chamaeleon Pfeiffer, 1855; chimboraensis Reeve, 1848; chiriquensis da Costa, 1901; clathratus Pfeiffer, 1858; coarctatus Pfeiffer, 1845; confluens Pfeiffer, 1855; convexus Pfeiffer, 1855; cuticula Pfeiffer, 1855; cyzcoensis Reeve, 1849; cylindrical da Costa, 1901; dacostae Sowerby III, 1892; dombeyanus Pfeiffer, 1846; dunkeri Pfeiffer in Philippi 1846; elstien da Costa, 1901; exoticus da Costa, 1901; expatriatus Preston, 1909; fabrefactus Reeve, 1848; fallax Pfeiffer, 1853; farrisi Pfeiffer, 1858; felix Pfeiffer, 1862; fenestratus Pfeiffer, 1846; flexilabris Pfeiffer, 1853; flexuosus Pfeiffer, 1853; fucatus Reeve, 1849; fusoides d’Orbigny, 1835; gealei H. Adams, 1867; geometricus Pfeiffer, 1846; hidalgoi da Costa, 1898; humboldtii Reeve, 1849; hygrohylea d’Orbigny, 1835; inclinatus Pfeiffer, 1862; incognitus da Costa, 1907; knorri Pfeiffer in Philippi 1846; lattrei Pfeiffer in Philippi 1846; linostoma d’Orbigny, 1835; lophoica d’Orbigny, 1835; lucidus da Costa, 1898; marmarinia d’Orbigny, 1835; murrinus Reeve, 1848; musivus Pfeiffer, 1855; napo Angas, 1878; notabilis da Costa, 1906; notatus da Costa, 1906; nyssianus Pfeiffer, 1853; ochrocheilus E.A. Smith, 1877; orthostoma E.A. Smith, 1877; phryne Pfeiffer, 1863; plicatoliratus da Costa, 1898; poecila d’Orbigny, 1835; praetextus Reeve, 1849; protractus Pfeiffer, 1855; pseudofusoides da Costa, 1906; pulcherrimus H. Adams, 1867; punctatus da Costa, 1907; quadrifasciatus Angas, 1878; recedens Pfeiffer, 1864; regularis Fulton, 1905; rosenbergi da Costa, 1900; saccatus Pfeiffer, 1855; scitulus Reeve, 1849; scitus H. Adams, 1867; selli Preston, 1909; serratus Pfeiffer, 1855; smithii da Costa, 1898; solidus Preston, 1907; spadiceus da Costa, 1906; spectatus Reeve, 1849; strigatus Sowerby I, 1833; subhybridus da Costa, 1906; subinterruptus Pfeiffer, 1853; subventricosus da Costa, 1901; sykesi da Costa, 1906; tigrinus da Costa, 1898; vespertinus Pfeiffer, 1858; volsus Fulton, 1907; xanthostoma d’Orbigny, 1835; yungasensis d’Orbigny, 1837; zhorquinensis Angas, 1879; ziczac da Costa, 1898; zoographica d’Orbigny, 1835.

**Drymaeus (Mesembrinus) Albers, 1850**

aestivus Pfeiffer, 1857; amandus Pfeiffer, 1855; andicola Pfeiffer, 1847; apicepunctata Preston, 1914; apiculata J.E. Gray, 1834; attenuatus Pfeiffer, 1853; aureolus Guppy, 1866; aurifluus Pfeiffer, 1857; broadwayi E.A. Smith, 1896; bugabensis Martens, 1893; californicus Reeve, 1848; cancellata da Costa, 1906; castus Pfeiffer, 1847; championi Martens, 1893; cirronellus Angas, 1879; colombiensis Pfeiffer, 1856; conicus da Costa, 1907; demotus Reeve, 1850; depictus Reeve, 1849; deshayesi Pfeiffer, 1845; discrepans Sowerby I, 1833; dubius Pfeiffer, 1853; dutaillyi Pfeiffer, 1857; electrum Reeve, 1848; erubescens Pfeiffer, 1847; feriatus Reeve, 1850; fidustus Reeve, 1849; flavidulus E.A. Smith, 1877; floridanus Pfeiffer, 1857; fusobasis E.A. Smith, 1877; gabbi Angas, 1879; gruner Pfeiffer, 1846; hachensis Reeve, 1850; hepatostomus Pfeiffer,
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1861; hoffmanni Martens, 1893; hondurasanus Pfeiffer, 1846; hypozonus Martens, 1893; immaculatus C.B. Adams in Reeve 1850; incarnatus Pfeiffer, 1855; inglorius Reeve, 1848; interruptus Preston, 1909; inusitatus Fulton, 1900; jonasi Pfeiffer in Philippi 1846; keppeli Pfeiffer, 1853; koppeli Sowerby III, 1892; laetus Reeve, 1849; lascellianus E.A. Smith, 1895; lirinus Morelet, 1851; lividus Reeve, 1850; loxensis Pfeiffer, 1846; lucidus Reeve, 1848; lurorius Pfeiffer, 1855; manypictus Reeve, 1848; meridanus Pfeiffer, 1846; monilifer Reeve, 1849; moricandi Pfeiffer, 1847; mossi E.A. Smith, 1896; moussoni Pfeiffer, 1853; muliebris Reeve, 1849; nigrofasciatus Pfeiffer in Philippi 1846; nitelinus Reeve, 1849; nitidus Broderip in Broderip and Sowerby I 1832; pallens Reeve, 1849; panamensis Broderip in Broderip and Sowerby I 1832; pervariabilis Pfeiffer, 1853; prestoni da Costa, 1906; primula Reeve, 1848; puellaris Reeve, 1850; rawsonis H. Adams, 1873; rectilinearis Pfeiffer, 1855; roseatus Reeve, 1848; signifer Pfeiffer, 1855; sisalensis Morelet, 1849; sowerbyi Pfeiffer, 1847; studeri Pfeiffer, 1847; subpellucidus E.A. Smith, 1877; sulcosus Pfeiffer, 1853; sulphureus Pfeiffer, 1857; tenuilabris Pfeiffer, 1866; translucens Broderip in Broderip and Sowerby I 1832; trimarianus Martens, 1893; trinitarius E.A. Smith, 1986; tropicalis Morelet, 1849; umbraticus Reeve, 1850; varicosus Pfeiffer, 1853; vincentinus Pfeiffer, 1846; virginalis Pfeiffer, 1856; wintlei Finch, 1929.

Kuschelenia (Kuschelenia) Hylton Scott, 1951
confusus Reeve, 1848; culminea d’Orbigny, 1835; edwardsi Morelet, 1863; gayi Pfeiffer, 1857; jussieui Pfeiffer, 1846; lithoica d’Orbigny, 1835; thamnoica d’Orbigny, 1835.

Kuschelenia (Vermiculatus) Breure, 1978
anthisanensis Pfeiffer, 1853; aquilus Reeve, 1848; badius Sowerby I, 1835; bicolor Sowerby I, 1835; caliginosus Reeve, 1849; coagulatus Reeve, 1849; cotopaxiensis Pfeiffer, 1853; filaris Pfeiffer, 1853; mucinus Reeve, 1850; ochraceus Morelet, 1863; peaki Breure, 1978; petit Pfeiffer, 1846; polymorpha d’Orbigny, 1835; purpuratus Reeve, 1849; quechuarum Crawford, 1939; subfasciatus Pfeiffer, 1853.

Naesiotus Albers, 1850 sensu Breure 1979
achatellinus Forbes, 1850; albemarlensis Dall, 1917; apertus Pfeiffer, 1855; catlowiae Pfeiffer, 1853; chamayensis Weyrauch, 1967; chemnitzzioides Forbes, 1850; cinereus Reeve, 1849; crepundia d’Orbigny, 1835; curtus Reibisch, 1892; darwini Pfeiffer, 1846; exornatus Reeve, 1849; fernandezae Weyrauch, 1958; fontainii d’Orbigny, 1838; fourmieri d’Orbigny, 1837; galapaganus Pfeiffer, 1855; irregularis Pfeiffer, 1848; jacobi Sowerby I, 1833; lycodus Dall, 1917; montivaga d’Orbigny, 1835; munsterii d’Orbigny, 1837; nucula Pfeiffer, 1853; nux Broderip, 1832; orbignyi Pfeiffer, 1846; pallidus Reibisch, 1892; paziana d’Orbigny, 1835; perspectivus Pfeiffer, 1846; phelegonis Dall & Ochsner, 1928; quitensis Pfeiffer, 1848; rimatus Pfeiffer, 1847; rivaisi d’Orbigny, 1837; rocaiana d’Orbigny, 1835; rugiferus Sowerby I, 1833; sugillatus Pfeiffer, 1857; terebra Reibisch, 1892; trichoda d’Orbigny,
1835; *unifasciatus* Sowerby I, 1833; *ustulatus* Sowerby I, 1833; *ventrosus* Reibisch, 1892; *verrucosus* Pfeiffer, 1855; *wolffi* Reibisch, 1892.

**Neopetraeus Martens, 1885**

*altoperuvianus* Reeve, 1849; *atahualpa* Dohrn, 1863; *binneyanus* Pfeiffer, 1857; *cora* d’Orbigny, 1835; *decussatus* Reeve, 1849; *excoriatus* Pfeiffer, 1855; *lobbii* Reeve, 1849; *myristicus* Reeve, 1849; *patasensis* Pfeiffer, 1858; *platystomus* Pfeiffer, 1858; *ptychostylus* Pfeiffer, 1858.

**Newboldius Pilsbry, 1932**

crichtoni Broderip, 1836; *illustris* Rolle, 1905.

**Protoglyptus Pilsbry, 1897**

*martinicensis* Pfeiffer, 1846; *pilosus* Guppy, 1871; *sanctaeluciae* E.A. Smith, 1889.

**Rabdopus Albers, 1850**

*juarezi* Pfeiffer, 1866; *liquabilis* Reeve, 1848; *ragsdalei* Pilsbry, 1890; *schiedeanus* Pfeiffer, 1841.

**Scutalus Albers, 1850**

*baroni* (*Helix*) Fulton, 1896; *baroni* (*Bulimulus*) Fulton, 1897; *chiletensis* Weyrauch, 1967; *cretaceus* Pfeiffer, 1855; *grandiventris* Weyrauch, 1960; *latecolumellaris* Preston, 1909; *proteus* Broderip in Broderip and Sowerby I 1832; *versicolor* Broderip in Broderip and Sowerby I 1832.

**Stenostylus Pilsbry, 1898**

*meleagris* Pfeiffer, 1853; *nigrolimbatus* Pfeiffer, 1853.

**Nomina inquirenda**

*clarus* Pfeiffer, 1857; *dukinsfieldi* Melvill, 1900; *gelidus* Reeve, 1849; *nivalis* d’Orbigny, 1835; *pallens* Reeve, 1849; *sowerbyi* Pfeiffer, 1847.

**Alphabetic list of taxa by species name**

**Bulimulus** (*Drymaeus*) *abruptus* Rolle, 1904

http://species-id.net/wiki/Bulimulus_abruptus

Figs 26J–L, L1i

*Bulimulus* (*Drymaeus*) *abruptus* Rolle 1904: 35.

**Type locality.** "Huancabamba in Peru"; see remarks.
Label. "Huancabamba,/ Peru 1904"; in Rolle’s handwriting. Another label in pencil indicating that it came from the Fulton collection.

**Dimensions.** "Alt. 44, diam. max. 24 (..) mm"; figured specimen herein H 42.5, D 21.5 W 6.3.

**Type material.** NHMUK 1947.2.10.1, syntype (ex Rolle).

**Remarks.** Rolle did not state on how many specimens his description was based upon. However, the shell height is close to the original measurements and together with the indication "type" on the label in Rolle’s handwriting, there is no doubt about the status of the specimen. The locality is ambiguous, as there are several places called "Huancabamba" in Peru. There were, however, several other species described from the same locality, among them *Columbinia huancabambensis*, which is regarded by Loosjes and Loosjes-van Bemmel (1984: 33), as occurring in northern Peru. Another species described in the same paper, *Systrophia moellendorffii*, was said by Haas (1955: 367) to have been rediscovered in the Chanchamayo valley [Dept. Pasco]. Given the fact that a third species described by Rolle—*Newboldius illustris*—is known to occur in the same region, makes it likely that Huancabamba in Dept. Pasco is the locality where Rolle’s taxon occurs. This species was hitherto considered as published in 1905 (Richardson 1995: 95); however, on the copy in the Smithsonian Institution Libraries the title page of the issue in which Rolle’s paper appeared is marked "Rec’d Mar. 2/04" (see http://www.biodiversitylibrary.org/item/53294#page/211/mode/1up); p. 48 of this issue mentions "Ausgegeben 22. Februar".

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) abruptus (Rolle, 1904).

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*Bulimus abscissus* Pfeiffer, 1855

http://species-id.net/wiki/Bulimus_abscissus

Figs 26A–C, L1ii

*Bulimus abscissus* Pfeiffer 1855f: 116; Pfeiffer 1859b: 376; Breure 1979: 105 (lectotype designation).

**Type locality.** "Province of Quito, Ecuador".

**Label.** "Ecuador", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 28, diam. 13 mill."); lectotype H 27.8, D 14.3, W 5.5.

**Type material.** NHMUK 1975497, lectotype; 1975498 five paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer did not state on how many specimens his description was based; no variety has been mentioned by him. Two sets of labels are with this lot, which is originating from the Cuming collection; one reading "Ecuador" in the handwriting of one of Cuming’s secretaries. On both labels the taxon name is in Pfeiffer’s handwriting. One of the lots has been labelled "abscissus var." in a later handwriting.

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) abissus (Pfeiffer, 1855).
**Helix abyssorum** d’Orbigny, 1835
http://species-id.net/wiki/Helix_abyssorum
Figs 27A–C, L1iii

*Helix abyssorum* d’Orbigny 1835: 17.
*Bulimus abyssorum*; d’Orbigny 1837 [1834–1847]: 308, pl. 39 figs 7–8 [7 Aug. 1837; text 6 May 1838]; Gray 1854: 21.
*Drymaeus abyssorum*; Pilsbry 1898 [1897–1898]: 192, pl. 37 figs 3–4; Breure 1975b: 1149, pl. 7 fig. 2 (lectotype designation); Cuezzo et al. 2013: 153.
*Drymaeus (Drymaeus) hygrohylaeus*; Miquel 1989b: 77, fig. 1.

**Type locality.** "provincia Lagunacensi (republica Boliviana)"; see Breure 1973: 113.
**Label.** "pampa ruis, Pce Laguna, Bolivia", in d’Orbigny’s handwriting.
**Dimensions.** "Longit. 52 mil., latit. 25 millim."; figured specimen herein H 43.7 D 23.3, W 6.2.

**Type material.** NHMUK 1854.12.4.125, five paralectotypes (d’Orbigny coll.).

**Remarks.** d’Orbigny did not state on how many specimens his description was based. The types series appears to have been split between the MNHN and NHMUK collections. None of the specimens in London match the original figures, while one of the specimens in Paris is close to the published dimensions. The current systematic position follows the synonymisation of this taxon with *Helix hygrohyla* d’Orbigny, 1835, by Miquel (1989b: 77); this author, however, overlooked that *Helix abyssorum* has page priority. Cuezzo et al. (2013) disaged with this synonymisation.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) abyssorum* (d’Orbigny, 1835).

**Bulimus acalles** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_acalles
Figs 6A, L1iv

*Bulimus acalles* Pfeiffer 1853b [7 Dec.]: 258; Pfeiffer 1853d [31 Dec.]: 410; Pfeiffer 1853 [31 Dec.] in Küster and Pfeiffer 1840–1865: 84, pl. 30 figs 27–28.
*Bulimulus (Lissoacme) acalles*; Pilsbry 1896 [1895–1896]: 160, pl. 50 figs 53–54.

**Type locality.** "in Andibus Peruvianis".
**Label.** "Peru". M.C. label style I.
**Dimensions.** "Long. 10, diam. 6 mill."; figured specimen herein H 13.2, D 7.7, W 5.3.
**Type material.** NHMUK 20100651, two possible syntypes (Cuming coll.).
**Remarks.** The specimens found are slightly larger than the original measurements; the largest has shell height 13.2 mm. The material—not accompanied by a taxon label in Pfeiffer’s handwriting—is from the Cuming collection, on which Pfeiffer based the
description for this taxon; he did not state on how many specimens his description was based. The specimens are treated as possible syntypes.

**Current systematic position.** Bulimulidae, *Bostryx acalles* (Pfeiffer, 1853).

*Bulimus acervatus* Pfeiffer, 1857

http://species-id.net/wiki/Bulimus_acervatus

Figs 50A–C, L1v

*Bulimus acervatus* Pfeiffer 1857a: 157.

*Drymaeus (Drymaeus) acervatus*; Breure and Eskens 1981: 4, pl. 8 fig. 6 (lectotype designation).

**Type locality.** ”Brasilia. (Strain”).

**Label.** ”Brazils. M' Strain”; taxon name in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 41, diam. 21 mill.”; lectotype H 41.5, D 24.7, W 6.5.

**Type material.** NHMUK 1975461, lectotype (Cuming coll.).

**Remarks.** The current systematic position follows Richardson (1995: 96).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) acervatus* (Pfeiffer, 1857).

*Bulimus achatellinus* Forbes, 1850

http://species-id.net/wiki/Bulimus_achatellinus

Figs 14J, L2i

*Bulimus achatellinus* Forbes 1850: 56, pl. 9 figs 5a–b; Pfeiffer 1853 in Küster and Pfeiffer 1840–1865: 93, pl. 31 figs 21-23.

*Bulimulus achatellinus*; Pilsbry 1897 [1897–1898]: 99, pl. 16 figs 28–29.

*Naesiotus achatellinus*; Breure and Borrero 2008: 10.

**Type locality.** [Ecuador, Galápagos, Isla San Cristóbal] ”Chatham Island, Gelepagos”.

**Label.** ”Chatham Is Galapagos”, added on a different label with E.A. Smith’s handwriting. The taxon name is on a second label ”Bulimus achatenellinus [sic] Forbes, figured specimen, Proc Zool Soc (...) fig. 5”. M.C. label style III.

**Dimensions.** ”Long. 19, diam. 10 mill.”; holotype H 19, D 9.52, W 8.7.

**Type material.** NHMUK 1855.4.5.25, holotype (Cuming coll.).

**Remarks.** Forbes writes ”This shell (...)”, therefore the single specimen found, together with the indication on the label that it was figured, makes it justifiable to consider it a holotype.

**Current systematic position.** Bulimulidae, *Naesiotus achatellinus* (Forbes, 1850).
**Drymaeus acuminatus** da Costa, 1906
http://species-id.net/wiki/Drymaeus_acuminatus
Figs 45A–C, L2ii

*Drymaeus acuminatus* da Costa 1906a: 8, pl. 1 fig. 4; Simone 2006: 135, fig. 440. *Drymaeus (Drymaeus) acuminatus*; Breure 1979: 106.

**Type locality.** "Matto Grosso, Brazil".

**Label.** "Matto Grosso / Brazil"; in da Costa’s handwriting.

**Dimensions.** "Long. 33, diam. 14 mm."; holotype H 33.4, D 14.1, W 7.4.

**Type material.** NHMUK 1907.11.21.10, holotype (da Costa coll.).

**Remarks.** da Costa wrote "A rather peculiar shell, unlike any known to the writer, who obtained it at the dispersal of the collection of the late Mr. Miers"; given the singular form, it may be assumed that da Costa only had one specimen at hand.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) acuminatus* da Costa, 1906.

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**Bulimus (Drymaeus) aequatorianus** E.A. Smith, 1877
http://species-id.net/wiki/Bulimus_aequatorianus
Figs 28E–G, L2iii

*Bulimus (Drymaeus) aequatorianus* E.A. Smith 1877: 363, pl. 30 fig. 7. *Drymaeus (Drymaeus) aequatorianus*; Breure 1979: 106 (lectotype designation); Breure and Eskens 1981: 4; Breure and Borrero 2008: 19.

**Type locality.** "Ecuador".

**Label.** "Ecuador". M.C. label style III.

**Dimensions.** "Long. 26 1/2 mill., diam. 11"; lectotype H 26.6, D 13.4, W 6.1.

**Type material.** NHMUK 1975137, lectotype. NHMUK 1975138, three paralecotypes (Cuming coll.).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) aequatorianus* (E.A. Smith, 1877).

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**Bulimus aequatorius** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_aequatorius
Figs 69A–B, L2v–vi

*Bulimus aequatorius* Pfeiffer 1853d: 420; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 101, pl. 13 figs 1–4; Pfeiffer 1854c: 155; Breure 1979: 85 (lectotype designation). *Bulimulus aequatorius*; Pilsbry 1897 [1897–1898]: 30, pl. 7 figs 1–5. *Scutalus (Vermiculatus) aequatorius*; Breure and Borrero 2008: 18.
Type locality. "in republica Aequatorius, in monte Schinchulagua Equador".

Label. "Woods on the / mountain / Schinchulaqua / Equador", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 34, diam. 17 mill.". Figured specimen H 37.8, D 18.2, W 6.5.

Type material. NHMUK 1975377, lectotype; 1975378, two paralectotypes (Cuming coll.).

Remarks. Pfeiffer did no indicate on how many specimens his description was based. He described two varieties from "Chimborazo (Bourcier)"). The second label in the lot indicates "var." and "Chimborazo, Equador / Mons. Bourcier / Consul General". The systematic position at the species level follows Richardson (1995: 345).

Current systematic position. Bulimulidae, *Kuschelenia (Vermiculatus) aequatorius* (Pfeiffer, 1853) (comb. n.).

*Bulimus aestivus* Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_aestivus
Figs 19A–B, L2iv

*Bulimus aestivus* Pfeiffer 1857c: 331.

*Drymaeus (Drymaeus) aestivus*; Breure 1979: 106.

Type locality. "Meobamba, Peru (Mr. Gueinzius)".

Label. "Ecuador"; taxon label in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. "Long. 17, diam. 7 1/3 mill."; syntype H 16.9 D 7.9, W 6.4.

Type material. NHMUK 1975462, syntype (Cuming coll.).

Remarks. Pfeiffer described this taxon from Cuming’s collection, but did not state on how many specimens his description was based. The specimen found corresponds to the shell height given by Pfeiffer. This is a case where the locality information provided by Cuming to the describer (viz. Pfeiffer) has been lost; the label "Ecuador" on the front-side of the wooden tablet has been added in a later handwriting and may be erroneous.

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) aestivus* (Pfeiffer, 1857) (comb.n.).

*Bulinus affinis* Broderip in Broderip and Sowerby I 1832
http://species-id.net/wiki/Bulinus_affinis
Figs 8A, L3i–ii

*Bulinus affinis* Broderip in Broderip and Sowerby I 1832b: 106; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 30.

*Bulinus affinis*; Reeve 1848 [1848–1850]: pl. 23 fig. 154.

Type locality. "in Peruvia (Mexillones, desert of Atacama)".
**Label.** "Peru"; taxon name in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "long 1, lat. 1/2 poll. [H 25.3, D 12.7 mm]"; figured specimen herein H 27.5, D 12.6, W 8.3.

**Type material.** NHMUK 20100610, five possible syntypes (Cuming coll.).

**Remarks.** Broderip described this taxon from the Cuming collection, but did not indicate on how many specimens his description was based. These specimens are herein regarded as possible syntypes; one is corresponding to Reeve’s figure. The presence of a label in Pfeiffer’s handwriting together with specimens apparently seen by Reeve as evidenced by the figured specimen, corroborates the assumption (Breure and Ablett 2011: 5) that—at least in some cases—material from the Cuming collection was either returned after having been sent to Pfeiffer or Pfeiffer made the identification during a visit to London.

**Current systematic position.** Bulimulidae, *Bostryx affinis* (Broderip in Broderip and Sowerby I 1832).

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*B. (Peroneus) agueroi* Weyrauch, 1960
http://species-id.net/wiki/Bostryx_agueroi
Fig. 4E

*B. (Peroneus) agueroi* Weyrauch 1960b: 126, pl. 12 figs 39–41; Neubert and Janssen 2004: 198, pl. 9 fig. 96.  
*B. agueroi* Breure 1979: 51.

**Type locality.** "Mittel-Peru, Fundo Yacca, auf der rechten Seite des Río Cañete, an der Autostraße von Cañete nach Yauyos, 2300 m".

**Label.** "WW 1462-A/ 2 Paratypes" "C-Peru: Yacca, 2300m, Río Canete, leg. W. Weyrauch"; printed label.

**Dimensions.** "H. 22,8 D. 8,5"; figured specimen herein H 21.1, D 7.4, W 7.3.

**Type material.** NHMUK 1975333, two paratypes (ex Weyrauch).

**Current systematic position.** Bulimulidae, *Bostryx agueroi* Weyrauch, 1960.

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*B. aileenae* Breure, 1978
http://species-id.net/wiki/Bostryx_aileenae
Fig. 5A

*B. aileenae* Breure 1978: 49, pl. 1 fig. 6; Breure 1979: 51.

**Type locality.** "Peru, Dept. Lima, Río Cañete valley, 1 km above Puente Auco, 2070 m".

**Label.** "Peru, Dept. Lima, Río Cañete valley, 1 km above Puente Auco, 2070 m. Sta. 79".

**Dimensions.** "shell height 14.9 mm, diameter 7.6 mm"; figured specimen herein H 13.7, D 7.0, W 5.9.
Type material. NHMUK 1975229, three paratypes (Breure leg.).

Current systematic position. Bulimulidae, Bostryx aileenae Breure, 1978.

Drymaeus alabastrinus da Costa, 1906
http://species-id.net/wiki/Drymaeus_alabastrinus
Figs 43J–L, L3iii

Drymaeus alabastrinus da Costa 1906b: 98, pl. 11 fig. 4.
Drymaeus (Drymaeus) alabastrinus; Breure 1979: 106.

Type locality. ”Honda, Colombia”.

Label. ”Honda, Colombia”; in da Costa’s handwriting.

Dimensions. ”Long. 33, diam. 15 mill.”; figured specimen herein H 33.0, D 15.3, W 7.6.

Type material. NHMUK 1907.11.21.16, holotype (da Costa coll.).

Remarks. da Costa did not clearly state on how many specimens his description was based. However, since he mentioned ”a shell” it may be safely assumed that he had only one specimen at hand.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) alabastrinus da Costa, 1906.

Bulimulus (Naesiotus) albemarlensis Dall, 1917
http://species-id.net/wiki/Bulimulus_albemarlensis
Figs 13F, L3iv

Bulimulus (Naesiotus) albemarlensis Dall 1917b: 377.
Naesiotus albemarlensis; Breure 1979: 67; Breure and Borrero 2008: 10.

Type locality. [Ecuador, Galápagos, Isla Isabela] ”near Villamil, at 2300 to 3300 feet elevation”.

Label. ”Galapagos Isl. / Albemarle Isl.”.

Dimensions. ”Length of shell 15; diameter 9 mm”; figured specimen herein H 14.7, D 10.0, W 5.8.

Type material. NHMUK 1937.6.18.13-16, three possible paratypes, California Academy of Sciences Expedition 1905–1906 leg. (ex Schlesch).

Remarks. The type status of these specimens is not fully resolved and is here viewed with much caution, as it remains unclear how Schlesch obtained specimens from the original series.

Current systematic position. Bulimulidae, Naesiotus albemarlensis (Dall, 1917).
Bulinus albicans Broderip in Broderip and Sowerby I 1832
http://species-id.net/wiki/Bulinus_albicans
Figs 7I, L3v–vi

Bulinus albicans Broderip in Broderip and Sowerby I 1832b: 105; Sowerby I 1833 [Sowerby I and II 1832–1841]: figs 22–22*.
Bulinus albicans; Reeve 1848 [1848–1850]: pl. 22 fig. 141.

Type locality. "Copiapo, Chili".
Label. "Chili"; taxon name in Pfeiffer’s handwriting. M.C. label style I.
Dimensions. "long. 9/12, lat. 7/12 poll. [H 19, D 14.8 mm]"; figured specimen herein H 22.1, D 13.1, W 5.7.
Type material. NHMUK 20100611, five possible syntypes (Cuming coll.).
Remarks. Broderip described this taxon from the Cuming collection, but did not indicate on how many specimens his description was based. These specimens are herein regarded as possible syntypes; one is corresponding to Reeve’s figure. This is another case of material that has been studied by both Reeve and Pfeiffer. See also af-finis Broderip, 1832.

Current systematic position. Bulimulidae, Bostryx albicans (Broderip in Broderip and Sowerby I 1832).

Bulimus albicolor Morelet, 1863
http://species-id.net/wiki/Bulimus_albicolor
Figs 4F, L3vii

Bulimus albicolor Morelet 1863: 199, pl. 11 fig. 9.
Bulimulus (Peronaeus) albicolor; Pilsbry 1896 [1895–1896]: 148, pl. 46 figs 49–50.
Bostryx albicolor; Breure 1979: 51.

Type locality. [Peru, Dept. Ayacucho] "Huanta et de la vallée de l’Apurimac".
Label. "Pérou / Apurimac, Huanta”; in Morelet’s handwriting.
Dimensions. "Longit 28, diam. 9 mm”; figured specimen herein H 28.2, D 10.92, W 8.3.
Type material. NHMUK 1893.2.4.169–170, two syntypes (Morelet coll.).
Remarks. Further syntype material is present in the MHNG and RBINS collections. See also Breure (2011). The current systematic position follows Richardson (1995: 36).

Current systematic position. Bulimulidae, Bostryx orophilus (Morelet, 1860).
**Bulimus albolabiatus** E.A. Smith, 1877

http://species-id.net/wiki/Bulimus_albolabiatus
Figs 29G–I, L3viii

*Bulimus* (*Drymaeus*) *albolabiatus* E.A. Smith 1877: 363, pl. 39 fig. 4.
*Drymaeus albolabiatus*; Pilsbry 1898 [1897–1898]: 201, pl. 36 fig. 37.
*Drymaeus* (*Drymaeus*) *albolabiatus*; Breure 1979: 106; Breure and Borrero 2008:

**Type locality.** "Malacatos, South Ecuador" [Prov. Loja].

**Label.** "Malacatos, S. Ecuador"; both locality and taxon name in Smith’s handwriting.
**Dimensions.** Not given; figured specimen herein H 34.0, D 14.2, W 6.3.
**Type material.** NHMUK 1877.3.28.3, holotype.
**Remarks.** According to the label, a paratype has been "smashed [in] 1896". The current systematic position follows Richardson (1995: 96).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) *albolabiatus* (E.A. Smith, 1877).

**Bulinus albus** Sowerby I, 1833

http://species-id.net/wiki/Bulinus_albus
Figs 7J, L3ix–x

*Bulinus albus* Broderip [sic]; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 51 [19 July]; Sowerby I 1833b: 73 [20 Sept.] (see remarks).

**Type locality.** [Chile] "Copiapo”.
**Label.** "Chili”. M.C. label style I.
**Dimensions.** "long. 0.8, lat. 0.5 poll. [H 20.3, D 12.7 mm]"; figured specimen herein H 15.0, D 10.7, W 4.7.
**Type material.** NHMUK 1842.5.10.149–151, three possible syntypes (Cuming coll.).
**Remarks.** The name was introduced in Sowerby I 1833 [Sowerby I and II 1832–1841] as "B. albus Brod.”. However, as can be seen in Sowerby I (1833 in Sowerby I and II 1832–1841: 73), the authorship should be credited to G.B. Sowerby I ("G.B.S."). It is not known if this species was described from the Cuming collection, but this cannot be excluded a priori (see also Breure and Ablett 2011: 3). One specimen is closely resembling Sowerby’s figure. The material is herein considered as possible syntypes. The registration numbers suggest that six specimens were originally present; only three of these could be found.

As mentioned before, the publication dates of Sowerby’s publications are according to Coan et al. (2013a) and Duncan (1937). Interestingly, d’Orbigny 1838 [1834–1847]: 280 mentioned this taxon as "Bulimus albus Broderip”, with reference to Sowerby I (1833 in Sowerby I and II 1832–1841), and said it had publication date 11 June 1833 [contra Duncan 1937: 78, who reports 20 September 1833]. At the same time he
noticed that Duclos had published *Bulimus olorinus* on 15 June 1833 (Duclos 1833: pl. 24). The text pertaining to this plate describes this taxon from "Chili", based on a specimen from Duclos’ collection and collected by Gay. He signed the text with "15 juin 1833"; however, it seems likely from the context that this was the date Duclos finished his description and not the date the text appeared in print. Without additional bibliographical research it seems premature to give priority to Duclos’ taxon. The current systematic position follows Richardson (1995: 15).

**Current systematic position.** Bulimulidae, *Bostryx albus* (Sowerby I, 1833).

*Bulimus altoperuvianus* Reeve, 1849  
http://species-id.net/wiki/Bulimus_altoperuvianus  
Figs 56A–C, L4i

*Bulimus altoperuvianus* Reeve 1849 [1848–1850]: pl. 72 figs 521a–b; Breure 1979: 100.  
*Neopetraeus altoperuvianus*; Pilsbry 1898 [1897–1898]: 173, pl. 32 figs 30–31; Breure 1978: 209 (lectotype designation).

**Type locality.** [Peru, Dept. Amazonas] "Chachapoyas, Alto-Peru".

**Label.** "Province of Caxamarca [Dept. Cajamarca], Peru". M.C. label style IV, V.

**Dimensions.** Not given; figured specimen herein H 46.5, D 25.4, W 7.2.

**Type material.** NHMUK 1975437, lectotype; 1975438, one paralectotype (Cuming coll.).

**Remarks.** The lectotype corresponds to Reeve’s fig. 521a, while fig. 521b corresponds to the paralectotype.

**Current systematic position.** Bulimulidae, *Neopetraeus altoperuvianus* (Reeve, 1849).

*Bulimus amandus* Pfeiffer, 1855  
http://species-id.net/wiki/Bulimus_amandus  
Figs 19C, L4ii

*Bulimus amandus* Pfeiffer 1855d: 96, pl. 31 fig. 4; Breure 1979: 117 (lectotype designation).

*Drymaeus (Mesembrinus) amandus*; Breure and Eskens 1981: 50.

**Type locality.** "Venezuela".

**Label.** No locality given. No taxon label in Pfeiffer’s handwriting.

**Dimensions.** "Long. 30, diam. 11 1/2 mill."); lectotype H 29, D 13.1, W 6.3.

**Type material.** NHMUK 1997457, lectotype (Cuming coll.).

**Remarks.** The lectotype corresponds to Pfeiffer’s figure, although the colours have faded. The current systematic position corresponds to Richardson (1995: 97).

**Current systematic position.** *Drymaeus (Mesembrinus) amandus* (Pfeiffer, 1855).
Bulimus ambustus Reeve, 1849
http://species-id.net/wiki/Bulimus_ambustus
Figs 40J–L, L4iii

Bulimus ambustus Reeve 1849 [1848–1850]: pl. 74 fig. 535.
Drymaeus ambustus; Pilsbry 1898 [1897–1898]: 264, pl. 46 figs 66–67.
Drymaeus (Drymaeus) ambustus; Breure and Eskens 1981: 5.

Type locality. "—?".

Label. [Ecuador] "Between Jacunga [Prov. Cotapaxi, Latacunga] and / [Prov. Tungurahua] Ambato", taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

Dimensions. Not given; figured specimen herein H 29.0, D 13.1, W 6.3.

Type material. NHMUK 1975441/1–3, lectotype and two paralectotypes, Bourcier leg. (Cuming coll.).

Remarks. Although the label given is more precise than the locality given in Reeve’s publication and the specimens bear a label in Pfeiffer’s handwriting, one of the shells does correspond to the specimen figured by Reeve. The current systematic position follows Richardson (1995: 97).

Current systematic position. Drymaeus (Drymaeus) ambustus (Reeve, 1849).

Bulimus andicola Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_andicola
Figs 23A, L4iv

Bulimus andicola Pfeiffer 1847: 115; Reeve 1848 [1848–1850]: pl. 55 fig. 364; Breure 1979: 117 (lectotype designation).

Bulimulus (Lissoacme) andicola; Pilsbry 1896 [1895–1896]: 166, pl. 50 fig. 46.

Type locality. ”Columbian Andes”.

Label. ”Andes of Columbia”, taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

Dimensions. ”Long. 24, diam. 11 mill.”; figured specimen herein H 24.1, D 10.7, W 7.1.

Type material. NHMUK 1975315, lectotype; NHMUK 1975316, two paralectotypes (Cuming coll.).

Current systematic position. Drymaeus (Mesembrinus) andicola (Pfeiffer, 1847).

Bulimus andoicus Morelet, 1863
http://species-id.net/wiki/Bulimus_andoicus
Figs 10G, L4v

Bulimus andoicus Morelet 1863: 198, pl. 11 fig. 13; Breure 1979: 50.
Bulimulus (Lissoacme) andoicus; Pilsbry 1896 [1895–1896]: 147, pl. 46 figs 42–44.
Bostryx andoicus; Breure 1978: 50 (lectotype designation).

**Type locality.** [Peru] ”vallées (..) d’Ayacucho”.
**Label.** ”Pérou, Pomacoche”, in Morelet’s handwriting.
**Dimensions.** ”Long. 26–30; diam. 9–10 mill.”; figured specimen herein H 29.5, D 12.12, W 7+.
**Type material.** NHMUK 1893.2.4.171, lectotype (Morelet coll.).
**Remarks.** The type locality was broadly defined by Morelet and probably also covers adjacent parts of Dept. Apurimac. There are two places called ”Pomacocha” in the valley of Río Apurimac, one in Dept. Ayacucho and the other in Dept. Apurimac. Given the range in dimensions given by Morelet, it is clear that he had a larger type series at hand. The top of the lectotype is slightly damaged. There are additional lots in the MHNG collection, as described by Breure 1978. The current systematic position corresponds to Richardson (1995: 16).
**Current systematic position.** Bulimulidae, Bostryx andoicus (Morelet, 1863).

Drymaeus angustus da Costa, 1906
http://species-id.net/wiki/Drymaeus_angustus
Figs 37L–N, L4vi

Drymaeus angustus da Costa 1906a: 9, pl. 1 figs 7–8; Linares and Vera 2012: 181.
Drymaeus (Drymaeus) angusta [sic]; Breure 1979: 106.

**Type locality.** [Colombia] Bogotá.
**Label.** ”Bogota”; in da Costa’s handwriting.
**Dimensions.** ”Long. 31.5, diam. 10”; figured specimen herein H 31.5, D 10.4, W 6.5.
**Type material.** NHMUK 1907.11.21.14, holotype (da Costa coll.).
**Remarks.** da Costa wrote ”this unique specimen”, which makes the specimen found the holotype. The taxon name on the label reads ”angusta”, but the name ”angustus” was published. The top of the holotype is slightly damaged.
**Current systematic position.** Bulimulidae, Drymaeus (Drymaeus) angustus angustus da Costa, 1906.

Bulimus anthisanensis Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_anthisanensis
Figs 69E–F, 69I, L5i

Bulimus anthisanensis Pfeiffer 1853d: 406; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 104, pl. 33 figs 20–21; Breure 1979: 85.
Bulimus anthisanensis; Pilsbry 1897 [1897–1898]: 32, pl. 4 figs 41–42.
Scutalus (Vermiculatus) anthisanensis; Breure 1978: 170, pl. 8 fig. 8 (lectotype designation); Breure and Borrero 2008: 18.
Type locality. [Ecuador, Prov. Napo] "monte Anthisana (44000’ [sic]) reipublicae Aequatoris (Bourcier)".

Label. "the Anthisana / 14000 feet high / Mons’ Bourcier / Consul General"; taxon name in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 40, diam. 17 mill. (Mus. Cuming)"; figured specimen herein H 40.2, D 19.5, W 6.6.

Type material. NHMUK 1975372, lectotype; 1975373, three paralectotypes (Cuming coll.).

Remarks. The published altitude at which the type material was collected is clearly in error, as evidenced by the label information.

Current systematic position. Bulimulidae, Kuschelenia (Vermiculatus) anthisanensis (Pfeiffer, 1853) (comb. n.).

**Bulimus antioquensis** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_antioquensis
Figs 31D–F, L5ii

*Bulimus antioquensis* Pfeiffer 1855b: 291; Pfeiffer 1859b: 394; Breure 1979: 106 (lectotype designation).

*Drymaeus (Drymaeus) antioquensis*; Breure and Eskens 1981: 6.

*Drymaeus antioquensis*; Linares and Vera 2012: 181.

Type locality. [Colombia] "Province of Antioquia, New Granada. (Schlim)."

Label. "Province of Antioquia / Mons’ Schlim”; taxon name in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. "Long. 30, diam. 13 mill."); figured specimen herein H 29.6, D 16.4, W 6.1.

Type material. NHMUK 1975450, lectotype, Schlim leg. (Cuming coll.).

Remarks. This taxon is now considered a junior subjective synonym of *Bulimus baranguillanus* Pfeiffer, 1853 (syn. n.). The current systematic position is based on a revision of Colombian *Drymaeus* species (Breure and Borrero, unpublished data).

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) baranguillanus* (Pfeiffer, 1853).

**Bulimus apertus** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_apertus
Figs 15D, L5iii

*Bulimus apertus* Pfeiffer in Dunker et al. 1855: 107.

*Naesiotus apertus* Breure 1979: 68 (lectotype designation).

Type locality. "?".
Label. "Andes of Peru"; taxon name in Pfeiffer’s handwriting. M.C. label style I.
Dimensions. "Long. 19, diam. 10 mill."; figured specimen herein H 18.1 D 9.23 W 6.5.
Type material. NHMUK 1975317, lectotype (Cuming coll.).
Remarks. This is the first time a locality for this taxon is published; *Bulimus apertus* is now considered a junior subjective synonym of *B. orbignyi* Pfeiffer, 1846 (syn. n.), whose type locality is "Bolivia" (see under *Bulimus orbignyi* Pfeiffer). Any specific Peruvian locality for this taxon may likely be expected in one of the southern departments, close to the Bolivian border.
Current systematic position. Bulimulidae, *Naesiotus orbignyi* (Pfeiffer, 1846).

*Bulimus apicepunctata* Preston, 1914
http://species-id.net/wiki/Bulimus_apicepunctata
Figs 23J–K, L5iv

*Bulimus apicepunctata* Preston 1914: 523; Breure 1979: 117.
Drymaeus (*Mesembrinus*) *apicepunctata*; Breure and Eskens 1981: 52.

Type locality. "Santa Rita, E. Peru".
Label. "Santa Rita, E. Peru".
Dimensions. "Alt. 17.5, diam. maj. 9, diam. min. 7 mm"; figured specimen herein H 17.5, D 8.3, W 6.6.
Type material. NHMUK 1915.1.6.23, holotype (ex Preston).
Remarks. Preston did not state on how many specimens his description was based; the reference of Breure (1979) "HT 1915.1.6.23" has to be interpreted as lectotype designation under Art. 74.6 ICZN. This is the first time the type has been figured.
Current systematic position. Bulimulidae, *Drymaeus* (*Mesembrinus*) *apicepunctata* (Preston, 1914).

*Bulimus apiculatus* J.E. Gray, 1834
http://species-id.net/wiki/Bulimus_apiculatus
Figs 23B, L5v

*Bulimus apiculatus* J.E. Gray 1834: 66; Breure 1979: 117.

Type locality. Not given.
Label. No locality given.
Dimensions. "Axis 10, diam. 4 1/4 lin." [H 21.1, D 9.0 mm]; figured specimen herein H 20.2, D 9.5, W 6.2.
Type material. NHMUK 1982297, holotype (see remarks).
Remarks. Gray (1834) refers to the type material as "This shell...", which may imply that he had only one specimen at hand. It is a juvenile shell, with the lip damaged.
The taxon was considered to be a junior subjective synonym of *Helix elongata* Röding, 1789 by Pilsbry (1899: 25), with which we concur.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) elongatus* (Röding, 1789).

*Helix apodemeta* d’Orbigny, 1835
http://species-id.net/wiki/Helix_apodemeta
Figs 9A–B, L5vi

*Helix apodemeta* d’Orbigny 1835: 10.  
*Bulimus apodemetes* d’Orbigny 1837 [1834–1847]: 279, pl. 30 figs 5–8 [3 April 1837; text 23 April 1838]; Gray 1854: 16.  
*Bulimus* (*Lissoacme*) *apodemetus*; Pilsbry 1896 [1895–1896]: 187, pl. 51 fig. 1–3.  
*Bulimulus* (*Bulimulus*) *apodemetus*; Breure 1975b: 1145.

**Type locality.** "republica Argentina; republica Boliviana”; see Breure 1973: 114.  
**Label.** "Monte grande, chiquitos (Bolivia)” [.178, .181]; "Pampa ruis (laguna) Bolivia” [.179]; "Vilna (Valle grande) Bolivia” [.180]; "Sª Lorenzo Parana Rep. argentina” [.182], all in in d’Orbigny’s handwriting.

**Dimensions.** "Assez variables; les plus long’s ont, de longueur, 28 millimètres sur 18 de largeur, tandis que les plus courts offrent 23 millimètres de longueur, sur 12 de largeur”;

largest specimen H 28.3, shortest H 22.7, figured specimen H 23.0, D 12.6, W 6.2 [.182].

**Type material.** NHMUK 1854.12.4.178–182, five lots with resp. eight, seven, seven, three and three syntypes (d’Orbigny coll.).

**Remarks.** d’Orbigny (1835) did not state on how many specimens his description was based. In d’Orbigny (1838 [1834–1847]: 280) the localities were specified as "sur les coteaux du Parna, province d’Entre-rios, près de Feliciano (...) près de San-Lorenzo, province de Santa-Fe. (...) la république de Bolivia (...) des provinces de Valle grande et de la Laguna (...) (...) des plaines de Santa-Cruz de la Sierra, (...) la province de Chiquitos”; see also Breure 1973. The shell of the largest specimen among the lots, in .178, is broken on the ventral side. The protoconch of the type material proves to be smooth and the taxon is now being transferred from the genus *Bulimulus* Leach, 1814 to *Bostryx* Troschel, 1847 sensu Breure 1979 (but see Breure 2012b).

**Current systematic position.** Bulimulidae, *Bostryx apodemetus* (d’Orbigny, 1835) (**comb. n.**).

*Bulimus aquilus* Reeve, 1848
http://species-id.net/wiki/Bulimus_aquilus
Figs 70A–B, 70K, L6i

*Bulimus aquilus* Reeve 1848 [1848–1850]: pl. 22 fig. 138; Breure 1979: 85.
Bulimulus aquilus; Pilsbry 1897 [1897–1898]: 17, pl. 5 figs 72–73.
Scutalus (Vermiculatus) aquilus (Reeve); Breure 1978: 170 (lectotype designation).

**Type locality.** "Peru, Tacna".
- **Label.** "Peru". M.C. label style IV, V.
- **Dimensions.** Not given; figured specimen herein H 27.1, D 14.6, W 5.8.
- **Type material.** NHMUK 1975376, lectotype (Cuming coll.).
- **Remarks.** The current systematic position at the species level follows Richardson (1995: 347).
- **Current systematic position.** Bulimulidae, Kuschelenia (Vermiculatus) aquilus (Reeve, 1848) (comb. n.).

Bulimus arcuatostriatus Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_arcuatostriatus
Figs 41A–C, L6iii

Bulimus arcuatostriatus Pfeiffer 1855d: 95; 1859: 394; Breure 1979: 106 (lectotype designation).
Drymaeus (Drymaeus) arcuatostriatus; Breure and Eskens 1981: 6.

**Type locality.** "Peru".
- **Label.** "Peru"; taxon label in Pfeiffer’s handwriting. M.C. label style I.
- **Dimensions.** "Long. 30, lat. 13 mill."; figured specimen herein H 27.6, D 15.6, W 6.5.
- **Type material.** NHMUK 1975455, lectotype (Cuming coll.).
- **Remarks.** The basal lip of the lectotype is damaged. The current systematic position follows Richardson (1995: 99).
- **Current systematic position.** Bulimulidae, Drymaeus (Drymaeus) arcuatostriatus (Pfeiffer, 1855).

Bulimus atacamensis Pfeiffer, 1856
http://species-id.net/wiki/Bulimus_atacamensis
Figs 2A–B, L6ii

Bulimus atacamensis Pfeiffer 1856c: 207; Pfeiffer 1859b: 486; Breure 1979: 51.
Bostryx atacamensis; Breure 1978: 53 (lectotype designation).

**Type locality.** "Paposo in deserto Atacamensi reipublicae Chilensis. (R.A. Philippi)".
- **Label.** "Desert of Atacama, / Chile // Philippi has sent it”, "Bolivia” [in a later handwriting]; taxon label in Pfeiffer’s handwriting.
- **Dimensions.** "Long. 19, lat. 5 1/2 mill."; figured specimen herein H 19.0, D 5.9, W 10.2.
Type material. NHMUK 1975312, lectotype; NHMUK 1975128, two paralectotypes (Cuming coll.).

Remarks. The current systematic position follows Richardson (1995: 17).

Current systematic position. Bulimulidae, Bostryx atacamensis (Pfeiffer, 1856).

Bulimulus atahualpa Dohrn, 1863
http://species-id.net/wiki/Bulimulus_atahualpa
Figs 56D–F, L6iv–v

Bulimulus atahualpa Dohrn 1863: 153.
Neopetraeus atahualpa; Breure 1979: 100.

Type locality. Not given.

Label. “Huallaga”, “Province of / Patas, Andes of Peru” [see remarks]. M.C. label style IV.

Dimensions. “Long 43, lat 21 (...) mill.” (largest specimen); figured specimen herein H 38.5, D 26.4, W 6+.

Type material. NHMUK 1975436, three possible syntypes (Cuming coll.).

Remarks. Dohrn (1863) gives the measurements of five specimens, but it is unclear how many specimens his description was actually based upon. The specimens in NHMUK are accompanied by two sets of labels. One is in Dohrn’s handwriting (teste S.P. Dance, 1958) and has “Huallaga” as the locality. The other label set originates from Farris and has “Province of Patas, Andes of Peru”; the taxon name is in Pfeiffer’s handwriting, who identified it as Bulimus tessellatus Shuttleworth, 1852. The latter label may have been added to the material in a later stage. Due to the fact the other label has original handwriting, the specimens are considered possible syntypes. The current systematic position follows Richardson (1995: 239).

Current systematic position. Bulimulidae, Neopetraeus atahualpa (Dohrn, 1863).

Bulimus attenuatus Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_attenuatus
Figs 17F–H, L6vi

Bulimus attenuatus Pfeiffer 1853b: 256; Pfeiffer 1853d: 336; Pfeiffer 1853 in Küster and Pfeiffer 1840–1865: 83, pl. 30 figs 9–10; Breure 1979: 106 (lectotype designation).

Drymaeus (Mesembrinus) attenuatus attenuatus; Thompson 2011: 114.

Type locality. [Mexico] “Vera Cruz”.

Label. “Vera Cruz”; taxon name in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. “Long. 34, lat. 13 mill.”, figured specimen herein H 34.0, D 14.4, W 6.1.
Type material. NHMUK 1975458, lectotype; NHMUK 1975459, two paralec-
totypes (Cuming coll.).

Remarks. The current systematic position follows Thompson (2011).

Current systematic position. Bulimulidae, *Drymaeus* (*Mesembrinus*) *attenuatus*
(Pfeiffer, 1853).

*Bulimus aureolus* Guppy, 1866
http://species-id.net/wiki/Bulimus_aureolus
Figs 21A, L7i

*Bulimus aureolus* Guppy 1866: 49.
*Drymaeus* (*Mesembrinus*) *aureolus*; Breure 1979: 117.

Type locality. [Trinidad].

Label. "Trinidad"; in Guppy's handwriting.

Dimensions. "Height 0.6 inch, breadth 0.3 inch" [H 15.2, D 7.6 mm]; figured
specimen H 23.2, D 10.71, W 6.2.

Type material. NHMUK 1866.1.3.8, two syntypes (ex Guppy).

Remarks. Guppy described this taxon from immature specimens: "The specimens
from which the species was described by me in the Annals and Magazine of Natural
History (1866) were young and imperfect." (Guppy 1871: 307). There is another shell
(NHMUK 1875.2.8.1), also presented by Guppy, which could be from the series he
is referring to in the second paper; it is therefore not considered a syntype since this
specimen was later collected than the type series, but unfortunately all three specimens
have been mixed and there is no way of separating the two lots.

Current systematic position. Bulimulidae, *Drymaeus* (*Mesembrinus*) *aureolus*
(Guppy, 1866).

*Bulimus aurifluus* Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_aurifluus
Figs 25A, L6vii

*Bulimus aurifluus* Pfeiffer 1857b: 319, pl. 35 fig. 10; Pfeiffer 1859b: 400.

Type locality. [Mexico] "Cordova".

Label. "Cordova (Mexico)"; taxon name in Pfeiffer's handwriting. M.C. label style I.

Dimensions. "Long. 22, diam. 10 mill."; figured specimen herein H 21.8, D 11.1,
W 5.1.

Type material. NHMUK 1975502, lectotype; 1975502/2, one paralectotype
(Cuming coll.).
Remarks. One of the two specimens found corresponds to the figure of Pfeiffer and is here selected as the lectotype (design. n.). The current systematic position follows Thompson (2011: 112).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) aurifluus (Pfeiffer, 1857).

*Bulimus auris* Pfeiffer, 1866
http://species-id.net/wiki/Bulimus_auris
Figs 37A–C, L7ii

*Bulimus auris* Pfeiffer 1866: 831; Pfeiffer 1868: 36; Breure 1979: 106 (lectotype designation).

*Drymaeus (Drymaeus) auris*; Breure and Eskens 1981: 8.

Type locality. "Venezuela".

Label. "Venezuela"; taxon name in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. "Long. 39, diam. 14 1/2 mill."; figured specimen herein H 38.8, D 20.1, W 6+.

Type material. NHMUK 1975499, lectotype (Cuming coll.).

Remarks. Pfeiffer did not state on how many specimens his description was based. Only one specimen was found, which corresponds to Pfeiffer’s original measurements; the top is damaged.

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) auris* (Pfeiffer, 1866).

*Bulinus badius* Sowerby, 1835
http://species-id.net/wiki/Bulinus_badius
Figs 67J, L7iii

*Bulinus badius* Sowerby I 1835: 141.

*Bulinus badius*; Reeve 1849 [1848–1850]: pl. 39 fig. 235.

*Bulinulus badius*; Pilsbry 1897 [1897–1898]: 28, pl. 4 fig. 49.

Type locality. "in provincia Peruviae Xagua" (see remarks).

Label. "Prov. of Xagua, Peru". M.C. label style I.

Dimensions. "long. 1, lat. 0.6 poll. [H 25.3, D 15.2 mm]"; figured specimen herein H 25.8, D 15.5, W 5.9.

Type material. NHMUK 20100631, three possible syntypes (Cuming coll.).

Remarks. The specimen figured by Reeve was found in the collection and, together with two other specimens, are considered possible syntypes. The type locality may refer to Dept. Jauja in Central Peru (teste Crawford 1939: 330) or to
Dept. Amazonas, Prov. Bagua; the latter seems slightly outside the range known for this subgenus. The current systematic position at species level follows Richardson (1995: 348).

**Current systematic position.** Bulimulidae, *Kuschelenia* (*Vermiculatus*) *bicolor* (Sowerby I, 1835) (comb. n.).

*Bulimus balsanus* Morelet, 1863
http://species-id.net/wiki/Bulimus_balsanus
Figs 5B, L7iv

*Bulimus balsanus* Morelet, 1863: 192, pl. 9 fig. 8; Breure 1979: 51.  
*Bostryx balsanus*; Breure 1978: 53 (lectotype designation).

**Type locality.** [Peru] "Balsa de Cocharcas".  
**Label.** "Balsa de Cocharcas", in Morelet’s handwriting.  
**Dimensions.** "Long. 19, diam. 8 1/2 mill."; figured specimen herein H 17.9, D 9.0, W 6.4.  
**Type material.** NHMUK 1893.2.4.173, lectotype; 1893.2.4.174, paralectotype (Morelet coll.).  
**Remarks.** The current systematic position follows Richardson (1995: 35).  
**Current systematic position.** Bulimulidae, *Bostryx nigropileatus* (Reeve, 1849).

*Bulimus baranguillanus* Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_baranguillanus
Figs 31A–C, L7v

*Bulimus baranguillanus* Pfeiffer 1853d: 334; Pfeiffer 1853 in Küster and Pfeiffer 1840–1865: 246, pl. 66 figs 5–6; Pfeiffer 1854b: 136; Breure 1979: 106 (lectotype designation).  
*Drymaeus baranguillanus*; Pilsbry 1898 [1897–1898]: 208, pl. 35 figs 21–22; Linares and Vera 2012: 181.  
*Drymaeus* (*Drymaeus*) *baranguillanus*; Breure and Eskens 1981: 8.

**Type locality.** "Baranguilla in Andibus Colombianus".  
**Label.** "Baranguilla / Andes of Colombia"; taxon label in Pfeiffer’s handwriting. M.C. label style IV.  
**Dimensions.** "Long. 32, diam. 13 1/2 mill."; figured specimen herein H 31.5, D 15.6, W 7.2.  
**Type material.** NHMUK 1975452, lectotype (Cuming coll., ex Bland).  
**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) *baranguillanus* (Pfeiffer, 1853).
**Bulimus barbadensis** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_barbadensis
Figs 60A–B, L8i

*Bulimus barbadensis* Pfeiffer 1853d: 435; Breure 1979: 62 (lectotype designation).
*Bulimulus fuscus* (Guilding, 1828); Breure 1974: 38, pl. 5 figs 1–4.

**Type locality.** [West Indies] “Barbados. (Mus. Cuming).”

**Label.** No locality given. The taxon label is in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 20, diam. 10 mill.”; figured specimen herein H 21.3, D 10.8 W 5.9.

**Type material.** NHMUK 1974054, lectotype; 1974055, two paralectotypes (Cuming coll.).

**Remarks.** The current systematic position follows the revision of Breure (1974).

**Current systematic position.** Bulimulidae, *Bulimus fuscus* (Guilding, 1828).

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**Helix (Xenothauma) baroni** Fulton, 1896
http://species-id.net/wiki/Helix_baroni
Figs 65A–B, L8iii

*Helix (Xenothauma) baroni* Fulton 1896: 101, pl. 6 figs 7–7b; Breure 1979: 83; Neubert and Janssen 2004: 201, pl. 11 fig. 135.
*Bulimulus baroni*; Pilsbry 1898 [1897–1898]: 172, pl. 25 figs 64–66.
*Scutalus (Scutalus) baroni*; Breure 1978: 164 (lectotype designation); Köhler 2007: 147, fig. 61.

**Type locality.** [Peru, Dept. Cajamarca] ”Rio Yonan, Peru, 4000 feet (C.T. Baron)’’.

**Label.** "Rio Yonan, Peru, 4000’ / C.T. Baron”, in Fulton’s handwriting.

**Dimensions.** ”Height 12 millim., maj. diam. 30 millim.”; figured specimen herein H 12.7, D 29.3, W 4.6.

**Type material.** NHMUK 1896.6.23.1, lectotype; 1896.6.23.2, one paralectotype, Baron leg. (ex Fulton).

**Remarks.** Fulton did not mention on how many specimens his description was based. From Neubert and Janssen (2004: 201) it may be concluded that the type series was distributed to various museums. ”Rio Yonan” is the local name of Rio Jequetepeque at the village of Yonan, near Tembladera (V. Mogollón, pers. commun.).

**Current systematic position.** Bulimulidae, *Scutalus baroni* (Fulton, 1896).
**Bulimulus (Drymaeus) baroni** Fulton, 1897
http://species-id.net/wiki/Bulimulus_baroni
Figs 65E–F, L8ii

*Bulimulus (Drymaeus) baroni* Fulton 1897: 213, pl. 6 fig. 8–8b; Breure 1979: 83.  
*Scutalus (Scutalus) baroni*; Breure 1978: 164 (lectotype designation).

**Type locality.**  "Rio Yonan, Peru, 4000 feet (C.T. Baron)".
**Label.**  "4000 ft / Rio Yonan / Peru", in Fulton’s handwriting.

**Dimensions.**  "Long. 31–36 millim., maj. diam. 19–22 millim."; figured specimen herein H 34.3, D 23.2, W 6.3.

**Type material.**  NHMUK 1897.8.3.173, lectotype; 1897.8.3.179, one paralectotype, Baron leg. (ex Fulton).

**Remarks.**  Fulton states "Type specimens (three) in British Museum". Only two specimens have been found. This taxon is considered a junior subjective synonym of *Scutalus cretaceus* (Pfeiffer, 1855) by Breure (1978).

**Current systematic position.** Bulimulidae, *Scutalus cretaceus* (Pfeiffer, 1855).

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**Otostomus bartletti** H. Adams, 1867
http://species-id.net/wiki/Otostomus_bartletti
Figs 41G–I, L8iv

*Otostomus bartletti* H. Adams 1867a: 442, pl. 38 fig. 4; Breure 1979: 106.  
*Drymaeus (Drymaeus) bartletti*; Pilsbry 1898 [1897–1898]: 224, pl. 32 fig. 44.

**Type locality.**  "[Upper Amazons, and on the River Ucayali, Eastern Peru]".
**Label.**  "E. Peru"; "Upper Amazons" added in a later handwriting. Taxon label in H. Adam’s handwriting.

**Dimensions.**  "Long. 25 mill., diam. maj. 26 mill."; figured specimen herein H 28.5, D 26.7, W 4+.

**Type material.**  NHMUK 1867.5.18.4, lectotype, Bartlett leg.

**Remarks.**  The type locality was not specified for each species, but is taken from the title of Adam’s paper.  "Two examples, one in good condition, of this very finely marked and interesting species were obtained by Mr. Bartlett" (H. Adams 1867a: 442). Only one specimen is present, of which the index card in the collection states "The specimen, although not registered, appears to be 1867.5.18.4 which was purchased from Bartlett along with other types described at the same time. No specimen can be found with this number. The writings on the board are the same as those on the other specimens purchased at the same time, including the original labels. Locality exactly correct". The specimen, of which the top is damaged, is the figured specimen by Adam and is here designated lectotype (design. n.).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) bartletti* (H. Adams, 1867).
**Drymaeus bellus** da Costa, 1906

http://species-id.net/wiki/Drymaeus_bellus

Figs 28H–J, L8v

*Drymaeus bellus* da Costa 1906a: 8, pl. 1 fig. 5; Breure 1979: 106; Linares and Vera 2012: 181.

**Type locality.** "Colombia, San Martin".

**Label.** "San Martin, Colombia", in da Costa’s handwriting.

**Dimensions.** "Long. 33, diam. 16 mm."; figured specimen herein H 33.2, D 16.6, W 6.3.

**Type material.** NHMUK 1907.11.21.8, holotype; 1907.11.21.9, paratype (da Costa coll.).

**Remarks.** The current systematic position follows the revision of Breure and Borrero (unpublished data) and da Costa’s taxon is now placed in the synonymy of *Drymaeus blandi* Pilsbry, 1897 (*syn. n.*).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) blandi* Pilsbry, 1897.

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**Bulinus bicolor** Sowerby I, 1835

http://species-id.net/wiki/Bulinus_bicolor

Figs 66O–P, L9i

*Bulinus bicolor* Sowerby I 1835: 141; Reeve 1848 [1848–1850]: pl. 44 fig. 276; Breure 1979: 85.

*Scutalus (Vermiculatus) bicolor*; Breure 1978: 171 (lectotype designation).

**Type locality.** ”provinciae Peruviae Xagua” (see remarks).

**Label.** "Peru" on two labels with different handwriting, "Zagua" written on board. M.C. label style I, V.

**Dimensions.** "Long. 0.9, lat. 0.4 poll. [H 22.8, D 10.1 mm]"; figured specimen herein H 23.6, D 10.9, W 5.8.

**Type material.** NHMUK 1975151 lectotype; 1975152, two paralectotypes (Cuming coll.).

**Remarks.** Sowerby described this taxon from the Cuming collection. So far the publication date for this taxon has been cited as 1834 or 1835. According to Duncan (1937: 78) Sowerby’s paper was published on 3 April 1835. The type locality has not be found in any modern gazetteer. Weyrauch (1967: 386) simply lists this species as from Peru, but distinguished *S. bicolor badius* (Sowerby I, 1835) from "N-Peru". According to Crawford (1939: 330) the name "Xagua" could refer to Dept. Jauja, which is in Central Peru. The specimen figured by Reeve has been selected lectotype by Breure (1978). The current systematic position at the species level follows Richardson (1995: 348).

**Current systematic position.** Bulimulidae, *Kuschelenia (Vermiculatus) bicolor* (Sowerby I, 1835) (*comb. n.*).
**Bulimus binneyanus** Pfeiffer, 1857

http://species-id.net/wiki/Bulimus_binneyanus

Figs 58C–E, L9ii

*Bulimus binneyanus* Pfeiffer 1857e: 229; Pfeiffer 1858a: 257, pl. 42 fig. 4; Breure 1979: 100.

*Neopetraeus binneyanus*; Pilsbry 1898 [1897–1898]: 164, pl. 32 fig. 43; Breure 1978: 210 (lectotype designation).

**Type locality.** "in Andibus prov. Patas, Peru (Dr. Farris”).

**Label.** “Province of Patas / Andes of Peru”; taxon name in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 26, diam. 19 mill.”; figured specimen herein H 25.2, D 20.8, W 5.2.

**Type material.** NHMUK 1975426, lectotype; 1975427, two paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer did not state on how many specimens his description was based; from Pfeiffer 1858 it is clear this he described this taxon from the Cuming collection. The specimen originally figured by Pfeiffer (1858a: pl. 42 fig. 4) was selected lectotype by Breure (1978).

**Current systematic position.** Bulimulidae, *Neopetraeus binneyanus* (Pfeiffer, 1857).

**Bulimus bogotensis** Pfeiffer, 1855

http://species-id.net/wiki/Bulimus_bogotensis

Figs 42A–C, L9iii

*Bulimus bogotensis* Pfeiffer 1855d: 93; Pfeiffer 1859b: 390; Breure 1979: 106 (lectotype designation).

*Drymaeus bogotensis*; Linares and Vera 2012: 182 [partim].

*Drymaeus (Drymaeus) bogotensis*; Breure and Eskens 1981: 10.

**Type locality.** [Colombia] "Santa Fé de Bogota”.

**Label.** “Santa Fe da Bogata [sic]”; taxon name in Pfeiffer’s handwriting. M.C. label style III.

**Dimensions.** "Long. 38, diam. 14 mill.”; figured specimen herein H 37.4, D 17.5, W 6.9.

**Type material.** NHMUK 1975191, lectotype (Cuming coll.).

**Remarks.** Pfeiffer described this taxon from Cuming’s collection; he did not state on how many specimens his description was based. Only one specimen was found. On the original label, Pfeiffer has added "(spectatus Reeve t. 81. / f. 601 b.).” Reeve described *Bulimus spectatus* from specimens in "Mus. Taylor”; his figure does not correspond to the specimen designated as lectotype and we consider Reeve’s taxon to be distinct.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) bogotensis* (Pfeiffer, 1855).
**Helix bolivarii** d’Orbigny, 1835
http://species-id.net/wiki/Helix_bolivarii
Figs 52A–B

*Helix bolivarii* d’Orbigny 1835: 17.

*Bulimus bolivarii* d’Orbigny 1837 [1834–1847]: 309, pl. 39 figs 5–6 [7 Aug. 1837; text 6 May 1838].

*Drymaeus bolivarii* (d’Orbigny); Breure 1975b: 1150, pl. 4 fig. 2 (lectotype designation).

**Type locality.** “provincia Cochabambacensi (republica Boliviana); see Breure 1973: 114.

**Label.** Not found.

**Dimensions.** “Longit. 54 millim., latit. 26 millim.”.

**Type material.** Not found.

**Remarks.** No material of this species was found. In the NHMUK-copy of the “Voyage...” a note on p. 309 states “No examples of this sp. could be traced in d’O. colln in Sept. 1958. S.P. Dance”. Also, in Gray (1854) there is no “B.M.” following the name, so it may safely assumed that type material of this taxon never came to London. The only extant material is thus the material in the Paris museum. As this is an incomplete specimen, the original figures by d’Orbigny are here copied.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) bolivarii* (d’Orbigny, 1835).

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**Bulimus bolivianus** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_bolivianus
Figs 42D–F, L9iv

*Bulimus bolivianus* Pfeiffer 1846a: 34; Pfeiffer 1848b: 105; Reeve 1849 [1848–1850]: pl. 81 fig. 599.

*Drymaeus bolivianus*; Pilsbry 1898 [1897–1898]: 244, pl. 43 fig. 66.

*Drymaeus (Drymaeus) bolivianus*; Breure 1979: 107 (lectotype designation); Breure and Eskens 1981: 12.

**Type locality.** [Venezuela] "Merida, Andes of Bolivia”.

**Label.** "Merida", taxon label in Pfeiffer’s handwriting, M.C. label style IV.

**Dimensions.** "Long. 33, diam. 13 mill.”; figured specimen herein H 33, D 13.7, W 7.2.

**Type material.** NHMUK 1975444, lectotype; 1975445, one paralectotype (Cuming coll.); see remarks.

**Remarks.** Pfeiffer did not state on how many specimens his description was based; the lot found contains three specimens. The smallest shell of the lot is a juvenile specimen not belonging to this species, and is here excluded from the type material. The locality as originally stated by Pfeiffer seems in error as there is no place with that name in Bolivia; the taxon is now tentatively assigned to the Venezuelan mala-
cofauna. Reeve 1848 [1848–1850]: pl. 44 fig. 281 figured a specimen from “Mus. Dennison”, which he mistakenly held for Bulimus bolivianus. Later he corrected his mistake on pl. 81, stating “The shell here represented is the original type of the species described by Dr. Pfeiffer. To that which I have mistaken for it at Pl. XLIV Sp. 281, the name B. annulatus may be given”. The current systematic position follows Richardson (1995: 105).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) bolivianus* (Pfeiffer, 1846).

**Drymaeus boucardi** da Costa, 1907

http://species-id.net/wiki/Drymaeus_boucardi

Figs 36A–C, L9v

*Drymaeus boucardi* da Costa 1907: 305, pl. 26 figs 5–5a; Breure 1979: 107.

**Type locality.** [Panama] "Chiriqui".

**Label.** "Chiriqui", in da Costa’s handwriting.

**Dimensions.** ”Long. 27, diam. 11 mm.”; figured specimen herein H 26.9, D 12.4, W 5.9.

**Type material.** NHMUK 1907.11.21.26, holotype, Boucard leg. (da Costa coll.).

**Remarks.** In his remarks, da Costa states "this shell’, which might imply that he had only one specimen. The material is considered herein a holotype. The basal part of the lip is damaged. This taxon has not been mentioned by Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) boucardi* da Costa, 1907.

**Bulimus bourcieri** Pfeiffer, 1853

http://species-id.net/wiki/Bulimus_bourcieri

Figs 26G–I, L9vi

*Bulimus bourcieri* Pfeiffer 1853d: 314; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 98, pl. 32 figs 3–4.

*Drymaeus bourcieri*; Pilsbry 1898 [1897–1898]: 241, pl. 33 fig. 45.

*Drymaeus (Drymaeus) bourcieri*; Breure 1979: 107 (lectotype designation); Breure and Eskens 1981: 12; Breure and Borrero 2008: 20.

**Type locality.** "Pichincha reipublicae Aequatoris (Bourcier)".

**Label.** "Pichincha / Ecuador / Mons’ Bourcier”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 25, diam. 11 mill.”; figured specimen herein H 23.9, D 13.0, W 5.5.
Type material. NHMUK 1975446, lectotype; 1975447, two paralectotypes, Bourcier leg. (Cuming coll.).

Current systematic position. Bulimulidae, *Drymaeus* (*Drymaeus*) bourcieri (Pfeiffer, 1853).

*Helix brachysoma* d’Orbigny, 1835
http://species-id.net/wiki/Helix_brachysoma
Figs 52C–D

*Helix brachysoma* d’Orbigny 1835: 18.
*Bulimus brachysoma* d’Orbigny 1837 [1834–1847]: 309, pl. 39 figs 9–10 [7 Aug. 1837; text 6 May 1838].

Type locality. "provincia Santa Cruz de la Sierra (republica Boliviana)"; see Breure 1973: 115.

Dimensions. "Longit. 40 millim., latit. 19 millim."

Remarks. In the NHMUK copy of the "Voyage...", there is a note in pencil in the margin of p. 309, which states "No examples of this sp. could be traced in d’O. colln. in Sept. 1958. S.P. Dance". Also, in Gray (1854) there is no "B.M." following the name, so it may safely assumed that type material of this taxon never came to London. As this species has not been traced in the Paris museum (Breure 1975b), the type material must be considered lost. The original figures of d’Orbigny are here reproduced.

Current systematic position. Bulimulidae, *Drymaeus* (*Drymaeus*) *brachysoma* (d’Orbigny 1835).

*Bulimus* (*Drymaeus*) *broadwayi* E.A. Smith, 1896
http://species-id.net/wiki/Bulimus_broadwayi
Figs 20I, L9vii

*Bulimus* (*Drymaeus*) *broadwayi* E.A. Smith 1896: 243, pl. 8 fig. 9.
*Drymaeus* *broadwayi*; Pilsbry 1899: 22, pl. 12 fig. 5.
*Drymaeus* (*Mesembrinus*) *broadwayi*; Breure 1979: 117.

Type locality. [Trinidad].

Label. "Trinidad".

Dimensions. "Longit. 14 millim., diam. 8 1/2"; holotype H 11.9, D 7.59, W 5.4.

Type material. NHMUK 1895.11.28.10, holotype, W.E. Broadway leg. (ex W. Moss).

Remarks. Smith remarked "Mr. Moss, who received from him [Broadway] a fine series (...), has liberally placed one of his three specimens of this species in the British
Museum collection”. The specimen found is thus the holotype, despite the fact it is somewhat smaller than the dimensions given by Smith.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) broadwayi* (E.A. Smith, 1896).

*Bulimulus (Drymaeus) buckleyi* Sowerby III, 1895
http://species-id.net/wiki/Bulimulus_buckleyi

Figs 36D–F, L10i

*Bulimulus (Drymaeus) buckleyi* Sowerby III 1895: 214, pl. 13 figs 3–4.
*Drymaeus (Drymaeus) buckleyi*; Breure 1979: 107 (lectotype designation); Breure and Eskens 1981: 12; Breure and Borrero 2008: 20.

**Type locality.** "Ecuador”.

**Label.** "Ecuador”. The label also mentions "2 co-types”.

**Dimensions.** "Long. 27, diam. 9 mm.”; figured specimen herein H 27.3, D 11.1, W 5.7.

**Type material.** NHMUK1907.11.21.48, lectotype; 1907.11.21.49–50, two paralectotypes (da Costa coll.).

**Remarks.** Sowerby (1895) stated: "Types in the collection of Mr. S.I. Da Costa. The shells were collected by Mr. C. Buckley in 1872, but not mentioned in Mr. E.T. Higgins’ paper [Higgins 1872]”.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) buckleyi* (Sowerby III, 1895).

*Otostomus bugabensis* Martens, 1893
http://species-id.net/wiki/Otostomus_bugabensis

Figs 25B, L10ii

*Otostomus bugabensis* Martens 1893 [1890–1901]: 218, pl. 13 figs 21–21a.
*Drymaeus bugabensis*; Pilsbry 1899: 64, pl. 13 figs 34–35.
*Drymaeus (Mesembrinus) bugabensis*; Breure 1979: 117 (lectotype designation); Breure and Eskens 1981: 54, pl. 6 fig. 4; Thompson 2011: 114.

**Type locality.** "S. Panama, Bugaba, Department of Chiriqui, at an elevation of 1000 feet (Champion)”.

**Label.** "Bugaba Panama” on two labels in Martens’ handwriting, one of which states "Champion 166”.

**Dimensions.** "Long. 27, diam. 11 millim.”; lectotype H 26.3, D 11.0, W 5.8 (see remarks).

**Type material.** NHMUK 1901.6.22.958, lectotype; 1901.6.22.820, paralectotype, Champion leg. (Godman coll.).
Remarks. The lectotype has a damaged palatal lip and could be only subadult. Both shells are discoloured by age. The current systematic position is according to Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Mesembrinus*) *bugabensis* (Martens, 1893).

*Bulimus cacticolus* Reeve, 1849
http://species-id.net/wiki/Bulimus_cacticolus
Figs 60E–F, L10iii

*Bulimus cacticolus* Reeve 1849 [1848–1850]: pl. 58 fig. 393.

**Type locality.** "Curiana, Venezuela. (Mus. Dyson)".

**Label.** "Curiana, Venezuela", in a later handwriting on board. M.C. label style I.

**Dimensions.** Not given; figured specimen herein H 24.4, D 13.7, W 6.2.

**Type material.** NHMUK 20100515, one syntype (Cuming coll.).

**Remarks.** The specimen corresponds to Reeve's figure, except that the spire is less pointed; therefore, considered a possible syntype. No other material is present in the collection that can be matched to Reeve's figure or can be attributed to Dyson.

**Current systematic position.** Bulimulidae, *Bulimus cacticolus* (Reeve, 1849).

*Helix cactorum* d'Orbigny, 1835
http://species-id.net/wiki/Helix_cactorum
Figs 6D, L10iv

*Helix cactorum* d'Orbigny 1835: 10.

*Bulimus hennahi* Gray; d’Orbigny 1837 [1834–1847]: 283, pl. 30 figs 3–4 [3 April 1837; text 6 May 1838].

**Type locality.** "provincia Tacnacensi (rep. Peruviana)".

**Label.** "Tacna, Pérou", in d’Orbigny’s handwriting.

**Dimensions.** "Longit. 25 millim., latit. 15 millim."; figured specimen herein H 24.4, D 12.8, W 7.0.

**Type material.** NHMUK 1854.12.4.189, lectotype and six paralectotypes (d’Orbigny coll.).

**Remarks.** Seven specimens are present in the d’Orbigny collection, of which one corresponds to d’Orbigny 1837 [1834–1847]: pl. 30 fig. 4; it is here designated lectotype (*design. n*.). This taxon has been synonymized with *Bostryx hennahi* (J.E. Gray, 1830) by Richardson (1995: 27); the latter species was described from "Arica", which is presumably meant to be in (nowadays) Chile, while Tacna is in southern Peru; both localities are in the coastal area.

**Current systematic position.** Bulimulidae, *Bostryx hennahi* (J.E. Gray, 1830).
**Bulimus californicus** Reeve, 1848  
http://species-id.net/wiki/Bulimus_californicus  
Figs 23C, L10v

*Bulimus californicus* Reeve 1848 [1848–1850]: pl. 56 fig. 378.

**Type locality.** "California".

**Label.** "California". M.C. label style III.

**Dimensions.** Not given; figured specimen herein H 25.9, D 11.7, W. 6.3.

**Type material.** NHMUK 1975136, three syntypes (Cuming coll.).

**Remarks.** This taxon is considered as a junior subjective synonym of *Drymaeus (Mesembrinus) ziegleri* (Pfeiffer, 1847) by Richardson (1995: 198).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) ziegleri* (Pfeiffer, 1847).

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**Bulimus caliginosus** Reeve, 1849  
http://species-id.net/wiki/Bulimus_caliginosus  
Figs 69C–D, 69K, L10vi

*Bulimus caliginosus* Reeve 1849 [1848–1850]: pl. 82 fig. 609.

**Type locality.** "—?".

**Label.** "?". M.C. label style I.

**Dimensions.** Not given; figured specimen herein H 35.4, D 17.9, W 6.1.

**Type material.** NHMUK 20100518.1–3, lectotype and two paralectotypes (Cuming coll.).

**Remarks.** This taxon was classified as a *Naesiotus* species by Breure (1979). The sculpture of the protoconch is, however, not straightly axially ribbed but with a waving sculpture that is typical for species classified with *Vermiculatus* Breure, 1978. The specimen figured by Reeve is here designated lectotype (design. n.) to define the taxon.

**Current systematic position.** Bulimulidae, *Kuschelenia (Vermiculatus) caliginosus* (Reeve, 1849) (comb. n.).

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**Bulimus canaliculatus** Pfeiffer, 1845  
http://species-id.net/wiki/Bulimus_canaliculatus  
Figs 38G–I, L11i

*Bulimus canaliculatus* Pfeiffer 1845a: 68; Reeve 1848 [1848–1850]: pl. 41 fig. 256.  
*Drymaeus (Drymaeus) canaliculatus*; Breure 1979: 107 (lectotype designation); Breure and Eskens 1981: 12, pl. 5 fig. 6.

**Type locality.** "Bolivia".
Label. "Bolivia"; taxon label in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. "Long. 37, diam. 14 mill."; figured specimen herein H 36.0, D 16.2, W 6.6.

Type material. NHMUK 1975514, lectotype; 1975515, one paralectotype (Cuming coll.).

Remarks. The lectotype has also been figured by Reeve (1848 [1848–1850]). The current systematic position follows Richardson (1995: 107).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) canaliculatus (Pfeiffer, 1845).

Drymaeus prestoni cancellata da Costa, 1906
http://species-id.net/wiki/Drymaeus_prestoni_cancellata
Figs 24K, L11ii

Drymaeus prestoni cancellata da Costa 1906a: 9, pl. 1 fig. 10.
Drymaeus (Mesembrinus) prestoni cancellata; Breure 1979: 117.
Drymaeus (Mesembrinus) tripictus hoffmanni (Martens, 1893); Thompson 2011: 117.

Type locality. "Chiriqui, Panama".

Label. "Chiriqui", in da Costa’s handwriting.

Dimensions. Not given; figured specimen herein H 18.1, D 9.8, W 5.3.

Type material. NHMUK 1907.11.21.13, holotype (da Costa coll.).

Remarks. As da Costa speaks about "this pretty shell", it is implied that he had only one specimen at hand; thus the specimen found should be regarded holotype. The current systematic position follows the synonymisation by Thompson (2011).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) tripictus hoffmanni (Martens, 1893).

Drymaeus castaneostrigatus da Costa, 1906
http://species-id.net/wiki/Drymaeus_castaneostrigatus
Figs 36G–I, L11iii

Drymaeus castaneostrigatus da Costa 1906b: 98, pl. 11 fig. 5; Breure 1979: 107.

Type locality. "Pozuzo, Eastern Peru".

Label. "Pozuzo. E. Peru", in da Costa’s handwriting.

Dimensions. "Long. 19, diam. 8.5 mm"; figured specimen herein H 20.4, D 8.6, W 6.3.

Type material. NHMUK 1907.11.21.19; holotype (da Costa coll.).
Remarks. da Costa referred to "This shell (...)", which might imply that he had only seen one specimen. The NHMUK material is herein regarded the holotype.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) castaneostrigatus da Costa, 1906.

**Bulimus castus** Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_castus
Figs 19D, L11iv

*Bulimus castus* Pfeiffer 1847: 112; Reeve 1848 [1848–1850]: pl. 40 figs 1–2.

*Drymaeus (Mesembrinus) castus*; Breure 1979: 117 (lectotype designation).

Type locality. "Central America ?".

Label. "Central America?”. M.C. label style III.

Dimensions. "Long. 19, diam. 9 mill.”; figured specimen herein H 19.0, D 9.4, W 5.1.

Type material. NHMUK 1975197, lectotype; 1975198, two paralectotypes (Cuming coll.).

Remarks. The specimen figured by Reeve (1848 [1848–1850]) was designated lectotype by Breure (1979). The current systematic position follows Thompson (2011: 109).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) castus castus* (Pfeiffer, 1847).

**Bulimus catlowiae** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_catlowiae
Figs 15C, L11v

*Bulimus catlowiae* Pfeiffer 1853d: 427; Breure and Coppois 1978: 182 (lectotype designation); Breure 1979: 68.

Type locality. [Ecuador] "prope Quito (Bourcier)".

Label. "near Quito / Mons' Bourcier / Consul General”; taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 25, diam. 11 mill.”; figured specimen herein H 25.1, D 12.8, W 6.7.

Type material. NHMUK 1975414, lectotype; 1975415, two paralectotypes (Cuming coll.).

Remarks. This taxon is considered a junior subjective synonym of *Naesiotus quitensis* (Pfeiffer, 1848) (Richardson 1995: 229).

Current systematic position. Bulimulidae, *Naesiotus quitensis* (Pfeiffer, 1848).
**Bulimulus (Drymaeus) caucaensis** da Costa, 1898

http://species-id.net/wiki/Bulimulus_caucaensis

Figs 31G–I, L11vi

*Bulimulus (Drymaeus) caucaensis* da Costa 1898: 81, pl. 6 fig. 3.

*Drymaeus (Drymaeus) caucaensis*; Pilsbry 1898 [1897–1898]: 247, pl. 50 fig. 83; Linares and Vera 2012: 183.

*Drymaeus (Drymaeus) caucaensis*; Breure 1979: 107.

**Type locality.** "Valley of the R. Cauca, Colombia".

**Label.** "Cauca, Colombia", in da Costa’s handwriting.

**Dimensions.** "Long. 35, diam. 16 mm."; figured specimen herein H 34.8, D 16.6, W 6.3.

**Type material.** NHMUK 1907.11.21.43, lectotype (da Costa coll.).

**Remarks.** The specimen is labelled "type"; however, since da Costa did not state on how many specimens his description was based upon, the reference of Breure (1979) to "HT 1907.11.21.43" has to be interpreted as lectotype designation according to Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) caucaensis* (da Costa, 1898).

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**Bulimus ceratacme** Pfeiffer, 1855

http://species-id.net/wiki/Bulimus_ceratacme

Figs 3F–G, L11vii

*Bulimus ceratacme* Pfeiffer 1855c: 8; Pfeiffer 1859b: 424.

*Bostryx ceratacme*; Breure 1978: 57 (lectotype designation); Breure 1979: 52.

**Type locality.** "Peru?".

**Label.** "Peru"; taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 18 1/2, diam. 6 mill."; figured specimen herein H 18.0, D 6.11, W 7.5.

**Type material.** NHMUK 1975374, lectotype (Cuming coll.).

**Remarks.** The current systematic position follows Richardson (1995: 19).

**Current systematic position.** Bulimulidae, *Bostryx ceratacme* (Pfeiffer, 1855).

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**Bulimus cercicola** Morelet, 1863

http://species-id.net/wiki/Bulimus_cercicola

Figs 4G, L12i

*Bulimus cercicola* Morelet 1863: 192, pl. 9 fig. 7.

*Bulimulus (Lissoacme) cercicola*; Pilsbry 1896 [1895–1896]: 184, pl. 46 fig. 63.

*Bostryx cercicola* [sic]; Breure 1978: 56; Breure 1979: 52.
Type locality. [Peru] "vallées chaudes d’Abancay et d’Acostambo, situées à l’ouest du Cuzco”.

Label. "Abancay, Pérou", in Morelet’s handwriting.

Dimensions. "Long. 20; diam. 9 mill."; figured specimen herein H 18.7, D 8.75, W 5+.

Type material. NHMUK 1893.2.4.175–176, two syntypes (Morelet coll.).

Remarks. One of the syntypes is severely damaged; the other has the top damaged. The current systematic position as given by Richardson (1995: 36).

Current systematic position. Bulimulidae, Bostryx orophilus (Morelet, 1860).

*Bulimus chamaeleon* Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_chamaeleon
Figs 40A–C, L12ii

*Bulimus chamaeleon* Pfeiffer 1855f: 116; Breure 1979: 107.

Type locality. [Ecuador] "Quito (Mr. Bourcier)".

Label. "near Quito / Ecuador / Monsr Bourcier / Consul General"; taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long 27, diam. 11 1/2 mill."; figured specimen herein H 27.6, D 12.2, W 6.2.

Type material. NHMUK 1975448, three syntypes (Cuming coll.).

Remarks. Richardson (1995: 98) listed this taxon as a nomen nudum in Pfeiffer 1853d: 422, and Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 105, pl. 33 figs 17–18. However, the name *Bulimus chamaeleon* seems to have been published for the first time in Pfeiffer 1855f: 116. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) ambustus (Reeve, 1849).

*Naesiotus (Naesiotus) subcostatus chamayensis* Weyrauch, 1967
http://species-id.net/wiki/Naesiotus_subcostatus_chamayensis
Fig. 15E

*Naesiotus (Naesiotus) subcostatus chamayensis* Weyrauch 1967a: 409, figs 97–99; Breure 1979: 68; Neubert and Janssen 2004: 203, pl. 10 fig. 121; Breure 2012a: 6.

Type locality. "Norte interandino de Perú, cerca de pueblo Chamaya, sobre la margen izquierda del río Chamaya, afluente occidental del río Maranon, 550–660 m".

Label. "Above Chamaya, Río Chamaya, western affluent of Río Marañon, 600 m"; printed label.

Dimensions. "A. 18.2, D. 7.3 [mm]”; figured specimen H 17.5 D 7.7 W 7.5.

Type material. NHMUK 1975423, three paratypes (ex Weyrauch).

Current systematic position. Bulimulidae, *Naesiotus subcostatus chamayensis* Weyrauch, 1967.
Otostomus championi Martens, 1893
http://species-id.net/wiki/Otostomus_championi
Figs 19E–F, L12iii

Otostomus championi Martens 1893 [1890–1901]: 222, pl. 14 fig. 5.
Drymaeus (Mesembrinus) championi (von Martens); Breure 1979: 107 (lectotype designation); Breure and Eskens 1981: 14; Thompson 2011: 117.

Type locality. "W. Guatemala, Hacienda de Los Nubes, Cerro Zunil, Pacific slope, in the vicinity of the coffee-plantations, at an elevation of about 5000 feet (Champion)".
Label. "Cerro Zunil / Champion".
Dimensions. "Long. 27, diam. 14 1/2 mill."; figured specimen herein H 27.0, D 13.8, W 6.2.
Type material. NHMUK 1901.6.22.781, lectotype (Godman coll.).
Remarks. The specimen is not accompanied by a taxon label in von Marten’s handwriting, but bears the name of the collector and corresponds to the original figure. The current systematic position follows Thompson (2011).
Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) championi (Martens, 1893).

Bulimus chemnitzioides Forbes, 1850
http://species-id.net/wiki/Bulimus_chemnitzioides
Figs 12I, L12iv

Bulimus chemnitzioides Forbes 1850: 55, pl. 9 figs 6a–b; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 94, pl. 31 figs 21–23.
Bulimulus chemnitzioides; Pilsbry 1897 [1897–1898]: 124, pl. 24 figs 45–46.

Type locality. [Ecuador] "Chatham Island, Gelepagos [sic, Galápagos]".
Label. "Chatham Island / Galapagos / Proc. Zool. Soc. / fig. 6".
Dimensions. "Long. 19, diam. 4 mil."; figured specimen herein H 18.5, D 3.64, W 16.0.
Type material. NHMUK 1855.4.5.23, lectotype; 1850.4.23.14–15, two paralectotypes (ex Kellett and Wood).
Remarks. The specimen originally figured is here designated lectotype (design. n.). The two other specimens also originate from the voyage of Kellett and Wood (Forbes 1850, Seemann 1853), and are considered to be part of the original series.
Current systematic position. Bulimulidae, Naesiotus chemnitzioides (Forbes, 1850).
**Scutalus (Scutalus) chiletensis** Weyrauch, 1967

http://species-id.net/wiki/Scutalus_chiletensis

Fig. 65G

*Scutalus* (Scutalus) *chiletensis* Weyrauch 1967a: 373, figs 24–30; Breure 1979: 83; Neubert and Janssen 2004: 204, pl. 12 fig. 138; Breure 2012a: 6, pl. 5 figs 46–47.

**Type locality.** ”Norte de Péru, vertiente occidental de la Cordillera Occidental, cerro encima del pueblo Chileté, sobre la margen izquierda del río Jequetepeque, 850–950 m”.

**Label.** ”N-Peru, mountain above Chileté, Rio Jequetepeque, 850-950m”; printed label.

**Dimensions.** ”A. 33.1, D. 21 [mm]”; figured specimen herein H 34.2 D 23.4 W 6.0.

**Type material.** NHMUK 1975384, five paratypes (ex Weyrauch).

**Current systematic position.** Bulimulidae, *Scutalus chiletensis* Weyrauch, 1967.

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**Bulimus chimborasensis** Reeve, 1848

http://species-id.net/wiki/Bulimus_chimborasensis

Figs 38A–C, L12v

*Bulimus chimborasensis* Reeve 1848 [1848–1850]: pl. 44 fig. 275.

*Drymaeus chimborasensis*; Pilsbry 1898 [1897–1898]: 261, pl. 40 fig. 1; Linares and Vera 2012: 183.

*Drymaeus (Drymaeus) chimborasensis*; Breure 1979: 107; Breure and Borrero 2008: 20.

**Type locality.** ”Chimborazo, Columbia, New Granada”.

**Label.** ”Chimborazo”. M.C. label style IV, V.

**Dimensions.** Not given; figured specimen herein H 39.7, D 15.0, W 7.0.

**Type material.** NHMUK 1975460, three syntypes (Cuming coll.).

**Remarks.** Reeve described this species from ”Mus. Dennison”, and said it was identical to *Bulimus decoratus* Lea, 1838 (not Férussac, 1821); he referred to Lea’s figure (pl. 23 fig. 8). The specimens found correspond to Reeve’s description, but none can be matched to the shell figured on his plate 44.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) chimborasensis* (Reeve, 1848).

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**Drymaeus chiriquiensis** da Costa, 1901

http://species-id.net/wiki/Drymaeus_chiriquiensis

Figs 42J–L, L12vi

*Drymaeus chiriquiensis* da Costa 1901: 238, pl. 24 fig. 1; Pilsbry 1901 [1901–1902]: 162, pl. 48 fig. 47.

*Drymaeus (Drymaeus) chiriquiensis*; Breure 1979: 107.

*Drymaeus (Mesembrinus) chiriquiensis* Thompson 2011: 114.
Type locality. "Boqueti, Chiriquí, Panama".

Label. "Boqueti / Chiriqui / Panama", in da Costa’s handwriting.

Dimensions. "Long. 29, diam. 14 mm."; figured specimen herein H 29.1, D 13.6, W 5.5.

Type material. NHMUK 1907.11.21.119, holotype (da Costa coll.).

Remarks. As da Costa (1901) writes "A single specimen has been received of this pretty shell", it is clear that the specimen has to be regarded as the holotype. The current systematic position follows Thompson (2011).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) chiriquensis da Costa, 1901.

Bulimus cinereus Reeve, 1849
http://species-id.net/wiki/Bulimus_cinereus
Figs 15F–G, L12vii

Bulimus cinereus Reeve 1849 [1848–1850]: pl. 56 fig. 372.

Type locality. "Bolivia".

Label. "Bolivia". M.C. label style I, V.

Dimensions. Not given; figured specimen herein H 15.5, D 6.8, W 7.5.

Type material. NHMUK 20100519, lectotype (Cuming coll.).

Remarks. The specimen figured by Reeve 1849 [1848–1850] was found and is now designated lectotype (design. n.). This hitherto unfigured taxon was regarded a nomen inquirendum by Breure (1979: 136) and Richardson (1995: 387). The protoconch is sculptured with axial riblets, typical of Naesiotus sensu Breure 1979.

Current systematic position. Bulimulidae, Naesiotus cinereus (Reeve, 1849) (comb. n.).

Bulimus citronellus Angas, 1879
http://species-id.net/wiki/Bulimus_citronellus
Figs 20E, L13i

Bulimus citronellus Angas 1879: 479, pl. 40 fig. 5; Thompson 2011: 119. Drymaeus (Mesembrinus) citronellus; Breure 1979: 117 (lectotype designation).

Type locality. "Uren to Lipurio, Costa Rica (Gabb)".

Label. "Uren to Lipurio / low hills / Gabb / Costa rica", in Angas’s handwriting.

Dimensions. "Diam. 6, alt. 12 lin. [H 25.0, D 12.5 mm]"; figured specimen herein H 25.0, D 11.9, W 6.9.

Type material. NHMUK 1879.7.22.19–22, lectotype and three paralectotypes (ex Angas).
Remarks. Angas (1879) writes that he has seen "only two specimens". The lot is marked "type" and has been registered as having four specimens (1879.7.22.19-22). The current systematic position follows Richardson (1995: 183).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) sulphureus* (Pfeiffer, 1857).

*Bulimus clarus* Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_clarus
Figs 73I–J, L13ii

*Bulimus clarus* Pfeiffer 1857c: 330.

Type locality. "Meobamba, Peru (Mr. Gueinzius)."

Label. "Ecuador" [see remarks]; taxon label in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. "Long. 16, diam. 7 2/3 mill.". See remarks.

Type material. NHMUK 1975487, two possible syntypes [see remarks] (Cuming coll.).

Remarks. The type material consists of a mixed lot, one specimen belonging to *Naesiotus* sensu Breure 1979 (H 15.9, D 8.2, W 7.0), the other to *Drymaeus* (H 15.8, D 7.6, W 5.4). The latter corresponds more closely to the original measurements, but is subadult. However, as the locality differs from the type locality, and the collector is not mentioned on the label, there remains doubt whether this is the original lot. The taxon is now considered a nomen inquirendum.

Current systematic position. Bulimulidae.

*Bulimus clathratus* Pfeiffer, 1858
http://species-id.net/wiki/Bulimus_clathratus
Figs 43D–F, L13iii

*Bulimus clathratus* Pfeiffer 1858a: 258; Pfeiffer 1859a: 47. *Drymaeus (Drymaeus) clathratus*; Breure 1979: 107 (lectotype designation); Breure and Eskens 1981: 14.

Type locality. "Province of Patas, Andes of Peru (Dr. Farris)."

Label. "Province of Patas, / Andes of Peru / Dr Farris"; taxon label in Pfeiffer’s handwriting.

Dimensions. "Long. 30, diam. 11 mill."; figured specimen herein H 30, D 12.2, W 7.8.

Type material. NHMUK 1975449, lectotype (Cuming coll.).

Remarks. This hitherto unfigured taxon is known from a single specimen. The current systematic position follows Richardson (1995: 110).

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) clathratus* (Pfeiffer, 1858).
**Bulimus coagulatus** Reeve, 1849
http://species-id.net/wiki/Bulimus_coagulatus
Figs 66E, L13iv

*Bulimus coagulatus* Reeve 1849 [1848–1850]: pl. 77 fig. 558.
*Scutalus (Vermiculatus) coagulatus* (Reeve); Breure 1978: 173 (lectotype designation); Breure 1979: 85.

**Type locality.** "Peru".

**Label.** "Peru". M.C. label style IV, V.

**Dimensions.** Not given; figured specimen herein H 15.6, D 9.3, W 5.1.

**Type material.** NHMUK 1975351, lectotype; 1975352 two paralectotypes (Cuming coll.).

**Remarks.** This is a mixed lot of four specimens. The lectotype is an immature specimen and is considered by Ramírez and Thomé (2005) to be synonymous with *Scutalus versicolor* (Broderip in Broderip and Sowerby 1832). They identified one of the other specimens as *Bostryx conspersus* (NHMUK 1975352); this specimen is no longer considered as type material.

**Current systematic position.** Bulimulidae, *Scutalus versicolor* (Broderip in Broderip and Sowerby 1832).

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**Bulimus coarctatus** Pfeiffer, 1845
http://species-id.net/wiki/Bulimus_coarctatus
Figs 37F–H, L13v

*Bulimus coarctatus* Pfeiffer 1845b: 73; Pfeiffer 1848b: 90; Pfeiffer 1856 [1854–1860]: 80, pl. 22 figs 22–23; Breure 1979: 108 (lectotype designation).
*Drymaeus coarctatus*; Pilsbry 1898 [1897–1898]: 195, pl. 28 figs 17–18; Simone 2006: 136, fig. 445.
*Drymaeus (Drymaeus) coarctatus*; Breure and Eskens 1981: 16, pl. 5 fig. 5.

**Type locality.** "Locality unknown".

**Label.** "Brazil" (added in later handwriting); taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 34, diam. 17 mill."; figured specimen herein 34.6, D 20.2, W 6.9.

**Type material.** NHMUK 1975560, lectotype; 1975561, one paralectotype (Cuming coll.).

**Remarks.** The specimen designated lectotype has the best match with the original measurements. The other specimen has been figured in Pfeiffer 1856 [1854–1860]: pl. 22 figs 22–23.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) coarctatus* (Pfeiffer, 1845).
Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea)...

**Bulimus columbiensis** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_columbiensis
Figs 191–J, L25v

*Bulimus columbiensis* Pfeiffer 1855g: 124; Breure 1979: 118 (lectotype designation). *Bulimus gratus* Pfeiffer 1856a: 159. New name for *Bulimus columbiensis* Pfeiffer non Lea. *Drymaeus (Mesembrinus) gratus*; Breure and Eskens 1981: 71, pl. 7 fig. 9. *Drymaeus columbiensis*; Linares and Vera 2012: 193.

**Type locality.** "Columbia".
- **Label.** "Columbia"; "Venezuela" in a later handwriting. Labels for both taxon names in Pfeiffer’s handwriting, M.C. label style I.
- **Dimensions.** "Long. 28, diam. 11 1/2 mill."; figured specimen herein H 28.0, D 11.9, W 7.2.
- **Type material.** NHMUK 1975521, lectotype (Cuming coll.).
- **Remarks.** The original taxon label has been corrected to *B. gratus*, in a different ink. However, also a label with this name in Pfeiffer’s handwriting has been glued to the board. It may be noted that Lea’s name (*B. columbianus*) is sufficiently different to retain Pfeiffer’s original taxon name. On the front side, a later hand has written "Venezuela", which may be seen as a further precision to reflect the later political-administrative situation. Breure and Borrero (unpublished data) could not recognise this species in the Colombian material they studied.
- **Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) columbiensis* (Pfeiffer, 1855).

**Bulimulus compactus** Fulton, 1902
http://species-id.net/wiki/Bulimulus_compactus
Figs 7H, L13vi

*Bulimulus compactus* Fulton 1902: 69. *Bostryx compactus*; Breure 1979: 52.

**Type locality.** "Chicani, Bolivia".
- **Label.** "Chicani Bolivia", in Fulton’s handwriting.
- **Dimensions.** "Alt. 16, maj. diam. 9 millim."; figured specimen herein H 15.8, D 7.62, W 6.0.
- **Type material.** NHMUK 1902.5.28.1, syntype (ex Fulton).
- **Remarks.** Fulton did not state on how many specimens his description was based; the specimen is therefore regarded as a syntype. The current systematic position follows Richardson (1995: 20).
- **Current systematic position.** Bulimulidae, *Bostryx compactus* (Fulton, 1902).
**Bulimus confluens** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_confluens
Figs 31J–L, L14i

*Bulimus confluens* Pfeiffer 1855f: 115; Pfeiffer 1859b: 443; Breure 1979: 108 (lectotype designation).

*Drymaeus confluens*; Linares and Vera 2012: 183.

*Drymaeus (Drymaeus) confluens*; Breure and Eskens 1981: 16, pl. 8 fig. 1.

**Type locality.** [Colombia] "Marmato, New Granada".

**Label.** "Venezuela" [see remarks]; taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 40, diam. 17 mill."; figured specimen herein H 39.5, D 20.8, W 6.3.

**Type material.** NHMUK 1975196, lectotype and one paralectotype (Cuming coll.).

**Remarks.** According to Pfeiffer (1859: 443) the type is in "Mus. Cuming". The original specimen appears to be lost. The specimens are labelled "Bulimus con-/fluens Pfr. var. / Venezuela". There is no variety mentioned by Pfeiffer, nor in his original paper nor in subsequent publications, which is interpreted as him considering this a variable taxon; the specimens are thus regarded to be from the type series.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) confluens* (Pfeiffer, 1855).

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**Bulimus confusus** Reeve, 1848
http://species-id.net/wiki/Bulimus_confusus
Figs 66I–K, L14ii

*Bulimus confusus* Reeve 1848 [1848–1850]: pl. 48 fig. 316; Pfeiffer 1853d: 426; Breure 1979: 85.

*Bulimulus confusus*; Pilsbry 1898 [1897–1898]: 282, pl. 45 fig. 32.

*Scutalus (Vermiculatus) confusus*; Breure 1978: 173 (lectotype designation).

**Type locality.** Not given.

**Label.** "Peru", corrected to "?Peru" on a label in E.A. Smith’s handwriting. M.C. label style III, V.

**Dimensions.** Not given; figured specimen herein H 29.0, D 13.1, W 6.0.

**Type material.** NHMUK 1975194, lectotype; 1975195, two paralectotypes (Cuming coll.).

**Remarks.** The protoconch sculpture is typically for *Kuschelenia* Hylton Scott, 1952. The placement of this taxon within *Drymaeus* by Richardson (1995) is thus erroneous. Breure (1978) mentioned "New Grenada" as locality on the label; however, no mentioning of Peru which may be the original locality, if Crawford’s interpreta-
tion (Crawford 1939: 328) was correct to synonymize this taxon with *K. culminea* (d’Orbigny, 1835).

**Current systematic position.** Bulimulidae, *Kuschelenia (Kuschelenia) culminea* (d’Orbigny, 1835) (comb. n.).

**Drymaeus conicus** da Costa, 1907
http://species-id.net/wiki/Drymaeus_conicus
Figs 25E, L14iii

*Drymaeus conicus* da Costa 1907: 305, pl. 26 figs 7–7a; Breure 1979: 108 (lectotype designation).

**Type locality.** ”Oaxarca [sic], Mexico”.

**Label.** ”Oaxarca, Mexico”, in da Costa’s handwriting.

**Dimensions.** ”Long. 17.5, diam. 7 mm.”; lectotype H 17.5, D 7.5, W 6.9.

**Type material.** NHMUK 1907.11.21.32, lectotype and one paralectotype (da Costa coll.).

**Remarks.** da Costa did not state on how many specimens his description was based. A lectotype was designated by Breure (1979); the paralectotype is slightly damaged at the palatal lip. The current systematic position follows Richardson (1995: 111), but the taxon is now placed in the subgenus *Mesembrinus* Albers, 1850 (comb. n.).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) conicus* da Costa, 1907.

**Bulinus conspersus** Sowerby I, 1833
http://species-id.net/wiki/Bulinus_conspersus
Figs 6C, L15i

*Bulinus conspersus* Sowerby I 1833b: 73.

*Bulinus conspersus*; Reeve 1848 [1848–1850]: pl. 22 fig. 137.

**Type locality.** [Peru] ”collinis prope Lima” (see remarks).

**Label.** ”Peru”. M.C. label style I, V.

**Dimensions.** ”Long. 0.65, lat. 0.4 poll. [H 16.5, D 10.1 mm]”; figured specimen herein H 19.8, D 12.1, W 5.5.

**Type material.** NHMUK 20100619, five probable syntypes (Cuming coll.).

**Remarks.** The original material of Sowerby has not been traced; however, one of the specimens from this lot corresponds to Reeve (1848 [1848–1850]) and the specimens are regarded probable syntypes. Ramírez (2004) has restricted the type locality to Lomas de Atocongo, near Lima.

**Current systematic position.** Bulimulidae, *Bostryx conspersus* (Sowerby I, 1833).
**Bulimus convexus** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_convexus
Figs 39A–C, L14iv

*Bulimus convexus* Pfeiffer 1855f: 116; Pfeiffer 1859b: 444; Breure 1979: 108 (lectotype designation).

*Drymaeus (Drymaeus) convexus*; Breure and Eskens 1981: 16. pl. 8 fig. 7.

**Type locality.** ”New Granada”.

**Label.** ”Ecuador”, added in a later handwriting; taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** ”Long. 38, diam. 14 mill.”; figured specimen herein H 38.5, D 16.2, W 7.2.

**Type material.** NHMUK 1975192, lectotype; 1975193, two paralectotypes (Cuming coll.).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) convexus* (Pfeiffer, 1855).

**Helix cora** d’Orbigny, 1835
http://species-id.net/wiki/Helix_cora
Figs 58A–B, L14v

*Helix cora* d’Orbigny 1835: 15.

*Bulimus cora* d’Orbigny 1837 [1834–1847]: 307, pl. 34 figs 14–15 [3 April 1837; text 6 May 1838].

**Type locality.** [Peru] ”republica Peruviana”.

**Label.** ”Perou”, in d’Orbigny’s handwriting.

**Dimensions.** ”Latit. 44 millim.; longit. 29 millim.”; figured specimen herein H 43.9, D 28.0, W 6.7.

**Type material.** NHMUK 1854.12.4.124, lectotype and two paralectotypes (d’Orbigny coll.).

**Remarks.** d’Orbigny 1838 [1834–1847] specifies the type locality as ”sur les montagnes des environs de Trujillo”, which is in Dept. La Libertad. The lot contains two juvenile, and one adult specimen; the latter corresponds to d’Orbigny’s pl. 34 fig. 15 and is here designated lectotype (*design. n.*). The arrangement by Richardson (1995: 356), referring d’Orbigny 1837–1838 to *Bulinus proteus* Broderip in Broderip and Sowerby I 1832, may be in error.

**Current systematic position.** Bulimulidae, *Neopetraeus cora* (d’Orbigny, 1835).
**Bulimus coriaceus** Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_coriaceus
Fig 60K–L, L67ii

*Bulimus coriaceus* Pfeiffer 1857b: 318.

**Type locality.** [Mexico] "Cordova".

**Label.** "Mexico", taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 18, diam. 9 mill.". Figured specimen H 17.1, D 9.5, W 5.8.

**Type material.** NHMUK 1975409, three possible syntypes (Cuming coll.).

**Remarks.** The type material was based on material collected by Sallé; however, the material is accompanied by a taxon label in Pfeiffer’s handwriting and is herein considered as possible syntypes. Pfeiffer did not state on how many specimens his description was based. The type material was up till now unfigured. The current systematic position follows Thompson (2011: 106).

**Current systematic position.** Bulimulidae, *Bulimulus coriaceus* (Pfeiffer, 1857).

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**Bostryx (Bostryx) pygmaeus costatus** Weyrauch, 1960
http://species-id.net/wiki/Bostryx_pygmaeus_costatus
Fig. 1I

*Bostryx (Bostryx) pygmaeus costatus* Weyrauch 1960b: 122, pl. 11 figs 12–16; Breure 1979: 53; Neubert and Janssen 2004: 206, pl. 4 fig. 47; Breure 2012a: 7.

**Type locality.** [Peru] "Bei Alis, auf der rechten Seite des Río Alis, Zufluss des Río Cañete, 3300 m".

**Label.** "C-Peru, Alis, Río Alis, affluent of Río Cañete, 3300 m"; printed label.

**Dimensions.** "H. 8.7 D. 5.1"; figured specimen herein H 8.45, D 4.9, W 5.2.

**Type material.** NHMUK 1975357, one paratype (ex Weyrauch, WW 318).

**Current systematic position.** Bulimulidae, *Bostryx pygmaeus* Weyrauch, 1960.

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**Bostryx (Elatibostryx) imeldae costifer** Weyrauch, 1960
http://species-id.net/wiki/Bostryx_imeldae_costifer
Fig. 1J

*Bostryx (Elatibostryx) imeldae costifer* Weyrauch 1960b: 129, pl. 12 figs 35–38; Breure 1979: 53; Neubert and Janssen 2004: 206, pl. 7 fig. 77; Breure 2012a: 7.

**Type locality.** [Peru, Dept. Lima] "Mittel-Peru, Quichao, 5 km von Laraos, am Fusspad nach Yauyos, auf der linken Seite des Río Mayo im Tal des Río Cañete, 3500 m".
**Label.** "C-Peru, Quichao, 5 kms from Laraos, valley of Río Cañete, 3500 m"; printed label.

**Dimensions.** "H. 11.0 D. 5.0 [mm]"; figured specimen herein H 9.6, D 4.2, W 6.2.

**Type material.** NHMUK 1975354, one paratype, ex Weyrauch (WW 3319).

**Current systematic position.** Bulimulidae, *Bostryx imeldae* Weyrauch, 1958.

*Helix crepundia* d’Orbigny, 1835

http://species-id.net/wiki/Helix_crepundia

Figs 15H–I, L14vi

*Helix crepundia* d’Orbigny 1835: 14.

*Bulimus crepundia*; d’Orbigny 1837 [1834–1847]: 275, pl. 33 figs 18–19 [19 June / 7 Aug 1837; text 23 April 1838].
**Bulimulus crepundia**; Pilsbry 1897 [1897–1898]: 90, pl. 11 figs 33–34.
**Naesiotus crepundia**; Breure 1975b: 1146, pl. 8 fig. 5.

**Type locality.** "provincia Chiquitensi, republica Boliviana"; see Breure 1973: 116.

**Label.** Only the taxon name is given in d'Orbigny's handwriting.

**Dimensions.** "Latit. 15 millim., long. 10 millim.", corrected to "Longueur totale, 25 millimètres" in d'Orbigny 1838 [1834–1847]; figured specimen herein H 26.6, D 11.1, W 7.9.

**Type material.** NHMUK 1854.12.4.173, six paralectotypes; 1854.12.4.174, one paralectotype (d'Orbigny coll.).

**Remarks.** One specimen was marked with 'x' on the original board, which suggests a special selection; however, it is smaller than the type (H 23.7) and has the lip damaged. Another specimen, which shows the full lip as in d'Orbigny's figure, is here figured. The lectotype is in MNHN (Breure 1975b). In the collation of Coan et al. (2013a) the plates as issued in 'Livraison 25' and 'Livraison 26' appear to be incorrect; plate 38 is mentioned twice, while plate 33 is missing. Since no taxonomic implications seem involved, these dates have both been cited herein as it is not clear which is the correct date for each plate.

**Current systematic position.** Bulimulidae, *Naesiotus crepundia* (d'Orbigny, 1835).

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**Bulimus cretaceus** Pfeiffer, 1855

http://species-id.net/wiki/Bulimus_cretaceus

Figs 65C–F, L15iii

**Bulimus cretaceus** Pfeiffer 1855g: 123; Breure 1979: 83.

**Scutalus (Scutalus) cretaceus** (Pfeiffer); Breure 1978: 166, figs 277–278, pl. 8 fig. 7 (lectotype designation).

**Type locality.** "Eastern Islands [sic, see remarks] (Captain Keppell)".

**Label.** "No locality but I / had the from Cap. Keppell / who got them in the / Eastern Islands but don’t / recollect", taxon label in Pfeiffer’s handwriting, M.C. label style IV.

**Dimensions.** "Long. 36, diam. 18 mill."; figured specimen herein H 35.2, D 23.2, W 6.2.

**Type material.** NHMUK 1975388, lectotype; 1975389, one paralectotype, ex Keppell (Cuming coll.).

**Remarks.** Pilsbry (1902 [1901–1902]: 141) was the first to recognize that this species was from Peru. The type locality is here restricted to Dept. Cajamarca, Río Jequetepeque, near Tembladera (restr. n.).

**Current systematic position.** Bulimulidae, *Scutalus cretaceus* (Pfeiffer, 1855).
Bulinus crichtoni Broderip, 1836
http://species-id.net/wiki/Bulinus_crichtoni
Figs 59A–C, L15iv

Bulinus crichtoni Broderip 1836: 44.
Newboldius crichtoni; Breure 1979: 99.

Type locality. [Peru] "ad Ambo juxta Huanuco Peruviae".

Label. "Peru, Ambo, Sir A Crichton", added in pencil. Taxon label probably in Broderip’s handwriting.

Dimensions. "Long. 3 (circiter), latit. 1 1/8 poll. [H 76.0, D 28.5 mm]”; holotype H 71.3, D 33.5, W 4+.

Type material. NHMUK 1958.9.3.4, holotype (Broderip coll.).

Remarks. The top whorl of the specimen is missing. Broderip refers to "the apex of the shell under description, the only specimen I ever saw, is broken, and its actual length is 2 inches and 7/8 [72.8 mm]”; we consider this specimen the holotype.

Current systematic position. Bulimulidae, Newboldius crichtoni (Broderip, 1836).

Helix culminea d’Orbigny, 1835
http://species-id.net/wiki/Helix_culminea
Figs 66F–H, L15v

Helix culminea d’Orbigny 1835: 13; Breure 1979: 88.
Bulimus culmineus; d’Orbigny 1837 [1834–1847]: 288, pl. 33 figs 8–9 [19 June/ 7 Aug 1837; text 6 May 1838].
Bulimulus culmineus; Pilsbry 1897 [1897–1898]: 25, pl. 5 figs 74–75.
Scutalus culmineus culmineus; Breure 1975b: 1143, pl. 1 fig. 3.

Type locality. "culminibus Andesensibus, republica Boliviana” (see remarks).

Label. "Titicaca, Bolivia”, in d’Orbigny’s handwriting.

Dimensions. "Latit. 17 millim., longit. 13 millim.”; figured specimen herein H 31.2, D 14.1, W 6.3.

Type material. NHMUK 1854.12.4.198, six paralectotypes (d’Orbigny coll.).

Remarks. d’Orbigny (1838 [1834–1847]: 289) specified the type locality as "les montagnes de la province de Carangas, à l’ouest d’Oruro, principalement sur celle du ‘Pucara’, à cinq lieues du bourg de Totora”. Breure (1973: 130, fig. 3) located ‘Pucara’ at approximately 17°58’S, 068°21’W. This place could not be found using modern gazetteers, but Totora is located at 17°47’S, 068°08’W. The old French distance ‘lieu’ equals 4.44 kms, thus the Pucara mountain is about 22.2 km from Totora; however, d’Orbigny did not state in which direction he travelled. Breure (1975) restricted the type locality to this area, contrary to Weyrauch (1967a: 393) who selected the peninsula Capachica, in the Peruvian part of Lake Titicaca, as type locality; he referred
to Crawford (1939) who had studied the types of d’Orbigny in NHMUK. However, Weyrauch may have overlooked that d’Orbigny (1838 [1834–1847]: 289) specified a second locality “sur toutes les îles et sur toutes les montagnes du lac de Titicaca”. The specimens from the latter locality are those in the NHMUK collection, while those from “Carangas” are in the MNHN collection (Breure 1975b); the lectotype has been selected from the latter collection, and the type locality is thus in Bolivia.

Current systematic position. Bulimulidae, *Kuschelenia (Kuschelenia) culminea* (d’Orbigny, 1835).

*Bulimulus (Naesiotus) curtus* Reibisch, 1892
http://species-id.net/wiki/Bulimulus_curtus
Figs 13G–H, L16i

*Bulimulus (Naesiotus) curtus* Reibisch 1892: 21, pl. 1 fig. 14.
*Naesiotus curtus*; Breure 1979: 68.

Type locality. [Ecuador, Galápagos, Isla San Cristóbal] "Chatam-Island [sic] (Wolf)".
Label. "Chatham Is. Galapagos”.
Dimensions. "Long. 10.25, diam. maj. 5 mm"; figured specimen herein H 9.6, D 4.62, W 6.9.
Type material. NHMUK 1894.6.8.8–9, two syntypes, T. Wolf leg.
Remarks. Reibisch did not state on how many specimens his description was based. The current systematic position follows Richardson (1995: 217).

Current systematic position. Bulimulidae, *Naesiotus curtus* (Reibisch, 1892).

*Bulimus cuticula* Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_cuticula
Figs 42G–I, L16ii

*Bulimus cuticula* Pfeiffer 1855d: 95; Breure 1979: 108 (lectotype designation).
*Drymaeus (Drymaeus) cuticulus*; Breure and Eskens 1981: 20; Simone 2006: 136, fig. 446.

Type locality. "Rio Janeiro”.
Label. "Rio", taxon label in Pfeiffer’s handwriting. M.C. label style I.
Dimensions. "Long. 28, diam. 13 mill.”; figured specimen herein H 27.5, D 13.75, W 4.7.
Type material. NHMUK 1975451, lectotype (Cuming coll.).
Remarks. There is only one specimen, of which the lip has been broken, and the last whorl is badly damaged. The specimen is probably subadult.

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) cuticula* (Pfeiffer, 1855).
**Bulimus cuzcoensis** Reeve, 1849
http://species-id.net/wiki/Bulimus_cuzcoensis
Figs 43A–C, L16iii

*Bulimus cuzcoensis* Reeve 1849 [1848–1850]: pl. 71 fig. 514; Reeve 1850: 98; Pfeiffer 1853d: 344; Breure 1979: 108 (lectotype designation).

**Type locality.** [Peru] "Cuzco, Bolivia [sic]."

**Label.** "Peru", added in a later handwriting. M.C. label style IV, V.

**Dimensions.** Not given; figured specimen herein H 36.6, D 15.7, W 7.2.

**Type material.** NHMUK 1975453, lectotype; 1975454, two paralectotypes (Cuming coll.).

**Remarks.** The current systematic position follows Richardson (1995: 112).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) cuzcoensis* (Reeve, 1849).

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**Bulimus dacostae** Sowerby III, 1892
http://species-id.net/wiki/Bulimus_dacostae
Figs 33M–O, L16iv

*Bulimus dacostae* Sowerby III 1892: 297, pl. 23 figs 15–16.

*Drymaeus dacostae*; Pilsbry 1898 [1897–1898]: 214, pl. 43 figs 77–78; Linares and Vera 2012: 184.

*Drymaeus (Drymaeus) dacostae*; Breure 1979: 108.

**Type locality.** [Colombia] "Bogota (Mus. Da Costa)."

**Label.** "Bogota", in da Costa’s handwriting.

**Dimensions.** "Long. 26, diam. maj. 11 millim."; figured specimen herein H 26.3, D 11.0, W 6.3.

**Type material.** NHMUK 1907.11.21.51, holotype (da Costa coll.).

**Remarks.** Sowerby writes "I have seen as yet only one specimen of this species". Therefore the specimen is considered as holotype.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) dacostae* (Sowerby III, 1892).

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**Bulimus darwini** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_darwini
Figs 13J, L66vii

*Bulimus darwini* Pfeiffer 1846a: 29; Pfeiffer 1848b: 199; Reeve 1848 [1848–1850]: pl. 21 fig. 136.
Type locality. [Ecuador] "Gallapagos [sic] Islands".

Label. "Galapagos Is.", in E.A. Smith’s handwriting. M.C. label style III, V.

Dimensions. "Long. 17, diam. 19 mill."; figured specimen herein H 8.64, D 6.87 W 4.9.

Type material. NHMUK 20100523, two possible syntypes, C. Darwin leg. (Cuming coll.).

Remarks. The two juvenile specimens were labelled "ustulatus Sow." by E.A. Smith as coming from the Cuming museum, and were probably collected by Darwin during his visit to the archipelago with the ‘Beagle’. They are considered as possible syntypes. The current systematic position follows Richardson (1995: 217).

Current systematic position. Bulimulidae, Naesiotus darwini (Pfeiffer, 1846).

Bulimus decussatus Reeve, 1849
http://species-id.net/wiki/Bulimus_decussatus
Figs 56G–I, L16vi

Bulimus decussatus Reeve 1849 [1848–1850]: pl. 72 fig. 519; Reeve 1850: 99; Pfeiffer 1853d: 431; Breure 1979: 100.
Neopetraeus decussatus; Breure 1978: 215 (lectotype designation).

Type locality. "Andes of Caxamarca [sic, Cajamarca], Peru".

Label. "Andes of Caxamarca, Peru"; in unknown handwriting, obviously added in a later stage (see remarks).

Dimensions. Not given; figured specimen herein H 37.7, D 16.5, W 7.7.

Type material. NHMUK 1975180, lectotype (Cuming coll.).

Remarks. The printed label, that is typical of specimens figured by Reeve, has been lost. The label, probably in the handwriting of a NHMUK employee during the latter half of the 19th century, refers to Reeve’s species number (519), stating that it is "the type". In the lower left corner, "one on right" has been added (probably by E.A. Smith), which seems to indicate that the specimens originally were glued on board. There is a second note "now marked x", which apparently refers to the type specimen. See also Bulimus myristicus Reeve, 1849, which is a junior synonym (Breure 1978).

Current systematic position. Bulimulidae, Neopetraeus decussatus (Reeve, 1849).

Bulimus delumbis Reeve, 1849
http://species-id.net/wiki/Bulimus_delumbis
Figs 9C, L17i

Bulimus delumbis Reeve 1849 [1848–1850]: pl. 76 fig. 555; Pfeiffer 1853d: 418; Breure 1979: 53.
Bulimulus delumbis; Pilsbry 1901 [1901–1902]: 138, pl. 25 fig. 15.
Bostryx delumbis; Breure 1978: 71 (lectotype designation).
Type locality. ”—?”.

Label. ”Peru + Bolivia”, added in a later handwriting. M.C. label style I, V.

Dimensions. Not given; figured specimen herein H 21.2, D 14.0, W 6.0.

Type material. NHMUK 1975124, lectotype; 1975558, one paralectotype (Cuming coll.).

Remarks. The current systematic position follows Richardson (1995: 21).

Current systematic position. Bulimulidae, Bostryx delumbis (Reeve, 1849).

*Bulimus demotus* Reeve, 1850
http://species-id.net/wiki/Bulimus_demotus
Figs 25F, L17iii

*Bulimus feriatus* Reeve 1848 [1848–1850]: pl. 54 fig. 354; Breure 1979: 118 (lectotype designation).

*Bulimus demotus* Reeve 1850 [1848–1850]: ii. New name for *Bulimus feriatus* Reeve, 1848 (Dec.), not Reeve, 1848 (Nov.); Pfeiffer 1853d: 340.

*Drymaeus demotus*; Pilsbry 1898 [1897–1898]: 306, pl. 43 fig. 81.

Type locality. ”Venezuela”.

Label. ”Venezuela”. M.C. label style IV, V.

Dimensions. Not given; figured specimen herein H 31.8, D 15.3, W 6.2.

Type material. NHMUK 1975504, lectotype; 1975505, two paralectotypes (Cuming coll.).

Remarks. The lectotype corresponds to Reeve’s figure. The current systematic position follows Richardson (1995: 131).

Current systematic position. Bulimulidae, *Drymaeus* (*Mesembrinus*) *granadensis* (Pfeiffer, 1848).

*Bulimus denickei* J.E. Gray, 1852
http://species-id.net/wiki/Bulimus_denickei
Figs 7G, L17iv

*Bulimus denickei* J.E. Gray 1852: 92.

*Bostryx denickei*; Breure 1979: 53.

Type locality. [Peru, Dept. Arequipa] ”Chala, near Callao”.

Label. ”Chala, near Callao”. M.C. label style IV.

Dimensions. Not given; figured specimen herein H 26.4, D 17.5, W 5.9.

Type material. NHMUK 1851.5.15.1–3, three syntypes, E. Denicke leg. (Cuming coll.).
Remarks. The current systematic position follows Richardson (1995: 40).

Current systematic position. Bulimulidae, *Bostryx reentsi* (Philippi, 1851).

*Bulimus dentritis* Morelet, 1863
http://species-id.net/wiki/Bulimus_dentritis
Figs 16G, L17ii

*Bulimus dentritis* Morelet, 1863: 206, pl. 9 fig. 5; Breure 1979: 62.
*Bulimulus dentritis*; Breure 1978: 72 (lectotype designation).

Type locality. [Peru, Dept. Cuzco] ”près de Huiro, vallée de Santa-Anna”.

Label. ”Miota, Vallée de S“ Anna”, in Morelet’s handwriting.

Dimensions. ”Longit. 20, diam. 8 mill.”; figured specimen herein H 19.9, D 7.42, W.

Type material. NHMUK 1893.2.4.237, paralectotype (Morelet coll.).

Remarks. The species is hitherto classified as *Bulimulus*. However, the protoconch sculpture consists of axial riblets; it is here re-classified under *Naesiotus sensu* Breure 1979. The NHMUK specimen fits the measurements given by Morelet, but is not from the type locality. Other type material is present in MHNG from various other localities, of which one specimen from the type locality was designated lectotype (Breure 1978).

Current systematic position. Bulimulidae, *Naesiotus dentritis* (Morelet, 1863) (comb.n.).

*Bulimus depictus* Reeve, 1849
http://species-id.net/wiki/Bulimus_de pictus
Figs 22C, L17v

*Bulimus depictus* Reeve 1849 [1848–1850]: pl. 74 fig. 529; Pfeiffer 1853d: 337; Breure 1979: 118 (lectotype designation).

Drymaeus depictus; Pilsbry 1898 [1897–1898]: 290, pl. 45 fig. 17.

Drymaeus (*Mesembrinus*) depictus; Breure and Eskens 1981: 55, pl. 6 fig. 5.

Type locality. ”New Granada”.

Label. ”Venezuela”, added in a later handwriting. M.C. label style IV, V.

Dimensions. Not given; figured specimen herein H 27.9, D 12.1, W 5+.

Type material. NHMUK 1975529, lectotype; 1975530, two paralectotypes (Cuming coll.).

Remarks. The top of the lectotype is damaged. The difference between the published type locality and the locality on the label is explained by political changes around 1850.

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus*) depictus (Reeve, 1849).
**Bulimus depstus** Reeve, 1849

http://species-id.net/wiki/Bulimus_depstus

Figs 6B, L17vi

*Bulimus depstus* Reeve 1849 [1848–1850]: pl. 73 fig. 525 [text species 524]; Reeve 1850: 97; Pfeiffer 1853d: 428; Breure 1979: 53.

*Bostryx depstus*; Breure 1978: 73 (lectotype designation).

**Type locality.** "Chachapoyas, Alto-Peru".

**Label.** No label found (see remarks).

**Dimensions.** Not given; figured specimen herein H 18.5, D 9.71, W 7.1.

**Type material.** NHMUK 1975318, lectotype; 1975319, two paralectotypes (Cuming coll.).

**Remarks.** Breure (1978) stated he found a label with the text "Peru"; however, this label may have been lost.

**Current systematic position.** Bulimulidae, *Bostryx depstus* (Reeve, 1849).

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**Bulinus derelictus** Broderip, 1832

http://species-id.net/wiki/Bulinus_derelictus

Figs 10H, L17vii

*Bulinus derelictus* Broderip in Broderip and Sowerby I 1832b: 107; Reeve 1848 [1848–1850]: pl. 23 fig. 151; Neubert and Janssen 2004: 208, pl. 6 fig. 65.

**Type locality.** "Cobijam Bolivia [now Chile] (Puerto del Mar)".

**Label.** "Bolivia S. America", with a taxon label in Pfeiffer’s handwriting. M.C. label style I, V.

**Dimensions.** "Long. 6/12, lat. 5/8 poll. [H 12.7, D 15.8 mm, see remarks]"; figured specimen herein H 30.3, D 18.8, W 6.6.

**Type material.** NHMUK 20100609, four probable syntypes (Cuming coll.).

**Remarks.** Broderip described this taxon from the Cuming collection, but did not state on how many specimens his description was based. The original measurements seem to be erroneous, as these indicate a height/diameter ratio uncommon for this genus. Neubert and Janssen (2004) reported three specimens, with a maximum height of 23.1 and diameter of 15.3 mm, labelled "Peru" (ex Cuming), which they consider syntypes. The specimen corresponding to Reeve’s figure has been found in the NHMUK collection, together with three others; they are considered probable syntypes.

**Current systematic position.** Bulimulidae, *Bostryx derelictus* (Broderip in Broderip and Sowerby I 1832).
**Bulimus deshayesi** Pfeiffer, 1845
http://species-id.net/wiki/Bulimus_deshayesi
Figs 24D, L18i

*Bulimus deshayesi* Pfeiffer 1845c: 73; Pfeiffer 1848b: 200; Reeve 1848 [1848–1850]: pl. 40 fig. 250; Breure 1979: 118 (lectotype designation).
*Drymaeus deshayesi*; Pilsbry 1898 [1897–1898]: 303, pl. 45 fig. 27; Linares and Vera 2012: 194.
*Drymaeus* (*Mesembrinus*) *deshayesi*; Breure and Eskens 1981: 55, pl 7 fig. 1.

**Type locality.** "Locality unknown".

**Label.** "New Granada", taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

**Dimensions.** "Long. 45, diam. 15 mill."; figured specimen herein H 44.5, D 16.8, W 8.1.

**Type material.** NHMUK 1975526, lectotype; 1975527, one paralectotype (Cuming coll.).

**Remarks.** The current systematic position follows the revision of Breure and Borrero (unpublished data).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Mesembrinus*) *deshayesi* (Pfeiffer, 1845).

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**Bulimus devians** Dohrn, 1863
http://species-id.net/wiki/Bulimus_devians
Figs 4C, L18ii

*Bulimus devians* Dohrn 1863: 155.

**Type locality.** No type locality given [Peru].

**Label.** "[Peru]”, added in a later handwriting. M.C. label style III.

**Dimensions.** "Long. 15, lat. 6 mill.”; figured specimen herein H 14.9, D 6.78, W 5.1.

**Type material.** NHMUK 1975339, one possible syntype (Cuming coll.).

**Remarks.** Dohrn’s collection is known to be completely destroyed in the 1939–1945 war (Dance 1966, Köhler 2007). The specimen fits the original measurement, although it is unknown on how many specimens Dohrn based his description. Moreover, the lack of original data on the label prevents to ascertain the status of this specimen, and the specimen is only treated as possible syntype.

**Current systematic position.** Bulimulidae, *Bostryx devians* (Dohrn, 1863).
**Bulinus discrepans** Sowerby I, 1833
http://species-id.net/wiki/Bulinus_discrepans
Figs 23D, L18iii

*Bulinus discrepans* Sowerby I 1833b: 72; Reeve 1848 [1848–1850]: pl. 23 fig. 145.

**Type locality.** ”Americâ Centrali” (see remarks).

**Label.** ”Conchagua, C. America”. M.C. label style IV, V.

**Dimensions.** ”Long. 0.7, lat. 0.33 poll. [H 17.7, D 8.4 mm]”; figured specimen herein H 20.7, D 9.3, W 6.5.

**Type material.** NHMUK 1975181, four syntypes (Cuming coll.).

**Remarks.** Sowerby added is his remarks ”This was found at Conchagua” [El Salvador, dept. La Union], which is thus the type locality. Of the four specimens in the lot, two are juveniles and one is subadult; the largest specimen is marked ”59”. The current systematic position follows Thompson (2011: 119).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) discrepans* (Sowerby I, 1833).

**Bulinus dombeyanus** ‘Férucci’ Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_dombeyanus
Figs 37I–K, L18v

*Helix dombeyana* ‘F[érucci]’ Pfeiffer 1842: 76 (= Bulimus) [nomen nudum].

*Bulinus dombeyanus* ‘Fér.’ Pfeiffer 1842: 114 [nomen nudum]; ‘Fér.’ Pfeiffer 1846c: 83.

**Type locality.** ”Peru (Mus. Britt.)”.

**Label.** ”Peru”. M.C. label style IV.

**Dimensions.** ”Long. 56, diam. 26 mill.”; figured specimen herein H 56.8, D 31.7, W 7.1.

**Type material.** NHMUK 1844.10.2.32, syntype (ex Férucci, ”purch’d of Turner”).

**Remarks.** This taxon is generally regarded as a Mexican species (Pilsbry 1899, Solem 1957, Thompson 2011); the locality thus could be a case of mislabeling.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) dombeyanus* (Pfeiffer, 1846).

**Bulinus dubius** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_dubius
Figs 25C, L18iv

*Bulinus dubius* Pfeiffer 1853b: 257; Breure 1979: 118 (lectotype designation).
Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea)...

Drymaeus (Mesembrinus) dubius; Breure and Eskens 1981: 57, pl. 7 fig. 10.
Drymaeus dubius; Linares and Vera 2012: 194.

Type locality. “in Andibus Novae Granadae”.

Label. ”Andes, N. Granada”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. ”Long. 28, diam. 10 mill.”; figured specimen herein H 27.1, D 11.0, W 6.2+.

Type material. NHMUK 1975519, lectotype; 1975520, two paralectotypes (Cuming coll.).

Remarks. Of the lectotype the lip and the apex are damaged. Of the paralectotypes, one shell is broken.

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) dubius (Pfeiffer, 1853).

Bulimulus (Drymaeus) dukinfieldi Melvill, 1900
http://species-id.net/wiki/Bulimulus_dukinfieldi
Figs 60C–D, L19i

Bulimulus (Drymaeus) dukinfieldi Melvill 1900: 116, fig.
?Bulimulus dukinfieldi; Breure 1979: 62.
Bulimulus dukenfieldi; Simone 2006: 118, fig. 359.
Thaumastus dukinfieldi; Simone 2006: 152, fig. 518.

Type locality. ”Salto Grande do Rio dos Patos (upper waters of Rio Ivahy), Paraná, Brazil”.

Label. ”Salto Grande do Rio / dos Patos. (Upper waters of River Ivahy). / Paraná. Brazil.”.

Dimensions. ”Long. 28, lat. 13 mm”; figured specimen herein H 28.1, D 14.8, W 5.9.

Type material. NHMUK 1900.9.27.2, lectotype (ex Melvill).

Remarks. Melvill wrote ”Two specimens, precisely similar, were obligingly handed me by Mr. R. Dukinfield Darbishire”; ”the type” was placed in the NHMUK collection, the whereabouts of the second specimen are unknown. The reference to ”HT 1900.9.27.2” in Breure 1979 has to be interpreted as lectotype designation under Art. 74.6 ICZN. This shell seems to have been damaged several times during life-time, which may have influenced the shape of the shell and aperture. This is probably the reason why this taxon has been referred to different genera (Simone 2006: 118, 152); the classification of Breure (1979) is here tentatively retained until further studies have clarified the systematic position of this nomen inquirendum.

Current systematic position. Bulimulus (?) dukinfieldi Melvill, 1900. Nomen inquirendum.
**Bulimus dunkeri** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_dunkeri
Figs 50D–F, L19ii

*Bulimus dunkeri* Pfeiffer in Philippi 1846 [1845–1847]: 112, pl. 4 fig. 10; Breure 1979: 108 (lectotype designation).

*Drymaeus (Drymaeus) dunkeri*; Breure and Eskens 1981: 20; Thompson 2011: 110.

**Type locality.** ”respublica mexicana, prope Michoacan”.

**Label.** ”Michoacan”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 18, diam. 8”” [H 39.2, D 17.4 mm]”; figured specimen herein H 34.8, D 18.5, W 6.0.

**Type material.** NHMUK 1975512, lectotype; 1975513, two paralectotypes (Cuming coll.).

**Remarks.** The original measurements are interpreted as German lines (2.18 mm), and do not correspond to those of the specimen in the NHMUK. However, Pfeiffer’s collection is known to have been destroyed (Dance 1966), and type material of this taxon is neither in the SMF (Neubert and Janssen 2004) nor ZMB (Köhler 2007) collections. The current systematic position follows Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) dunkeri dunkeri* (Pfeiffer, 1846).

**Bulimulus (Peronaeus) durangoanus** Martens, 1893
http://species-id.net/wiki/Bulimulus_durangoanus
Figs 73F–H, L19iii

*Bulimulus (Peronaeus) durangoanus* Martens 1893 [1890–1901]: 246, pl. 15 figs 11–11a.

*Bulimulus durangoanus*; Pilsbry 1897 [1897–1898]: 127, pl. 18 figs 32–33.

**Type locality.** ”N. Mexico, Villa Lerdo, State of Durango”.

**Label.** ”Mexico”, taxon label in Martens’ handwriting.

**Dimensions.** ”Long. 15, diam. 6 (...) millim.”. Figured specimen H 15.0, D 6.4, W 6.3.

**Type material.** NHMUK 1901.6.22.871, holotype (ex Godman).

**Remarks.** Martens wrote ”I have seen only one specimen of this species”; the specimen found is thus the holotype. The current systematic position follows Thompson (2011: 124).

**Current systematic position.** Bulimulidae, *Naesiotus durangoanus* (Martens, 1893).
**Bulimus dutaillyi** Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_dutaillyi
Figs 22G, L19iv

*Bulimus dutaillyi* Pfeiffer 1857d: 390; Breure 1979: 118 (lectotype designation).
*Drymaeus (Mesembrinus) dutaillyi*; Breure and Eskens 1981: 57, pl. 7 fig. 2; Simone 2006: 145, fig. 485.

**Type locality.** "Brazils".

**Label.** "Brazils Mon. Dutailly", taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 31, diam. 12 mill."; figured specimen herein H 30.8, D 12.5, W 7.1.

**Type material.** NHMUK 1975516, lectotype, Dutailly leg. (Cuming coll.).

**Remarks.** Simone (2006) erroneously had the shell height as 33.0 mm.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) dutaillyi* (Pfeiffer, 1857).

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**Bulimus dysoni** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_dysoni
Figs 62K–L, L19v

*Bulimus dysoni* Pfeiffer 1846b: 39; Pfeiffer 1848b: 183; Reeve 1849 [1848–1850]: pl. 62 fig. 425; Breure 1979: 62.
*Bulimulus dysoni*; Pilsbry 1897 [1897–1898]: 56, pl. 10 fig. 83.
*Bulimulus (Bulimulus) dysoni*; Breure 1974: 47, pl. 4 figs 4–5.

**Type locality.** "Honduras".

**Label.** "Honduras", taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

**Dimensions.** "Long. 20, diam. 9 1/2 mill."; figured specimen herein H 19.2, D 9.5, W 7.4.

**Type material.** NHMUK 1975453, three syntypes (Cuming coll.).

**Remarks.** The specimen figured by Reeve is damaged at the penultimate whorl.

**Current systematic position.** Bulimulidae, *Bulimulus dysoni* (Pfeiffer, 1846).

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**Bulimus edwardsi** Morelet, 1863
http://species-id.net/wiki/Bulimus_edwardsi
Figs 67C–D, 67L, L19vi

*Bulimus edwardsi* Morelet 1863: 182, pl. 9 fig. 1; Breure 1979: 88.
*Bulimulus edwardsi*; Pilsbry 1897 [1897–1898]: 27, pl. 7 figs 11–13.
**Type locality.** [Peru, Dept. Huancavelica] "le type (...) Huancabelica; la variété, (...) vallée de Huanta" [Dept. Ayacucho].

**Label.** "Pérou Huanta", taxon label ("var.") in Morelet’s handwriting.

**Dimensions.** "Longit. 29; diam. 12 mill."; figured specimen herein H 25.4, D 13.3, W 5.7.

**Type material.** NHMUK 1893.2.4.177–178, two syntypes (Morelet coll.).

**Remarks.** Morelet considered this to be a variable taxon and distinguished explicitly a smaller variety "Testa minor, (...)". Crawford (1939: 329) compared the two specimens in NHMUK to *Scutalus bicolor* (Sowerby, 1835), and expressed doubts whether the variety is identical to typical *edwardsi*; the typical form is considered by him as a synonym of *S. culmineus* (d’Orbigny, 1835). With the current material at hand we prefer to treat Morelet’s material as a geographical form. Weyrauch (1967a: 386) considers Morelet’s taxon as a subspecies of *S. culmineus*. This species is now placed in the genus *Kuschelenia* Hylton Scott, 1951.

**Current systematic position.** Bulimulidae, *Kuschelenia (K.) culmineus edwardsi* (Morelet, 1863) (comb. n.).

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**Bulimus effeminatus** Reeve, 1848

http://species-id.net/wiki/Bulimus_effeminatus

Figs 62A–B, L20i

*Bulimus effeminatus* Reeve 1848 [1848–1850]: pl. 51 fig. 338; Breure 1979: 62.  
*Bulimulus effeminatus*; Breure 1978: 143, pl. 9 figs 10–11 (lectotype designation).

**Type locality.** "—?".

**Label.** "Valley of the / Madeleine [= Río Magdalena, Colombia] / N. Grenada". M.C. label style IV, V.

**Dimensions.** Not given; figured specimen herein H 31.1, D 14.2, W 7.9.

**Type material.** NHMUK 1975508, lectotype; 1975509, two paralectotypes (Cuming coll.).

**Remarks.** This taxon was erroneously placed under *Drymaeus* by Richardson (1995: 119).

**Current systematic position.** Bulimulidae, *Bulimulus effeminatus* (Reeve, 1848).

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**Bulimus electrum** Reeve, 1848

http://species-id.net/wiki/Bulimus_electrum

Figs 22E, L20ii

*Bulimus electrum* Reeve 1848 [1848–1850]: pl. 56 fig. 373; Breure 1979: 118 (lectotype designation).

*Drymaeus electrum*; Pilsbry 1898 [1897–1898]: 310, pl. 41 fig. 36.  
*Drymaeus (Mesembrinus) electrum*; Breure and Eskens 1981: 57, pl. 7 fig. 3.
Type locality. "Venezuela".
Label. "Venezuela". M.C. label style IV, V.
Dimensions. Not given; figured specimen herein H 29.6, D 14.1, W 5.8.
Type material. NHMUK 1975510, lectotype; 1975511, two paralectotypes (Cuming coll.).
Remarks. The lectotype corresponds to Reeve’s original figure. The current systematic position is in accordance with Richardson (1995).
Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) electrum* (Reeve, 1848).

*Drymaeus elsteri* da Costa, 1901
http://species-id.net/wiki/Drymaeus_elsteri
Figs 33G–I, L20iii

*Drymaeus elsteri* da Costa 1901: 238, pl. 24 fig. 6; Pilsbry 1901 [1901–1902]: 156, pl. 48 fig. 53; Breure 1979: 108 (lectotype designation).

Type locality. "Chachapoyas, prov. Amazonas, Peru”.
Label. "Chacapoyas [sic]”, in da Costa’s handwriting.
Dimensions. "Long. 34, diam. 15 mm.”; figured specimen herein H 33.9, D 14.9, W 6.0.
Type material. NHMUK 1907.11.21.34, lectotype; 1907.11.21.35–36, two paralectotypes (da Costa coll.).
Remarks. da Costa indicated that he had several specimens at hand when describing this taxon. The lectotype chosen is closely matching the original measurements.
Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) elsteri* da Costa, 1901.

*Bulimus emaciatus* Morelet, 1863
http://species-id.net/wiki/Bulimus_emaciatus
Figs 3E, L20iv

*Bulimus emaciatus* Morelet 1863: 201, pl. 11 fig. 10; Breure 1979: 53.
*Bulimulus (Peronaeus) emaciatus*; Pilsbry 1896 [1895–1896]: 143, pl. 45 figs 27–28.
*Bostryx emaciatus*; Breure 1978: 74, fig. 101 (lectotype designation).

Type locality. [Peru] ”les vallées et sur les plateaux de l’intérieur de la Sierra, depuis Ayacucho jusqu’au Cuzco” (see remarks).
Label. ”Pérou”, taxon label in Morelet’s handwriting.
Dimensions. "Longit. 22, diam. 5 1/2 mill.”; figured specimen herein H 21.7, D 5.43, W 10.6.
Type material. NHMUK 1893.2.4.248–250, three paralectotypes (Morelet coll.).
Remarks. Breure (1978) upon selecting a lectotype from the MHNG collection, also fixated the type locality to Acobamba according to the label information of the specimen. Although there are several localities with that name in southern Peru, it is now assumed that it should be in Dept. Huancavelica [S -12.866667, W -74.566667], given the context of the other localities mentioned in Breure (1978). The current systematic position follows Richardson (1995: 23).

Current systematic position. Bulimulidae, *Bostryx emaciatus* (Morelet, 1863).

*Bulimus erectus* Reeve 1849
http://species-id.net/wiki/Bulimus_erectus
Figs 60G–H, L20v

*Bulimus erectus* Reeve 1849 [1848–1850]: pl. 58 fig. 392; Pfeiffer 1853d: 439.
*Bulimulus erectus*; Pilsbry 1897 [1897–1898]: 60, pl. 10 fig. 99.

Type locality. "Curiana, Venezuela".
Label. "Curiana, Venezuela". M.C. label style I, V.
Dimensions. Not given; figured specimen herein H 22.0 D 12.24 W 6.8.
Type material. NHMUK 20100516, three syntypes, Dyson leg. (Cuming coll.).
Remarks. Although none of the specimens exactly fits Reeve’s figure, they are regarded as possibly syntypes as they are originating from Dyson. See also *Bulimus cacticolus* Reeve, 1849.

Current systematic position. Bulimulidae, *Bulimus erectus* (Reeve, 1849).

*Bulimus erosus* Broderip in Broderip and Sowerby I 1832
http://species-id.net/wiki/Bulimus_erosus
Figs 7A, L20vi

*Bulimus erosus* Broderip in Broderip and Sowerby I 1832b: 106; Reeve 1848 [1848–1850]: pl. 22 fig. 140.
*Bulimulus (Liosoacme) erosus*; Pilsbry 1896 [1895–1896]: 160, pl. 49 fig. 34.

Type locality. "Peruviâ, Huantajaya near Iquiqui".
Label. "Peru", taxon label in Pfeiffer’s handwriting. M.C. label style I, V.
Dimensions. "long. 11/12, lat. 6/12 poll. [H 23.2, D 12.66 mm]”; figured specimen herein H 22.9, D 13.32, W 6.3.
Type material. NHMUK 20100612, five syntypes (Cuming coll.).
Remarks. Breure (1979: 136), not having seen any type material, considered this taxon doubtfully a *Bostryx* and listed it as nomen inquirendum. The specimen now found in the NHMUK collection confirms this classification and agrees with Richardson (1995: 24).

Current systematic position. Bulimulidae, *Bostryx erosus* (Broderip in Broderip and Sowerby I 1832).
**Bulimus erubescens** Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_erubescens
Figs 25D, L21i

*Bulimus erubescens* Pfeiffer 1847: 112; Reeve 1848 [1848–1850]: pl. 57 fig. 381; Breure 1979: 118 (lectotype designation).

*Drymaeus erubescens*; Pilsbry 1899: 9, pl. 13 fig. 89.

**Type locality.** "Locality unknown".

**Label.** "Jamaica", added in a later handwriting on the front of the cardboard. M.C. label style I, V.

**Dimensions.** "Long. 24, diam. 10 mill."; figured specimen herein H 24.2, D 9.74 W 6.3.

**Type material.** NHMUK 1975562, lectotype; 1975563, paralectotype (Cuming coll.).

**Remarks.** The lectotype corresponds to Pfeiffer’s original measurements and is figured in Reeve (1848 [1848–1850]). The locality is probably erroneous; the species is not listed in Rosenberg and Muratov (2005). This taxon is considered by Richardson (1995: 172) to be a synonym of *Drymaeus (Mesembrinus) rufescens* (J.E. Gray, 1825), described from Jamaica but with very poor diagnostic features. The locality of the latter taxon may also be in error; the type material of *Bulimus rufescens* Gray, 1825 has not been located and may be lost.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) (?) rufescens* (J.E. Gray, 1825).

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**Bulinus eschariferus** Sowerby I, 1838
http://species-id.net/wiki/Bulinus_eschariferus
Figs 74A, L21ii

*Bulinus eschariferus* Sowerby I 1838 [Sowerby I and II 1832–1841]: fig. 85.
*Bulimus eschariferus*; Reeve 1848 [1848–1850]: pl. 20 fig. 121.
*Bulimulus eschariferus*; Pilsbry 1897 [1897–1898]: 108, pl. 22 fig. 9.

**Type locality.** "Galapagos".

**Label.** "Chatham Is. / Galapagos", in E.A. Smith’s handwriting. M.C. label style III.

**Dimensions.** Not given. Figured specimen H 18.4, D 7.1, W 7.5.

**Type material.** NHMUK 1975153, one possible syntype (Cuming coll.).

**Remarks.** Sowerby did not state on how many specimens he based himself. The specimen found was figured by Reeve and the label is evidently based on the information given by him. The material is considered as possible syntype; see Breure and Ablett 2011: 2–12 for historical details on the Cuming collection and the relationship with Sowerby’s and Reeve’s taxa.

**Current systematic position.** Bulimulidae, *Naesiotus eschariferus* (Sowerby I, 1833).
**Bulimus excoriatus** Pfeiffer, 1855

http://species-id.net/wiki/Bulimus_excoriatus

Figs 58F–G, L21iii

*Bulimus excoriatus* Pfeiffer 1855g: 123; Breure 1979: 100. 
*Neopetraeus excoriatus*; Breure 1978: 215, pl. 3 fig. 2 (lectotype designation).

**Type locality.** "Andes of Peru (Captain Keppell)".
**Label.** "Andes of Peru", taxon label in Pfeiffer’s handwriting. M.C. label style IV.
**Dimensions.** "Long. 39, diam. 19 mill."; figured specimen herein H 38.4, D 25.2, W 6.2.
**Type material.** NHMUK 1975500, lectotype, Keppell leg. (Cuming coll.).
**Remarks.** The specimen is subadult and aged; it is possibly a synonym of *Neopetraeus catamarcanus* (Pfeiffer, 1858), in which case *N. excoriatus* would have priority.
**Current systematic position.** Bulimulidae, *Neopetraeus excoriatus* (Pfeiffer, 1855).

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**Bulimus exornatus** Reeve, 1849

http://species-id.net/wiki/Bulimus_exornatus

Fig. L21iv

*Bulimus exornatus* Reeve 1849 [1848–1850]: pl. 77 fig. 560; Breure 1979: 69 (lectotype designation).

*Bulimulus (Lissoacme) exornatus*; Pilsbry 1896 [1895–1896]: 171, pl. 50 fig. 55.

**Type locality.** "Chilon, Bolivia" [Dept. Santa Cruz].
**Label.** "Bolivia". M.C. label style I, V.
**Dimensions.** Not given; lectotype H 13.1, D —, W 5.5.
**Type material.** NHMUK 1975331, lectotype (Cuming coll.).
**Remarks.** The lectotype was damaged when it was returned from a loan in 1988; the remaining shell is too fragile to be figured herein. The lot consisted of a second specimen (1975332), which appears to be a juvenile *Drymaeus* species; this specimen is now excluded as type material.
**Current systematic position.** Bulimulidae, *Naesiotus exornatus* (Reeve, 1849).

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**Drymaeus exoticus** da Costa, 1901

http://species-id.net/wiki/Drymaeus_exoticus

Figs 33D–F, L21v

*Drymaeus exoticus* da Costa 1901: 239, pl. 24 fig. 10; Pilsbry 1901 [1901–1902]: 156, pl. 48 fig. 52; Breure 1979: 109; Linares and Vera 2012: 185.
Type locality. "The hot country, Upper Magdalena River, Colombia".

Label. "hot country / Columbia", taxon label in da Costa’s handwriting.

Dimensions. "Long. 23.5, diam. 11 mm."; figured specimen herein H 24.8, D 12.2, W 6.1.

Type material. NHMUK 1907.11.21.38, lectotype (da Costa coll.).

Remarks. This material was considered as holotype by Breure (1979). However, da Costa did not state on how many specimens his description was based. Breure (unpublished data) found another specimen in the Dautzenberg collection with a label in da Costa’s handwriting, but without enough evidence to consider it a type specimen. However, it cannot be excluded that da Costa had more than one specimen at hand; according to Art. 74.6 ICZN, the NHMUK specimen should be considered as a lectotype.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) exoticus (da Costa, 1901).

Bulimulus (Drymaeus) expatriatus Preston, 1909
http://species-id.net/wiki/Bulimulus_expatriatus
Figs 51A–C, L21vi

Bulimulus (Drymaeus) expatriatus Preston 1909: 510, pl. 10 fig. 4; Breure 1979: 109 (lectotype designation).

Drymaeus (Drymaeus) expatriatus; Breure and Eskens 1981: 21.

Type locality. "E. Bolivia".

Label. "E. Bolivia", taxon label in Preston’s handwriting.

Dimensions. "Alt. 28, diam. maj. 11.5 mm"; figured specimen herein H 28.1, D 11.5, W 7.0.

Type material. NHMUK 1975201, lectotype; 1915.1.6.43, one paralectotype (ex Preston).

Remarks. The paralectotype is a juvenile shell.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) expatriatus (Preston, 1909).

Bulimus fabrefactus Reeve, 1848
http://species-id.net/wiki/Bulimus_fabrefactus
Figs 38D–F, L22i

Bulimus fabrefactus Reeve 1848 [1848–1850]: pl. 49 fig. 319; Breure 1979: 109 (lectotype designation).

Drymaeus fabrefactus; Pilsbry 1898 [1897–1898]: 260, pl. 40 fig. 5; Linares and Vera 2012: 185.

Drymaeus (Drymaeus) fabrefactus; Breure and Eskens 1981: 22, pl. 5 fig. 4.
Type locality. [Venezuela] "Province of Merida, New Granada."
Label. "New Granada”. M.C. label style I, V.
Dimensions. Not given; figured specimen herein H 38.5, D 16.5, W 7.2.
Type material. NHMUK 1975531, lectotype (Cuming coll.).
Remarks. Linares and Vera (2012) have a number of specific localities for this taxon within Colombia.
Current systematic position. Bulimulidae, Drymaeus (Drymaeus) fabrefactus (Reeve, 1848).

_Bulimus fallax_ Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_fallax
Figs 26D–F, L21vii

_Bulimus fallax_ Pfeiffer 1853d: 375; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 98, pl. 32 figs 5–6.
_Drymaeus fallax_; Pilsbry 1898 [1897–1898]: 239, pl. 33 figs 43–44.

Type locality. [Ecuador] "Tunguragua reipublicae Equatoris (Bourcier)."
Label. "Tunguragua / Equador / Mons' Boissier [sic] / Consul General", taxon label in Pfeiffer’s handwriting. M.C. label style IV.
Dimensions. "Long. 24, diam. 12 mill.”; figured specimen herein H 22.4, D 13.8, W 5.7.
Type material. NHMUK 1969142, lectotype and one paralectotype, Bourcier leg. (Cuming coll.).
Remarks. Given the label, there is no doubt that this material was part of the type series. One specimen is now designated lectotype (design. n.) to define this poorly understood taxon.
Current systematic position. Bulimulidae, Drymaeus (Drymaeus) fallax (Pfeiffer, 1853).

_Bulimus farrisi_ Pfeiffer, 1858
http://species-id.net/wiki/Bulimus_farrisi
Figs 45J–L, L22ii

_Bulimus farrisi_ Pfeiffer 1858a: 258, pl. 42 fig. 8; Breure 1979: 109 (lectotype designation).
_Drymaeus farrisi_; Pilsbry 1898 [1897–1898]: 268, pl. 47 fig. 6.
_Drymaeus (Drymaeus) farrisi_; Breure and Eskens 1981: 22.

Type locality. "Province of Patas, Andes of Peru (Dr. Farris).”
Label. "Province of Patas, / Andes of Peru / Dr. Farris”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.
Dimensions. "Long. 47, diam. 16 mill."; figured specimen herein H 46.8, D 18.4, W 7.2.

Type material. NHMUK 1975506, lectotype; 1975507, three paralectotypes, Farris leg. (Cuming coll.).

Remarks. Breure and Eskens (1981) stated they had seen four paralectotypes. Lot NHMUK 1975509 seems to be missing.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) farrisi (Pfeiffer, 1858).

Bulimus felix Pfeiffer, 1862
http://species-id.net/wiki/Bulimus_felix
Figs 45D–F, L22iii

Bulimus felix Pfeiffer 1862: 387, pl. 37 fig. 2.
Drymaeus felix; Pilsbry 1898 [1897–1898]: 211, pl. 35 fig. 20; Linares and Vera 2012: 185 [partim].

Type locality. "New Granada".

Label. "New Granada", taxon label in Pfeiffer’s handwriting. M.C. label style III.

Dimensions. "Long. 33, diam. 13 mill."; lectotype H 34.0, D 14.8, W 6.2.

Type material. NHMUK 1975206, lectotype and three paralectotypes (Cuming coll.).

Remarks. Pfeiffer did not state on how many specimens his description was based. A lot with four specimens was found, which is considered as type material. The specimen marked with ‘x’ has been selected as lectotype (design. n.) to define this often confused taxon.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) felix (Pfeiffer, 1862).

Bulimus fenestratus Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_fenestratus
Figs 51J–L, L22iv

Bulimus fenestratus Pfeiffer 1846a: 29; Pfeiffer 1848b: 101; Reeve 1848 [1848–1850]: pl. 36 fig. 214; Breure 1979: 109 (lectotype designation).
Drymaeus (Drymaeus) fenestratus; Pilsbry 1899: 34, pl. 7 fig. 11.
Drymaeus (Drymaeus) fenestratus; Breure and Eskens 1981: 22, pl. 5 fig. 2; Thompson 2011: 110.

Type locality. "Mexico".

Label. "Mexico", taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

Dimensions. "Long. 45, diam. 18 mill."; figured specimen herein H 44.0, D 20.3, W 6.6.
Type material. NHMUK 1975525, lectotype (Cuming coll.).
Remarks. The current systematic position follows Thompson (2011).
Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) fenestratus* (Pfeiffer, 1846).

*Bulimus feriatus* Reeve, 1848
http://species-id.net/wiki/Bulimus_feriatus
Figs 17I–K, L22vi

*Bulimus feriatus* Reeve 1848 [1848–1850]: pl. 54 fig. 354; Pfeiffer 1853d: 323; Breure 1979: 118 (lectotype designation).
*Drymaeus feriatus*; Pilsbry 1898 [1897–1898]: 203, pl. 34 fig. 10.
*Drymaeus (Mesembrinus) feriatus*; Breure and Eskens 1981: 26.

Type locality. ”Venezuela”.
Label. No locality label. M.C. label style III, V.
Dimensions. Not given; figured specimen herein H 29.4, D 12.1, W 6.0.
Type material. NHMUK 1975204, lectotype; 1975205, two paralectotypes (Cuming coll.).
Remarks. The current systematic position follows Richardson (1995: 126).
Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) feriatus* (Reeve, 1848).

*Naesiotus (Maranboniellus) fernandezae* Weyrauch, 1958
http://species-id.net/wiki/Naesiotus_fernandezae
Fig. 12H

*Naesiotus (Maranboniellus) fernandezae* Weyrauch 1958: 122, pl. 9 figs 45–46; Breure 1979: 69; Neubert and Janssen 2004: 209, pl. 10 fig. 111; Breure 2012a: 8.

Type locality. [Peru, Dept. Amazonas] ”Interandines Nord-Peru, auf rechter Seite des Río Marañon, bei Balsas, 850 m”.
Label. ”N-Peru: Balsas, Rio Marañon, 850 m, leg. B. Fernandez”, printed label.
Dimensions. ”H. 16.0 D. 3.4”; figured specimen herein H 15.1, D 3.3, W 8.1.
Type material. NHMUK 19831, one paratype (ex Weyrauch).
Current systematic position. Bulimulidae, *Naesiotus fernandezae* Weyrauch, 1958.
**Bulimus ferrugineus** Reeve, 1849  
http://species-id.net/wiki/Bulimus_ferrugineus  
Figs 9D, L22v

*Bulimus ferrugineus* Reeve 1849 [1848–1850]: pl. 62 fig. 424; Pfeiffer 1853d: 416; Breure 1979: 53.  
*Bulimulus ferrugineus*; Pilsbry 1897 [1897–1898]: 29, pl. 9 fig. 37.  
*Bostryx ferrugineus*; Breure 1978: 77 (lectotype designation).

**Type locality.** "Peru".  
**Label.** "Peru". M.C. label style V.  
**Dimensions.** Not given; figured specimen herein H 19.0, D 10.7, W 5.4.  
**Type material.** NHMUK 1975380, lectotype; 1975381, two paralectotypes (Cuming coll.).  
**Remarks.** All type material is subadult; the two paralectotypes are relatively bigger, with the largest having a shell height of 26.4 mm. The current systematic position follows Richardson (1995: 25).  
**Current systematic position.** Bulimulidae, *Bostryx ferrugineus* (Reeve, 1849).

**Bulimus fidustus** Reeve, 1849  
http://species-id.net/wiki/Bulimus_fidustus  
Figs 23G–H, L23i

*Bulimus fidustus* Reeve 1849 [1848–1850]: pl. 76 fig. 557; Breure 1979: 119 (lectotype designation).  
*Drymaeus fidustus*; Pilsbry 1898 [1897–1898]: 308, pl. 50 fig. 95; Linares and Vera 2012: 194.  
*Drymaeus* (*Mesembrinus*) *fidustus*; Breure and Eskens 1981: 69.

**Type locality.** [Colombia, Dept. Putumayo / Ecuador, Prov. Napo] "Sebundoi, New Granada".  
**Label.** "Sebundoi / New Granada". M.C. label style I, V.  
**Dimensions.** Not given; figured specimen herein H 22.5, D 11.4, W 6.8.  
**Type material.** NHMUK 1975517, lectotype; 1975518, one paralectotype (Cuming coll.).  
**Remarks.** The lip of the lectotype is slightly damaged.  
**Current systematic position.** Bulimulidae, *Drymaeus* (*Mesembrinus*) *fidustus* (Reeve, 1849).
**Bulimus filaris** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_filaris
Figs 70C–D, 70L, L23ii

*Bulimus filaris* Pfeiffer 1853d: 653; Pfeiffer 1854e: 50; Breure 1979: 86.

**Type locality.** Not given.

**Label.** No locality given, taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long 26, diam. 12 mill."; figured specimen herein H 25.1, D 12.3, W 5.6.

**Type material.** NHMUK 1975569, two syntypes (Cuming coll.).

**Remarks.** Pfeiffer did not state on how many specimens his description was based. On the label a note is added by a later hand "same as one of / Morelet"; it is unclear to us to what taxon this refers. The current systematic position at the species level follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Kuschelenia (Vermiculatus) filaris* (Pfeiffer, 1853) (*comb. n.*).

**Bulimus (Liostracus) flavidulus** E.A. Smith, 1877
http://species-id.net/wiki/Bulimus_flavidulus
Figs 24A, L23iii

*Bulimus (Liostracus) flavidulus* E.A. Smith 1877: 364, pl. 39 fig. 3; Breure 1979: 119 (lectotype designation).

*Drymaeus (Mesembrinus) flavidulus*; Breure and Eskens 1981: 70; Breure and Borrero 2008: 24.

**Type locality.** [Ecuador, Prov. El Oro] "Zaruma, South Ecuador".

**Label.** "Zaruma, S. Ecuador", taxon label in Smith’s handwriting.

**Dimensions.** "Long. 21 mill, diam. 9"; figured specimen herein H 21.4, D 9.4, W 7.1.

**Type material.** NHMUK 1975134, lectotype; 1877.3.28.5, two paralectotypes.

**Remarks.** The lip of the lectotype is slightly damaged.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) flavidulus* (E.A. Smith, 1877).

**Bulimus flexilabris** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_flexilabris
Figs 49J–L, L23iv

*Bulimus flexilabris* Pfeiffer 1853d: 652; Pfeiffer 1854e: 50; Breure 1979: 109 (lectotype designation).

*Drymaeus flexilabris*; Simone 2006: 137, fig. 451.

*Drymaeus (Drymaeus) bivittatus* (Sowerby I, 1833); Breure and Eskens 1981: 10.
Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea)...

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Type locality. "in Brasilia".

Label. "Brazil", taxon label in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. "Long. 28, diam. 12 1/2 mill."; figured specimen herein H 27.1, D 13.8, W 7.1.

Type material. NHMUK 1975559, lectotype (Cuming coll.).

Remarks. This taxon is a junior subjective synonym of Drymaeus bivittatus (Sowerby I, 1833), of which the type material has not been traced in the NHMUK collection.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) bivittatus (Sowerby I, 1833).

Bulimus flexuosus Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_flexuosus
Figs 34A–C, L23v

Bulimus flexuosus Pfeiffer 1853d: 329; Pfeiffer 1854b: 136; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 244, pl. 65 figs 6–7; Breure 1979: 109 (lectotype designation).
Drymaeus flexuosus; Linares and Vera 2012: 186 [partim].
Drymaeus (Drymaeus) flexuosus; Breure and Eskens 1981: 26, pl. 5 fig. 3.

Type locality. [Colombia, Dept. Caldas] "Marinato [sic, Marmato] Novae Granadae".

Label. "Marinata / New Grenada", taxon label in Pfeiffer’s handwriting. M.C. label style III.

Dimensions. "Long. 40, diam. 14 mill."; figured specimen herein H 43.0, D 20.0, W 7.2.

Type material. NHMUK 1975202, lectotype; 1975203, two paralectotypes (Cuming coll.).

Remarks. This taxon is restricted to the Central Cordillera in Colombia and has partly been confused with other Drymaeus species (Breure and Borrero, unpublished data).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) flexuosus (Pfeiffer, 1853).

Bulimus floridanus Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_floridanus
Figs 19H, L24i

Bulimus floridanus Pfeiffer 1857c: 330; Breure 1979: 119 (lectotype designation).
Drymaeus (Mesembrinus) dominicus (Reeve)[sic]; Breure and Eskens 1981: 55.

Type locality. [U.S.A.] "Florida".

Label. "Florida", taxon label in Pfeiffer’s handwriting. M.C. label style III.

Dimensions. "Long. 15 2/3–17, diam. 7 1/2 mill."; figured specimen herein H 16.7, D 8.0, W 6.2.
Type material. NHMUK 1975199, lectotype; 1975200, one paralectotype (Cuming coll.).

Remarks. This taxon was considered by Richardson (1995: 190) as a junior subjective synonym of Drymaeus umbraticus (Reeve, 1850), of which the type material also is present in the NHMUK collection (see page 201); this classification is here followed.

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) umbraticus (Reeve, 1850).

Bulimus fontainii d’Orbigny, 1838
http://species-id.net/wiki/Bulimus_fontainii
Figs 16H, L24ii

Bulimus fontainii d’Orbigny 1838 [1834–1847]: 273.
Bulimulus fontainii; Breure and Borrero 2008: 10.

Type locality. [Ecuador, Prov. Guayas] "environs de Guayaquil".

Label. "Guayaquil", label in d’Orbigny’s handwriting.

Dimensions. "Longueur totale, 13 millimètres; largeur 6 millimètres"; figured specimen herein H 13.2, D 6.4, W 8.5.

Type material. NHMUK 1854.12.4.165, lectotype (d’Orbigny coll.).

Remarks. d’Orbigny did not state on how many specimens his description was based. The single specimen found in his collection matches the dimensions given, and is here designated lectotype (design. n.). The weak axial sculpture of the protoconch makes us considering this taxon to belong to Naesiotus sensu Breure 1979, awaiting further studies of this group.

Current systematic position. Bulimulidae, Naesiotus fontainii (d’Orbigny, 1838) (comb. n.).

Bulimus fourmiersi d’Orbigny, 1837
http://species-id.net/wiki/Bulimus_fourmiersi
Figs 16I, L24iii

Bulimus fourmiersi d’Orbigny 1837 [1834–1847]: 273, pl. 30 figs 12–14 [3 April 1837; text 23 April 1838].

Type locality. [Argentina] "la province de Corrientes, non loin du Rio de Santa-Lucia, au lieu nommé Pasto reito”; see Breure 1973: 133.

Label. "corrientes Rep. argentina”, in d’Orbigny’s handwriting.

Dimensions. "Long. 11 millim., lat. 7 millim.”; see remarks.

Type material. NHMUK 1854.12.4.210, lectotype (d’Orbigny coll.).

Remarks. The single specimen is severely damaged, and only the upper whorls are retained. The original figures of d’Orbigny, which are herein designated as lec-
totype (design. n.), are figured instead of the type specimen. The protoconch sculpture suggests this taxon to belong to *Naesiotus*; more detailed studies are needed to corroborate this classification. According to the collation data the figures were published in 1837, the text in 1838 (Coan et al. 2013a). Miquel (1989a: 2) considered it as "sp. inquirenda"; Cuezzo et al. (2013: 151) classified it with *Bulimulus* Leach, 1814.

**Current systematic position.** Bulimulidae, *Naesiotus fourmiersi* (d’Orbigny, 1837).

*Bulimus fucatus* Reeve, 1849
http://species-id.net/wiki/Bulimus_fucatus
Figs 45G–I, L24v

*Bulimus fucatus* Reeve 1849 [1848–1850]: pl. 83 fig. 615; Breure 1979: 109 (lectotype designation).

**Type locality.** [Colombia] "Sebundoi, New Granada".

**Label.** "New Granada".

**Dimensions.** Not given; figured specimen herein H 23.5, D 11.1, W 6.2.

**Type material.** NHMUK 1874.12.11.224, lectotype, ex Mrs. T. Lombe-Taylor.

**Remarks.** Reeve did not state on how many specimens his description was based. The distribution of this species in Colombia needs further evidence (Breure and Borrero, unpublished data).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) fucatus* (Reeve, 1849).

*Bulimus (Liostracus) fuscobasis* E.A. Smith, 1877
http://species-id.net/wiki/Bulimus_fuscobasis
Figs 24B, L24vi

*Bulimus (Liostracus) fuscobasis* E.A. Smith 1877: 365, pl. 39 fig. 6; Breure 1979: 119 (lectotype designation).

**Type locality.** "Tarapoto, Andes of Peru, Mr. Spruce (Mus. Cuming)"

**Label.** "Tarapoto, Andes of Peru / Mr. Spruce"; taxon label in Smith’s handwriting. M.C. label style III.

**Dimensions.** "Longit. 29 mill., diam. 12"; figured specimen herein H 28.7, D 12.3, W 8.2.

**Type material.** NHMUK 1975139, lectotype; 1975140, one paralectotype, Spruce leg. (Cuming coll.).
Remarks. The specimen selected lectotype by Breure (1979) is marked with a red dot. The specimens were accompanied by a label "holotype"; however, the original label clearly states "types" and it is not clear whom has attached the (subsequent?) label "holotype". Smith described the species from "two specimens".

Current systematic position. Bulimulidae, _Drymaeus_ (Mesembrinus) _fuscobasis_ (E.A. Smith, 1877).

_Helix fusoides_ d’Orbigny, 1835
[http://species-id.net/wiki/Helix_fusoides](http://species-id.net/wiki/Helix_fusoides)
Figs 29D–F, L24iv

_Helix fusoides_ d’Orbigny 1835: 19.
_Bulimus fusoides_ d’Orbigny 1837 [1834–1847]: 315, pl. 40 figs 12–13 [18 Sept. 1837; text 6 May 1838].
_Drymaeus fusoides_; Pilsbry 1898 [1897–1898]: 201, pl. 38 figs 17–18.

Type locality. "provincia Yungacensi (republica Boliviana)”

Label. "Yunga... ..olivia”; in d’Orbigny’s handwriting.

Dimensions. "Longit. 4 centim., latit. 1 centim. 4 millim." (corrected to "Long. 40 millim., lat. 15 millim.” in d’Orbigny 1837); figured specimen herein H 24.6, D —, W 5.4.

Type material. NHMUK 1854.12.4.133, one paralectotype.

Remarks. d’Orbigny did not state on how many specimens his description was based. The type locality was specified in d’Orbigny 1838 [1834-1847]: 316 as "près du lieu dit Yunga de la Palma” (see Breure 1973: 117, 132). Breure (1975: 1151) has selected a lectotype from the material found in MNHN. The specimen in London has lost the lower part of the last whorl and moreover does not correspond to d’Orbigny 1837 [1834-1847]: pl. 40 figs 12-13. The current systematic position follows Richardson (1995: 128).

Current systematic position. Bulimulidae, _Drymaeus_ (Drymaeus) _fuscoides_ (d’Orbigny, 1835).

_Bulimus gabbi_ Angas, 1879
[http://species-id.net/wiki/Bulimus_gabby](http://species-id.net/wiki/Bulimus_gabby)
Figs 24L, L24vii

_Bulimus gabbi_ Angas 1879: 477, pl. 40 fig. 3; Breure 1979: 119 (lectotype designation).
_Drymaeus gabbi_; Pilsbry 1899: 70, pl. 6 figs 7–9, 11.
_Drymaeus_ (Mesembrinus) _gabby_; Thompson 2011: 117.

Type locality. [Costa Rica, Prov. Limón, Cerro Kámuk] ”flanks of Pico Blanco, at an altitude from 3000 to 6000 feet [914–1828 m]”. 
Label. "flanks / of Pico Blanco / 3–6000 ft / Costa Rica".

Dimensions. "Diam. 7, alt. 10 1/2 lin. [H 22.2, D 14.8 mm]"; figured specimen herein H 20.6, D 12.06, W 4.7.

Type material. NHMUK 1879.7.22.23, lectotype; 1879.7.22.24–26, three paralectotypes, Gabb leg. (ex Angas).

Remarks. Angas did not state on how many specimens his description was based; he distinguished three varieties, which differ in their colour pattern. The lectotype corresponds to Angas’ right-hand sided figure. The current systematic position follows Thompson (2011).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) gabbi (Angas, 1879).

Bulimus galapaganus Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_galapaganus
Figs 14H, L24viii

Bulimus galapaganus Pfeiffer 1855a: 58; Pfeiffer 1859b: 503; Breure 1979: 69 (lectotype designation).

Type locality. [Ecuador] "Galapagos Islands".

Label. "Galapagos Islds", taxon label in Pfeiffer’s handwriting. M.C. label style III.

Dimensions. "Long. 15 1/2, diam. 6 mill."; figured specimen herein H 15.1, D 6.28, W 7.6.

Type material. NHMUK 1975146, lectotype; 1975147, one paralectotype (Cuming coll.).

Remarks. The current systematic position follows Richardson (1995: 220).

Current systematic position. Bulimulidae, Naesiotus galapaganus (Pfeiffer, 1855).

Bulimus gayi Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_gayi
Figs 67E–F, 67M, L25i

Bulimus gayi Pfeiffer 1857d: 389; Breure 1979: 88.
Scutalus (Kuschelenia) gayi; Breure 1978: 177 (lectotype designation).

Type locality. "Bolivia".

Label. "Bolivia", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 27, diam. 16 mill."; figured specimen herein H 27.7, D 16.2, W 5.8.

Type material. NHMUK 1975382, lectotype; 1975383, one paralectotype (Cuming coll.).
Remarks. This taxon is now transferred to the genus *Kuschelenia* Hylton Scott, 1952.

**Current systematic position.** Bulimulidae, *Kuschelenia (K.) gayi* (Pfeiffer, 1857) (**comb. n.**).

*Bulimus (Mesembrinus) gealei* H. Adams, 1867

http://species-id.net/wiki/Bulimus_gealei

Figs 51G–I, L25iii

*Bulimus (Mesembrinus) gealei* H. Adams 1867b: 309, pl. 19 fig. 21.

**Type locality.** ”Mexico. Collected by Mr. Boucard”.

**Label.** ”Mexico”.

**Dimensions.** ”Long. 29, diam. 14 mill.”; figured specimen herein H 26.4, D 13.4, W 6+.

**Type material.** NHMUK 1867.1.9.20, lectotype and two paralectotypes; 1867.1.9.21, three paralectotypes, ex Geale.

**Remarks.** One of the specimens corresponds to Adams 1867b: pl. 19 fig. 21 and is here selected lectotype (**design. n.**) to fixate this taxon; it has the top whorls slightly damaged. According to the register the specimens were purchased from Mr R. Geale; the label does not mention the name Boucard. Köhler (2007: 145, fig. 90) selected a lectotype (ZMB 4457a) for the senior subjective synonym *Bulimulus (Scutalus) fenestrellus* Martens, 1864.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) fenestrellus* (Martens, 1864).

*Bulimus gelidus* Reeve, 1849

http://species-id.net/wiki/Bulimus_gelidus

Figs 62C–D, L25ii

*Bulimus gelidus* Reeve 1849 [1848–1850]: pl. 76 fig. 555; Breure 1978: 142; Breure 1979: 62 (lectotype designation); Miquel 1991: 98, fig. 25.

*Bulimulus gelidus*; Breure 2008: 245, figs 6–7 [not 8]; see remarks.

**Type locality.** ”Central America”.

**Label.** ”C. America”. M.C. label style I, V.

**Dimensions.** Not given; figured specimen herein H 32.5, D 15.0, W 7.7.

**Type material.** NHMUK 1975402, lectotype (Cuming coll.).

**Remarks.** On the back of the cardboard a handwriting in pencil has noted ”seems to be the same as monte-vidensis Pfr.”. Miquel (1991) placed this taxon is the synonymy of *Syphalomphix bonariensis* Rafinesque, 1833, a species from Argentina. How-
ever, it must be noted that most Bulimus species are very similar and often hard to
tell apart. Reconsidering the identification made in Breure (2008), we now disagree
with him, as the Ecuadorian shells have different dimensions, and the last whorl is less
globose than in the lectotype of Bulimus gelidus. The locality on the label may be er-
roneous, and Reeve’s taxon is herein considered as nomen in inquirendum.

**Current systematic position.** Bulimulidae, *Bulimus*. Nomen in inquirendum.

*Bulimus geometricus* Pfeiffer, 1846

http://species-id.net/wiki/Bulimus_geometricus

Figs 46J–L, L25iv

*Bulimus geometricus* Pfeiffer 1846c: 84; Pfeiffer 1848b: 59; Reeve 1848 [1848–1850]:
pl. 44 fig. 278; Breure 1979: 109 (lectotype designation).

*Drymaeus geometricus*; Linares and Vera 2012: 187.

*Drymaeus (Drymaeus) geometricus*; Breure and Eskens 1981: 27, pl. 8 fig. 2.

**Type locality.** [Colombia] ”Vallis Magdalenae Novae Granadae”.

**Label.** ”Valley of the Madelein / New Granada”, taxon label in Pfeiffer’s handwrit-
ing. M.C. label style IV, V.

**Dimensions.** ”Long. 35, diam. 13 mill.”; figured specimen herein H 34.6, D 18.0,
W 6.9.

**Type material.** NHMUK 1975564, lectotype; 1975565, two paralectotypes
(Cuming coll.).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) geometricus*
(Pfeiffer, 1846).

*Bostryx (Bostryx) zilchi glomeratus* Weyrauch, 1960

http://species-id.net/wiki/Bostryx_zilchi_gomeratus

Fig. 3I

*Bostryx (Bostryx) zilchi glomeratus* Weyrauch 1960b: 124, pl. 12 figs 29–34; Neubert
and Janssen 2004: 210, pl. 3 fig. 35; Breure 2012a: 8.

**Type locality.** ”Mittel-Peru: Quichao, 5 km von Laraos, am Fusspfad nach Yauyos, im
Tale des Río Cañete und auf der linken Seite des Río Mayo, 3500 m”.

**Label.** ”C-Peru, Quichao, 5 kms. from Laraos, valley of Río Cañete, 3500 m”; printed label.

**Dimensions.** ”H. 19.5, D. 6.5”; figured specimen herein H 18.6, D 6.1, W 7.7.

**Type material.** NHMUK 1975154, five paratypes, ex Weyrauch (WW 3320).

**Current systematic position.** Bulimulidae, *Bostryx zilchi* Weyrauch, 1958.
Scutalus grandiventris Weyrauch, 1960
http://species-id.net/wiki/Scutalus_grandiventris
Fig. 65H

Scutalus grandiventris Weyrauch, 1960a: 42, pl. 5 figs 27–33; Neubert and Janssen 2004: 211, pl. 12 fig. 140; Breure 2012a: 8.

Type locality. ”N-Peru, am Westhang der westlichen Anden, oberhalb Cascas ± 100 km nö. Trujillo und Cajamarca (1400 m)”.
Label. ”N-Peru: Cascas, 1400 m”; printed label.
Dimensions. ”H. 53.0, D. 29.7”; figured specimen herein H 54.2 D 29.1 W 7.0.
Type material. NHMUK 1975386, two paratypes, ex Weyrauch (WW 1364).
Current systematic position. Bulimulidae, Scutalus grandiventris Weyrauch, 1960.

Bulimus gruneri Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_gruneri
Figs 24E, L25vii

Bulimus gruneri Pfeiffer 1846a: 30; Pfeiffer 1848b: 213; Reeve 1849 [1848–1850]: pl. 51 fig. 332.

Type locality. ”Mexico”.
Label. ”Mexico”, added in a later handwriting. M.C. label style I, V.
Dimensions. ”Long. 28, diam. 10 mill.”; figured specimen herein H 27.8, D 10.5, W 7.3.
Type material. NHMUK 20100563/1, lectotype; NHMUK 20100563/2–3, two paralectotypes; NHMUK 20100562, three paralectotypes (Cuming coll.).
Remarks. The quotation by Richardson (1995: 196) of 1842 as the year of publication of Bulimus gruneri appears erroneous, as Pfeiffer does not mention this taxon until his 1846 paper. Two lots have been traced, one of which contains a specimen closest matching the original dimensions; this specimen is here designated lectotype (design. n.) to define the taxon. The other lot contains one specimen resembling Reeve 1848 [1848–1850]: pl. 51 fig. 332. The locality ”Mexico” seems in error, as this taxon has been recognised as a Colombian species (Breure and Borrero, unpublished data) and is now considered as a junior subjective synonym of Bulimus columbianus Lea, 1838 (syn. n.).
Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) columbianus (Lea, 1838).
**Bulimus gueinzii** Pfeiffer, 1857  
http://species-id.net/wiki/Bulimus_gueinzii  
Figs 30M–O, L25vi

*Bulimus gueinzii* Pfeiffer 1857c: 330; Breure 1979: 109 (lectotype designation).  
*Drymaeus (Drymaeus) gueinzii*; Breure and Eskens 1981: 27, pl. 6 fig. 8.

**Type locality.** "Meobamba, Peru (Mr Gueinzius)".  
**Label.** "Meobamba", taxon label in Pfeiffer’s handwriting. M.C. label style I.  
**Dimensions.** "Long. 23, diam. 10 mill.”; figured specimen herein H 23.2, D 10.9, W 6.0.  
**Type material.** NHMUK 1975539, lectotype, Gueinzius leg. (Cuming coll.).  
**Remarks.** The current systematic position follows Richardson (1995: 134).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) gueinzii* (Pfeiffer, 1857).

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**Bulinus guttatus** Broderip, 1832  
http://species-id.net/wiki/Bulinus_guttatus  
Figs 7E, L26i

*Bulinus guttatus* Broderip in Broderip and Sowerby I 1832a: 31.  
*Bulinus guttatus*; Reeve 1848 [1848–1850]: pl. 22 fig. 144.

**Type locality.** [Chile] "Peruviâ. (Cobija or Puerto De la Mar)".  
**Label.** "Bolivia, S. America”, added in a later handwriting. M.C. label style III, V.  
**Dimensions.** “long. 7/8, lat. 3/8 poll. [H 22.1, D 9.5 mm]”; figured specimen herein H 22.0, D —, W 6.2.  
**Type material.** NHMUK 20110175, five possible syntypes (Cuming coll.).  
**Remarks.** The type locality is now part of Chile, but during the 19th century has also been part of Bolivia and Peru. This taxon has been treated as nomen inquirendum by Breure (1979). Of the five specimens, two are subadult or juvenile. One specimen corresponds to Reeve 1848 [1848–1850]: pl. 22 fig. 144, and is damaged both at the lip and on the dorsal side of the last whorl.

**Current systematic position.** Bulimulidae, *Bostryx guttatus* (Broderip in Broderip and Sowerby I 1832).
**Bulimus hachensis** Reeve, 1850  
http://species-id.net/wiki/Bulimus_hachensis  
Figs 19K–L, L26ii

*Bulimus hachensis* Reeve 1850 [1848–1850]: pl. 85 fig. 627; Pfeiffer 1853d: 421; Breure 1979: 119 (lectotype designation).  
*Drymaeus hachensis*; Pilsbry 1899: 90, pl. 12 fig. 20; Linares and Vera 2012: 195.  
*Drymaeus (Mesembrinus) hachensis*; Breure and Eskens 1981: 71.

**Type locality.** "Guatemala, banks of the Rio Hacha".

**Label.** "Rio Hacha, Guatemala". M.C. label style I, V.

**Dimensions.** Not given; figured specimen herein H 26.4, D 11.3, W 7.7.

**Type material.** NHMUK 1975392, lectotype (Cuming coll.).

**Remarks.** Reeve did not state on how many specimens his description was based. We consider this taxon to be a junior subjective synonym of *Bulimus columbianus* Lea, 1838 (*syn. n.*), which is partly based on unpublished data of Breure and Borrero.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) columbianus* (Lea, 1838).

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**Bulimus hamiltoni** Reeve, 1849  
http://species-id.net/wiki/Bulimus_hamiltoni  
Figs 1F, L26iii

*Bulimus hamiltoni* Reeve 1849 [1848–1850]: pl. 83 fig. 610; Pfeiffer 1853d: 429.  
*Bulimulus (Peronaeus) hamiltoni*; Pilsbry 1896 [1895–1896]: 149, pl. 46 fig. 51.  
*Bostryx hamiltoni*; Breure 1978: 80 (lectotype designation).

**Type locality.** "Near the Lake of Titicaca, Bolivia".

**Label.** "Bolivia". A second label indicates "appartient [?] à Mr Pentlan[d]" [belongs to Mr. Pentland] and refers to the figure published in Reeve 1848–1850.

**Dimensions.** Not given; figured specimen herein H 17.0, D 6.55, W 8.0.

**Type material.** NHMUK 1849.5.14.53, lectotype; 1849.5.14.54–57, four paralectotypes.

**Remarks.** According to Reeve the material was collected by Mr. Pentland and belonged to "Mus. Hamilton"; the lectotype corresponds to Reeve 1849 [1848–1850]: pl. 83 fig. 610. Breure (1978) erroneously mentioned the lectotype as 1975329 and the paralectotypes as 1975330. The current systematic position follows Richardson (1995: 26).

**Current systematic position.** Bulimulidae, *Bostryx hamiltoni* (Reeve, 1849).
**Bulimus haplochrous** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_haplochrous
Figs 61G–H, L26iv

*Bulimus haplochrous* Pfeiffer 1855g: 125; Pfeiffer 1859b: 502; Breure 1979: 63.  
*Bulimulus haplochrous*; Breure 1978: 144 (lectotype designation).

**Type locality.** "—?".

**Label.** "New Granada", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 30, diam. 12 mill."; figured specimen herein H 28.6, D 13.3, W 5.3.

**Type material.** NHMUK 1975405, lectotype; 1975406, two paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer did not state on how many specimens his description was based. The current systematic position follows Richardson (1995: 76).

**Current systematic position.** Bulimulidae, *Bulimulus haplochrous* (Pfeiffer, 1855).

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**Helix heloica** d’Orbigny, 1835
http://species-id.net/wiki/Helix_heloica
Figs 62E–F, L26v

*Helix heloica* d’Orbigny 1835: 11.  
*Bulimus heloicus*, d’Orbigny 1837 [1834–1847]: 272, pl. 30 figs 9–11 [3 April 1837; text 23 April 1838].  
*Bulimulus* (*Lissoacme*) *heloicus*; Pilsbry 1896 [1895–1896]: 193, pl. 51 figs 12–13.

**Type locality.** [Bolivia] ”provincia Chiquitensi, republica Boliviana”.

**Label.** "Sn Xavier de Chiquitos Bolivia”, label in d’Orbigny’s handwriting.  
**Dimensions.** ”Longit. 28 millim., diam. 6 millim.”; figured specimen herein H 25.6, D 12.0, W 6.8.

**Type material.** NHMUK 1854.12.4.164, five syntypes (d’Orbigny coll.).

**Remarks.** d’Orbigny (1835) did not state on how many specimens his description was based; the type locality was specified in d’Orbigny 1838 [1834–1847]: 273 as ”près de la Mission de Bibosi, province de Santa-Cruz de la Sierra, et dans la partie orientaler de l’immense fôret (Monte grande) qui sépare Santa-Cruz de la province de Chiquitos, non loin du lieu nommé Potrero de la Cruz”. The locality on the label probably refers to San Javier, Dept. Santa Cruz in Bolivia; see Breure 1973: 119, 127. The protoconch sculpture suggests that this taxon belongs to *Bulimulus* Leach, 1814.

**Current systematic position.** Bulimulidae, *Bulimulus heloicus* (d’Orbigny, 1835) (**comb. n.**).
**Bulimus hepatostomus** Pfeiffer, 1861
http://species-id.net/wiki/Bulimus_hepatostomus
Figs 17D–E, L26vii

*Bulimus hepatostomus* Pfeiffer 1861: 23, pl. 3 fig. 4; Breure 1979: 110 (lectotype designation).

*Drymaeus (Drymaeus) hepatostomus*; Breure and Eskens 1981: 28, pl. 8 fig. 10.

*Drymaeus (Mesembrinus) hepatostomus*; Thompson 2011: 115.

**Type locality.** "Mexico (Mr Boucard)".

**Label.** "Tepenistlahuaca / Mexico. M r Boucard", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 32, diam. 13 mill."; figured specimen herein H 30.1, D 15.0, W 6.1.

**Type material.** NHMUK 1975571, lectotype; 1975221, one paralectotype, Boucard leg. (Cuming coll.).

**Remarks.** The current systematic position is according to Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) hepatostomus* (Pfeiffer, 1861).

**Bulimulus (Drymaeus) hidalgoi** da Costa, 1898
http://species-id.net/wiki/Bulimulus_hidalgoi
Figs 32A–C, L26vi

*Bulimulus (Drymaeus) hidalgoi* da Costa, 1898: 80, pl. 6 fig. 2; Breure 1979: 110.

*Drymaeus (Drymaeus) hidalgoi*; Breure and Borrero 2008: 21.

**Type locality.** ”Ecuador”.

**Label.** ”Equador”, label in da Costa’s handwriting.

**Dimensions.** ”Long. 39, diam. 13 mm.”; figured specimen herein H 39.0, D 17.0, W 6.6.

**Type material.** NHMUK 1907.11.21.28, lectotype; 1907.11.21.29–30, two paralectotypes, Buckley leg. (da Costa coll.).

**Remarks.** da Costa did not state on how many specimens his description was based, only that he had ”examples collected by the late Mr. Buckley”. The reference of Breure (1979) to ”HT 1907.11.21.28” has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) hidalgoi* (da Costa, 1898).
**Bulimus holostoma** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_holostoma
Figs 2O–P, L26viii

*Bulimus holostoma* Pfeiffer 1846a: 28; Pfeiffer 1848b: 161; Reeve 1848 [1848–1850]: pl. 69 fig. 490; Breure 1979: 54 (lectotype designation).

**Type locality.** [Chile] "Cobija, Bolivia".

**Label.** "Cobija Bolivia Hills under Bushes", taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

**Dimensions.** "Long. 9, diam. 2 2/3 mill.”; figured specimen herein H 7.84, D 2.43, W 5.9.

**Type material.** NHMUK 1975345, lectotype; 1975346, one paralectotype (Cuming coll.).

**Remarks.** Pfeiffer described this species from the Cuming collection, but did not state on how many specimens his description was based. The current systematic position follows Richardson (1995: 27).

**Current systematic position.** Bulimulidae, *Bostryx holostoma* (Pfeiffer, 1846).

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**Bulimus hondurasanus** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_hondurasanus
Figs 24I, L27i

*Bulimus hondurasanus* Pfeiffer 1846a: 29; Reeve 1849 [1848–1850]: pl. 59 fig. 400; Breure 1979: 119 (lectotype designation).

*Drymaeus hondarusanus*; Rehder 1966: 286, figs 5–6.

*Drymaeus* (*Mesembrinus*) *hondurasanus*; Thompson (2011: 121).

**Type locality.** "Honduras".

**Label.** "Honduras on leaves / of Bushes Dyson", taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

**Dimensions.** "Long. 18 1/2, diam. 10 mill.”; figured specimen herein H 28.6, D 13.7, W 6.6.

**Type material.** NHMUK 1975265, lectotype; 1975117, one paralectotype, Dyson leg. (Cuming coll.).

**Remarks.** Pfeiffer (1846a: 30) mentioned that his material originated from Dyson, which is confirmed by the information on the label. Therefore there is no doubt about the type status of the specimens. However, Pfeiffer’s dimensions (H/D ration 1.85) do not fit the specimens found in the NHMUK collection (H/D ratio 2.08). The figure as presented by Reeve 1849 [1848–1850] confirms the latter ratio, which makes it likely that Pfeiffer’s measurements are either erroneous or that he had more material in his own collection. As the Pfeiffer collection must considered to be lost (Dance...
1966), the London specimens are the sole reference. We consider it probable that the published dimensions of Pfeiffer are in error.

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) hondurasanus* (Pfeiffer, 1846).

*Bulimus huascensis* Reeve, 1848

http://species-id.net/wiki/Bulimus_huascensis

Figs 8B, L27ii

*Bulimus huascensis* Reeve 1848 [1848–1850]: pl. 23 fig. 147; Breure 1979: 54. *Bostryx huascensis*; Breure 1978: 90 (lectotype designation).

Type locality. [Chile] "Huasco, Chili".

Label. "Chili". M.C. label style III, IV, V.

Dimensions. Not given; figured specimen herein H 19.1, D 10.9, W 6.0.

Type material. NHMUK 1975159, lectotype; 1975160, four paralectotypes (Cuming coll.).

Remarks. The current systematic position follows Richardson (1995: 28).

Current systematic position. Bulimulidae, *Bostryx huascensis* (Reeve, 1848).

*Bulimus humboldtii* Reeve, 1849

http://species-id.net/wiki/Bulimus_humboldtii

Figs 37D–E, L27iii

*Bulimus humboldtii* Reeve 1849 [1848–1850]: pl. 58 fig. 391; Breure 1979: 110.

Type locality. "Mexico".

Label. "Mexico". M.C. label style IV, V.

Dimensions. Not given; figured specimen herein H 27.6, D 14.5, W 6.6.

Type material. NHMUK 1975528, lectotype and one paralectotype (Cuming coll.).

Remarks. The specimen corresponding to Reeve’s figure is selected lectotype (design. n.) to define this taxon, for which Reeve did not state on how many specimens his description was based. This taxon is considered a junior subjective synonym of *Bulimus mexicanus* Lamarck, 1822 by Richardson (1995: 150), which is a Peruvian species.

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) mexicanus* (Lamarck, 1822).
**Helix hygrohylaea** d’Orbigny, 1835  
http://species-id.net/wiki/Helix_hygrohylaea  
Figs 27D–F, L27iv

*Helix hygrohylaea* d’Orbigny 1835: 18.  
*Bulimus hygrohylaeus* d’Orbigny 1837 [1834-1847]: 311, pl. 40 figs 3–5 [18 Sept. 1837; text 6 May 1838]; Gray 1854: 21.  
*Drymaeus hygrohylaeus*; Pilsbry 1898 [1897–1898]: 194, pl. 37 figs 9–10; Breure 1975b: 1151; Cuezzo et al. 2013: 154.  
*Drymaeus (Drymaeus) hygrohylaeus*; Miquel 1989b: 77, figs 3–4.

**Type locality.** "provincia Chiquitensi (republica Boliviana)".  
**Label.** Three labels, "Săa Cruz de la sierra, Bolivia" [126], "guarayos, Bolivia" [127], "chiquitos, Bolivia" [128]; all in d’Orbigny’s handwriting.  
**Dimensions.** "Longit. 41 millim., latit. 19 millim."; figured specimen herein H 40.4, D 19, W 6.7.  
**Type material.** NHMUK 1854.12.4.127, lectotype and five paralectotypes; 1854.12.4.126, four paralectotypes; 1854.12.4.128, two paralectotypes.  
**Remarks.** The specimen that corresponds to the original figure of d’Orbigny 1837 [1834–1847], is now chosen as lectotype (design. n.) to fixate this taxon. The locality "guarayos" probably refers to Guarayos Province, in the northwestern part of Santa Cruz Department; see also Breure 1973: 117. It is here restricted as type locality. There are two additional paralectotypes in Paris (Breure 1975b: 1151). The current systematic position follows the synonymisation of this taxon with *Helix abyssorum* d’Orbigny, 1835, by Miquel (1989b: 77); this author, however, overlooked that the latter name has page priority. Cuezzo et al. (2013), however, disagreed with Miquel’s classification; this is here tentatively retained awaiting further studies on the position of both taxa.  
**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) abyssorum* (d’Orbigny, 1835).

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**Otostomus emeus hypozonus** Martens, 1893  
http://species-id.net/wiki/Otostomus_emeus_hypozonus  
Figs 23E, L27v

*Bulimulus palpaloensis* Strebel in Strebel and Pfeffer 1882: 85, pl. 5 figs 12d, 16.  
*Otostomus emeus* var. *hypozonus* Martens 1893 [1890–1901]: 223.  
*Drymaeus (Mesembrinus) hypozonus*; Köhler 2007: 150, fig. 116 (lectotype designation).

**Type locality.** "East Mexico".  
**Label.** "E. Mexico", in Martens handwriting.  
**Dimensions.** Not given; figured specimen herein H 19.3, D 11.3, W 5.7.
**Type material.** NHMUK 1901.6.22.794–795, two paralectotypes, H. Strebel leg. (Godman coll.).

**Remarks.** Strebel gave the measurements of nearly 30 specimens in his description of *Bulimulus palpaloensis*, but did not mention the material as presented by Martens—who remarked on the label "*Otostomus palpaloensis* Streb /.../ collected by Strebel". From their remarks (Strebel and Pfeffer 1882: 86) it is likely that Strebel collected the material himself (see also Martens 1893 [1890–1901]: 223). The specimens found are evidently material studied by Martens and described as his variety *hypozonus*; this variety is based on Strebel and Pfeffer 1882: pl. 5 figs 12d, 16. No further evidence is given in this paper on which specimens these figures are based. The suggestion in Köhler (2007) that Martens based this taxon on ZMB material is questionable, as Martens 1890–1901 was entirely based on the Godman collection which is now in NHMUK. The current systematic position is according to Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) emeus* (Say, 1830).

*Bulimus ignavus* Reeve, 1849
http://species-id.net/wiki/Bulimus_ignavus
Figs 62I–J, L27vi

*Bulimus ignavus* Reeve 1849 [1848–1850]: pl. 77 fig. 562; Breure 1979: 63.
*Bulimulus unicolor unicolor* (Sowerby I, 1833); Breure 1978: 147 (lectotype designation).

**Type locality.** "Central America".

**Label.** "Central America". M.C. label style I, V.

**Dimensions.** Not given; figured specimen herein H 17.1 (see remarks).

**Type material.** NHMUK 1975411, lectotype (Cuming coll.).

**Remarks.** The last whorl of the specimen is very damaged. The current systematic position follows Thompson (2011).

**Current systematic position.** Bulimulidae, *Bulimus unicolor* (Sowerby I, 1833).

*Bulimus (؟) illustris* Rolle, 1904
Figs 59A–C, L28i

*Bulimus (؟) illustris* Rolle 1904: 36.

**Type locality.** "Peru, Huancabamba".

**Label.** "Huancabamba Peru".

**Dimensions.** "Alt. 63, diam. max. 26,5 (...) mm"; figured specimen herein H 61.2, D 24.9, W 5+.

**Type material.** NHMUK 1922.2.24.40, holotype (ex Rolle).
Remarks. The top of the holotype is damaged. The current systematic position is after Richardson (1995). See also remarks on locality and publication date under *Bulimulus* (*Drymaeus*) *abruptus* Rolle, 1904.

Current systematic position. Bulimulidae, *Newboldius crichtoni* (Broderip, 1836).

*Bulimus immaculatus* C.B. Adams in Reeve 1850
http://species-id.net/wiki/Bulimus_immaculatus
Figs 17L–M, L28iii

*Bulimus immaculatus* C.B. Adams in Reeve 1850 [1848–1850]: pl. 85 fig. 631; Breure 1979: 120 (lectotype designation).

*Drymaeus (Mesembrinus) immaculatus*; Breure and Eskens 1981: 73, pl. 7 fig. 4.

Type locality. ”Jamaica”.

Label. ”Jamaica”. M.C. label style IV, V.

Dimensions. Not given; figured specimen herein H 30.5, D 13.17, W 6.8.

Type material. NHMUK 1975540, lectotype; 1975541, two paralectotypes (Cuming coll.).

Remarks. The specimen was described and figured on the basis of specimens received from Adams with a manuscript name. Breure (1979) selected as lectotype the specimen that best fitted the figure of Reeve. The current systematic position is according Rosenberg and Muratov (2005).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) immaculatus* (C.B. Adams in Reeve 1850).

*Bulimus incarnatus* Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_incarnatus
Figs 22A, L28ii

*Bulimus incarnatus* Pfeiffer 1855d: 95; Breure 1979: 120 (lectotype designation).

*Drymaeus (Mesembrinus) incarnatus*; Breure and Eskens 1981: 73, pl. 7 fig. 5.

Type locality. ”Venezuela”.

Label. ”Venezuela”. M.C. label style I.

Dimensions. ”Long. 31, diam. 12 mill.”; figured specimen herein H 30.7, D 13.1, W 7.1.

Type material. NHMUK 1975566, lectotype; 1975567, one paralectotype (Cuming coll.).

Remarks. The paralectotype is a juvenile shell. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) granadensis* (Pfeiffer, 1848).
**Bulimus inclinatus** Pfeiffer, 1862
http://species-id.net/wiki/Bulimus_inclinatus
Figs 47A–C, L28iv

*Bulimus inclinatus* Pfeiffer, 1862: 387, pl. 37 fig. 3; Breure 1979: 110 (lectotype designation).
*Drymaeus inclinatus*; Linares and Vera 2012: 187.
*Drymaeus (Drymaeus) inclinatus*; Breure and Eskens 1981: 28, pl. 8 fig. 9.

**Type locality.** "New Grenada”.

**Label.** "New Grenada". M.C. label style IV.

**Dimensions.** "Long. 33, diam. 12 mill."; figured specimen herein H 33.1, D 17.2, W 5.7.

**Type material.** NHMUK 1975532, lectotype; 1975533, two paralectotypes (Cuming coll.).

**Remarks.** The diameter mentioned by Pfeiffer does not fit with his figure and is likely in error.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) inclinatus* (Pfeiffer, 1862).

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**Drymaeus incognita** da Costa, 1907
http://species-id.net/wiki/Drymaeus_incognita
Figs 33A–C, L28v

*Drymaeus incognita* da Costa 1907: 304, pl. 26 figs 4–4a; Breure 1979: 110; Linares and Vera 2012: 188.

**Type locality.** [Colombia] "Bogota”.

**Label.** "Bogota", in da Costa’s handwriting.

**Dimensions.** "Long. 29.5, diam. 12 mm”; figured specimen herein H 29.8, D 13.7, W 6.3.

**Type material.** NHMUK 1907.11.21.24, holotype; 1907.11.21.25, one paratype (da Costa coll.).

**Remarks.** This taxon was described by da Costa on the basis of "two specimens".

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) incognitus* da Costa, 1907.

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**Bulimus incrassatus** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_incrassatus
Figs 14B–C, L29i

*Bulimus incrassatus* Pfeiffer 1853d: 475; Pfeiffer 1853 in Küster and Pfeiffer 1840–1865: 79, pl. 30 figs 13–14; Pfeiffer 1854d: 157; Breure 1979: 69 (lectotype designation).
Bulimulus nux var. incrassatus; Pilsbry 1897 [1897–1898]: 102, pl. 16 figs 42–43.

Type locality. [Ecuador] "insulis Gallapagos".

Label. "Brazils", "Galapagos", taxon label in Pfeiffer’s handwriting. M.C. label style III.

Dimensions. "Long. 17 1/2, diam. 8 1/2 mill."); figured specimen herein H 17.3, D 9.0, W 7.0.

Type material. NHMUK 1975157, lectotype; 1975158, three paralectotypes (Cuming coll.).

Remarks. The original label had the locality as "Brazils", but in a later hand (probably E.A. Smith’s) this has been corrected to Galapagos. The current systematic position follows Richardson (1995: 225).

Current systematic position. Bulimulidae, Naesiotus nux (Broderip, 1832).

Bulimus infundibulum Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_infundibulum
Figs 1C–D, L30iii

Bulimus infundibulum Pfeiffer, 1853b: 255; Pfeiffer 1853 in Küster and Pfeiffer 1840–1865: 85, pl. 30 figs 19–20; Pfeiffer 1853d: 375; Breure 1979: 55.
Bulimus (Ataxus) infundibulum; Pilsbry 1896 [1895–1896]: 131, pl. 44 figs 91–92.
Bostryx infundibulum; Breure 1978: 92 (lectotype designation).

Type locality. "Andibus Peruvianis".

Label. "Peru + Bolivia". M.C. label style I, IV.

Dimensions. "Long. 18, diam. 7 mill."); figured specimen herein H 18.3, D 6.82, W 9.0.

Type material. NHMUK 1975163, lectotype; 1975164, two paralectotypes (Cuming coll.).

Remarks. The label is apparently partly in error, as this species is only known from southern Peru. The current systematic position is after Breure (1979).

Current systematic position. Bulimulidae, Bostryx infundibulum (Pfeiffer, 1853).

Bulimus inglorius Reeve, 1848
http://species-id.net/wiki/Bulimus_inglorius
Figs 24J, L30i

Bulimus inglorius Reeve 1848 [1848–1850]: pl. 55 fig. 368; Breure 1979: 120 (lectotype designation).

Drymaeus inglorius; Pilsbry 1899: 67, pl. 3 fig. 46.
Drymaeus (Mesembrinus) inglorius; Breure and Eskens 1981: 73; Thompson 2011: 115.
Type locality. "—?".
Label. "—?". M.C. label style IV, V.
Dimensions. Not given; figured specimen herein H 25.6, D 13.2, W 5.7.
Type material. NHMUK 1975536, lectotype; 1975537, two paralectotypes (Cuming coll.).
Remarks. The current systematic position is according to Thompson (2011).
Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) inglorius (Reeve, 1848).

**Bulimulus (Drymaus) interruptus** Preston, 1909
http://species-id.net/wiki/Bulimulus_interruptus
Figs 18A–B, L29iii

*Bulimulus (Drymaeus) interruptus* Preston 1909: 511, fig. 1; Breure 1979: 120.
*Drymaeus (Mesembrinus) interruptus*; Köhler 2007: 151, fig. 119.

Type locality. "Merida, Venezuela".
Label. "Merida, Venezuela".
Dimensions. "Alt. 25.5, diam. maj. 10.5 mm"; figured specimen herein H 24.5, D 11.3, W 6.3.
Type material. NHMUK 1914.4.3.38, lectotype and five paralectotypes (ex Preston).
Remarks. Preston described for this taxon also two forms (*interruptus* form α and β), and three varieties (var. *pallidus*, var. *pallidus* form γ, and var. *pallidus* form δ); as he gave them explicitly infrasubspecific rank these names are not available (Art. 45.6 ICZN). The shells, from the same locality, clearly show the intraspecific variation that may occur in this taxon. Köhler (2007) has interpreted the reference to "HT BMNH 1914.4.3.38" in Breure (1979: 120) as an unjustified designation since Preston evidently did base his description on more than one specimen. However, under Art. 74.6 ICZN the reference of Breure (1979) may be considered as a lectotype designation; specimen ZMB 59597 is therefore a paralectotype.
Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) interruptus* (Preston, 1909).

**Bulimulus (Drymaeus) inusitatus** Fulton, 1900
http://species-id.net/wiki/Bulimulus_inusitatus
Figs 20F–G, L30ii

*Bulimulus (Drymaeus) inusitatus* Fulton 1900: 87; Breure 1979: 120.
*Drymaeus (Mesembrinus) inusitatus*; Kohler 2007: 151, fig. 121; Thompson 2011: 120.

Type locality. "Costa Rica".
Label. "Costa Rica", in Fulton’s handwriting.

Dimensions. "Alt. 29 1/5, diam. maj. 13 (...) mill.”; figured specimen herein H 28.3, D 13.1, W 7.8.

Type material. NHMUK 1901.4.25.28, lectotype (ex Fulton).

Remarks. Fulton did not mention on how many specimens his description was based. Breure (1979: 120) referred to the specimen in NHMUK as “HT BMNH 1901.4.25.28”. Köhler (2007) found an additional specimen in ZMB which he regarded as probable type material and considered all specimens as syntypes. However, under Art. 74.6 ICZN Breure’s designation may be considered as a lectotype designation; specimen ZMB 52678 is therefore a probable paralectotype.

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) inusitatus* (Fulton, 1900).

*Bulimus inutilis* Reeve, 1850

http://species-id.net/wiki/Bulimus_inutilis

Figs 62G–H, L30iv

*Bulimus inutilis* Reeve 1850 [1848–1850]: pl. 86 fig. 639; Breure 1979: 63.

*Bulimus inutilis*; Pilsbry 1897 [1897–1898]: 73, pl. 11 fig. 37; Breure 1978: 144 (lectotype designation); Thompson 2011: 107.

Type locality. "—?".

Label. "?Centr. America”. M.C. label style III, V.

Dimensions. Not given; figured specimen herein H 16.5, D 8.9, W 6.0.

Type material. NHMUK 1975162, lectotype (Cuming coll.).

Remarks. The current systematic position follows Thompson (2011).

Current systematic position. Bulimulidae, *Bulimus inutilis* (Reeve, 1850).

*Bulimus iodostylus* Pfeiffer, 1861

http://species-id.net/wiki/Bulimus_iodostylus

Figs 54C–D, L30v

*Bulimus iodostylus* Pfeiffer 1861: 23; Pfeiffer 1868: 47; Breure 1979: 110.

*Drymaeus (Mesembrinus) ghiesbreghti iodostylus*; Thompson 2011: 113.

Type locality. "Mexico”.

Label. "Mexico”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 30, diam. 12 mill.”; figured specimen herein H 32.2, D 15.3, W 6.2.

Type material. NHMUK 1975568, three syntypes (Cuming coll.).
Remarks. The largest specimen in the syntype lot was measured and is here figured. The current systematic position follows Thompson (2011), who regarded Oaxaca as the type locality.

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) ghiesbreghti iodostylus* (Pfeiffer, 1861).

*Bulimus irregularis* Pfeiffer, 1848
http://species-id.net/wiki/Bulimus_irregularis
Figs 15B, L30vi

*Bulimus irregularis* Pfeiffer 1848a: 231; Pfeiffer 1848b: 183; Reeve 1849 [1848–1850]: pl. 65 fig. 454.

Type locality. "Quito, Ecuador".
Label. "Ecuador". M.C. label style I, V.
Dimensions. "Long. 19, diam. 9 mill."; figured specimen herein H 18.8, D 9.28, W 6.2.
Type material. NHMUK 20100564, one possible syntype (Cuming coll.).
Remarks. A lot was found under this name, containing two specimens. One specimen corresponds to the measurements given by Pfeiffer and to Reeve’s figure; it is, however, not accompanied by a taxon label in Pfeiffer’s handwriting, and therefore considered a possible syntype. The other specimen belongs to a different species, viz. *Kuschelenia (Vermiculatus) anthisanensis* (Pfeiffer, 1853), and is here excluded from the type series. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, *Naesiotus quitensis* (Pfeiffer, 1848).

*Bulimulus istapensis* Crosse & Fischer, 1873
http://species-id.net/wiki/Bulimulus_istapensis
Figs 63O–P, L30vii

*Bulimulus istapensis* Crosse and Fischer 1873: 286; Fischer and Crosse 1875: 549, pl. 20 fig. 18.

Type locality. "Istapa, Guatemalae, in silvis (A. Morelet)".
Label. "Forests d’Istapa, Guatemala", in Morelet’s handwriting.
Dimensions. "Long. 14 1/2, diam. maj. vix 7 mill."; figured specimen herein H 11.2, D 6.33, W 5.9.
Type material. NHMUK 1893.2.4.1185–1187, three possible syntypes (Morelet coll.).
Remarks. The original description does not mention on how many specimens it was based, but does refer to a specimen in the Morelet collection. The specimens, of which one is broken, are considered possible syntypes. The current systematic position follows Thompson (2011).

Current systematic position. Bulimulidae, *Bulimulus unicolor* (Sowerby I, 1833).
**Bulinus jacobi** (Sowerby I, 1833)
http://species-id.net/wiki/Bulinus_jacobi
Figs 13B–C, L31i

*Bulinus jacobi* Sowerby I 1833: 74; Sowerby I 1833 [Sowerby I and II 1832–1841]; fig. 45.
*Bulinus jacobi*; Reeve 1848 [1848–1850]: pl. 21 fig. 135.

**Type locality.** "ad Insulam Jacobi, inter Gallapagos".

**Label.** "Galapagos Is." [1842.5.10.250–252], "James I. Galapagos" [20100648], both in E.A. Smith’ handwriting. M.C. label style III, V.

**Dimensions.** "long. 0.55, lat. 0.3 poll. [H 13.9 D 7.6 mm]”; figured specimen herein H 11.9, D 6.8, W 5.7.

**Type material.** NHMUK 1842.5.10.250–252, three possible syntypes; 20100648, four possible syntypes (Cuming coll.).

**Remarks.** The two lots originating from the Cuming collection are considered possible syntypes. One specimen from lot 20100648 corresponds to Reeve’s figure. There is one additional specimen (NHMUK 1837.4.8.33.576), which according to the registration book, was "purchased from Mr. Eling, Deptford, from Capt Fitzroy’s vessel"; this is not considered as type material but may have been collected by Darwin on his voyage with the ‘Beagle’.

**Current systematic position.** Bulimulidae, *Naesiotus jacobi* (Sowerby I, 1833).

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**Otostomus lilacinus jansoni** Martens, 1893
http://species-id.net/wiki/Otostomus_lilacinus_jansoni
Figs 53D–F, L30viii

*Otostomus lilacinus jansoni* Martens 1893 [1890–1901]: 201, pl. 12 figs 3, 3a–b; Breure 1979: 110 (lectotype designation).

*Drymaeus lilacinus* var. *jansoni*; Pilsbry 1899: 37, pl. 7 figs 7–9.

*Drymaeus* (*Drymaeus*) *lilacinus*; Breure and Eskens 1981: 28.

*Drymaeus* (*Drymaeus*) *lilacinus jansoni*; Köhler 2007: 146, fig. 98; Thompson 2011: 111.

**Type locality.** "Nicaragua".

**Label.** "Nicaragua", taxon label in Martens’ handwriting.

**Dimensions.** "Long. 46, diam. 22 millim."; figured specimen herein H 45.7, D 22.3, W 6.8.

**Type material.** NHMUK 1901.6.22.951, lectotype, Janson leg. (Godman coll.).

**Remarks.** The current systematic position follows Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) *lilacinus jansoni* (Martens, 1893).
**Bulimus jonasi** Pfeiffer, 1846  
http://species-id.net/wiki/Bulimus_jonasi  
Figs 18F–G, L31ii

*Bulimus jonasi* Pfeiffer in Philippi 1846 [1845–1847]: 125, pl. 5 fig. 4; Pfeiffer 1848b: 107; Reeve 1848 [1848–1850]: pl. 55 fig. 363; Breure 1979: 120.  
*Drymaeus jonasi*; Pilsbry 1899: 54, pl. 10 fig. 71.  
*Drymaeus (Mesembrinus) jonasi*; Thompson 2011: 125.

**Type locality.** "Vera Cruz Americae centralis (Latre in coll. Cuming)."  
**Label.** "Vera Cruz, C. America", taxon label in Pfeiffer’s handwriting, M.C. label style I, IV, V.  
**Dimensions.** "Long 13‴‴, Diam. 5‴‴ [H 28.3, D 10.9 mm]”; figured specimen herein herein H 26.6, D 11.6, W 6.0.  
**Type material.** NHMUK 1975557, six syntypes (Cuming coll.).  
**Remarks.** The measurements as given by Pfeiffer are interpreted as German lines, i.e. 2.18 mm. The current systematic position is following Thompson (2011).  
**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) jonasi* (Pfeiffer in Philippi 1846).

**Bulimus josephus** Angas, 1878  
http://species-id.net/wiki/Bulimus_josephus  
Fig. L31iii

*Bulimus josephus* Angas 1878a: 72, pl. 5 figs 13–14; Breure 1979: 110.  
*Drymaeus (Drymaeus) josephus*; Thompson 2011: 108.

**Type locality.** "San José, Costa Rica”.  
**Label.** "in the low hills / Talamanca / Costa Rica”.  
**Dimensions.** "Diam. 7 lines, alt. 16 [H 33.8 D 14.8 mm]”; figured specimen herein H 31.0, D 15.6, W 6.8.  
**Type material.** NHMUK 1879.7.22.16–18, three possible syntypes (ex Angas).  
**Remarks.** Angas did not mention on how many specimens his description was based, but mentioned "Mus. Boucard”. The lot found consists of smaller specimens and are considered as possible syntypes. The current systematic position follows Thompson (2011).  
**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) josephus* (Angas, 1878).
**Bulimus juarezi** Pfeiffer, 1866
http://species-id.net/wiki/Bulimus_juarezi
Figs 72G–I, L31iv

* Bulimus juarezi* Pfeiffer 1866: 832; Pfeiffer 1866 [1860–1866]: 230, pl. 69 figs 1–2; Breure 1979: 76.
* Rabdotus (Rabdotus) sufflatus* (Gould, 1859); Thompson 2011: 128.

**Type locality.** [Mexico] “in provinciae pacifica reipublicae mexicanae”.
**Label.** “West Mexico”. M.C. label style IV.
**Dimensions.** "Long. 31, diam. 18 mill.”; figured specimen herein H 31.5, D 19.3, W 5.4.
**Type material.** NHMUK 1975421, three syntypes (Cuming coll).
**Remarks.** The current systematic position follows Thompson (2011).
**Current systematic position.** Bulimulidae, *Rabdotus (Rabdotus) sufflatus* (Gould, 1859).

**Bulimus jussieui** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_jussieui
Figs 66L–N, L31v

* Bulimus jussieui* Pfeiffer 1846a: 33; Pfeiffer 1846c: 55; Reeve 1848 [1848–1850]: pl. 39 fig. 242; Breure 1979: 88.
* Bulimulus (Scutalus) culmineus* (d’Orbigny, 1835); Crawford 1939: 328.
* Scutalus (Kuschelenia) culmineus culmineus*; Breure 1978: 177.

**Type locality.** [Peru] “Cusoo” (sic, Cusco).
**Label.** "Cusco / Peru / Val.”, taxon label in Pfeiffer’s handwriting. M.C. label style III, IV.
**Dimensions.** "Long. 32, diam. 15 mill.”; figured specimen herein H 31.6, D 16.3, W 5.9.
**Type material.** NHMUK 1975170, lectotype and two paralectotypes (Cuming coll).
**Remarks.** Pfeiffer (1846a) indicated that he described shells from "Val. Mur.” (sic, Val. Mus. = Valenciennes collection). According to Crawford (1939) he found two specimens with reference to "Val." on the label; however, we found the same lot containing three specimens. Crawford noted on a separate label “The left hand spec. seems from its label + the dimensions to be the spec. described as B. jussieui Pfr. 1846 + fig. Reeve C.I (V) 242”; this specimen is here designated lectotype (design. n.) to define the taxon. There is no label from Reeve accompanying the lot. The current systematic position follows Richardson (1995: 350).
**Current systematic position.** Bulimulidae, *Kuschelenia (Kuschelenia) culminea culminea* (d’Orbigny, 1835) (comb. n.).
**Bulimus juvenilis** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_juvenilis
Figs 61A–B, L31vi

*Bulimus juvenilis* Pfeiffer 1855d: 97; Pfeiffer 1859b: 503; Breure 1979: 63. *Bulimus juvenilis*; Breure 1978: 145 (lectotype designation); Linares and Vera 2012: 163.

**Type locality.** [Colombia] "Santa Fé de Bogota".
**Label.** "Santa Fé de Bogota", taxon label in Pfeiffer’s handwriting. M.C. label style III.
**Dimensions.** "Long 20, diam. 8 1/2 mill."; figured specimen herein H 19.5, D 8.7, W 6.5.
**Type material.** NHMUK 1975161, lectotype (Cuming coll.).
**Remarks.** The current systematic position follows Richardson (1995: 77).
**Current systematic position.** Bulimulidae, *Bulimus juvenilis* (Pfeiffer, 1855).

**Bostryx kathiae** Breure, 1978
http://species-id.net/wiki/Bostryx_kathiae
Fig. 8D

*Bostryx kathiae* Breure 1978: 92, figs 138–141.

**Type locality.** "Peru, Dept. Lima, Río Cañete valley, 1 km above Puente Auco, 2070 m".
**Label.** "Peru, Dept. Lima, Río Cañete valley, 1 km above Puente Auco, 2070 m".
**Dimensions.** "H 18.5 D 9.4"; figured specimen herein H 17.5, D 8.8, W 6.4.
**Type material.** NHMUK 1975228, one paratype, A.S.H. Breure leg.
**Current systematic position.** Bulimulidae, *Bostryx kathiae* Breure, 1978.

**Bulimus keppelli** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_keppelli
Figs 25G, L32i

*Bulimus keppelli* Pfeiffer 1853d: 653; Pfeiffer 1854e: 50. *Drymaeus* (*Mesembrinus*) *keppelli*; Breure and Eskens 1981: 76, pl. 7 fig. 11 (lectotype designation).

**Type locality.** "in Andibus Peruanis (Keppell)".
**Label.** "Andes of Peru / Hon. Cap. Keppell”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.
**Dimensions.** "Long. 34 1/2, diam. 14 mill.”; figured specimen herein H 33.2, D 14.2, W 6+.
**Type material.** NHMUK 1975538, lectotype (Cuming coll.).
Remarks. The top of the specimen is damaged. The current systematic position is following Richardson (1995).

Current systematic position. Bulimulidae, *Drymaeus* (*Drymaeus*) *vexillum* (Wood, 1828).

*Bulimus knorri* Pfeiffer in Philippi 1846
http://species-id.net/wiki/Bulimus_knorri
Figs 51D–F, L32iii

*Bulimus knorri* Pfeiffer in Philippi 1846 [1845–1847]: 115, pl. 4 fig. 3; Pfeiffer 1848b: 95; Reeve 1848 [1848–1850]: pl. 43 fig. 270.

Type locality. ”La Guayra”.
Label. ”La Guayra”, taxon label in Pfeiffer’s handwriting. M.C. label style I, V.
Dimensions. ”Long. 18, diam 6˚˚˚ [H 39.2, D 13.1 mm]”; figured specimen herein H 34.1, D 17.1, W 6.5.
Type material. NHMUK 20100654, three possible syntypes (Cuming coll.).
Remarks. Pfeiffer did not describe on how many specimens his description was based. The lot found has the taxon label in Pfeiffer’s handwriting and the locality corresponds to the original one; it is not know whether this locality lies in the Colombian or Venezuelan part of La Guayra. The largest specimen is smaller than indicated in the original description; the specimens are considered as possible syntypes. Given the shell shape, and the expanded lip this taxon may be better placed in *Drymaeus s.str*. At species level the current systematic position is according to Richardson (1995: 187).

Current systematic position. Bulimulidae, *Drymaeus* (*Drymaeus*) *trigonostomus* (Jonas, 1844) (comb.n.).

*Bulimus koppeli* Sowerby III, 1892
http://species-id.net/wiki/Bulimus_koppeli
Figs 24H, L32iv

*Bulimus koppeli* Sowerby III 1892: 297, pl. 23 figs 9–12; Breure 1979: 120 (lectotype designation).
*Drymaeus koppeli*; Pilsbry 1899: pl. 6 figs 1–4; Linares and Vera 2012: 195.

Type locality. [Colombia] ”Bogota”.
Label. ”Bogota”, in da Costa’s handwriting.
Dimensions. ”Long. 25, diam. maj. 15 millim.”; figured specimen herein H 25.5, D 15.0, W 5.6.
Type material. NHMUK 1907.11.21.133, lectotype, 1907.11.21.134, one paralectotype (da Costa coll.).
Remarks. Sowerby III (1892) described the species on the basis of "two specimens lent [to] me for description by Mr. Da Costa". The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) koppeli* (Sowerby III, 1892).

*Bulimus lactifluus* Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_lactifluus
Figs 2C–D, L32ii

*Bulimus lactifluus* Pfeiffer 1857c: 330; Pfeiffer 1859b: 407; Pfeiffer 1868 [1866–1869]: 425, pl. 96 figs 13–14.  
*Bulimus (Peronaeus) lactifluus*; Pilsbry 1896 [1895–1896]: 140, pl. 10 figs 15–16.

Type locality. "Chili".
Label. "Chile". M.C. label style I.
Dimensions. "Long. 16 1/2–17, diam. 4 2/3 mill."; figured specimen herein H 16.2, D 4.7, W 10.6.
Type material. NHMUK 20100642, four possible syntypes (Cuming coll.).
Remarks. From the measurements given by Pfeiffer it is clear that he had multiple specimens for his description. As he described this species from the Cuming collection, but no taxon label in Pfeiffer’s handwriting was found, this lot is considered as possible syntypes. The current systematic position is according to Richardson (1995: 30).
Current systematic position. Bulimulidae, *Bostryx lactifluus* (Pfeiffer, 1857).

*Bulimus laetus* Reeve, 1849
http://species-id.net/wiki/Bulimus_laetus
Figs 18E, L32v

*Bulimus laetus* Reeve 1849 [1848–1850]: pl. 83 fig. 616; Breure 1979 (lectotype designation).
*Drymaeus laetus*; Pilsbry 1898 [1897–1898]: 245, pl. 43 fig. 72; Linares and Vera 2012: 195 [partim].

Type locality. [Colombia] "Sebundoi, New Granada".
Label. "in Abejonal [?, labels partly illegible]". M.C. label style IV, V.
Dimensions. Not given; figured specimen herein H 26.6, D 13.15, W 6.0.
Type material. NHMUK 1975534, lectotype, 1975535, two paralectotypes (Cuming coll.).
Remarks. Reeve described the taxon from "Mus. Cuming" and noted "Mr Taylor has a specimen collected independently of this, of exactly similar pattern and colour".
The lot found is accompanied by a label that indicates that it was figured by Reeve (Breure and Ablett 2011: 8, fig. 4C–F). The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) laetus* (Reeve, 1849).

*Bulimus (Otostomus) lamas* Higgins, 1868
http://species-id.net/wiki/Bulimus_lamas
Figs 54E, L33i

*Bulimus (Otostomus) lamas* Higgins 1868: 179, pl. 14 figs 3–3a; Breure 1979: 110.
*Drymaeus lamas*; Pilsbry 1898 [1897–1898]: 272, pl. 48 figs 26–27.

**Type locality.** "Jouctabamba, Peru".

**Label.** "Peru".

**Dimensions.** "Long. 33, diam. 10 mill."; figured specimen herein H 29.2, D 9.6, W 7.9.

**Type material.** NHMUK 1868.4.3.3, three possible syntypes (ex R. Geale).

**Remarks.** Higgins (1868) did not mention on how many specimens his description was based. The taxon label bears a handwriting that may be Higgins’, but this cannot be ascertained. The largest shell in the lot found is smaller than the original measurements given; the specimens are considered as possible syntypes. The taxon is now considered a junior subjective synonym of *Bulimus trujillensis* Philippi, 1867 (syn. n.).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) trujillensis* (Philippi, 1867).

*Bulimus (Drymaeus) binominis lascellianus* E.A. Smith, 1895
http://species-id.net/wiki/Bulimus_binominis_lascellianus
Figs 23I, L33ii

*Bulimus (Drymaeus) binominis lascellianus* E.A. Smith 1895: 316, pl. 21 fig. 14.

**Type locality.** [West Indies, Grenada] "Annandale estate" (see remarks).

**Label.** "Grenada".

**Dimensions.** Not given; figured specimen herein H 22.1, D 11.22, W 5.9.

**Type material.** NHMUK 1895.9.10.1, lectotype; 1895.9.10.2, one paralectotype.

**Remarks.** Smith (1895) wrote "Mr. J.H. Ponsonby possesses a new and interesting colour-variety (var. *Lascellianus*) of this species. (...) only found on the Annandale estate, and only on one small part of that—a strip of land facing west on a rocky mountain side, at an elevation of 1,000 to 1,200 feet." Smith did not mention on how many specimens his description was based, but one of the two specimens found corresponds
to his figure and is here selected lectotype (design. n.). The taxon is now regarded a junior synonym of Bulimusulus (Drymaeus) binominis E.A. Smith, 1895 (syn. n.).

**Current systematic position.** Bulimulidae, Drymaeus (Mesembrinus) binominis (E.A. Smith, 1895).

*Bulimusulus latecolumellaris* Preston, 1909

http://species-id.net/wiki/Bulimusulus_latecolumellaris

Figs 65I–J, L33iii

*Bulimusulus latecolumellaris* Preston 1909: 510, fig. 11; Breure 1979: 83 (lectotype designation).

**Type locality.** ”Peru”.

**Label.** ”Peru”, label in Preston’s handwriting.

**Dimensions.** ”Alt. 54, diam. maj. 24 mm”; figured specimen herein H 54, D 23.9, W 7+

**Type material.** NHMUK 1922.2.24.39, lectotype (ex Preston).

**Remarks.** The top of the specimen is damaged. Preston (1909) did not mention on how many specimens his description was based; Breure’s record of the specimen as holotype has therefore to be interpreted as lectotype designation according to Art. 74.6 ICZN. The current systematic position follows Richardson (1995: 352).

**Current systematic position.** Bulimulidae, Scutalus latecolumellaris Preston, 1909.

*Bulimus lattrei* Pfeiffer in Philippi 1846

http://species-id.net/wiki/Bulimus_lattrei

Figs 50G–I, L33iv

*Bulimus lattrei* Pfeiffer in Philippi 1846 [1845–1847]: 112, pl. 4 fig. 11; Breure 1979: 110 (lectotype designation).

*Bulimus focillatus* Reeve 1848 [1848–1850]: pl. 36 fig. 211.

*Drymaeus lattrei*; Pilsbry 1899: 41, pl. 8 fig. 24.

*Drymaeus (Drymaeus) lattrei*; Breure and Eskens 1981: 28; Thompson 2011: 110.

**Type locality.** ”America centralis; prope Veracruz legit Lattre” (see remarks).

**Label.** ”Mon Lattre / Mountains of Vera / Cruz, Central America”. M.C. label style IV.

**Dimensions.** ”Long. 21, diam. 10’’’’ [H 45.8, D 21.8 mm]”; figured specimen herein H 42.6, D 22.2, W 6.4.

**Type material.** NHMUK 1975555, lectotype; 1975556, eight paralectotypes (Cuming coll.) (see remarks).
Remarks. The type locality was corrected to Guatemala, Vera Paz [Dept. Altaverapaz] by Pilsbr (1899: 42). Breure and Eskens (1981) mentioned two paralectotypes; a modern label (after 1975) states "Also Syntypes of Bulimus focillatus", which makes it likely that six specimens have been added. There is no conclusive evidence that these were Reeve's material; however, the lot cannot be untangled. The current systematic position is following Thompson (2011).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) lattrei lattrei (Pfeiffer in Philippi 1846).

*Bulimulus laxostylus* Rolle, 1904

http://species-id.net/wiki/Bulimulus_laxostylus

Figs 74E–G, L33v

*Bulimulus laxostylus* Rolle 1904: 37; Breure 1979: 110.

Type locality. "Huancabamba in Peru".

Label. "Huancabamba / Peru / Andes 6–10.000 ft.", taxon label in Rolle's handwriting.

Dimensions. "Alt. 40, diam. 16.5 mm"; figured specimen herein H 39.9, D 15.4, W 7.1.

Type material. NHMUK 1922.2.24.32, lectotype (ex Rolle).

Remarks. Rolle did not mention on how many specimens his description was based; the label reads "largest is type", suggesting that more than one specimen might have been seen. The record of the holotype in Breure (1979: 110) has therefore to be interpreted as lectotype designation. The taxon is here figured for the first time. See also remarks on locality and publication date under *Bulimulus* (Drymaeus) abruptus Rolle, 1904.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) laxostylus (Rolle, 1904).

*Bulimus lesueureanus* Morelet, 1860

http://species-id.net/wiki/Bulimus_lesueureanus

Figs 1G–H, L33vi

*Bulimus lesueureanus* Morelet 1860: 374; Morelet 1863: 200, pl. 9 fig. 4; Breure 1979: 55. *Bulimus* (Peronaeus) lusueureanus; Pilsbr 1896 [1895–1896]: 149, pl. 46 fig. 45. *Bostryx lesueureanus*; Breure 1978: 97.

Type locality. "[in intimâ Peruvii regione]" (see remarks).

Label. "Pomacocha, Pérou", taxon label in Morelet's handwriting.

Dimensions. "Longit. 21; diam. 7 mill."; figured specimen herein H 22.5, D 7.7, W 7.7.

Type material. NHMUK 1893.2.4.1182–1183, two syntypes (Morelet coll.).
Remarks. The type locality was specified in Morelet (1863: 201) "Il provient de Poma-cocha et Cocharcas". The current systematic position is according to Richardson (1995: 37).

Current systematic position. Bulimulidae, Bostryx orophilus (Morelet, 1860).

*Helix lichnorum* d’Orbigny, 1835
http://species-id.net/wiki/Helix_lichnorum
Figs 2E–F, L34i

*Helix lichnorum* d’Orbigny 1835: 20.
*Bulimus lichenorum*; d’Orbigny 1837 [1834–1847]: 264, pl. 41 figs 9–10 (emendation) [6 Nov. 1837; text 23 April 1838]; Gray 1854: 13.
*Bulimulus* (*Peronaeus*) *lichenorum*; Pilsbry 1896 [1895–1896]: 149, pl. 46 figs 34-35.

Type locality. [Chile] "Cobija (republica Boliviana)".
Label. "cobija. Bolivia", taxon label in d’Orbigny’s handwriting.
Dimensions. "Longit. 17 millim., latit. 5 millim."; figured specimen herein H 15.8, D 5.14, W 7.1.
Type material. NHMUK 1854.12.4.96, lectotype and four paralectotypes (d’Orbigny coll.).
Remarks. The type locality now belongs to the political administration of Chile. The lot found consists of five specimens, of which one corresponds to the figure of d’Orbigny and is here designated lectotype (*design. n.*) to define the taxon.
Current systematic position. Bulimulidae, Bostryx lichnorum (d’Orbigny, 1835).

*Bulimus lilacinus* Reeve, 1849
http://species-id.net/wiki/Bulimus_lilacinus
Figs 53A–C, L34iii

*Bulimus lilacinus* Reeve 1849 [1848–1850]: pl. 74 fig. 532.

Type locality. "—?".
Label. "New Granada", in a later handwriting (see remarks). M.C. label style I, V.
Dimensions. Not given; figured specimen herein H 45.5, D 20.3, W 6+.
Type material. NHMUK 20100520, four probable syntypes (Cuming coll.).
Remarks. One lot was found, of which one shell is very similar to Reeve’s figure. The shells are considered probable syntypes. Pfeiffer (1853: 326) considered these shells juveniles and conspecific with *Bulimus patricius* Reeve, 1849, which was published later in the same year. Fischer and Crosse (1875: 478, pl. 20 figs 1–2) were the first to recognize that this a Guatemalan species.
Current systematic position. Bulimulidae, Drymaeus (*Drymaeus*) lilacinus (Reeve, 1849).
**Bulimus limensis** Reeve, 1849  
http://species-id.net/wiki/Bulimus_limensis  
Figs 6E, L34v

*Bulimus limensis* Reeve 1849 [1848–1850]: pl. 77 fig. 563; Breure 1979: 55; Ramírez 2004: 41, fig. 21H.  
*Bostryx limensis*; Breure 1978: 97, pl. 9 fig. 1 (lectotype designation).

**Type locality.** "Lima and Quito, South America".

**Label.** "Peru". M.C. label style IV, V.

**Dimensions.** Not given; figured specimen herein H 19.6, D 10.46, W 7.0.

**Type material.** NHMUK 1975326, lectotype; 1975327, three paralectotypes (Cuming coll.).

**Remarks.** Ramírez (2004: 41, 47) placed this taxon in the synonymy of *Bulimus modestus* (Broderip in Broderip and Sowerby 1832); her—formally unpublished treatment—of this taxon is followed in the current systematic position.

**Current systematic position.** Bulimulidae, *Bostryx modestus* (Broderip in Broderip and Sowerby 1832).

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**Helix limonoica** d’Orbigny, 1835  
http://species-id.net/wiki/Helix_limonoica  
Figs 11B, L34ii

*Helix limonoica* d’Orbigny 1835: 13.  
*Bulimus limonoicus* d’Orbigny 1837 [1834–1847]: 284, pl. 33 figs 15–17 [19 June / 7 Aug 1837; text 6 May 1838].  
*Peronaeus* (*Lissoacme*) *limonoicus*; Breure 1975b: 1141, fig. 1 (lectotype designation).  
*Bostryx limonoicus*; Breure 1979: 55.

**Type locality.** "provincia Chiquitensi (republica Boliviana)"; see Breure 1973: 118.

**Label.** "S° Juan. P.Chiquitos Bolivia", in d’Orbigny’s handwriting.

**Dimensions.** "Latit. 19 millim., longit. 8 millim."; figured specimen herein H 15.8, D 5.14, W 7.1.

**Type material.** NHMUK 1854.12.4.190, two paralectotype (d’Orbigny coll.).

**Remarks.** d’Orbigny (1838 [1834–1847]: 284) emended the type location "près des ruines de l’ancienne Mission de San-Juan". One of the paralectotypes correspond to the figures given by d’Orbigny. The lectotype in MNHN is a subadult specimen. The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Bostryx limonoicus* (d’Orbigny, 1835).
**Helix linostoma** d’Orbigny, 1835
http://species-id.net/wiki/Helix_linostoma
Figs 28A–C, L34iv

*Helix linostoma* d’Orbigny 1835: 19.

*Bulimus linostoma*, d’Orbigny 1837 [1834–1847]: 314, pl. 40 figs 9–11 [18 Sept. 1837; text 6 May 1838]; Gray 1854: 17.

*Drymaeus linostoma*, Pilsbry 1898 [1897–1898]: 218, pl. 36 figs 41–42; Breure 1975b: 1151.

**Type locality.** ”provincia Chiquitensi (republica Boliviana)”; see Breure 1973: 118.

**Label.** ”guarayos, Bolivia”; in d’Orbigny’s handwriting.

**Dimensions.** “Longit. a 26 ad 31 millim., latit. 2 ad 14 millim.”; in d’Orbigny 1837 [1834–1847]: ”Long. 29 millim., lat. 14 millim.”; figured specimen herein H 29.7, D 14.9, W 6.2.

**Type material.** NHMUK 1854.12.4.132, four paralectotypes (d’Orbigny coll.).

**Remarks.** None of the specimens correspond to the original figured by d’Orbigny. A lectotype—closest to the measurements given by d’Orbigny—has been chosen by Breure from among the material in the Paris museum (Breure 1975b: 1151). The current systematic position follows Richardson (1995: 145).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) *linostoma* (d’Orbigny 1835).

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**Bulimus liquabilis** Reeve, 1848
http://species-id.net/wiki/Bulimus_liquabilis
Figs 73D–E, L34vi

*Bulimus liquabilis* Reeve 1848 [1848–1850]: pl. 57 fig. 387; Breure 1979: 76 (lectotype designation).

*Rabdotus dealbatus* dealbatus (Say, 1821); Thompson 2011: 127.

**Type locality.** ”Texas”.

**Label.** ”Texas”. M.C. label style IV, V.

**Dimensions.** Not given; figured specimen herein H 21.3, D 12.3, W 6.7.

**Type material.** NHMUK 1975422, lectotype (Cuming coll.).

**Remarks.** The current systematic position is according to Thompson (2011).

**Current systematic position.** Bulimulidae, *Rabdotus dealbatus* dealbatus (Say, 1821).
**Bulimus lirinus** Morelet, 1851
http://species-id.net/wiki/Bulimus_lirinus
Figs 20A, L34viii

*Bulimus lirinus* Morelet 1851: 11; Breure 1979: 120.  
*Drymaeus (Mesembrinus) lirinus*; Thompson 2011: 113.

**Type locality.** [Guatemala] "Petenensium San-Luis".

**Label.** "Peten, Forets de S. Luís", in Morelet’s handwriting.

**Dimensions.** "Longit. 30.—Diam. 11 [mm]"; figured specimen herein H 30.2, D 13.15, W 6.1.

**Type material.** NHMUK 1893.2.4.1954, holotype (ex Morelet).

**Remarks.** Morelet indicated that he had only one specimen at hand, thus this is the holotype. The current systematic position is according to Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) lirinus* (Morelet, 1851).

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**Helix lithoica** d’Orbigny, 1835
http://species-id.net/wiki/Helix_lithoica
Figs 67A–B, 67K, L34vii

*Helix lithoica* d’Orbigny 1835: 13; Breure 1979: 88.  
*Bulimus lithoicus* d’Orbigny 1837 [1834–1847]: 288, pl. 33 figs 10–11 [19 June / 7 Aug 1837; text 6 May 1838]; Gray 1854: 18.  
*Bulimulus (Scuatlus) lithoicus*; Crawford 1939: 328.  
*Scutalus culmineus lithoicus*; Breure 1975b: 1143, pl. 3 fig. 1 (lectotype designation).

**Type locality.** "provincia Pazensi (republica Boliviana)".

**Label.** "La Paz. Bolivia", in d’Orbigny’s handwriting.

**Dimensions.** "Longit 15 millim.; latit. 35 millim. [sic, H 35, D 15 mm]"; figured specimen herein H 34.3, D 17.1, W 6.4.

**Type material.** NHMUK 1854.12.4.197, six paralectotypes (d’Orbigny coll.).

**Remarks.** d’Orbigny (1838 [1834–1847]: 288) specified the type locality as "descendant de la ville de la Paz vers le petit bourg de los Obrages"; see Breure 1973: 129. The current systematic position at species level follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Kuschelenia (Kuschelenia) culminea culminea* (d’Orbigny, 1835) (comb. n.).
**Bulimus lividus** Reeve, 1850
http://species-id.net/wiki/Bulimus_lividus
Figs 18C–D, L34ix

*Bulimus lividus* Reeve 1850 [1848–1850]: pl. 85 fig. 626; Breure 1979: 121 (lectotype designation).

**Type locality.** "Venezuela".

**Label.** "Venezuela". M.C. label style III, V.

**Dimensions.** Not given; figured specimen herein H 24.5, D 11.22, W 6.7+.

**Type material.** NHMUK 1975208, lectotype; 1975209, two paralectotypes (Cuming coll.).

**Remarks.** The aperture of the lectotype has been damaged and the thin lip has been broken off; also the top is slightly damaged. We tentively follow Richardson (1995) in grouping this taxon with *Bulimus granadensis* Pfeiffer, 1848, but have not seen any type material of the latter for comparison.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) granadensis* (Pfeiffer, 1848).

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**Bulimus lobbii** Reeve, 1849
http://species-id.net/wiki/Bulimus_lobbii
Figs 57A–C, L35i

*Bulimus lobbii* Reeve 1849 [1848–1850]: pl. 72 fig. 516; Reeve 1850: 98; Breure 1979: 101. *Neopetraeus lobbii*; Breure 1978: 215, fig. 365 (lectotype designation).

**Type locality.** "Banks of the Maranon near Balsas, Peru".

**Label.** See remarks.

**Dimensions.** Not given; figured specimen herein H 44.3, D 19.4, W 7.6.

**Type material.** NHMUK 1975431, lectotype; 1975432, two paralectotypes (Cuming coll.).

**Remarks.** The locality label is no longer legible. The lectotype corresponds to Reeve 1849 [1848–1850]: pl. 72 fig. 516a.

**Current systematic position.** Bulimulidae, *Neopetraeus lobbii* (Reeve, 1849).

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**Bulimus longinquus** Morelet, 1863
http://species-id.net/wiki/Bulimus_longinquus
Figs 11A, L35iii

*Bulimus longinquus* Morelet 1863: 195, pl. 11 fig. 2; Breure 1979: 55. *Bostryx longinquus*; Breure 1978: 98 (lectotype designation).
Type locality. [Peru, Dept. Cuzco] "Limatambo, Ollantaitambo, Yucay et Piré".

Label. "Ollantaitambo Pérou", in Morelet’s handwriting.

Dimensions. "Longit. 31, diam. 12 mill."; figured specimen herein H 30.9, D 13.8, W 7.8.

Type material. NHMUK 1893.2.4.185–187, three paralectotypes (ex Morelet).

Remarks. This taxon was described from several localities and with two unnamed varieties; the lectotype is in the MHNG collection. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, *Bostryx longinquus* (Morelet, 1863).

*Helix lophoica* d’Orbigny, 1835

http://species-id.net/wiki/Helix_lophoica

Figs 44M–O, L35ii

*Helix lophoica* d’Orbigny 1835: 19.

*Bulimus lophoicus* d’Orbigny 1837 [1834–1847]: 316, pl. 40 figs 14–15 [18 Sept. 1837; text 6 May 1838].

*Drymaeus lophoicus*; Breure 1975b: 1152, pl. 1 fig. 4 (lectotype designation).

Type locality. "provincia Yungacensi (republica Boliviana)"; see Breure 1973: 119.

Label. "Chulumani de Yungas"; in d’Orbigny’s handwriting.

Dimensions. "Longit. 33 millim., latit. 12 millim."; figured specimen herein H 32.7, D 12.9, W 7.3.

Type material. NHMUK 1854.12.4.135, three paralectotypes (d’Orbigny coll.).

Remarks. The lectotype is in the MNHN collection (Breure 1975b). The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) lophoicus* (d’Orbigny, 1835).

*Otostomus loxanus* Higgins, 1872

http://species-id.net/wiki/Otostomus_loxanus

Fig. L35iv

*Otostomus loxanus* Higgins 1872: 685, pl. 56 figs 2–2a; Breure 1979: 121 (lectotype designation).

*Drymaeus (Mesembrinus) loxanus*; Linares and Vera 2012: 196.

Type locality. [Ecuador] "Loxa" [Loja].

Label. "Ecuador". M.C. label style I.

Dimensions. "Long. 29, diam. 11 mill."; specimen found H 26.5, D 12.2, W 6.7.

Material. NHMUK 1975552, one specimen (Cuming coll.).
Remarks. Higgins did not state on how many specimens his description was based; however, his material was said to be collected by Buckley. This shell from the Cuming collection cannot be traced to that collector, but corresponds to the original figure of Higgins albeit the colour has faded away; the shell height is slightly less than given by Higgins. This specimen is no longer considered to be type material and loses its status as lectotype.

*Bulimus loxensis* Pfeiffer, 1846

http://species-id.net/wiki/Bulimus_loxensis

Figs 22I, L35v

*Bulimus loxensis* Pfeiffer 1846c: 85; Pfeiffer 1848b: 203; Reeve 1848 [1848–1850]: pl. 40 fig. 251; Breure 1979: 121 (lectotype designation).

*Drymaeus* (*Mesembrinus*) *loxensis*; Breure and Eskens 1981: 77, pl. 7 fig. 6.

**Type locality.** [Ecuador] ”El Catamaija prope Loxa reipublicae Aequatoris (Hartweg in coll. Cuming)”.

**Label.** ”from El Catamaija / near Loxa. Republic of / the Equator. 4 South Lat / on Bushes. Mr Hartweg”, taxon label in Pfeiffer’s handwriting. M.C. label style I, V.

**Dimensions.** ”Long. 35, diam. 14 mill.”; figured specimen herein H 34.7, D 14.2, W 7.3.

**Type material.** NHMUK 1975553, lectotype; 1975554, two paralectotypes, Hartweg leg. (Cuming coll.).

**Remarks.** The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Mesembrinus*) *loxensis* (Pfeiffer, 1846).

*Bulimulus* (*Drymaeus*) *lucidus* da Costa, 1898

http://species-id.net/wiki/Bulimulus_lucidus

Figs 35G–I, L35vi

*Bulimulus* (*Drymaeus*) *lucidus* da Costa 1898: 82, pl. 6 fig. 4; Breure 1979: 111.

**Type locality.** ”Ecuador”.

**Label.** ”Ecuador”, taxon label in da Costa’s handwriting.

**Dimensions.** ”Long. 19, diam. 11 mm.”; figured specimen herein H 18.6, D 10.7, W 4.9.

**Type material.** NHMUK 1907.11.21.44, lectotype; 1907.11.21.45, one paralectotype, Buckley leg. (da Costa coll.).
Remarks. da Costa described this taxon on the basis of material collected by Buck-ley, but did not state on how many specimens his description was based. The specimen figured by da Costa is selected as lectotype (design. n.) to define this taxon.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) lucidus (da Costa, 1898).

**Bulimus lucidus** Reeve, 1848
http://species-id.net/wiki/Bulimus_lucidus
Figs 20B, L35viii

*Bulimus lucidus* Reeve 1848 [1848–1850]: pl. 40 fig. 245; Breure 1979: 121.

Type locality. [West Indies] "St. Vincents".
Label. "St. Vincents". M.C. label style IV, V.
Dimensions. Not given; figured specimen herein H 28.9, D 14.2, W 6.3.
Type material. NHMUK 1975524, three syntypes (Cuming coll.).
Remarks. One of the specimens corresponds to Reeve’s figure. The current systematic position is according to Richardson (1995).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) stramineus* (Guilding, 1824).

**Bulimus luridus** Pfeiffer, 1863
http://species-id.net/wiki/Bulimus_luridus
Figs 9E, L35vii

*Bulimus luridus* Pfeiffer 1863: 274.

Type locality. ”New Caledonia” (see remarks).
Label. ”New Caledonia”, taxon label in Pfeiffer’s handwriting. M.C. label style III.
Dimensions. ”Long. 22, diam. 11 mill.”; figured specimen herein H 21.7, D 12.55, W 6.2.
Type material. NHMUK 19991535, lectotype and one paralectotype (Cuming coll.).
Remarks. This taxon, hitherto unfigured, has not been collected on New Caledonia (see also Crosse 1871: 183). Pilsbry (1896 [1895–1896]: 194) suggested that it might belong to his South American group of ‘Bulimulus–Bostryx–Lissoacme’ species. The protoconch is smooth and fits within *Bostryx* sensu Breure 1979 (see also Breure 2012b). The type locality is clearly in error and the species might possibly be found in northern Peru or Ecuador. The specimen marked with ‘x’ near the basal margin of the aperture is now selected lectotype (design. n.) to fixate this taxon.

Current systematic position. Bulimulidae, *Bostryx luridus* (Pfeiffer, 1863).
**Bulimus lusorius** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_lusorius
Figs 17A–C, L36i

*Bulimus lusorius* Pfeiffer, 1855c: 291; Breure 1979: 121 (lectotype designation). *Drymaeus (Mesembrinus) lusorius*; Breure and Eskens 1981: 77, pl. 7 fig. 12. *Mesembrinus lusorius*; Simone 2006: 145, fig. 487.

**Type locality.** ”Banks of Amazon, Brazils”.

**Label.** ”Brazil Banks of Amazon”, taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** ”Long. 25, diam. 10 mill.”; figured specimen herein H 24.4, D 10.84, W 5.9.

**Type material.** NHMUK 1975543, lectotype (Cuming coll.).

**Remarks.** The shape of the shell, aperture and the colour pattern suggest in combination that this taxon belongs to *Drymaeus* s.str.

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) *lusorius* (Pfeiffer, 1855) (**comb. n.**).

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**Bulimulus (Naesiotus) lycodus** Dall, 1917
http://species-id.net/wiki/Bulimulus_lycodus
Figs 55F, L36ii

*Bulimulus (Naesiotus) lycodus* Dall 1917b: 379; Breure 1979: 70. *Naesiotus lycodus*; Breure and Borrero 2008: 13.

**Type locality.** ”Galapagos, Indefatigable Island, 450–550 ft.”.

**Label.** ”Galapagos, Indefatigable Island, 450–550 ft.”.

**Dimensions.** ”Length of shell 11; diameter 8 mm”; figured specimen herein H 10.0, D 7.3, W 6.2.

**Type material.** NHMUK 1937.6.18.11–12, two possible paratypes, CAS expedition leg. 1905–1906 (ex Schlesch).

**Remarks.** These specimens are here considered only as possible paratypes, despite the evidence on the label. The reason is that material of *Naesiotus snodgrassi* (Dall, 1900) was found (NHMUK 1937.6.18.6–7), originating from Schlesch and designated as ‘paratypes’, which proved to be collected by the expedition of the California Academy of Sciences in 1905–1906 according to the label; for that reason it is impossible that they belonged to the type series. All type material from this source is thus viewed with much suspicion.

**Current systematic position.** Bulimulidae, *Naesiotus lycodus* (Dall, 1917).
**Bulimulus (Drymaeus) malleatus da Costa, 1898**

http://species-id.net/wiki/Bulimulus_malleatus

Figs 53G–I, L36iii

*Bulimulus (Drymaeus) malleatus* da Costa 1898: 82, pl. 6 fig. 7; Breure 1979: 11.  
*Drymaeus (Drymaeus) malleatus*; Breure 1978: 29.

**Type locality.** "La Paz, Bolivia, 3,600 metres".  
**Label.** "La Paz, 3600 Mts / Bolivia", in da Costa’s handwriting.  
**Dimensions.** "Long. 34, diam. 15 mm."; figured specimen herein H 34.5, D 15.5, W 6.1.  
**Type material.** NHMUK 1907.11.21.130, holotype (da Costa coll.).  
**Remarks.** This taxon was explicitly described "from a single specimen".  
**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) malleatus* (da Costa, 1898).

**Bulimus manupictus** Reeve, 1848

http://species-id.net/wiki/Bulimus_manupictus

Figs 21E, L36iv

*Bulimus manupictus* Reeve 1848 [1848–1850]: pl. 55 fig. 369; Breure 1979: 111  
(lectotype designation).  
*Drymaeus (Mesembrinus) manupictus*; Breure and Eskens 1981: 77, pl. 7 fig. 7.

**Type locality.** [Venezuela, Edo. Merida] "Andes of Columbia" (see remarks).  
**Label.** "Merida, Columb.". M.C. label style I, V.  
**Dimensions.** Not given; figured specimen herein H 33.3, D 14.24, W 6.1.  
**Type material.** NHMUK 1975522, lectotype (Cuming coll.).  
**Remarks.** The label reveals that this is a species from the Venezuelan Andes region of Merida, for which in the beginning of the 19th century politically the name ‘Colombia’ has been applied. Contrary to a remark on a modern label from 1980s, this specimen fits the figure by Reeve. The top of the specimen is slightly damaged.  
**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) manupictus* (Reeve, 1848).

**Bulimus marcidus** Pfeiffer, 1853

http://species-id.net/wiki/Bulimus_marcidus

Figs 63I–J, L36v

*Bulimus marcidus* Pfeiffer 1853d: 435; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 188, pl. 49 figs 11–12; Pfeiffer 1854a: 67.
Type locality. “Brasilia”.

Label. “Brazil”. M.C. label style I.

Dimensions. ”Long. 20, diam. 8 mill.”; figured specimen herein H 18.0, D 8.4, W 5.9.

Type material. NHMUK 20100649, three possible syntypes (Cuming coll.).

Remarks. Pfeiffer based himself on material from Cuming’s collection, although his description was not published until 1854 (Pfeiffer 1854a). The label bears no taxon name in Pfeiffer’s handwriting, but the specimens are treated herein as possible syntypes.

Current systematic position. Bulimulidae, *Bulimus marcidus* (Pfeiffer, 1853).

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**Helix marmarina** d’Orbigny, 1835

http://species-id.net/wiki/Helix_marmarina

Figs 27G–I, L36vi

*Helix marmarina* d’Orbigny 1835: 18.

*Bulimus marmarinus* d’Orbigny 1837 [1834–1847]: 310, pl. 39 figs 11–12 [7 Aug. 1837; text 6 May 1838].

Type locality. “provincia Yungacensi (republica Boliviana)”; see Breure 1973: 119.

Label. “Yungas, Bolivia”; in d’Orbigny’s handwriting.

Dimensions. ”Longit. 42 millim., latit. 18 millim.”; lectotype H 37.9, D 18.8, W 6.7.

Type material. NHMUK 1854.12.4.129, lectotype and five paralectotypes.

Remarks. One specimen, corresponding to d’Orbigny 1837 [1834–1847]: pl. 39 figs 11–12, is selected lectotype; its lip is slightly damaged at the columellar-basal part. The largest specimen in the lot has a shell height of 40.7 mm. The current systematic position follows Richardson (1995: 148).

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) marmarinus* (d’Orbigny, 1835).

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**Bulimus martinicensis** Pfeiffer, 1846

http://species-id.net/wiki/Bulimus_martinicensis

Figs 53B–C, L37i

*Bulimus martinicensis* Pfeiffer 1846b: 40; Reeve 1849 [1848–1850]: pl. 63 fig. 434.

*Naesiotus martinicensis*; Breure 1975a: 85, pl. 8 figs 5–8, 10; Breure 1979: 70.

Type locality. “island of Martinique”.

Label. “Martinique”, taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.

Dimensions. ”Long. 20, diam. 8 mill.”; figured specimen herein H 19.5, D 8.14, W 7.1.

Type material. NHMUK 197451, lectotype; 197452, two paralectotypes (ex Petit, Cuming coll.).
Remarks. Pfeiffer described this species on the basis of material from Petit. One of the labels is nearly illegible, but corresponds to the handwriting of Petit (cf. Breure 2013: figs 1B, 11ii, 12i). This taxon is transferred to the genus *Protoglyptus* Pilsbry, 1897 based on data presented by Breure and Romero (2012).

Current systematic position. Bulimulidae, *Protoglyptus martinicensis* (Pfeiffer, 1846) (comb. n.).

*Bulimus mejillonensis* Pfeiffer, 1857

http://species-id.net/wiki/Bulimus_mejillonensis

![Image](Figs 8C, L37iii)

*Bulimus mejillonensis* Pfeiffer in Pfeiffer and Dunker 1857: 230; Breure 1979: 56.
*Bostryx mejillonensis*; Breure 1978: 102 (lectotype designation).

Type locality. [Chile] ”Mejillones in deserto Atacamensi”.

Label. ”Desert of Atacama”, taxon label in Pfeiffer’s handwriting. M.C. label style III.

Dimensions. ”Long. 25, diam. 12 mill.”; figured specimen herein H 24.1, D 12.8, W 6.2.

Type material. NHMUK 1975322, lectotype; 1975323, two paralectotypes (Cuming coll.).

Remarks. Pfeiffer did not state on how many specimens his description was based. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, *Bostryx mejillonensis* (Pfeiffer, 1857).

*Bulimus meleagris* Pfeiffer, 1853

http://species-id.net/wiki/Bulimus_meleagris

![Image](Figs 75D–F, L37ii)

*Bulimus meleagris* Pfeiffer 1853b: 257; 1853d: 382; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 81, pl. 21 figs 24–25.

Type locality. ”Andibus Novae Granadae”.

Label. ”Andes N. Granada”, taxon label in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. ”Long. 31, diam. 14 mill.”; figured specimen herein H 31.3, D 16.0, W 5.0.

Type material. NHMUK 20100583, lectotype and one paralectotype (Cuming coll.).

Remarks. One of the specimens corresponds to the original measurements and Pfeiffer’s figure, and is here designated lectotype (design. n.). The paralectotype is subadult. Upon re-examining these specimens, it is clear that the specimens referred to by Breure (1978: 219, pl. 7 fig. 18) are not this species. If the type locality is correct, this species might be expected in southern Colombia or the adjacent region in Ecuador.

Current systematic position. Bulimulidae, *Stenostylus meleagris* (Pfeiffer, 1853).
**Bulimus meridanus** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_meridanus
Figs 22J, L37iv

*Bulimus meridanus* Pfeiffer 1846a: 33; Reeve 1848 [1848–1850]: pl. 57 fig. 386; Breure 1979: 121.

**Type locality.** [Venezuela] "Merida, Andes of Bolivia [sic]."

**Label.** "New Granada". taxon label in Pfeiffer’s handwriting. M.C. label style III, V.

**Dimensions.** "Long. 29, diam. 11 mill."; figured specimen herein H 35.9, D 14.0, W 7.3.

**Type material.** NHMUK 1975523, two syntypes (Cuming coll.).

**Remarks.** Pfeiffer did not state on how many specimens his description was based. The material has a taxon label in Pfeiffer’s handwriting and is considered as syntypes. One of the specimens corresponds to Reeve’s figure.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) meridanus* (Pfeiffer, 1846).

**Bostryx metagyra** Pilsbry & Olsson, 1949
http://species-id.net/wiki/Bostryx_metagyra
Figs 1K, L37v

*Bostryx metagyra* Pilsbry and Olsson 1949: 9, fig. 12; Baker 1963: 229; Neubert and Janssen 2004: 217, pl. 7 fig. 83; Breure 2011: 35.

**Type locality.** "Peru".

**Label.** "without locality, from the original series”.

**Dimensions.** "Height 8.2 mm., diameter 8.6 mm.”; figured specimen herein H 7.2, D 7.6, W 4.9.

**Type material.** NHMUK 20100630, four probable paratypes (ex Weyrauch).

**Remarks.** Pilsbry and Olsson (1949: 10) remarked "paratypes 184900 ANSP and in Museo Historia Natural, Lima, where many specimens were preserved without locality”. As it is known that Weyrauch worked in the Lima museum during many years in the 1940s–1950s (Barbosa et al. 2008), and Weyrauch exchanged many shells, these specimens are considered probable paratypes. Of the supposedly five specimens originally sent by Weyrauch, one is missing and two are broken.

**Current systematic position.** Bulimulidae, *Bostryx metagyra* Pilsbry & Olsson, 1949.
*Bostryx (Bostryx) haasi minor* Weyrauch, 1960
http://species-id.net/wiki/Bostryx_haasi_minor
Fig. 3H

*Bostryx (Bostryx) haasi minor* Weyrauch, 1960a: 35, pl. 5 fig. 34; Breure 1979: 56; Neubert and Janssen 2004: 217, pl. 9 fig. 102.

**Type locality.** [Peru] "Mittel-Peru, am Westhang der westlichen Anden: auf der rechten Seite des Río Rimac, gegenüber der Selterswasserquelle San Mateo (3300 m)".

**Label.** "C-Peru, on the right side of Rio Rimac, above San Mateo, 3300 m"; printed label.

**Dimensions.** "H 19–23.5, D 10.5". Figured specimen herein H 14.0, D 5.2, W 7.9.

**Type material.** NHMUK 1975353, ten paratypes (ex Weyrauch).

**Current systematic position.** Bulimulidae, *Bostryx haasi* Weyrauch, 1960.

*Bulinus modestus* Broderip in Broderip and Sowerby I 1832
http://species-id.net/wiki/Bulinus_modestus
Fig. 6G

*Bulinus modestus* Broderip in Broderip and Sowerby I 1832b: 106; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 19.

**Type locality.** "Peruviae montibus, Huacho".

**Label.** Lost, see remarks.

**Dimensions.** "Long. 1 2/8, lat. 4/8 poll. [H 31.6, D 12.66 mm]"; figured specimen herein H 31.6, D 13.8, W 8.6.

**Type material.** NHMUK 20120232, four possible syntypes (Cuming coll.).

**Remarks.** Broderip described this taxon from the Cuming collection, but did not state on how many specimens his description was based. The label is lost, but considering this material is from the Cuming collection and the specimen figured herein corresponds with the original measurements, the material is considered as possible syntypes.

**Current systematic position.** Bulimulidae, *Bostryx modestus* (Broderip in Broderip and Sowerby I 1832).

*Bulimus mollicellus* Reeve, 1849
http://species-id.net/wiki/Bulimus_mollicellus
Figs 60I–J, L37vi

*Bulimus mollicellus* Reeve 1849 [1848–1850]: pl. 77 fig. 565; Breure 1979: 63. *Bulimus mollicellus*; Breure 1978: 146 (lectotype designation).
Type locality. "—?".

Label. See remarks. M.C. label style III, V.

Dimensions. Not given; figured specimen herein H 17.2, D 7.88, W 5.8.

Type material. NHMUK 1975185, lectotype; 1975186, one paralectotype (Cuming coll.).

Remarks. Reeve did not state on how many specimens his description was based; of the two specimens the smaller corresponds to Reeve’s figure. Lubomirski (1880: 725) identified a shell collected by Jelski in Peru, Dept. Junín, Tarma as this species ("Bulimus (Leptomerus) molecillus [sic]", an error in the name which has been copied by Pilsbry 1897 [1897–1898]: 63). The voucher material is known to exist in the Warsaw museum (D. Mierzwa, pers. commun.); a photograph suggests a conspecific identification for this specimen, which would thereby disclose the region of occurrence for this taxon.

Current systematic position. Bulimulidae, Bulimus mollicellus (Reeve, 1849).

Bulimus monachus Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_monachus
Figs 63A–B, L37vii

Bulimus monachus Pfeiffer 1857c: 333.

Type locality. "Meobamba, Peru".

Label. "Meobamba M. Gueinzius", taxon label in Pfeiffer’s handwriting. M.C. label style I.

Dimensions. "Long. 31, diam. 11 1/2 mill."; figured specimen herein H 31.2, D 12.6, W 8.3.

Type material. NHMUK 20100584, lectotype and two paralectotypes, Gueinzius leg. (Cuming coll.).

Remarks. The specimen which is nearest to the original shell height is herein selected lectotype (design. n.) to define this taxon.

Current systematic position. Bulimulidae, Bulimus monachus (Pfeiffer, 1857).

Bulimus (Bostryx) moniezi Dautzenberg, 1896
http://species-id.net/wiki/Bulimus_moniezi
Figs 1B, L37viii

Bulimus (Bostryx) moniezi Dautzenberg 1896: 224, pl. 7 fig. 3; Breure 1979: 56; Breure 2011: 35, figs 11G, 11vii.

Type locality. "le Haut-Pérou".

Label. "Andes of Bolivia" (handwriting of E.A. Smith?).
Dimensions. "Longit. 14 millim., latit. 6 1/2 millim.;" figured specimen herein H 12.5, D 5.9, W 7.9.

Type material. NHMUK 1908.6.13.22, one possible syntype (ex Preston, ex Dautzenberg?).

Remarks. The specimen is labelled "co-type" but is not accompanied by a Dautzenberg label; however, its type status is not questioned here as Dautzenberg is known to have been in regular contact with Preston and the London museum (Duchamps 1999, Breure unpublished data). The locality on the label is clearly in error (cf. Breure 2011).

Current systematic position. Bulimulidae, Bostryx moniezi (Dautzenberg, 1896).

*Bulimus monilifer* Reeve, 1848

http://species-id.net/wiki/Bulimus_monilifer

Figs 23F, L38i

*Bulimus monilifer* Reeve 1848 [1848–1850]: pl. 48 fig. 318.

*Bulimus indistinctus* Pfeiffer 1852: 63. New name for *Bulimus monilifer* Reeve, 1848 not *B. moniliferus* Gould, 1846.

Type locality. "—?".

Label. "—?”. M.C. label style IV.

Dimensions. Not given; figured specimen herein H 26.3, D 13.22, W 5.7.

Type material. NHMUK 1975403, lectotype; 1975404, one paralectotypes (Cuming coll.).

Remarks. Pfeiffer (1852) introduced a new name for Reeve’s taxon, but since the name of Gould (1846: 99) is sufficiently distinct (*Bulimus moniliferus*, now in *Amphidromus*), this was an unnecessary nomenclatural act. All later authors (see Richardson 1995: 138) have followed Pfeiffer in this error, which is here corrected.

Current systematic position. Bulimulidae, Drymaeus (*Mesembrinus*) monilifer (Reeve, 1848).

*Bulimus montagnei* d’Orbigny, 1837

http://species-id.net/wiki/Bulimus_montagnei

Figs 12D, L37ix

*Bulimus montagnei* d’Orbigny 1837 [1834–1847]: 286, pl. 32 figs 5–7 [3 April 1837; text 6 May 1838]; Gray 1854: 17.

Type locality. [Bolivia] "principalement à la côte de Petaca [Dept. Santa Cruz, Cuevas Petacas; see Breure 1973]."

Label. "côte de Petaca Valle grande (Bolivia)”, in d’Orbigny’s handwriting.
Dimensions. "Long. 21 millim.; lat. 9 mill."; figured specimen herein H 23.3, D 9.4, W 8.0.

Type material. NHMUK 1854.12.4.194, lectotype and seven paralectotype (d'Orbigny coll.).

Remarks. d'Orbigny did not state on how many specimens his description was based. One of the specimens corresponds to d'Orbigny 1837 [1834–1847]: pl. 32 figs 5–6, and is here selected lectotype (design. n.). The protoconch is smooth and relatively small; this taxon—hitherto classified with Drymaeus—is now transferred to the genus Bostryx Troschel, 1847 (comb. n.).

Current systematic position. Bulimulidae, Bostryx montagnei (d'Orbigny, 1837).

Bulimus montevidensis Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_montevidensis
Figs 64G–H, L38ii

Bulimus montevidensis Pfeiffer 1846a: 33; Pfeiffer 1848b: 202; Reeve 1848 [1848–1850]: pl. 19 fig. 114; Breure 1979: 63.
Bulimulus bonariensis (Rafinesque, 1833); Miquel 1991: 98, figs 23–24.

Type locality. "Montevideo, Buenos Ayres".

Label. "Montevideo & Buenos Ayres", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 28, diam. 12 mill."; figured specimen herein H 34.2, D 17.0, W 7.7.

Type material. NHMUK 1975401, four syntypes (Cuming coll.).

Remarks. The current systematic position is according to Miquel (1991).

Current systematic position. Bulimulidae, Bulimulus b. bonariensis (Rafinesque, 1833).

Helix montivaga d’Orbigny, 1835
http://species-id.net/wiki/Helix_montivaga
Figs 15J, L38iv

Helix montivaga d’Orbigny 1835: 14.

Helix montivagus d’Orbigny 1837 [1834–1847]: 275, pl. 34 figs 1–3 [3 April 1837; text 23 April 1838]; Gray 1854: 15.
Naesiotus montivagus; Breure 1975b: 1146.

Type locality. [Bolivia] "provincia Lagunensis (republica Boliviana)”; see remarks.

Label. "pampa ruis; Laguna. Bolivia” [1854.12.4.167], "pampa grande Bolivia” [1854.12.4.168], "[..] Grande S° Cruz Bolivia” [1854.12.4.169], "[illegible]” [1854.12.4.170], all labels in d’Orbigny’s handwriting.
Dimensions. "Longit. 16 millim.; latit. 7 millim."; figured specimen herein H 20.5, D 7.45, W 8.3.

Type material. NHMUK 1854.12.4.167, eight paralectotypes; 1854.12.4.168, seven juvenile paralectotypes; 1854.12.4.169, five paralectotypes; 1854.12.4.170, lectotype and five paralectotypes; 1854.12.4.172, five paralectotypes (d’Orbigny coll.).

Remarks. Orbigny (1835) originally also mentioned “et provincia Entre-Rios (republica Argentina)” as type locality. The type locality was restricted to ”Bolivia, Dept. Santa Cruz” by Breure (1975b: 1146); see also Breure 1973. Miquel (1989a: 62) concluded that this species does not occur in Argentina. One of the syntypes from lot 1854.12.4.170, corresponding to d’Orbigny 1837 [1834–1847]: pl. 34 fig. 2, is here designated as lectotype (design. n.). One specimen each is missing from lots 1854.12.4.167 resp. 1854.12.4.169.

Current systematic position. Bulimulidae, Naesiotus montivagus (d’Orbigny, 1835).

**Bostryx mordani** Breure, 1978
http://species-id.net/wiki/Bostryx_mordani
Fig. 4D

Bostryx mordani Breure 1978: 103, pl. 3 fig. 3.

Type locality. "Peru, Dept. Lima, Río Santa Eulalia valley, 3 km above Autisha, 2500 m, sta. 67”.

Label. "67. Peru, Dept. Lima, Río Santa Eulalia valley, 3 km above Autisha, 2500 m”.

Dimensions. "shell height 23.5, diameter 9.1 mm”; figured specimen herein H 22.5, D 8.9, W 7.7.

Type material. NHMUK 1975266, paratype, A.S.H. Breure leg., 1.ii.1975.

Current systematic position. Bulimulidae, Bostryx mordani Breure, 1978

**Bulimus moricandi** Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_moricandi
Figs 22H, L38v

Bulimus moricandi Pfeiffer 1847: 113; Reeve 1848 [1848–1850]: pl. 40 fig. 283; Breure 1979: 121 (lectotype designation).

Drymaeus (Mesembrinus) moricandi; Breure and Eskens 1981: 78, figs 247–248; Thompson 2011: 118.

Type locality. [Guatemala] ”Mount Coban, Central America (Lattre)”.

Label. ”M. Lattre / Coban C Am[érica]”. M.C. label style III, V.

Dimensions. ”Lat. 24, diam. 12 mill.”; figured specimen herein H 23.6, D 12.7, W 5.8.

Type material. NHMUK 1975212, lectotype (Cuming coll.).
Remarks. Pfeiffer did not state on how many specimens his description was based. The lectotype, however, matches the original measurements and also corresponds to Reeve’s figure. The current systematic position is after Thompson (2011).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) moricandi* (Pfeiffer, 1847).

**Otostomus moritinctus** Martens, 1893
http://species-id.net/wiki/Otostomus_moritinctus
Figs 54I, L39i

*Otostomus moritinctus* Martens 1893 [1890–1901]: 228, pl. 14 figs 9–10; Breure 1979: 121 (lectotype designation); Neubert and Janssen 2004: 218, pl. 16 fig. 191. *Drymaeus (Mesembrinus) moritinctus*; Breure and Eskens 1981: 78; Köhler 2007: 152, fig. 128; Thompson 2011: 120.

Type locality. "W. Mexico: Chilpancingo, in the State of Guerrero, at an elevation of 4600 feet above the sea (*H.H. Smith*)."

Label. "Chilpancingo".

Dimensions. "Long. 26–29, diam. 13 millim."; figured specimen herein H 25.2, D 12.8, W 5.6.

Type material. NHMUK 1901.6.22.841, lectotype; 1901.6.22.842–847, 851–852, eight paralectotypes, H.H. Smith leg. (Godman coll.).

Remarks. The current systematic position follows Thompson (2011).

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) moritinctus* (Martens, 1893).

**Bulimus (Drymaeus) mossi** E.A. Smith, 1896
http://species-id.net/wiki/Bulimus_mossi
Figs 21B, L39iv

*Bulimus (Drymaeus) mossi* E.A. Smith 1896: 243, pl. 8 fig. 8.

Type locality. [Trinidad].

Label. "Trinidad".

Dimensions. "Longit. 21 1/2 millim., diam. 9 1/2"; figured specimen herein H 21.8, D 9.7, W 5.5.

Type material. NHMUK 1912.5.11.1, holotype, W. Moss leg.

Remarks. Smith mentioned that he examined a single specimen.

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) mossi* (E.A. Smith, 1896).
**Bulimus moussoni** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_moussoni
Figs 23L, L39ii

*Bulimus moussoni* Pfeiffer 1853a: 147; Breure 1979: 121 (lectotype designation).
*Drymaeus (Mesembrinus) moussoni*; Breure and Eskens 1981: 78.

**Type locality.** "St. Domingo (Sallé”).
**Label.** "Haiti”, taxon label in Pfeiffer’s handwriting. M.C. label style III.
**Dimensions.** ”Long. 26, diam. 12 mill.”; figured specimen herein H 26.0, D 12.9, W 6.2.

**Type material.** NHMUK 1975210, lectotype; 1975211, two paralectotypes, Sallé leg. (Cuming coll.).

**Remarks.** Pfeiffer did not state on how many specimens his description was based. The published type locality could be interpreted as located in the Dominican Republic, while the label indicates Haiti; he did, however, mention Sallé as collector.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) moussoni* (Pfeiffer, 1853).

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**Bulimus muliebris** Reeve, 1849
http://species-id.net/wiki/Bulimus_muliebris
Figs 18K–L, L39iii

*Bulimus muliebris* Reeve 1849 [1848–1850]: pl. 81 fig. 598.
*Drymaeus muliebris*; Linares and Vera 2012: 197.

**Type locality.** ”New Granada”.
**Label.** ”New Granada”.
**Dimensions.** Not given; figured specimen herein H 29.9, D 13.06, W 6.6.
**Type material.** NHMUK 1879.2.26.251, lectotype (ex Taylor).

**Remarks.** Reeve did not mention on how many specimens his description was based. The sole specimen corresponds to Reeve’s figure and is here designated lectotype (*design. n.*). The current systematic position as a separate taxon follows Richardson (1995). This specimen has been recognized in material from Colombia, Dept. Santander, Los Santos (Breure and Borrero, unpublished data), as first precise locality for this taxon.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) muliebris* (Reeve, 1849).
**Drymaeus multispira** da Costa, 1904
http://species-id.net/wiki/Drymaeus_multispira
Figs 11C, L39vi

Drymaeus multispira da Costa 1904: 5, pl. 1 fig. 4; Breure 1979: 122 (lectotype designation).

**Type locality.** “Chuco Chaca, Bolivia, 4,000 feet”.

**Label.** “Chuco Chaca / Bolivia 4000 ft”, in da Costa’s handwriting.

**Dimensions.** “Long. 20, diam. 11 mm.”; figured specimen herein H 19.9, D 11.11, W 6.5.

**Type material.** NHMUK 1907.11.21.31, lectotype (da Costa coll.).

**Remarks.** da Costa wrote “the shells of this species”, implying that he had seen more than one specimen. Breure (1979) referred to this (subadult) specimen as ”HT BMNH 1907.21.31”; under Art. 74.6 ICZN Breure’s designation may be considered as a lectotype designation. The protoconch is sculptured with very indistinct spiral lines and some granules; the taxon is here transferred to Bostryx sensu Breure 1979 (comb. n.); see also Breure 2012b. It is now considered as a subjective junior synonym of Helix torallyi d’Orbigny, 1835 (syn. n.).

**Current systematic position.** Bulimulidae, Bostryx torallyi (d’Orbigny, 1835).

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**Bulimus munsterii** d’Orbigny, 1837
http://species-id.net/wiki/Bulimus_munsterii
Figs 74D, L39v

Bulimus munsterii d’Orbigny 1837 [1834–1847]: 278, pl. 34 figs 4–7 [3 April 1837; text 23 April 1838]; Gray 1854: 16.

Naesiotus munsterii; Breure, 1975b: 1147 (lectotype designation); Miquel 1989a: 67, figs 7–8.

**Type locality.** "la côte de Petaca (...) dans les plaines de Santa-Cruz de la Sierra, en Bolivía”; see Breure 1973.

**Label.** ”cote de Petaca Sª Cruz”, in d’Orbigny’s handwriting.

**Dimensions.** ”Longueur, 23 millimètres; largeur, 10 millimètres”; figured specimen herein H 21.7, D 10.85, W 8.2.

**Type material.** NHMUK 1854.12.11.177, six paralectotypes (d’Orbigny coll.).

**Remarks.** This taxon was published with a wrong name (Helix camba) in the legend of the plate (as noticed and corrected by d’Orbigny in his text and on the label). According to Coan et al. (2013a: 33) d’Orbigny’s plate 34 was published on 3 April 1837 and his text on 23 April 1838. The correct date of publication of the taxon is therefore 1837. The figured specimen herein corresponds to d’Orbigny 1837 [1834–1847]: pl. 34 figs 5–6. The current systematic position is according to Miquel 1989a.

**Current systematic position.** Bulimulidae, Naesiotus munsterii (d’Orbigny, 1837).
Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea)...

**Bulimus murrinus** Reeve, 1848
http://species-id.net/wiki/Bulimus_murrinus
Figs 38J–L, L40i

*Bulimus murrinus* Reeve 1848 [1848–1850]: pl. 43 fig. 273b; Breure 1979: 111 (lectotype designation).

*Drymaeus murrinus*; Linares and Vera 2012: 188 [partim].

**Type locality.** "Santa Fé de Bogota".

**Label.** "Marinata / New Granada", taxon label also in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** Not given; figured specimen herein H 37.1, D 16.2, W 6.8.

**Type material.** NHMUK 1975213, lectotype (Cuming coll.).

**Remarks.** The specimen designated lectotype by Breure (1979) corresponds to Reeve 1848 [1848–1850]: pl. 43 fig. 273b only. The shell corresponding to Reeve’s fig. 273a has not been found, but appears to be a distinct taxon. As a consequence *Bulimus murrinus* has been misinterpreted by most authors, and all references in literature have to be viewed with this in mind. This interpretation of *B. murrinus* is based on data not yet published by Breure and Borrero.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) murrinus* (Reeve, 1848).

**Bulimus musivus** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_musivus
Figs 29J–L, L39vi

*Bulimus musivus* Pfeiffer 1855d: 95, pl. 31 fig. 3; Breure 1979: 111 (lectotype designation).

*Drymaeus (Drymaeus) strigatus* (Sowerby I, 1833); Breure and Eskens 1981: 41.

**Type locality.** "Meobamba, Eastern Peru (Mr. Yates)".

**Label.** "Meobamba Eastern / Peru M Yates", taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 22, diam. 9 1/2 mill."); figured specimen herein H 21.5, D 11.9, W 6.3.

**Type material.** NHMUK 1975292, lectotype; 1975293, two paralectotypes, Yates leg. (Cuming coll.).

**Remarks.** The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) strigatus* (Sowerby I, 1833).
**Bulimus myristicus** Reeve, 1849
http://species-id.net/wiki/Bulimus_myristicus
Figs 57G–I, L40ii

*Bulimus myristicus* Reeve 1849 [1848–1850]: pl. 72 fig. 520; Breure 1979: 101 (lectotype designation).

**Type locality.** "Andes of Caxamarca, Peru".
**Label.** "Andes of Caxamarca, Peru". M.C. label style IV.
**Dimensions.** Not given; figured specimen herein H 40.3, D 17.6, W 8.1.
**Type material.** NHMUK 1975433, lectotype, W. Lobb leg. (Cuming coll.).
**Remarks.** The current systematic position is following Richardson (1995), *Bulimus decussatus* Reeve, 1849 having page priority; in Richardson’s index this taxon is erroneously grouped with *Neopetraeus cora* (d’Orbigny, 1835).

**Current systematic position.** Bulimulidae, *Neopetraeus decussatus* (Reeve, 1849).

**Bulimus nanus** Reeve, 1849
http://species-id.net/wiki/Bulimus_nanus
Figs 2G–H, L40iv

*Bulimus nanus* Reeve 1849 [1848–1850]: pl. 70 fig. 585; Breure 1979: 56.

**Type locality.** "Chili".
**Label.** "Chili". M.C. label style I.
**Dimensions.** Not given; figured specimen herein H 15.4, D 4.75, W 7.8.
**Type material.** NHMUK 1975463, six syntypes (Cuming coll.).
**Remarks.** The material was found with the specimens still glued on cardboard; one specimen was removed and is figured herein. Rehder (1945: 106) provided a new name for *Bulimus nanus* Reeve, 1849 non Lamarck, 1804. The current systematic position is according to Stuardo and Vega (1985).

**Current systematic position.** Bulimulidae, *Bostryx pumilio* Rehder, 1945.

**Bulimus (Otostomus) napo** Angas, 1878
http://species-id.net/wiki/Bulimus_napo
Figs 47G–I, L40iii

*Bulimus (Otostomus) napo* Angas 1878b: 312, pl. 18 figs 4–5; Breure 1979: 111. *Drymaeus (Drymaeus) quadrifasciatus* (Angas, 1878); Breure and Borrero 2008: 22.

**Type locality.** "Ecuador".
**Label.** "Ecuador".
Dimensions. "Alt. 1 inch 3 lines, diam. 5 1/2 lines [H 31.7, D 11.6 mm]"; figured specimen herein H 31.3, D 15.0, W 6.4.

Type material. NHMUK 1879.1.21.4, lectotype (ex Angas).

Remarks. As Angas did not state on how many specimens his description was based, the reference of Breure (1979) to "HT 1879.1.21.4" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The current systematic position follows Breure and Borrero (2008).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) quadrifasciatus (Angas, 1878).

_Bulimus nigrofasciatus_ Pfeiffer in Philippi 1846

http://species-id.net/wiki/Bulimus_nigrofasciatus

Figs 21J, L40v–vi

_Bulimus nigrofasciatus_ Pfeiffer in Philippi 1846 [1845–1847]: 125, pl. 5 fig. 7; Reeve 1848 [1848–1850]: pl. 55 fig. 379.

_Mesembrinus nigrofasciatus_; Simone 2006: 146, fig. 488.

_Drymaeus nigrofasciatus_; Linares and Vera 2012: 198 [partim].

Type locality. "Novae Granadae, vallis Magdalenae".

Label. "Brazil" and "Venezuela" (see remarks), taxon label in Pfeiffer’s handwriting. M.C. label style IV / I.

Dimensions. "Long. 12″″. Diam. 6″″ [H 26.1, D 13.0 mm]"; figured specimen herein H 23.5, D 12.95, W 6.2.

Type material. NHMUK 1975542, lectotype and two paralectotypes; 20120333, one probable syntype (Cuming coll.).

Remarks. According to the labels of lot NHMUK 1975542, the specimens would have originated from Brazil. This is probably an erroneous Cumingian label, as the species has only been found in Colombia (Breure and Borrero, unpublished data). A label stating "Bul. helena Quoy" and a second, illegable, label have supposedly been added afterwards. Another label makes clear that one of the specimens was figured by Reeve (1848). As the taxon label is written by Pfeiffer, there is little doubt about the type status of the specimens in this lot. The shell figured by Simone (2006) is a juvenile syntype. Another lot, NHMUK 20120333, was found with locality "Venezuela" (striked-through in pencil), of which the largest specimen is said to originate from the Cuming collection. As this lot also has a taxon label in Pfeiffer’s handwriting, the specimen is considered another probable syntype. It is assumed that the original measurements were given in German lines. The largest specimen in lot NHMUK 1975542 is here designated lectotype (_design. n._) to fixate this taxon, which seems to have been misinterpreted in most cases (Breure and Borrero, unpublished data).

Current systematic position. Bulimulidae, _Drymaeus (Mesembrinus) nigrofasciatus_ (Pfeiffer in Philippi 1846).
**Bulimus nigrolimbatus** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_nigrolimbatus
Figs 75A–C, L40vii

*Bulimus nigrolimbatus* Pfeiffer 1853b: 257; Pfeiffer 1853 in Küster and Pfeiffer 1840–1865: 81, pl. 21 figs 26–30.
*Stenostylus nigrolimbatus*; Breure 1978: 219 (lectotype designation); Breure 2008: 247, figs 11–13.

**Type locality.** "Andes of New Granada".
**Label.** "Andes, N. Granada", taxon label in Pfeiffer’s handwriting, M.C. label style IV.
**Dimensions.** "Long. 28, diam. 10 mill."; figured specimen herein H 28.0, D 16.4, W 4.8.
**Type material.** NHMUK 1975549, lectotype; 197550, one paralectotype (Cuming coll.).
**Remarks.** Breure (2008) has shown that the type specimens are subadults. The species has been found in Colombia, Dept. Santander, Páramaro de Almorzadero, to which the type locality may be restricted (restr. n.).

**Current systematic position.** Bulimulidae, *Stenostylus nigrolimbatus* (Pfeiffer, 1853).

**Bulimus nigropileatus** Reeve, 1849
http://species-id.net/wiki/Bulimus_nigropileatus
Figs 5C, L41i

*Bulimus nigropileatus* Reeve 1849 [1848–1850]: pl. 73 fig. 724 (text no. 725); Breure 1979: 56.
*Bostryx nigropileatus*; Breure 1978: 104 (lectotype designation).

**Type locality.** "Chachapoyas, Alto-Peru".
**Label.** No locality given. M.C. label style I.
**Dimensions.** Not given; figured specimen herein H 20.5, D 10.25, W 7.0.
**Type material.** NHMUK 1975335, lectotype; 1975336, two paralectotypes (Cuming coll.).
**Remarks.** The specimens were said by Reeve to have been collected by W. Lobb and were described from the Cuming collection; the type status is herein not disputed.

**Current systematic position.** Bulimulidae, *Bostryx nigropileatus* (Reeve, 1849).

**Bulimus nitelinus** Reeve, 1849
http://species-id.net/wiki/Bulimus_nitelinus
Figs 22F, L41ii

*Bulimus nitelinus* Reeve 1849 [1848–1850]: pl. 59 fig. 398.
Type locality. "Mexico".

Label. "Mexico". M.C. label style I.

Dimensions. Not given; figured specimen herein H 29.4, D 14.0, W 6.3.

Type material. NHMUK 20100570, lectotype (Cuming coll.).

Remarks. Reeve did not state on how many specimens his description was based. The single specimen, with the colours faded on the ventral side, corresponds to his figure and is here selected lectotype (design.n.). The current systematic position is following Richardson (1995: 177).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) serperastrus (Say, 1830).

*Bulinus nitidus* Broderip in Broderip and Sowerby I 1832

http://species-id.net/wiki/Bulinus_nitidus

Figs 23M, I.41iii

*Bulinus nitidus* Broderip in Broderip and Sowerby I 1832a: 31; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 2; Breure 1979: 122.

*Bulinus nitidus*; Reeve 1848 [1848–1850]: pl. 18 figs 103a–b.

Type locality. "in Peruvia".

Label. "Peru". M.C. label style IV.

Dimensions. "long. 1 1/5, lat. 4/5 poll." [H 30.4, D 20.2 mm]; figured specimen herein H 28.8, D 13.0, W 6.8.

Type material. NHMUK 1975551, five possible syntypes; 1842.5.10.135–138, four + two possible syntypes (see remarks) (Cuming coll.).

Remarks. Broderip described his taxon from the Cuming collection, but did not specify on how many specimens his description was based. Two lots are considered possible syntypes. Lot 1842.5.10.135–138 contains four specimens, with a note by FGN[aggs] that labels had been stuffed inside; also two specimens, which were apparently glued upon the same cardboard, have been added to this lot. Lot 1975551 has been used for the figure in Reeve 1848 [1848–1850]: pl. 18 figs 103a–b, and has also a taxon label in Pfeiffer’s handwriting. Both lots are labelled "Peru". It is unclear upon which shells the record of "Columbia" in Reeve (1848 [1848–1850]) is based. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) cactivorus Broderip in Broderip and Sowerby I 1832.
**Helix nivalis** d’Orbigny, 1835  
http://species-id.net/wiki/Helix_nivalis  
Fig. L41iv

*Helix nivalis* d’Orbigny 1835: 12.  
*Bulimus nivalis*; d’Orbigny 1837 [1834–1847]: 287, pl. 32 figs 8–9 [3 April 1837; text 6 May 1838]; Gray 1854: 18.  
*Scutalus nivalis*; Breure 1975b: 1143 (lectotype designation).

**Type locality.** Not given; ”Potosi (Bolivia)”, in d’Orbigny 1838 [1834–1847]: 288.  
**Label.** ”Potosi, Bolivia”, in d’Orbigny’s handwriting.  
**Dimensions.** Not given; see remarks.  
**Type material.** NHMUK 1854.12.4.144, one paralectotype (d’Orbigny coll.).  
**Remarks.** The type locality was mentioned for the first time by d’Orbigny 1838 [1834–1847]; he also specified the measurements: ”Long. 14 millim.; lat. 9 millim.”. The single specimen is badly damaged and therefore is not figured here. This taxon is probably a juvenile *Kuschelenia* species.  
**Current systematic position.** Bulimulidae, *Kuschelenia*. Nomen inquirendum.

**Drymaeus notabilis** da Costa, 1906  
http://species-id.net/wiki/Drymaeus_notabilis  
Figs 32J–L, L41v

*Drymaeus notabilis* da Costa 1906a: 7, pl. 1 fig. 2; Breure 1979: 112; Linares and Vera 2012: 188.

**Type locality.** ”Antioquia, Colombia”.  
**Label.** ”Antioquia / Colombia”, in da Costa’s handwriting.  
**Dimensions.** ”Long. 33, diam. 17 mm.”; figured specimen herein H 32.8, D 16.8, W 6.0.  
**Type material.** NHMUK 1907.11.21.5, lectotype (da Costa coll.).  
**Remarks.** Da Costa did not mention on how many specimens his description was based; therefore, the reference of Breure (1979) to ”HT 1907.11.21.5” has to be interpreted as a lectotype designation under Art. 74.6 ICZN.  
**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) notabilis* (da Costa, 1906).

**Drymaeus notatus** da Costa, 1906  
http://species-id.net/wiki/Drymaeus_notatus  
Figs 32G–I, L41vi

*Drymaeus notatus* da Costa 1906a: 7, pl. 1 fig. 3; Breure 1979: 112; Linares and Vera 2012: 189.
**Type locality.** "Antioquia, Colombia".

**Label.** "Antioquia", in da Costa’s handwriting.

**Dimensions.** "Long. 34.5, diam. 16 mm."; figured specimen herein H 34.5, D 15.4, W 6.5.

**Type material.** NHMUK 1907.11.21.6, lectotype; 1907.11.21.7, one paralectotype (da Costa coll.).

**Remarks.** da Costa did not mention on how many specimens his description was based; in his remarks he wrote "this shell", but as there were two specimens in the type lot, this cannot be interpreted as reference to a single shell. The reference of Breure (1979) to "HT 1907.11.21.6" has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) notatus* (da Costa, 1906).

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**Bulimus nubeculatus** Pfeiffer, 1853

http://species-id.net/wiki/Bulimus_nubeculatus

Figs 63E–F, L41vii

*Bulimus nubeculatus* Pfeiffer 1853b: 257; Breure 1979: 63 (lectotype designation).

*Bulimus corneus nubeculatus*; Thompson 2011: 106.

**Type locality.** "America centrali (Morelet)".

**Label.** "Central Americ[a]", taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 16, diam. 8 1/2 mill."; figured specimen herein H 16.0, D 9.12, W 5.8.

**Type material.** NHMUK 1975407, lectotype; 1975408, two paralectotypes (Cuming coll.).

**Remarks.** This taxon is regarded as a questionable variety of *Bulimulus corneous* (Sowerby I, 1833) by Martens (1893 [1890–1901]: 247) and Pilsbry (1897 [1897–1898]: 56). The exact type locality remains unknown. For the current systematic position we prefer, therefore, to follow Richardson (1995: 68) who treated Pfeiffer’s taxon as a subjective junior synonym of Sowerby’s species.

**Current systematic position.** Bulimulidae, *Bulimus corneous* (Sowerby I, 1833).

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**Bulimus (Drymaeus) nubilus** Preston, 1903

http://species-id.net/wiki/Bulimus_nubilus

Figs 54J–K, L42i

*Bulimus (Drymaeus) nubilus* Preston 1903: 4, text-fig.; Breure 1979: 112.

**Type locality.** "Azarhar de Cartago, Costa Rica".

**Label.** "Azarhar de Cartago, / Costa Rica".
Dimensions. "Diam. maj. 10.5, alt. 25 millim."; figured specimen herein H 22.3, D 10.45, W 6.2.

Type material. NHMUK 1903.5.4.1, lectotype (ex Preston).

Remarks. Preston did not mention on how many specimens his description was based. The single specimen in the NHMUK is not accompanied by a label in Preston’s handwriting, but its type status is here not disputed as the specimen originates from Preston. The record of Breure (1979) of "HT 1903.5.4.1" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The current systematic position follows (Richardson 1995: 170).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) recluzianus (Pfeiffer, 1847).

Bulimus nucinus Reeve, 1850
http://species-id.net/wiki/Bulimus_nucinus
Figs 70G–H, L42ii

Bulimus nucinus Reeve 1850 [1848–1850]: pl. 85 fig. 625; Breure 1979: 86. Scutalus (Vermiculatus) nucinus; Breure 1978: 180 (lectotype designation).

Type locality. "—?".
Label. "—?". M.C. label style IV.
Dimensions. Not given; figured specimen herein H 36.8, D 18.1, W 6.2.
Type material. NHMUK 1975379, lectotype (Cuming coll.).
Remarks. Reeve did not state on how many specimens his description was based, but mentioned the specimens were from Cuming’s collection. The current systematic position is according to Richardson (1995).

Current systematic position. Bulimulidae, Kuschelenia (Vermiculatus) nucinus (Reeve, 1850).

Bulimus nucula Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_nucula
Figs 14G, L42iii

Bulimus nucula Pfeiffer 1853d: 415; Pfeiffer 1854a: 60; Breure 1979: 70. Naesiotus nuculus; Breure and Coppois 1978: 178 (lectotype designation).

Type locality. [Ecuador] "insulis Gallapagos".
Label. "Galapagos". M.C. label style III.
Dimensions. "Long. 11 1/2, diam. 6 mill."; figured specimen herein H 11.25, D 5.62, W 6+. 
Type material. NHMUK 1975155, lectotype; 1975156, three paralectotypes (Cuming coll.).

Remarks. The top of the lectotype is slightly damaged.

Current systematic position. Bulimulidae, *Naesiotus nucula* (Pfeiffer, 1853).

*Bulinus nux* Broderip, 1832
http://species-id.net/wiki/Bulinus_nux
Figs 14A, L42iv

*Bulinus nux* Broderip 1832: 125; Sowerby I 1833 [Sowerby I and II 1832–1841]: figs 37–37*; Reeve 1848 [1848–1850]: pl. 23 fig. 150; Breure 1979: 70.

*Naesiotus nux*; Breure and Coppois 1978: 178 (lectotype designation); Breure and Borrero 2008: 14.

Type locality. "Insula Gallapagos. (Charles’s Island)."

Label. "Charles I. Galapagos". M.C. label style III.

Dimensions. "long. 10/12, lat. 9/12 poll." [H 21.1, D 18.9]; figured specimen herein H 21.5, D 12.06, W 7.2.

Type material. NHMUK 1975172, lectotype: 1975173, three paralectotypes (Cuming coll.).

Remarks. The material is accompanied by labels denoting its figuration in Reeve (1848–1850) and taxon labels in Pfeiffer’s handwriting, one "*Bul. nux*" and one "*Bul. unifasciatus*”. All labels seem to have been glued together during E.A. Smith’s period, who has marked on the board both the locality and the Cumingian origin. The H/D ratio as given by Broderip is probably erroneous.

Current systematic position. Bulimulidae, *Naesiotus nucula* (Broderip, 1832).

*Bulimus nystianus* Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_nystianus
Figs 39J–L, L42v

*Bulimus nystianus* Pfeiffer 1853d: 374; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 99, pl. 32 figs 15–16; Pfeiffer 1854c: 154; Breure 1979: 112 (lectotype designation).

*Drymaeus (Drymaeus) nystianus*; Breure and Borrero 2008: 21.

Type locality. "in valle Pomasqui reipublicae Aequatoris (Bourcier)."

Label. "Valley of / Pomasqui, Equador / Mons Bourcier / Consul General". M.C. label style IV.

Dimensions. "Long. 32, diam. 15 mill."; figured specimen herein H 31.9, D 16.5, W 5.8.
**Type material.** NHMUK 1975573, lectotype; 1975574, two paralectotypes, Bourcier leg. (Cuming coll.).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) nystianus* (Pfeiffer, 1853).

*Drymaeus obliquistriatus* da Costa, 1901
http://species-id.net/wiki/Drymaeus_obliquistriatus
Figs 8E, L42vi

*Drymaeus obliquistriatus* da Costa 1901: 238, pl. 24 fig. 2; Breure 1979: 136.

**Type locality.** "San Pablo, Peru".

**Label.** "San Pablo, Peru", in da Costa’s handwriting.

**Dimensions.** "Long. 30, diam. 12 mm.”; figured specimen herein H 28.9, D 12.7, W 7.8.

**Type material.** NHMUK 1907.11.21.41, lectotype (da Costa coll.).

**Remarks.** The type locality remains unspecified, as there are several localities named "San Pablo" throughout Peru. Da Costa did not mention on how many specimens his description was based. The reference of Breure (1979) to "HT 1907.11.21.41” has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The protoconch of the specimen is smooth, and the shape is like those found in *Bostryx* sensu Breure 1979; therefore, the taxon is now transferred to this genus (comb. n.). There is a mismatch in the taxon name between the label and the published name.

**Current systematic position.** Bulimulidae, *Bostryx obliquistriatus* (da Costa, 1901) (comb. n.).

*Bulimus ochraceus* Morelet, 1863
http://species-id.net/wiki/Bulimus_ochraceus
Figs 71E–F, 71J, L42viii

*Bulimus ochraceus* Morelet 1863: 176, pl. 7 fig. 6; Breure 1979: 86.

*Scutalus (Vermiculatus) ochraceus*; Breure 1978: 180 (lectotype designation).

**Type locality.** [Peru, Dept. Cuzco] "à Soraï et à Salcantaï”.

**Label.** "Pérou. Soraï”, in Morelet’s handwriting.

**Dimensions.** "Long. 37–40; diam. 17–18 mill.”; figured specimen herein H 36.0, D 18.5, W 5.3.

**Type material.** NHMUK 1893.2.4.164, lectotype; 1893.2.4.165–166, two paralectotypes (ex Morelet).

**Remarks.** Morelet remarked that this taxon occurs in the lower part of ‘puna brava’, i.e. at high elevations. The type locality is thus at the slopes of Nevado Salcantay
and near Soray, which is at ca. 4100 m elevation in Dept. Cuzco, to which the type locality is now restricted.

**Current systematic position.** Bulimulidae, *Kuschelenia (Vermiculatus) ochracea* (Morelet, 1863) (**comb. n.**).

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**Bulimus (Drymaeus) ochrocheilus** E.A. Smith, 1877

http://species-id.net/wiki/Bulimus_ochrocheilus
Figs 48A–C, L42vii

*Bulimus (Drymaeus) ochrocheilus* E.A. Smith 1877: 364, pl. 39 fig. 5; Breure 1979: 112. *Drymaeus (Drymaeus) ochrocheilus*; Breure and Borrero 2008: 22.

**Type locality.** "Malacatos, South Ecuador".

**Label.** "Malacatos, S. Ecuador", in E.A. Smith’s handwriting.

**Dimensions.** "Long. 37 mill., diam. 13"; figured specimen herein H 37.1, D 14.2, W 6.8.

**Type material.** NHMUK 1877.3.28.4, lectotype.

**Remarks.** Smith did not mention on how many specimens his description was based. The reference of Breure (1979) to "HT 1877.3.28.4” has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) ochrocheilus* (E.A. Smith, 1877).

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**Bulimus orbignyi** Pfeiffer, 1846

http://species-id.net/wiki/Bulimus_orbignyi
Figs 15D, L43i

*Bulimus orbignyi* Pfeiffer 1846a: 31; Breure 1979: 64 (lectotype designation).

**Type locality.** ”Locality unknown”.

**Label.** ”Bolivia”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 19, diam. 8 mill.”; figured specimen herein H 18.5, D 9.1, W 6.6.

**Type material.** NHMUK 1975349, lectotype; 1975350, two paralectotypes (Cuming coll.).

**Remarks.** In his original publication Pfeiffer stated the type locality as unknown. In Pfeiffer (1848b: 208) he quoted ”prope Lima (De Lattre)”. This may have led Pilsbry (1896 [1895–1896]: 162) to put this taxon into the synonymy of *Bulinus modestus* Broderip, 1832. However, as the material has the taxon label in Pfeiffer’s handwriting, and the measurements closely agree with those originally given, the type status is here not disputed. It is assumed therefore that this is a Bolivian taxon. Breure (1979) classified this taxon with *Bulimus* Leach, 1814. The protoconch sculpture consists
of rather straight axial riblets, which is atypical for this genus. Pfeiffer’s taxon is now transferred to *Naesiotus* sensu Breure 1979 (**comb. n**).

**Current systematic position.** Bulimulidae, *Naesiotus orbignyi* (Pfeiffer, 1846).

*Helix oreades* d’Orbigny, 1835
http://species-id.net/wiki/Helix_oreades
Figs 54L–M, L43ii

*Helix oreades* d’Orbigny 1835: 11.
*Bulimus oreades*; d’Orbigny 1837 [1834–1847]: 270, pl. 31 figs 11–12 [? before 27 Feb. 1837; text 23 April 1838]; Gray 1854: 15.
*Mesembrinus oreades*; Simone 2006: 146, fig. 489.
*Drymaeus oreades*; Cuezzo et al. 2013: 155.

**Type locality.** ”provinvia Corrientes (republica Argentina)”.

**Label.** ”corrientes Rep. argentina”, in d’Orbigny’s handwriting.

**Dimensions.** ”Longit. 32 millim.; latit. 7 millim.”; figured specimen herein $H_{31.6}$, $D_{14.1}$, $W_{6.4}$.

**Type material.** NHMUK 1854.12.4.161, lectotype and five paralectotypes (d’Orbigny coll.).

**Remarks.** The type locality has been specified in d’Orbigny 1838 [1834–1847]: 270 as ”la rive sud du Rio de Santa-Lucia, dans les environs de San-Roque”; see Breure 1973: 120, fig. 8. According to Miquel (1989b: 76) this taxon does not occur in Argentina, but in Brasil. The diameter as given by d’Orbigny (1835) seems to be erroneous, also seen the H/D ration in his figure (d’Orbigny 1837 [1834–1847]: pl. 31 figs 11–12); the publication date of this plate is not given in the collation of Coan et al. (2013a), but is herein assumed to be 1837. The specimen corresponding to this figure is selected lectotype (**design.n**.). The shell height given by Simone (2006) is erroneous.

**Current systematic position.** Bulimulidae, *Drymaeus* (*Mesembrinus*) *oreades* (d’Orbigny, 1835).

*Bulimus orophilus* Morelet, 1860
http://species-id.net/wiki/Bulimus_orophilus
Figs 4H, L43iii

*Bulimus orophilus* Morelet 1860: 374; Morelet 1863: 189, pl. 9 fig. 6; Breure 1979: 56.
*Bostryx orophilus*; Breure 1978: 107 (lectotype designation).

**Type locality.** ”les vallées tempérées des plateaux de Cuzco; (..) notablement à Talavera, Silque, Incahuasi et Mollepata” (restricted to Peru, Dept. Cuzco, Prov. Anta, Distr. Limatambo, Mollepata; Breure 1978).
Label. "Pérou, Mollepata" [.188–190], "Pérou, Ollantaytambo" [.182–184], "Pérou, Talavera" [.191], all in Morelet’s handwriting.

Dimensions. ”Long. 22; diam. 9 mill.”; figured specimen herein H 20.8, D 10.5, W 6+.

Type material. NHMUK 1893.2.4.188, lectotype; 1893.2.4.189–190, two paralectotypes; 1893.2.4.182–184, three paralectotypes; 1893.2.4.191, one paralectotype (ex Morelet).

Remarks. Morelet described this taxon based on various specimens and described also two colour forms. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, Bostryx orophilus (Morelet, 1860).

Bulimus (Drymaeus) orthostoma E.A. Smith, 1877
http://species-id.net/wiki/Bulimus_orthostoma
Figs 29A–C, L43iv

Bulimus (Drymaeus) orthostoma E.A. Smith 1877: 364, pl. 39 fig. 5; Breure 1979: 112. Drymaeus (Drymaeus) orthostomus [sic]; Breure and Borrero 2008: 22.

Type locality. ”Ecuador?”.

Label. ”Ecuador”. M.C. label style III.

Dimensions. ”Long. 37 mill., diam. 11 1/2”; figured specimen herein H 36.5, D 13.05, W 6.5.

Type material. NHMUK 1975132, lectotype; 1975133, two paralectotypes, Buckley leg. (Cuming coll.).

Remarks. Smith did not mention that he based himself on a shell from the Cuming collection; the question mark in his published type locality may be associated with this source (see Breure and Ablett 2011: 5). Also the number of specimens on which the description was based was not mentioned by Smith; therefore, the reference of Breure (1979) to ”HT 1975132” has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) orthostoma (E.A. Smith, 1877).

Bulimus pallens Reeve, 1849
http://species-id.net/wiki/Bulimus_pallens
Figs 20J, L43v

Bulimus pallens Reeve 1849 [1848–1850]: pl. 62 fig. 423.

Type locality. ”—?”. 

Label. No locality given. M.C. label style II.

Dimensions. Not given; figured specimen herein H 17.9, D 11.25, W 4.9.
**Type material.** NHMUK 20120056, one syntype (Cuming coll.).

**Remarks.** The shell corresponds with Reeve’s figure; its protoconch sculpture equals those found in *Drymaeus* species. The shell is a juvenile, but at present its systematic specific position cannot be ascertained. This taxon has not been mentioned in monographs (e.g., Pilsbry 1902) or catalogues (e.g., Richardson 1995).

**Current systematic position.** Bulimulidae, *Drymaeus*. Nomen inquirendum.

*Bulimulus* (*Naesiotus*) *pallidus* Reibisch, 1892

http://species-id.net/wiki/Bulimulus_pallidus

Figs 13D, L43vi

*Bulimulus* (*Naesiotus*) *pallidus* Reibisch 1892: 18, pl. 1 fig. 9.

**Type locality.** ”Albemarle-Island (Wolf”).

**Label.** ”Albemarle Is Galapagos”.

**Dimensions.** ”Long. 12.7, diam maj. 6.6 mm”; figured specimen herein H 11.37, D 5.59, W 6.6.

**Type material.** NHMUK 1894.5.8.3, syntype, Theodor Wolf leg.

**Remarks.** Reibisch based his description on four shells, of which only one was fully adult. The current systematic position follows Richardson (1995: 222).

**Current systematic position.** Bulimulidae, *Naesiotus jacobi* (Sowerby I, 1833).

*Bulinus panamensis* Broderip, 1832

http://species-id.net/wiki/Bulinus_panamensis

Figs 18Q, L44i

*Bulinus panamensis* Broderip in Broderip and Sowerby I 1832b: 105; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 25.

**Type locality.** ”Sinu Panamae. (King’s and Saboga Islands.)”.

**Label.** ”Panama”, taxon label in Broderip’s handwriting (?). M.C. label style I.

**Dimensions.** ”long. 1, lat. 1/2 poll.” [H 25.3, D 12.6 mm]; figured specimen herein H 18.2, D 11.0, W 6.2.

**Type material.** NHMUK 20100614, six possible syntypes (Cuming coll.).

**Remarks.** The lot is accompanied by a label—possibly added in the 1980s—stating ”The writing on the old label [Broderip’s handwriting?] on back of board corresponds with that on labels on material purchased from H. Cuming in 1842. Possible type”. The current systematic position is according to Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) translucens panamensis* (Broderip in Broderip and Sowerby I 1832).
**Bulimus papillatus** Morelet, 1860
http://species-id.net/wiki/Bulimus_papillatus
Figs 8E, L44ii

*Bulimus papillatus* Morelet 1860: 372; Morelet 1863: 186, pl. 8 fig. 2; Breure 1979: 56. *Bostryx rhodolarynx papillatus*; Breure 1978: 116.

**Type locality.** "[intimâ Peruvii regionae]" (see remarks).
- **Label.** "Pérou, Pucra", in Morelet’s handwriting.
- **Dimensions.** "Longit 25; diam. 1 1/4 [sic, 14] mill."; figured specimen herein H 22.7, D 18.0, W 6.2.
- **Type material.** NHMUK 1893.2.4.192–194, three syntypes (ex Morelet).
- **Remarks.** Morelet (1863) emended the brief diagnoses published in 1860, and specified the type locality as "notamment à Pucra"; this locality could not be found in gazetteers. The current systematic position follows Breure (1978); the classification by Richardson (1995: 241) with *Neopetraeus* seems to be erroneous.
- **Current systematic position.** Bulimulidae, *Bostryx rhodolarynx papillatus* (Morelet, 1860).

**Bulimus paposensis** Pfeiffer, 1856
http://species-id.net/wiki/Bulimus_paposensis
Figs 9F–H, L44iii

*Bulimus paposensis* Pfeiffer 1856c: 207; Breure 1979: 56. *Bostryx paposensis*; Köhler 2007: 133, fig. 29 (lectotype designation).

**Type locality.** [Chili] "Paposo in deserto Atacamensi reipublicae Chilensis”.
- **Label.** "Atacama", taxon label in Pfeiffer’s handwriting. M.C. label style IV.
- **Dimensions.** "Long. 18, diam. 9 1/2 mill."; figured specimen herein H 21.2, D 10.3, W 6.4.
- **Type material.** NHMUK 1975311, four paralectotypes (Cuming coll.).
- **Remarks.** Pfeiffer described his taxon on the basis of specimens collected by R.A. Philippi. Part of this material reached the ZMB via Albers (Köhler 2007), but apparently part of the material ended up in the Cuming collection. The current systematic position follows Köhler (2007).
- **Current systematic position.** Bulimulidae, *Bostryx paposensis* (Pfeiffer, 1856).
**Bulimus patasensis** Pfeiffer, 1858
http://species-id.net/wiki/Bulimus_patasensis
Figs 56J–L, L44iv

*Bulimus patasensis* Pfeiffer 1858a: 257, pl. 42 fig. 6; Breure 1979: 101. 
*Neopetraeus patasensis*; Breure 1978: 216 (lectotype designation).

**Type locality.** "Province of Patas, Andes of Peru (Dr. Farris)". 
**Label.** "Province of Patas, / Andes of Peru / Dr. Farris", taxon label in Pfeiffer’s handwriting. M.C. label style IV. 
**Dimensions.** "Long. 47, diam. 24 mill."; figured specimen herein H 46.8, D 27.7, W 7.1. 
**Type material.** NHMUK 1975439, lectotype; 1975440, two paralectotypes (Cuming coll.).

**Remarks.** The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Neopetraeus patasensis* (Pfeiffer, 1858).

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**Bulimus patricius** Reeve, 1849
http://species-id.net/wiki/Bulimus_patricius
Figs 75H–I, L44v

*Bulimus patricius* Reeve 1849 [1848–1850]: pl. 81 fig. 600. 
*Drymaeus (Drymaeus) lilacinus* (Reeve, 1849); Breure and Eskens 1981: 29 (lectotype designation); Thompson 2011: 111.

**Type locality.** "—?".

**Label.** "New Granada ?" (see remarks).

**Dimensions.** Not given; figured specimen herein H 52.1, D 25.0, W 8.1.

**Type material.** NHMUK 1874.12.11.220, lectotype (T. Lombe Taylor coll.).

**Remarks.** In his remarks in the text to his plate, Reeve added "probably from New Granada, but I have no authority for stating it to be the locality"; the taxon was described from "Mus. Taylor". The current systematic position follows Richardson (1995: 144) and Thompson (2011), who recognises this as a Guatemalan species.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) lilacinus* (Reeve, 1849).

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**Bostryx spiculatus paucicostatus** Breure, 1978
http://species-id.net/wiki/Bostryx_spiculatus_paucicostatus
Fig. 3D

*Bostryx spiculatus paucicostatus* Breure 1978: 125, figs 183–186; Breure 1979: 56.

**Type locality.** "Peru, Dept. Cuzco, 2.8 km SE Pisac, 2980 m".
Label. "102: Peru, Dept. Cuzco, 2.8 km SE Pisac, 2980 m”.

Dimensions. "H 16.52 D 4.81”; figured specimen herein H 16.5, D 5.0, W 8.0.

Type material. NHMUK 1975267, ten paratypes, A.S.H. Breure leg., 15.ii.1975.

Current systematic position. Bulimulidae, Bostryx spiculatus paucicostatus Breure, 1978.

Helix paziana d’Orbigny, 1835
http://species-id.net/wiki/Helix_paziana
Figs 73I–J, L45i

Helix paziana d’Orbigny 1835: 12.

Bulimus paziana d’Orbigny 1837 [1834–1847]: 286, pl. 32 figs 10–11 [3 April 1837; text 6 May 1838].

Naesiotus pazianus; Breure 1975b: 1147, pl. 8 fig. 1.

Type locality. [Bolivia] ”provincia Sicasica (republica Boliviana)”; see remarks.

Label. Two labels, ”Cavari Sicasica (Bolivia)” and ”rio Miguilla Yungas Bolivia”, in in d’Orbigny’s handwriting.

Dimensions. ”Longit. 27 millim.; long. 11 millim.”, corrected to ”Longit. 25 millim.; lat. 11 millim.” in d’Orbigny 1838 [1834–1847]: 286; figured specimen herein H 24.3, D 12.8, W 6.8.

Type material. NHMUK 1854.12.4.196, eight paralectotypes (d’Orbigny coll.).

Remarks. The type locality refers to the environs of Sicasica, prov. Aroma, Dept. La Paz. In d’Orbigny 1838 [1834-1847] two varieties were mentioned: var. A. ”dans la province de Sicasica, près du bourg de Cavari” (Breure 1973: 129, fig. 7), and var. B. ”sur les coteaux du Rio de Meguilla, entre la ville de Lauza [sic, Laura] et Carcuato [sic, Circuata], province de Yungas” (Breure 1973: 129, fig. 7). Breure (1975b) found in the MNHN collection only material from Cavari, thus var. A; the shell of this variety appeared to belong to Naesiotus. In the NHMUK collection, the specimens from the same locality (1854.12.4.195) prove to be a Bulimulus species; this lot is now excluded from the type series. The protoconch of the specimens in the second lot (1854.12.4.196) show that these can be unambiguously classified in Naesiotus.

Current systematic position. Naesiotus pazianus (d’Orbigny, 1835).

Scutalus (Vermiculatus) peaki Breure, 1978
http://species-id.net/wiki/Scutalus_peaki
Figs 71A–B, 71I

Scutalus (Vermiculatus) peaki Breure 1978: 180, figs 308–313, pl. 10 fig. 20; Breure 1979: 86.

Type locality. ”Peru, Dept. Ancash, 20 km [W] Huaráz, 3750 m”.

Label. ”Peru, Dept. Ancash, 20 km W Huaráz, 3750 m”.

Helix paziana d’Orbigny, 1835
http://species-id.net/wiki/Helix_paziana
Figs 73I–J, L45i

Helix paziana d’Orbigny 1835: 12.

Bulimus paziana d’Orbigny 1837 [1834–1847]: 286, pl. 32 figs 10–11 [3 April 1837; text 6 May 1838].

Naesiotus pazianus; Breure 1975b: 1147, pl. 8 fig. 1.

Type locality. [Bolivia] ”provincia Sicasica (republica Boliviana)”; see remarks.

Label. Two labels, ”Cavari Sicasica (Bolivia)” and ”rio Miguilla Yungas Bolivia”, in in d’Orbigny’s handwriting.

Dimensions. ”Longit. 27 millim.; long. 11 millim.”, corrected to ”Longit. 25 millim.; lat. 11 millim.” in d’Orbigny 1838 [1834–1847]: 286; figured specimen herein H 24.3, D 12.8, W 6.8.

Type material. NHMUK 1854.12.4.196, eight paralectotypes (d’Orbigny coll.).

Remarks. The type locality refers to the environs of Sicasica, prov. Aroma, Dept. La Paz. In d’Orbigny 1838 [1834-1847] two varieties were mentioned: var. A. ”dans la province de Sicasica, près du bourg de Cavari” (Breure 1973: 129, fig. 7), and var. B. ”sur les coteaux du Rio de Meguilla, entre la ville de Lauza [sic, Laura] et Carcuato [sic, Circuata], province de Yungas” (Breure 1973: 129, fig. 7). Breure (1975b) found in the MNHN collection only material from Cavari, thus var. A; the shell of this variety appeared to belong to Naesiotus. In the NHMUK collection, the specimens from the same locality (1854.12.4.195) prove to be a Bulimulus species; this lot is now excluded from the type series. The protoconch of the specimens in the second lot (1854.12.4.196) show that these can be unambiguously classified in Naesiotus.

Current systematic position. Naesiotus pazianus (d’Orbigny, 1835).

Scutalus (Vermiculatus) peaki Breure, 1978
http://species-id.net/wiki/Scutalus_peaki
Figs 71A–B, 71I

Scutalus (Vermiculatus) peaki Breure 1978: 180, figs 308–313, pl. 10 fig. 20; Breure 1979: 86.

Type locality. ”Peru, Dept. Ancash, 20 km [W] Huaráz, 3750 m”.

Label. ”Peru, Dept. Ancash, 20 km W Huaráz, 3750 m”.

Helix paziana d’Orbigny, 1835
http://species-id.net/wiki/Helix_paziana
Figs 73I–J, L45i

Helix paziana d’Orbigny 1835: 12.

Bulimus paziana d’Orbigny 1837 [1834–1847]: 286, pl. 32 figs 10–11 [3 April 1837; text 6 May 1838].

Naesiotus pazianus; Breure 1975b: 1147, pl. 8 fig. 1.

Type locality. [Bolivia] ”provincia Sicasica (republica Boliviana)”; see remarks.

Label. Two labels, ”Cavari Sicasica (Bolivia)” and ”rio Miguilla Yungas Bolivia”, in in d’Orbigny’s handwriting.

Dimensions. ”Longit. 27 millim.; long. 11 millim.”, corrected to ”Longit. 25 millim.; lat. 11 millim.” in d’Orbigny 1838 [1834–1847]: 286; figured specimen herein H 24.3, D 12.8, W 6.8.

Type material. NHMUK 1854.12.4.196, eight paralectotypes (d’Orbigny coll.).

Remarks. The type locality refers to the environs of Sicasica, prov. Aroma, Dept. La Paz. In d’Orbigny 1838 [1834-1847] two varieties were mentioned: var. A. ”dans la province de Sicasica, près du bourg de Cavari” (Breure 1973: 129, fig. 7), and var. B. ”sur les coteaux du Rio de Meguilla, entre la ville de Lauza [sic, Laura] et Carcuato [sic, Circuata], province de Yungas” (Breure 1973: 129, fig. 7). Breure (1975b) found in the MNHN collection only material from Cavari, thus var. A; the shell of this variety appeared to belong to Naesiotus. In the NHMUK collection, the specimens from the same locality (1854.12.4.195) prove to be a Bulimulus species; this lot is now excluded from the type series. The protoconch of the specimens in the second lot (1854.12.4.196) show that these can be unambiguously classified in Naesiotus.

Current systematic position. Naesiotus pazianus (d’Orbigny, 1835).
Dimensions. "H 25.6 D 15.27"; figured specimen herein H 23.5, D 15.7, W 5.8.

Type material. NHMUK 1975579, three paratypes, F.G. Thompson leg., 31.iii.1971.

Current systematic position. Bulimulidae, *Kuschelenia* (*Vermiculatus*) *peaki* (Breure, 1978) (*comb. n.*).

*Drymaeus expansus perenensis* da Costa, 1901
http://species-id.net/wiki/Drymaeus_expansus_perenensis
Figs 54A–B, L45ii

*Drymaeus expansus perenensis* da Costa 1901: 239, pl. 24 fig. 5; Breure 1979: 112.

Type locality. "Peréné, Peru" [Dept. Junín, Peréné].

Label. "Peréné, Peru", in da Costa’s handwriting.

Dimensions. "Long. 46, lat. 23 mm."; figured specimen herein H 45.8, D 23.4, W 6.7.

Type material. NHMUK 1907.11.21.39, lectotype, C. Codd leg. (da Costa coll.).

Remarks. da Costa did not mention on how many specimens his description was based. The reference of Breure (1979) to "HT 1907.11.21.39" has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

Current systematic position. Bulimulidae, *Drymaeus (D.) expansus perenensis* da Costa, 1901.

*Bulimulus pergracilis* Rolle, 1904
http://species-id.net/wiki/Bulimulus_pergracilis
Figs 54G, L45iii

*Bulimulus pergracilis* Rolle 1904: 37.

*Drymaeus (Drymaeus) pergracilis*; Breure 1979: 112.

Type locality. "Huancabamba in Peru".

Label. "Huancabamba / Peru", in Rolle’s handwriting.

Dimensions. "Alt. 35, diam. max. 12 mm."; figured specimen herein H 33.2, D 11.0, W 7.8.

Type material. NHMUK 1922.2.4.33, lectotype (ex Rolle).

Remarks. Rolle did not mention on how many specimens his description was based. The reference of Breure (1979) to "HT 1922.2.4.33" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. See also remarks on locality and publication date under *Bulimulus (Drymaeus) abruptus* Rolle, 1904.

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) pergracilis* (Rolle, 1904).
**Bulimus perspectivus** Pfeiffer, 1846  
http://species-id.net/wiki/Bulimus_perspectivus  
Figs 13I, L45iv

*Bulimus perspectivus* Pfeiffer 1846a: 33; Pfeiffer 1848b: 97; Reeve 1849 [1848–1850]: pl. 63 fig. 435; Breure 1979: 71.  
*Naesiotus perspectivus*; Breure and Coppois 1978: 181 (lectotype designation); Breure and Borrero 2008: 14.

**Type locality.** "Locality unknown".

**Label.** "Galapagos Is." (in E.A. Smith’s handwriting), taxon label in Pfeiffer’s handwriting, M.C. label style III, V.

**Dimensions.** "Long. 16, diam. 6 1/2 mill."; figured specimen herein H 15.7, D 6.34, W 6.8.

**Type material.** NHMUK 1975166, lectotype; 1975176, two paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer described this taxon from Cuming’s collection, but did not state on how many specimens his description was based. Reibisch (1892: 19) reported this taxon for the first time from a precise locality, ”Chatham Island, Galapagos”, on account of specimens collected by Th. Wolf.

**Current systematic position.** Bulimulidae, *Naesiotus perspectivus* (Pfeiffer, 1846).

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**Bulimus pervariabilis** Pfeiffer, 1853  
http://species-id.net/wiki/Bulimus_pervariabilis  
Figs 21I, L45iv

*Bulimus pervariabilis* Pfeiffer 1853d: 337; Pfeiffer 1854a: 59; Breure 1979: 122 (lectotype designation).  
*Drymaeus (Mesembrinus) perviabilis*; Breure and Eskens 1981: 81, pl. 6 fig. 3.  
*Drymaeus perviabilis*; Linares and Vera 2012: 199 [partim].

**Type locality.** "Columbia".

**Label.** "New Granada", taxon label in Pfeiffer’s handwriting, M.C. label style IV.

**Dimensions.** "Long. 33, diam. 14 1/2 mill."; figured specimen herein H 33.3, D 17.1, W 6.7.

**Type material.** NHMUK 1975547, lectotype; 1975548, two paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer gave "Columbia" [= Colombia] as type locality; the Cumingian material is, however, labelled as "New Granada", which may refer to a broader area than Colombia. During a revision of Colombian *Drymaeus* species, Breure and Borrero were unable to recognize this taxon in the material studied (unpublished data); the data in Linares and Vera (2012) have to viewed with suspicion.
Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) perviabilis* (Pfeiffer, 1853).

*Bulimus pervius* Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_pervius
Figs 64C–D, L45vi

*Bulimus pervius* Pfeiffer 1853d: 651; 1854b: 50; Breure 1979: 64. *Bulimus pervius*; Breure 1978: 146 (lectotype designation).

Type locality. ”—?”.
Label. No locality given. Taxon label in Pfeiffer’s handwriting. M.C. label style IV.
Dimensions. ”Long. 24, diam. 12 mill.”; figured specimen herein H 24.3, D 14.0, W 6.4.
Type material. NHMUK 1975165, lectotype (Cuming coll.).
Remarks. No locality was given in both papers of Pfeiffer. According to Duncan (1937) the paper of Pfeiffer (1853–1854) appeared in two parts, p. 48 on December 13, 1853 and p. 49–53 on March 22, 1854. Breure (1978) suggested that this taxon may prove to be related or identical to *Bulimulus riisei* (Pfeiffer, 1855); in the latter case *B. pervius* will have priority.

Current systematic position. Bulimulidae, *Bulimus pervius* (Pfeiffer, 1853).

*Bulimus pessulatus* Reeve, 1848
http://species-id.net/wiki/Bulimus_pessulatus
Figs 64A–B, L46i

*Bulimus pessulatus* Reeve 1848 [1848–1850]: pl. 23 fig. 153; Pilsbry 1896 [1895–1896]: 188, pl. 51 fig. 4; Breure 1979: 64. *Bulimus apodemetes* (d’Orbigny, 1835); Breure 1978: 141 (lectotype designation); Cuezzo et al. 2013: 149.

Type locality. ”Santa Cruz de la Sierra, Bolivia”.
Label. ”Bolivia”. M.C. label style IV.
Dimensions. Not given; figured specimen herein H 21.6, D 13.45, W 5.5.
Type material. NHMUK 1975313, lectotype; 1975314, two paralectotypes (Cuming coll.).
Remarks. This taxon was described by Reeve on the basis of material collected by Bridges in the Cuming collection. The collector is not mentioned on the label, but the specimen confirms to Reeve’s figure and its type status is not disputed here. The current systematic position is according to Pilsbry (1896 [1895–1896]) and Miquel (1991), but takes into account the new combination made for this taxon.

Current systematic position. Bulimulidae, *Bostryx apodemetes* (d’Orbigny, 1835).
**Bulimus petenensis** Morelet, 1851
http://species-id.net/wiki/Bulimus_petenensis
Figs 63M–N, L45vii

*Bulimus petenensis* Morelet 1851: 10; Breure 1979: 64 (lectotype designation); Neubert and Janssen 2004: 222, pl. 10 fig. 108.

*Bulimus unicolor petenensis*; Breure 1978: 149.

*Bulimus unicolor* (Sowerby I, 1833); Thompson 2011: 107.

**Type locality.** [Guatemala] ”campos Petenensis”.

**Label.** ”Savanes du Peten”, in Morelet’s handwriting.

**Dimensions.** ”Longit. 19.—Diam. 8”; figured specimen herein H 18.7, D 9.23, W 5.5.

**Type material.** NHMUK 1893.2.4.1176, lectotype; 1893.2.4.1177–1178, paralectotypes (ex Morelet).

**Remarks.** Morelet did not state on how many specimens his description was based. The current systematic position follows Thompson (2011).

**Current systematic position.** Bulimulidae, *Bulimus unicolor* (Sowerby I, 1833).

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**Bulimus petiti** Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_petiti
Figs 70I–J, L46ii

*Bulimus petiti* Pfeiffer 1846a: 31; Reeve 1848 [1848–1850]: pl. 37 fig. 222; Breure 1979: 86.

*Scutalus (Vermiculatus) petiti*; Breure 1978: 181 (lectotype designation).

**Type locality.** ” Peru”.

**Label.** ”Bolivia”, ”Chachopo”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 26, diam. 16 mill.”; figured specimen herein H 36.0, D 18.5, W 5.8.

**Type material.** NHMUK 1975374, lectotype; 1975375, one paralectotype (Cuming coll.).

**Remarks.** Pfeiffer described the taxon from ” Peru” on account of specimens from the Cuming collection. Reeve based himself on the same collection and gave ”Chacopo [sic], Bolivia”; one of labels mentions ”Chachopo”, which is in Venezuela where this genus does not occur. The measurements given by Pfeiffer appear to have been erroneous, as already mentioned by Pilsbry (1897 [1897–1898]: 21) and Breure (1978). With the taxon label in Pfeiffer’s handwriting, the type status of this material is not disputed. Weyrauch (1967a: 387) considered this taxon as a distinct species from Peru. However, the region where it may be found has still to be confirmed.

**Current systematic position.** Bulimulidae, *Kuschelenia (Vermiculatus) petiti* (Pfeiffer, 1846) (comb. n.).
**Bulimus philippii** Pfeiffer, 1842
http://species-id.net/wiki/Bulimus_philippii
Figs 6F, L46iii

*Bulimus philippii* Pfeiffer 1842: 120; 1848b: 208.

**Type locality.** "Peru; prope Lima".

**Label.** "Peru", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 20, diam. 10 mill."; figured specimen herein H 24.3, D 14.1, W 6.8.

**Type material.** NHMUK 1975348, four syntypes (Cuming coll.).

**Remarks.** Pfeiffer first mentioned his taxon as a synonym of "*[Bulimus] striatulus* Sow.", and stated in Pfeiffer (1848b) it was meant as a new name for that taxon, which was preoccupied by *Bulimus striatum* Lamarck, 1822. The taxon is available under Art. 11.6.1 ICZN. The locality and dimensions quoted above are derived from Pfeiffer (1848b). The largest shell in the lot is figured herein. The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Bostryx modestus* (Broderip in Broderip and Sowerby I 1832).

**Bulimulus (Naesiotus) phlegonis** Dall & Ochsner, 1928
http://species-id.net/wiki/Bulimulus_phlegonis
Figs 14F, L46iv

*Bulimulus (Naesiotus) ustulatus* var. *phlegonis* Dall and Ochsner 1928: 160, pl. 9 figs 11–12, 15–17.

**Type locality.** [Ecuador, Galápagos, Isla San Cristóbal] "lemon grove, on bushes at 1650 ft.".

**Label.** "Galapagos Isl. / Charles Isl".

**Dimensions.** Not given; figured specimen herein H 12.5, D 7.90, W 6.0.

**Type material.** NHMUK 1937.6.1.8.2–5, four possible syntypes, California Academy of Sciences Expedition 1905–1906 leg. (ex Schlesch).

**Remarks.** These specimens have been purchased from Schlesch as syntypes. However, their status has to be treated with much caution (see *lycodus*, p. 116). The current systematic position is according to Richardson (1995).

**Current systematic position.** Bulimulidae, *Naesiotus ustulatus* (Sowerby I, 1833).
**Bulimus phryne** Pfeiffer, 1863
http://species-id.net/wiki/Bulimus_phryne
Figs 39G–I, L46v

*Bulimus phryne* Pfeiffer 1863: 274; Pfeiffer 1859b: 444; Breure 1979: 112 (lectotype designation).

**Type locality.** ”Andes of Peru”.

**Label.** ”Andes of Peru”, taxon label in Pfeiffer’s handwriting. M.C. label style III.

**Dimensions.** ”Long. 31, diam. 12 mill.”; figured specimen herein H 30.8, D 13.05, W 6.7.

**Type material.** NHMUK 1975214, lectotype; 1975215, two paralectotypes (Cuming coll.).

**Remarks.** The current systematic position is according to Richardson (1995).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) murrinus* (Reeve, 1848).

**Bulimus pictus** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_pictus
Figs 11H, L46vi

*Bulimus pictus* Pfeiffer 1855a: 58; Pfeiffer 1859b: 483; Breure 1979: 57.

*Bostryx pictus*; Breure 1978: 109, pl. 10 fig. 15 (lectotype designation).

**Type locality.** ”Peru”.

**Label.** ”Peru”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 23, diam. 11 mill.”; figured specimen herein H 22.5, D 12.1, W 7.2.

**Type material.** NHMUK 1975545, lectotype; 1975546, two paralectotypes (Cuming coll.).

**Remarks.** The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Bostryx pictus* (Pfeiffer, 1855).

**Buliminus pilosus** Guppy, 1871
http://species-id.net/wiki/Buliminus_pilosus
Figs 55A, L46vii

*Buliminus pilosus* Guppy 1871: 310, pl. 17 fig. 12; Breure 1979: 71.

*Naesiotus pilosus*; Breure 1975a: 80, pl. 8 figs 1–3.

**Type locality.** ”[Trinidad]”.

*Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea)... 151*
Label. "Trinidad".

Dimensions. "Length 14 mill., breath 7 mill."; figured specimen herein H 14.95, D 8.05, W 6.5.

Type material. NHMUK 1875.2.8.3, four syntypes (ex R. Lechmere Guppy).

Remarks. Breure and Romero (2012) have recently shown that the West Indian members of *Naesiotus* fall in a distinct clade. Therefore, this species is now transferred to the genus *Protoglyptus* Pilsbry, 1897.

Current systematic position. Bulimulidae, *Protoglyptus pilosus* (Guppy, 1871) (comb.n.).

*Bulimus platystomus* Pfeiffer, 1858

http://species-id.net/wiki/Bulimus_platystomus

Figs 57J–L, L46viii

*Bulimus platystomus* Pfeiffer 1858a: 256, pl. 42 fig. 2; Breure 1979: 101.

*Neopetraeus platystomus*; Breure 1978: 217, pl. 8 figs 5–6 (lectotype designation).

Type locality. "Province of Patas, Andes of Peru (Dr. Farris)".

Label. "Province of Patas, / Andes of Peru / Dr. Farris", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 40, diam. 18 mill."; figured specimen herein H 34.4, D 22.0, W 5+.

Type material. NHMUK 1975428, lectotype; 1975429, two paralectotypes (Cuming coll.).

Remarks. The measurements given originally by Pfeiffer seem to be erroneous. The type status of this lot is not disputed herein, and the specimen selected as lectotype corresponds to Pfeiffer’s figure. The top of the lectotype is damaged.

Current systematic position. Bulimulidae, *Neopetraeus platystomus* (Pfeiffer, 1858).

*Bulimus (Drymaeus) plicatoliratus* da Costa, 1898

http://species-id.net/wiki/Bulimus_plicatoliratus

Figs 39D–F, L47i

*Bulimus (Drymaeus) plicatoliratus* da Costa 1898: 80, pl. 6 fig. 1; Breure 1979: 113.

Type locality. [Colombia] "Bogotá".

Label. "Bogota".

Dimensions. "Long. 37, diam. 15.5 mm."; figured specimen herein H 36.6, D 16.8, W 6.6.

Type material. NHMUK 1907.11.21.120, lectotype; 1907.11.21.121, one paralectotype (da Costa coll.).
Remarks. da Costa did not mention on how many specimens his description was based. The reference of Breure (1979) to "HT 1907.11.21.120" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. This taxon is now considered to be a junior subjective synonym of *Bulimus convexus* Pfeiffer, 1855 (syn. n.).

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) convexus* (Pfeiffer, 1855).

*Bulimus pliculatus* Pfeiffer, 1857

http://species-id.net/wiki/Bulimus_pliculatus
Figs 61E–F, L47ii

*Bulimus pliculatus* Pfeiffer 1857d: 390; Pfeiffer 1859b: 488.
*Bulimus plicatulus* Pfeiffer and Clessin 1881: 244 (emendation); Breure 1979: 64.
*Bulimulus plicatulus*; Breure 1978: 147 (lectotype designation).

Type locality. "Bolivia".
Label. "Bolivia", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 23, diam. 11 1/3 mill."; figured specimen herein H 23.0, D 12.02, W 7.0.

Type material. NHMUK 1975390, lectotype; 1975391, two paralectotypes (Cuming coll.).

Remarks. This taxon, which has mostly been cited under the unjustified emended name, was hitherto unfigured.

Current systematic position. Bulimulidae, *Bulimus pliculatus* (Pfeiffer, 1857).

*Helix poecila* d’Orbigny, 1835

http://species-id.net/wiki/Helix_poecila
Figs 45M–N, L47iii

*Helix poecila* d’Orbigny, 1835: 11.
*Bulimus poecilus*; d’Orbigny 1837 [1834–1847]: 268, pl. 31 figs 1–10 [?before 27 Feb. 1837; text 23 April 1838]; Gray 1854: 15.
*Drymaeus cf. draparnaudi* (Pfeiffer, 1847); Breure 1975b: 1150, pl. 8 fig. 2 [partim].
*Drymaeus poecilus*; Breure 1975b: 1152 [partim]; Cuezzo et al. 2013: 156.

Type locality. "provincia Chiquitensi (republica Boliviana)"; see remarks.
Label. "valle grande, Bolivia" [1854.12.4.152], "Monte grande. S“ Cruz (Bolivia)" [.153], "chiquitos, Bolivia" [.154], "Chiquitos, Bolivia" [.155], "Chiquitos, Bolivia" [.156], [No locality given, .157], all in d’Orbigny’s handwriting.

Dimensions. "Longit 22 1/2 mil.; latit. a 15 ad 16 millim."; figured specimen herein H 34.8, D 17.9, W 5+.
Type material. NHMUK 1854.12.4.152–157, 53 paralectotypes (d’Orbigny coll.).

Remarks. In d’Orbigny (1838 [1834–1847]) the type locality is specified for two varieties, var. major and var. minor. Var. major was found especially at "la porte de Tasajos et du bourg de Pampa grande". Var. minor occurs in the forests bordering the "Río grande", the forests bordering "Rio de Tacabaca, entre San-Juan et Santo-Corazon de Chiquitos et aux environs de cette première Mission [San Juan]". See also Breure (1973). The six lots in NHMUK represent two different varieties recognized by d’Orbigny, which are as such not mentioned in his papers, labelled as "B" and "C". Lot 1854.12.4.152 consists of five specimens ("var. B"), the largest with H = 33.7. Lot .153 has seven specimens of the same variety, the largest with H = 33.9. Lot .154 consists of eight juveniles ("var. C"). Lot .155 consisted originally of eight specimens, one is now missing; one corresponds to d’Orbigny 1837 [1834–1847]: pl. 31 figs 7–8 and is re-figured herein. Lot .156 originally counted 16 specimens (one now missing), the largest measures H = 31.5. Finally, lot .157 has 11 specimens of which the largest has H = 30.9. All material belongs to the same species, contrasting the findings of Breure (1975b) for the material in MNHN.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) poecilus (d’Orbigny, 1835).

*Helix polymorpha* d’Orbigny, 1835
http://species-id.net/wiki/Helix_polymorpha
Figs 67H–I, L48i

*Helix polymorpha* d’Orbigny 1835: 20.
*Bulimus polymorphus*; d’Orbigny 1837 [1834–1847]: 289, pl. 41 figs 1–5 [19 June 1837; text 6 May 1838]; Gray 1854: 18.

Type locality. "republica Peruviana”.

Label. "le Pérou”, in d’Orbigny’s handwriting.

Dimensions. "Longit. 33 millim., latit. a 11 ad 12 millim." (see remarks); figured specimen herein H 22.8, D 11.6, W 5.6.

Type material. NHMUK 1854.12.4.199, lectotype and one paralectotype, Fontaine leg. (d’Orbigny coll.).

Remarks. d’Orbigny (1835) recognized two varieties, "var. A. brevis” and "var. B. elongata”, without further description. The publication date of his paper is not known and therefore has to be dated on 31 December 1835 (Art. 21.3.2 ICZN). In d’Orbigny (1838 [1834–1847]) these varieties are mentioned simply as "A" and "B"; he corrected the measurements to "Long. 23 millim.; lat. 10 ad 13 millim.". The specimen corresponding to d’Orbigny 1837 [1834–1847]: pl. 41 figs 3–4 (= var. B) is here selected as lectotype (**design. n.**). The other specimen (= var. A) corresponds to his pl. 41 fig. 1. Both specimens are conspecific. d’Orbigny’s taxon was considered a junior subjective synonym of *Bulinus bicolor* Sowerby I by previous authors (Weyrauch
1967a: 385, Richardson 1995: 348); Weyrauch considered Sowerby’s taxon to be published in 1834, Richardson gave 1835. This taxon was published in Proceedings of the Zoological Society of London 4 (1834), p. 141. According to Duncan (1937:78) the publication date is 3 April 1835 and d’Orbigny’s name is thus the junior synonym of *Bulinus bicolor* Sowerby I, 1835.

**Current systematic position.** Bulimulidae, *Kuschelenia (Kuschelenia) bicolor* (Sowerby I, 1835).

**Drymaeus ponsonbyi** da Costa, 1907
http://species-id.net/wiki/Drymaeus_ponsonbyi
Figs 54H, L48ii

*Drymaeus ponsonbyi* da Costa 1907: 305, pl. 26 figs 6–6a; Breure 1979: 113.

**Type locality.** "Surco, Peru, at an elevation of 2,050 metres".

**Label.** "Surco 2050 M. / Peru", in da Costa’s handwriting.

**Dimensions.** "Long. 33, diam. 12 mm."; figured specimen herein H 33.5, D 12.82, W 8.0.

**Type material.** NHMUK 1907.11.21.27, holotype (ex da Costa).

**Remarks.** da Costa writes "a shell", implying that he had only one specimen; thus the specimen is the holotype. Searching for "Surco" in modern gazetteers for Peru does not give any locality at the elevation indicated; the type locality thus remains to be ascertained.

**Current systematic position.** Bulimulidae, *Drymaeus ponsonbyi* da Costa, 1907.

**Bulimus praetextus** Reeve, 1849
http://species-id.net/wiki/Bulimus_praetextus
Figs 43G–I, L48iii

*Bulimus praetextus* Reeve 1849 [1848–1850]: pl. 71 fig. 515; Reeve 1850: 98; Pilsbry 1898 [1897–1898]: 238, pl. 44 fig. 94.

**Type locality.** "Andes of Caxamarca, Peru".

**Label.** "Peru". M.C. label style I.

**Dimensions.** Not given; figured specimen herein H 39.0, D 15.9, W 8.2.

**Type material.** NHMUK 198340, lectotype (Cuming coll.).

**Remarks.** Reeve did not mention on how many specimens his description was based. The specimen matches his figure and is here selected as lectotype (design. n.). The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) praetextus* (Reeve, 1849).
**Drymaeus prestoni** da Costa, 1906
http://species-id.net/wiki/Drymaeus_prestoni
Figs 18J, L48iv

*Drymaeus prestoni* da Costa 1906a: 9, pl. 1 fig. 9; Breure 1979: 123.

**Type locality.** "Chiriqui, Panama".

**Label.** "Chiriqui. / Panama", in da Costa’s handwriting.

**Dimensions.** "Long. 21, diam. 10 mm."); figured specimen herein H 21.3, D 10.58, W 5.4.

**Type material.** NHMUK 1907.11.21.12, lectotype (da Costa coll.).

**Remarks.** da Costa did not state on how many specimens his description was based, but mentioned "represented by several examples hitherto unnamed in the British Museum"; in the same paper he did also describe a "var. cancellata" (see p. 38). On the original label "Type" is striked through and, in a different handwriting, added "Holotype". This cannot, however, be regarded as holotype designation by da Costa, so the reference of Breure (1979) to "HT 1907.11.21.12" has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembinus) prestoni* da Costa, 1906.

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**Bulimus primula** Reeve, 1848
http://species-id.net/wiki/Bulimus_primula
Figs 18H–I, L48v

*Bulimus primula* Reeve 1848 [1848–1850]: pl. 57 fig. 385; Pilsbry 1898 [1897–1898]: 247, pl. 43 fig. 70; Breure 1979: 123.

*Drymaeus (Mesembrinus) primulus*; Breure and Eskens 1981: 81 (lectotype designation).

**Type locality.** "Venezuela".

**Label.** "Venezuela". M.C. label style I.

**Dimensions.** Not given; figured specimen herein H 25.0, D 11.61, W 5.9.

**Type material.** NHMUK 1975478, lectotype; 1975479, one paralectotype (Cuming coll.).

**Remarks.** Reeve did not state on how many specimens his description was based. Richardson (1995: 207) treated this taxon as a junior subjective synonym of *Bulimus studeri* Pfeiffer, 1847; we concur with this opinion, but contrary to this author consider this species to belong to *Drymaeus (Mesembrinus) Albers, 1850.*

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) studeri* (Pfeiffer, 1847).
**Bulinus proteus** Broderip, 1832

http://species-id.net/wiki/Bulinus_proteus

Figs 66A–B, L49i

*Bulinus proteus* Broderip in Broderip and Sowerby I 1832: 107; Sowerby I 1833 [Sowerby I and II 1832–1841]: figs 14–14c;

*Bulinus sordidus* Lesson; Reeve 1848 [1848–1850]: pl. 17 fig. 100c; Pilsbry 1897 [1897–1898]: 13, pl. 1 fig. 2.

**Type locality.** "in Peruviae montibus. (St. Jacinta, near Samanca)".

**Label.** "Peru". M.C. label style I.

**Dimensions.** "long. 1 8/9, lat. 1 2/10 poll. [H 47.8, D 30.4 mm]"; figured specimen herein H 44.1, D 24.1, W 6.8.

**Type material.** NHMUK 20100638, lectotype and three paralectotypes (Cuming coll).

**Remarks.** Broderip described this taxon and three varieties from the Cuming collection; they were figured by Sowerby (Sowerby I and II 1832–1841). The two lots found represent *Bulinus proteus* and one variety. Reeve 1848 [1848–1850]: pl. 17 fig. 100 named this taxon as *Bulinus sordidus* (Lesson, 1826), but stated "The name given to this species by Mr. Broderip is a far more appropriate one (...) it is to Mr. Cuming that we are mainly indebted for the beautiful varieties obtained in different parts of Peru". He also corrected this in the text related to Reeve 1849 [1848–1850]: pl. 59 fig. 401. A specimen corresponding to the dimensions given by Broderip could not be located in the material. One of the specimens, however, corresponds to Sowerby’s figure 14c and is here designated lectotype (design.n.) to fixate the nominal taxon.

**Current systematic position.** Bulimulidae, *Scutalus proteus* (Broderip in Broderip and Sowerby I 1832).

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**Bulimus protractus** Pfeiffer, 1855

http://species-id.net/wiki/Bulimus_protractus

Figs 49G–I, L48vii

*Bulimus protractus* Pfeiffer 1855d: 94, pl. 31 fig. 1; Pfeiffer 1856 [1854–1860]: 66, pl. 18 figs 13–14; Breure 1979: 113 (lectotype designation).

*Drymaeus protractus*; Pilsbry 1898 [1897–1898]: 224, pl. 42 fig. 62; Breure and Eskens 1981: 34.

**Type locality.** "Meobamba, Eastern Peru (Mr. Yates)".

**Label.** "Meobamba Eastern / Peru M. Yates", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 30, diam. 11 1/1 mill."; figured specimen herein H 29.3, D 13.06, W 7.3.
Type material. NHMUK 1975494, lectotype; 1975495, two paralectotypes (Cuming coll.).

Remarks. Given our current understanding, we disagree with Richardson (1995: 123), who considered this taxon to be a junior subjective synonym of Bulimus expansus Pfeiffer, 1848. However, the species complex of Drymaeus (D.) expansus certainly needs further research to establish the relationships. The current systematic position follows Weyrauch 1967b: 485.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) protractus (Pfeiffer, 1855).

Bulinus pruinosus Sowerby I, 1833
http://species-id.net/wiki/Bulinus_pruinosus
Figs 7F, L48vi

Bulinus pruinosus Sowerby I 1833a: 36.
Bulinus pruinosus; Reeve 1848 [1848–1850]: pl. 20 fig. 120.

Type locality. ”in Peruvia” (see remarks).
Label. ”Peru”. M.C. label style I.
Dimensions. ”long. 0.55, lat. 0.3 poll. [H 13.9, D 7.6 mm]”; figured specimen herein H 13.48, D 7.32, W 5.8.
Type material. NHMUK 1975544, four syntypes (Cuming coll.).
Remarks. Sowerby described this species from the Cuming collection, but did not state on how many specimens his description was based. In the remarks he stated ”found on dead leaves in the clefts of rocks in the mountains of Cobija”. This area now belongs to Chile.
Current systematic position. Bulimulidae, Bostryx pruinosus (Sowerby I, 1833).

Drymaeus pseudofusoides da Costa, 1906
http://species-id.net/wiki/Drymaeus_pseudofusoides
Figs 44J–L, L49ii

Drymaeus pseudofusoides da Costa 1906a: 8, pl. 1 fig. 6; Breure 1979: 113; Linares and Vera 2012: 189.

Type locality. ”Bogota, Colombia”.
Label. ”Bogota”, in da Costa’s handwriting.
Dimensions. ”Long. 33.5, diam. 12 mm.”; figured specimen herein H 33.6, D 13.35, W 6.2.
Type material. NHMUK 1907.11.21.11, holotype (da Costa coll.).
Remarks. da Costa wrote "only one example of this form (...) was obtained". The shell in the NHMUK is thus the holotype.

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) pseudofusoides* da Costa, 1906.

*Bulimus ptychostylus* Pfeiffer, 1858
http://species-id.net/wiki/Bulimus_ptychostylus
Figs 57D–F, L49iv

*Bulimus ptychostylus* Pfeiffer 1858a: 256, pl. 42 fig. 7; Pilsbry 1898 [1897–1898]: 178, pl. 29 fig. 27; Breure 1979: 101.
*Neopetraeus ptychostylus*; Breure 1978: 217, pl. 9 fig. 16.

Type locality. "Province of Patas, Andes of Peru (Dr. Farris)".

Label. "Province of Patas, / Andes of Peru /D'. Farris", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 47, diam. 15 mill."; figured specimen herein H 46.7, D 19.7, W 5+.

Type material. NHMUK 1975430, lectotype (Cuming coll.).

Remarks. The top of the lectotype is damaged. The current systematic position is in accordance with Richardson (1995).

Current systematic position. Bulimulidae, *Neopetraeus lobbii* (Reeve, 1849).

*Bulimus puellaris* Reeve, 1850
http://species-id.net/wiki/Bulimus_puellaris
Figs 20H, L49iii

*Bulimus puellaris* Reeve 1850 [1848–1850]: pl. 86 fig. 637; Breure 1979: 123 (lectotype designation).
*Bulimulus puellaris*; Pilsbry 1897 [1897–1898]: 66, pl. 11 fig. 8.
*Bulimulus tenuissimus* (d’Orbigny, 1835); Simone 2006: 120, fig. 370B.

Type locality. "Brazil".

Label. "Brazil". M.C. label style I.

Dimensions. Not given; figured specimen herein H 22.4, D 10.68, W 6.2.

Type material. NHMUK 1975400, lectotype (Cuming coll.).

Remarks. Richardson (1995: 85) and Simone (2006) mistakenly considered this taxon as synonym of *Helix tenuissima* Férussac, 1832; the name should not be attributed to d’Orbigny, 1835, as the figure of Férussac (in Férussac and Deshayes 1819–1850: pl. 142B fig. 8) may be considered as indication and is thus available.
The protoconch sculpture of *Bulimus puellaris* Reeve, 1850 shows this taxon to belong in the genus *Drymaeus* Albers, 1850. This taxon is tentatively kept as a separate species until further research has established its position.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) puellaris* (Reeve, 1850).

*Otostomus pulcherrimus* H. Adams, 1867
http://species-id.net/wiki/Otostomus_pulcherrimus
Figs 46D–F, L49v

*Otostomus pulcherrimus* H. Adams 1867a: 442, pl. 38 fig. 3; Breure 1979: 113.
*Drymaeus pulcherrimus*; Pilsbry 1898 [1897–1898]: 266, pl. 34 fig. 9.

**Type locality.** ”[Eastern Peru]”.
**Label.** ”E. Peru”, taxon label in H. Adam’s handwriting.
**Dimensions.** ”Long. circa 45, diam. 17 1/2 mill.”; figured specimen herein H 39.1, D 18.2, W [1.3].
**Type material.** NHMUK 1867.5.18.3, holotype, Bartlett leg. (ex H. Adams).
**Remarks.** As is shown in Adam’s figure, his shell (”one example of this beautiful species”) was badly broken, with only the lower part of the shell remaining. The shell height he gave was clearly a guess, as the actual shell is smaller. The lot is accompanied by a photo ”of [a] perfect specimen from H.B. Preston”; assuming that this photograph is natural size, the dimensions are H 58.1, D 21.0. The current systematic position follows Richardson (1995: 165).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) pulcherrimus* (H. Adams, 1867).

*Drymaeus punctatus* da Costa, 1907
http://species-id.net/wiki/Drymaeus_punctatus
Figs 46A–C, L50i

*Drymaeus punctatus* da Costa 1907: 304, pl. 26 figs 1–1a; Breure 1979: 113; Köhler 2007: 148, fig. 106.
*Drymaeus (Drymaeus) punctatus*; Breure and Eskens 1981: 34, pl. 8 fig. 4.

**Type locality.** ”Chanchamayo, Peru”.
**Label.** ”Chanchamayo. / Peru”, in da Costa’s handwriting.
**Dimensions.** ”Long. 34, diam. 11 mm.”; figured specimen herein H 36.6, D 12.7, W 6.7.
**Type material.** NHMUK 1907.11.21.20, lectotype; 1907.11.21.21, one paralectotype (da Costa coll.).
Remarks. da Costa did not state on how many specimens his description was based, but mentioned "there appears to be much variation both in form and colour among the specimens collected of this species"; on the same page he did also describe a "var. albida" (his figs 2–2a) and a "var. ventricosa" (his figs 3–3a). The reference of Breure (1979) to "HT 1907.11.21.20" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. This specimen corresponds to da Costa’s fig. 1a; the paralectotype matches closely the measurements given by da Costa (H 34.3, D 14.18, W 7.0). Köhler (2007) reported a specimen originating from Preston in the ZMB, which he considered as syntype.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) punctatus da Costa, 1907.

Bulinus pupiformis Broderip, 1832
http://species-id.net/wiki/Bulinus_pupiformis
Figs 2K–L, L50ii

Bulinus pupiformis Broderip in Broderip and Sowerby I 1832b: 105; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 27.
Bulinus pupiformis; Reeve 1848 [1848–1850]: pl. 14 fig. 85.

Type locality. "Chili (Huasco)".
Label. "Chili". M.C. label style I.
Dimensions. "long. 7/8, lat. 2/8 poll. [H 22.2, D 6.33 mm]"; figured specimen herein H 23.5, D 6.29, W 10+.
Type material. NHMUK 20100613, four probable syntypes (Cuming coll.).
Remarks. One of the specimens, which are considered probable syntypes, corresponds to Reeve’s figure. The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, Bostryx pupiformis (Broderip, 1832).

Bulimus purpuratus Reeve, 1849
http://species-id.net/wiki/Bulimus_purpuratus
Figs 71G–H, L50iii

Bulimus purpuratus Reeve 1849 [1848–1850]: pl. 71 fig. 517; Reeve 1850: 98; Breure 1979: 86.
Bulimulus purpuratus; Pilsbry 1897 [1897–1898]: 21, pl. 4 fig. 57.
Scutalus (Vermiculatus) purpuratus; Breure 1978: 184 (lectotype designation).

Type locality. "Andes of Caxamarca, Peru; Mr. W. Lobb".
Label. No locality (see remarks). M.C. label style IV, V.
Dimensions. Not given; figured specimen herein H 37.3, D 18.3, W 6.3.
Type material. NHMUK 1975364, lectotype; 19753565, two paralectotypes (Cuming coll.).

Remarks. The locality on the registration card in the collection is "Andes of Cata-
marca"; the original label seems to be lost. The current systematic position follows
Weyrauch (1967a) and Richardson (1995).

Current systematic position. Bulimulidae, Kuschelenia (Vermiculatus) purpuratus
(Reeve, 1849) (comb. n.).

_Bulinus pustulosus_ Broderip, 1832
http://species-id.net/wiki/Bulinus_pustulosus
Figs 9I–K, L50iv

*Bulimus pustulosus* Broderip in Broderip and Sowerby I 1832b: 105; Sowerby I 1833
[Sowerby I and II 1832–1841]: fig. 23.
*Bulimus pustulosus*; Reeve 1848 [1848–1850]: pl. 20 fig. 127.

Type locality. "Chili (Huasco)."

Label. "Chili". M.C. label style IV.

Dimensions. "long. 7/12, lat. 3/12 (circa) poll. [H 14.8, D 6.33 mm]"; figured
specimen herein H 16.4, D 8.1, W 5.5.

Type material. NHMUK 1975589, five probable syntypes (Cuming coll.).

Remarks. Broderip did not state on how many specimens his description was
based. One of the specimens corresponds to Reeve’s figure. The current systematic
position follows Richardson (1995).

Current systematic position. Bulimulidae, Bostryx pustulosus (Broderip, 1832).

_Bulimus (Otostomus) quadrifasciatus_ Angas, 1878
http://species-id.net/wiki/Bulimus_quadrifasciatus
Figs 47D–F, L50v

*Bulimus (Otostomus) quadrifasciatus* Angas 1878b: 312, pl. 18 figs 2–3; Breure 1979:
113 (lectotype designation).
*Drymaeus quadrifasciatus*; Pilsbry 1898 [1897–1898]: 243, pl. 41 figs 22–23.
*Drymaeus (Drymaeus) quadrifasciatus*; Breure and Eskens 1981: 34; Breure and Borrero
2008: 22.

Type locality. "Ecuador".

Label. "Ecuador".

Dimensions. "Alt. 1 inch 3 lines, diam. 5 1/2 lines [H 31.6, D 11.1 mm]"; figured
specimen herein H 28.9, D 15.1, W 6.0.

Type material. NHMUK 1879.1.21.3, lectotype (ex Angas).
**Remarks.** Angas did not state on how many specimens his description was based. The label states “P.Z.S., the type”, but this is not in Angas’ handwriting.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) quadrifasciatus* (Angas, 1878).

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**Bulimulus (Scutalus) quechuarum** Crawford, 1939
http://species-id.net/wiki/Bulimulus_quechuarum
Figs 71C–D, 71K, L51i

*Bulimulus (Scutalus) quechuarum* Crawford 1939: 330, pl. 19 figs 11–12; Breure 1979: 86.

**Type locality.** [Peru, Dept. Puno] ”Capachica”.

**Label.** ”Capachica, near Puno, / Peru / 12,600 ft.” [1939.4.17.226–227], ”Saracocho 13,600 ft.” [.230–231], ”Lake Junin, alt. 13000 ft Peru” [1925.12.16.20].

**Dimensions.** ”length 21.5 mm., breath 9.0 mm.”; figured specimen herein H 21.5, D 9.0, W 5.2.

**Type material.** NHMUK 1939.4.17.226, holotype (soft parts .229); 1939.4.17.227–228, .230–231, four paratypes, Percy Sladen Expedition leg., 16.iv.1937; 1925.12.16.20, five paratypes, Godman Thomas Expedition leg.

**Remarks.** The holotype is indicated on the label, on which is remarked ”smallest spec. quite likely / a different sp.”; in fact, this specimen is a juvenile *Bostryx* species and may have been mixed up with this lot. Crawford mentioned two specimens from the type locality and two from Saracocho, which is in the same region; the fifth, juvenile specimen was not mentioned by him and is here excluded from the type material. Another lot is from the Lake Junín area; we concur with the doubt expressed by Crawford himself about this being conspecific (“Junin lies …about 500 miles NW of the other two localities”), but refrain from making definitive conclusions as this is beyond the scope of this paper.

**Current systematic position.** Bulimulidae, *Kuschelenia (Vermiculatus) quechuarum* (Crawford, 1939) (**comb. n.**).

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**Bulimus quitensis** Pfeiffer, 1848
http://species-id.net/wiki/Bulimus_quitensis
Figs 15A, L50vi

*Bulimus quitensis* Pfeiffer 1848a: 230; Pfeiffer 1848b: 182; Breure 1979: 71.

*Naesiotus quitensis*; Breure and Coppois 1978: 181 (lectotype designation); Breure and Borrero 2008: 15.

**Type locality.** ”Quito (De Lattre)”.

**Label.** ”Quito / Mon sr Delattre”, taxon label in Pfeiffer’s handwriting. M.C. label style I/IV.
Dimensions. "Long. 26, diam. 12 mill."; figured specimen herein H 26.5, D 13.25, W 6.0.

Type material. NHMUK 1975320, lectotype; 1975321, two paralectotypes; 19991539, three paralectotypes, Delattre leg. (Cuming coll.).

Remarks. Pfeiffer did not state on how many specimens his description was based when he described this taxon from Cuming’s collection.

Current systematic position. Bulimulidae, Naesiotus quitensis (Pfeiffer, 1848).

Bulimus radiatus Morelet, 1863
http://species-id.net/wiki/Bulimus_radiatus
Figs 12A–C, L51ii

Bulimus radiatus Morelet 1863: 188, pl. 9 fig. 2; Breure 1979: 57 (lectotype designation). Bulimulus angrandianus Pilsbry 1897 [1897–1898]: 19 (new name for Bulimus radiatus Morelet not Bruguière, 1789).

Type locality. [Peru, Dept. Junín/Cuzco] ”la vallée de Jauja et des pentes du Cuzco”.

Label. ”Chaullas, Pérou”, in Morelet’s handwriting.

Dimensions. ”Longit. 24–29; diam. 10–10 1/2 mill.”; figured specimen herein H 23.7, D 11.58, W 6.9.

Type material. NHMUK 1893.2.4.198, lectotype; 1893.2.4.199–200, two paralectotypes (Morelet coll.).

Remarks. According to Pilsbry 1897 [1897–1898]: 19 this taxon is a junior homonym of Bulimus radiatus Bruguière, 1789. Richardson (1995: 35, 167) placed this taxon in the synonymy of Bulimus nigropileatus Reeve, 1849, which we do not endorse. It is clear from the dimensions quoted by Morelet, that he had ample material at hand. The locality on the label could not be found in modern gazetteers. The mixture of material from two widely separated regions in Peru, and the lack of a precise location for the type material, calls for additional research to establish the position of this taxon.

Current systematic position. Bulimulidae, Bostryx angrandianus (Pilsbry 1897). Nomen inquirendum.

Bulimulus ragsdalei Pilsbry, 1890
http://species-id.net/wiki/Bulimulus_ragsdalei
Figs 73A–C, L51iii

Bulimulus ragsdalei Pilsbry 1890a: 122; Pilsbry 1890b: 63; Pilsbry 1890c: 296, pl. 5 fig. 3; Breure 1979: 77.

Type locality. [U.S.A.] ”Cook and Montagu Counties, Texas”.

Label. ”St. Joe, Montagu Co. / Texas”.
Dimensions. "Alt. 22, diam. 10 mill."; figured specimen herein H 18.3, D 10.34, W 6.1.

Type material. NHMUK 1898.2.1.9–10, two paratypes.

Remarks. The material is labelled as "co-types". The current systematic position follows Richardson (1995).

Current systematic position. Bulimulidae, Rabdotus dealbatus (Say, 1821).

_Bulimus (Drymaeus) rawsonis_ H. Adams, 1873
http://species-id.net/wiki/Bulimus_rawsonis
Figs 20C, L51iv

_Bulimus (Drymaeus) rawsonis_ H. Adams, 1873: 208, pl. 13 fig. 12.

Type locality. [West Indies] "Tobago (Mr. Rawson)."

Label. "Tobago", in H. Adam’s handwriting.

Dimensions. "Long. 24, diam. 10 mill."; figured specimen herein H 23.7, D 10.06, W 6.3.

Type material. NHMUK 1878.1.28.209, lectotype (H. Adams coll.).

Remarks. Adams did not state on how many specimens his description was based. The specimen was designated as lectotype by Breure (1979: 123), but erroneously mentioned under _Bulimus aureolus rawsoni_ Guppy, 1871. Guppy’s shell was from the same source and his taxon was considered the senior subjective synonym of Adam’s taxon by Pilsbry (1899: 20).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) rawsoni (Guppy, 1871).

_Bulimus recedens_ Pfeiffer, 1864
http://species-id.net/wiki/Bulimus_recedens
Figs 48D–F, L51v

_Bulimus recedens_ Pfeiffer 1864: 525; Breure 1979: 113 (lectotype designation).
_Drymaeus (Drymaeus) recedens_; Breure and Eskens 1981: 36, pl. 6 fig. 1.

Type locality. [Peru] "Meobamba".

Label. "Meobamba", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 27, diam. 12 mill."; figured specimen herein H 27.3, D 13.3, W 5.7.

Type material. NHMUK 1975477, lectotype (Cuming coll.).

Remarks. The current systematic position agrees with Richardson (1995).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) recedens (Pfeiffer, 1864).
Bulimus reconditus Reeve, 1849
http://species-id.net/wiki/Bulimus_reconditus
Figs 5D–F, L51vi

*Bulimus reconditus* Reeve 1849 [1848–1850]: pl. 76 fig. 549; Breure 1979: 57 (lectotype designation).

**Type locality.** "—?".

**Label.** "Peru". M.C. label style IV.

**Dimensions.** Not given; figured specimen herein H 19.8, D 9.7, W 7.3.

**Type material.** NHMUK 1975189, lectotype; 1975190, one paralectotype (Cuming coll.).

**Remarks.** Reeve did not state a locality; his description was based on the Cuming collection. Pfeiffer (1853d: 422), referring to the same collection, mentioned "Long. 20, diam. 9 1/2 mill.". Pfeiffer (1868: 129) gave the locality "Peru"; it is not known, however, if he based himself on the same Cumingian material, as there is no taxon label in Pfeiffer’s handwriting. The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Bostryx nigropileatus* (Reeve, 1849).

Bulimus rectilinearis Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_rectilinearis
Figs 24F, L51vii

*Bulimus rectilinearis* Pfeiffer 1855d: 96, pl. 31 fig. 7; Pfeiffer 1859b: 405; Pfeiffer 1868 [1866–1869]: 414, pl. 94 figs 19–20; Breure 1979: 123.

**Type locality.** "Meobamba, Eastern Peru (*Mr. Yates*)".

**Label.** "Tarapoto Andes of P[eru] / Mr Spence", taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 24, diam. 10 1/2 mill."; figured specimen herein H 23.9, D 11.2, W 7.7.

**Material.** NHMUK 1975337, three specimens (Cuming coll.).

**Remarks.** Pfeiffer (1855g) described this species from an imperfect shell (cf. Pfeiffer 1859b: 405 and Pfeiffer 1868 [1866–1869]: 414). Pfeiffer (1859b) also mentioned "Habitat Moyobamba Peruviae (Yates), Tarapoto (Spence)", indicating that he had seen additional material in the Cuming collection. The material found is from the second source and one specimen corresponds to Pfeiffer 1868 [1866–1869]: pl. 94 figs 19–20; the material of Yates could not be traced in the collection. The indication as "ST" by Breure (1979) was evidently based on the wrong series, although the label authorizes the material as seen by Pfeiffer. The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) rectilinearis* (Pfeiffer, 1855).
Drymaeus regularis Fulton, 1905
http://species-id.net/wiki/Drymaeus_regularis
Figs 48J–L, L51viii

Drymaeus regularis Fulton 1905b: 25, pl. 6 fig. 6; Breure 1979: 113 (lectotype designation).

Type locality. ”Chanchamayo, Peru”.
  Label. ”Chanchamayo / Peru”, in Fulton’s handwriting.
  Dimensions. ”Maj. diam. 16, alt. 31 [mm]”; figured specimen herein H 29.6, D 16.3, W 6.1.
  Type material. NHMUK 1905.11.17.2, lectotype (ex Fulton).
  Remarks. Fulton did not state on how many specimens his description was based. The specimen found corresponds to Fulton’s figure. Richardson (1995: 170) placed this taxon wrongly in the synonymy of Bulimus regularis Pfeiffer, 1852, which is a Brazilian taxon based on material collected by Macgillivray. Pfeiffer’s figure (Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: pl. 39 fig. 22), copied by Simone (2006: fig. 366) and listed as Bulimulus regularis, is clearly different from Fulton’s taxon and may prove to be a non-orthalicoid.
  Current systematic position. Bulimulidae, Drymaeus regularis Fulton, 1905.

Bostryx (Elatibostryx) rehderi Weyrauch, 1960
http://species-id.net/wiki/Bostryx_rehderi
Fig. 4B

Bostryx (Elatibostryx) rehderi Weyrauch 1960a: 35, pl. 3 figs 4–5; Breure 1979: 57; Neubert and Janssen 2004: 227, pl. 7 fig. 78; Breure 2012a: 12.

Type locality. ”Mittel-Peru am Westhang der westlichen Anden: 2–3 km weit von Churin, an der Autostraße nach Oyón, Río Huaura (2400–2450 m), zwischen Huacho und Cerro de Pasco”.
  Label. ”C-Peru, 2–3 km from Churin on the highway to Oyón, 2400 m”; printed label.
  Dimensions. ”H. 12.6, D. 3.3”; figured specimen herein H 10.45, D 3.0, W 7.9.
  Type material. NHMUK 1975356, five paratypes (ex Weyrauch).
  Current systematic position. Bulimulidae, Bostryx rehderi Weyrauch, 1960.

Bulimus rhodolarynx Reeve, 1849
http://species-id.net/wiki/Bulimus_rhodolarynx
Figs 8G, L52i

Bulimus rhodolarynx Reeve 1849 [1848–1850]: pl. 72 fig. 518; Reeve 1850: 98; Breure 1979: 58.
  Bostryx rhodolarynx rhodolarynx; Breure 1978: 116 (lectotype designation).
Type locality. [Peru] "Banks of the Aparimao [sic, Apurimac], Alto-Peru, W. Lobb".
Label. "Andes of Peru". M.C. label style IV.
Dimensions. Not given; figured specimen herein H 34.5, D 19.6, W 7.7.
Type material. NHMUK 1975434, lectotype; 1975435, two paralectotypes (Cuming coll.).

Current systematic position. Bulimulidae, Bostryx rhodolarynx (Reeve, 1849).

Bulimus rimatus Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_rimatus
Figs 72A–C, L52ii

Bulimus rimatus Pfeiffer 1847: 112; Pfeiffer 1848b: 104; Reeve 1848 [1848–1850]: pl. 54 fig. 359; Breure 1979: 77 (lectotype designation).
Bulimus rimatus; Pilsbry 1898 [1897–1898]: 157, pl. 21 fig. 4.

Type locality. "Locality unknown".
Label. No locality given. Taxon label in Pfeiffer’s handwriting. M.C. label style IV.
Dimensions. "Long. 33, diam. 11 mill.”; figured specimen herein H 33.1, D 12.7, W 6.8.
Type material. NHMUK 1975418, lectotype; 1975419, two paralectotypes (Cuming coll.).
Remarks. Pfeiffer did not state on how many specimens his description was based. The taxon label in Pfeiffer’s hand is only partially conserved. Later authors have recognized this taxon as a Mexican species (see e.g., Martens 1893 [1890–1901]: 252); Pilsbry (1897 [1897–1898]) included this taxon under Bulimus section Sonorina. The current systematic position follows the generic re-arrangement of A.G. Smith et al. (1990: 118), who list a number of localities in Mexico, Baja California.

Current systematic position. Bulimulidae, Naesiotus rimatus (Pfeiffer, 1847).

Bulimus rivasii d’Orbigny, 1837
http://species-id.net/wiki/Bulimus_rivasii
Figs 16A–C, L52iii

Bulimus rivasii d’Orbigny 1837 [1834–1847]: 276, pl. 34 figs 8–10 [3 April 1837; text 23 April 1838]; Gray 1854: 16.
Naesiotus rivasii; Breure 1975b: 1147; Miquel 1989a: 70, fig. 12 (lectotype designation).

Type locality. [Bolivia] "les plaines de Santa-Cruz de la Sierra, principalement à la Cuesta de Petaca, et dans tous les ravins qui bordent le Rio grande”.
Label. "Monte grande Chiquitos (Bolivia)”, in d’Orbigny’s handwriting.
**Dimensions.** "Longueur totale, 19 millimètres; largeur, 8 millimètres"; figured specimen herein H 17.7, D 8.67, W 8.2.

**Type material.** NHMUK 1854.12.4.171, seven paralectotypes (d’Orbigny coll.).

**Remarks.** The specimen originally figured in d’Orbigny 1837 [1834–1847]: pl. 34 fig. 9 has the top broken. According to the collation of Coan et al. (2013a) d’Orbigny’s plate was published on 3 April 1837, the text on 23 April 1838. Miquel (1989a) identified two specimens in the MNHN as syntypes of this taxon and designated one as lectotype; according to him these specimens were considered until then as part of the syntypes of *Helix crepundia* d’Orbigny, 1835. Breure (1975b), however, listed two syntypes of *Bulimus rivasii* in the MNHN collection, with locality "Cuesta de Petaca"; see also Breure 1973: 127, fig. 5.

**Current systematic position.** Bulimulidae, *Naesiotus rivasii* (d’Orbigny, 1837).

*Helix rocayana* d’Orbigny, 1835
http://species-id.net/wiki/Helix_rocayana
Figs 15K–L, L52iv

*Helix rocayana* d’Orbigny 1835: 13.

*Bulimus rocayanus*; d’Orbigny 1837 [1834–1847]: 277, pl. 33 figs 6–7 [19 June / 7 Aug 1837; text 23 April 1838]; Gray 1854: 16.

*Naesiotus rocayanus*; Breure 1975b: 1147 (lectotype designation).

**Type locality.** ”provincia Santa Cruz de la Sierra (republica Boliviana)”.

**Label.** ”rio Grande. Sta Cruz (Bolivia)”, in d’Orbigny’s handwriting.

**Dimensions.** ”Latit. 14 millim. [see remarks]; longit. 8 millim.”; figured specimen herein H 22.9, D 9.07, W 8.5.

**Type material.** NHMUK 1854.12.4.176, six paralectotypes (d’Orbigny coll.).

**Remarks.** d’Orbigny (1838 [1834–1847]) corrected the measurements to ”Longueur totale, 24 millimètres”, and specified the locality as ”les bois épais qui bordent le Río grande (...) surtout prés du hameau de Pacu” (see Breure 1973: 128, fig. 5).

**Current systematic position.** Bulimulidae, *Naesiotus rocayanus* (d’Orbigny, 1835).

*Bostryx (Bostryx) rodriguezae* Weyrauch, 1967
http://species-id.net/wiki/Bostryx_rodriguezae
Figs 4A, L52v

*Bostryx (Bostryx) rodriguezae* Weyrauch 1967b: 475, figs 33–48; Breure 1979: 57; Neubert and Janssen 2004: 227, pl. 3 fig. 32; Breure 2012a: 12, pl. 1 fig. 13.

**Type locality.** ”Peru, [Dept. Lima] left margin of Mayo Creek [Río Laraos], tributary to Río Cañete, 4 km from Laraos on the trail to [Cerro] Quichao, 3500 m”.
Label. "C-Peru, between Laraos and Quichao, valley of Rio Cañete, 3500 m"; printed label.

**Dimensions.** "H. 27.5, D. 10.4"; figured specimen herein H 25.5, D 8.8, W 8.3.

**Type material.** NHMUK 1975355, five paratypes (ex Weyrauch WW3331).

**Current systematic position.** Bulimulidae, *Bostryx rodriguezae* Weyrauch, 1967.

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**Bulimus roseatus** Reeve, 1848

http://species-id.net/wiki/Bulimus_roseatus

Figs 18M–N, L52vi

*Bulimus roseatus* Reeve 1848 [1848–1850]: pl. 54 fig. 353a–b; Breure 1979: 123 (lectotype designation).

*Drymaeus (Mesembrinus) roseatus*; Breure and Eskens 1981: 83.

**Type locality.** "Venezuela".

**Label.** "Venezuela". M.C. label style IV.

**Dimensions.** Not given; figured specimen herein H 35.6, D 14.45, W 7.0.

**Type material.** NHMUK 1975309, lectotype; 1975310, two paralectotypes (Cuming coll.).

**Remarks.** The lectotype corresponds to Reeve 1848 [1848–1850]: pl. 54 fig. 353b. Richardson (1995: 133) considered this taxon as synonym of *Bulimus granadensis* Pfeiffer, 1848; we tentatively retain it as a separate taxon.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) roseatus* (Reeve, 1848).

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**Drymaeus rosenbergi** da Costa, 1906

http://species-id.net/wiki/Drymaeus_rosenbergi

Figs 40D–F, L52vii

*Drymaeus rosenbergi* da Costa 1906b: 98, pl. 11 fig. 6; Breure 1979: 113 (lectotype designation).

**Type locality.** "Pozuzo, Eastern Peru".

**Label.** "Pozuzo / E Peru", in da Costa’s handwriting.

**Dimensions.** "Long. 20.5, diam. 9 mm."; figured specimen herein H 19.0, D 8.66, W 5.9.

**Type material.** NHMUK 1907.11.21.17, lectotype; 1907.11.21.18, one paralectotype (da Costa coll.).

**Remarks.** da Costa did not state on how many specimens his description was based.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) rosenbergi* da Costa, 1906.
**Bulimus rubrifasciatus** Reeve, 1848
http://species-id.net/wiki/Bulimus_rubrifasciatus
Figs 63C–D, L52x

*Bulimus rubrifasciatus* Reeve 1848 [1848–1850]: pl. 44 fig. 277; Breure 1979: 64 (lectotype designation).

**Type locality.** "—?".

**Label.** No locality label.

**Dimensions.** Not given; figured specimen herein H 22.9, D 9.55, W 6.0.

**Type material.** NHMUK 1975393, lectotype; 1975394, two paralectotypes (Cuming coll.).

**Remarks.** Reeve did not state on how many specimens his description was based; the shell matches his figure. The label may have either been lost or never have been present. The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Bulimulus gadalupensis* (Bruguière, 1789).

**Bulimus (Otostomus) rubrovariegatus** Higgins, 1868
http://species-id.net/wiki/Bulimus_rubrovariegatus
Figs 54F, L67i

*Bulimus (Otostomus) rubrovariegatus* Higgins 1868: 178, pl. 12 figs 2–2a.

**Type locality.** "Huamachuco, Peru".

**Label.** "Peru".

**Dimensions.** "Long. 37, diam. 13 mill.". Figured specimen H 32.8, D 12.1, W 7.5.

**Type material.** NHMUK 1868.4.3.1, three possible syntypes, ex R.F. Geale.

**Remarks.** Higgins described this taxon from "several specimens" which were found (in part?) by Mr. Farris. The lot found was received from the shell dealer R.F. Geale; further data are missing. As the shells were registered at the same time of Higgins’ publication, it is possible that they were part of the original series; they are treated herein as possible syntypes. The current systematic position is according to Richardson (1995).

**Current systematic position.** Bulimulidae, *Drymaeus (D.) rubrovariegatus* Higgins, 1868.

**Bulinus rugiferus** Sowerby I, 1833
http://species-id.net/wiki/Bulinus_rugiferus
Figs 12J, L52viii

*Bulinus rugiferus* Sowerby I 1833a: 36; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 40; Reeve 1848 [1848–1850]: pl. 20 fig. 118; Breure 1979: 71.

*Naesiotus rugiferus*; Breure and Coppois 1978: 185 (lectotype designation).
Type locality. "ad Insulam Jacobi, inter Gallapagos Insulis".
Label. "James Is.", in E.A. Smith’s handwriting. M.C. label style III.
Dimensions. "long. 0.5, lat. 0.2 poll. [H 12.6, D 5.06 mm]"; figured specimen herein H 12.52, D 4.28, W 8.4.
Type material. NHMUK 1975178, lectotype; 1975179, four paralectotypes (Cuming coll.).
Remarks. Sowerby I did not state on how many specimens from the Cuming collection his description was based. One of the specimens found has also been figured by Reeve, and was selected as lectotype by Breure (1979).
Current systematic position. Bulimulidae, Naesiotus rugiferus (Sowerby I, 1833).

*Bulinus rugulosus* Sowerby I, 1833
http://species-id.net/wiki/Bulinus_rugulosus
Fig. 74B, L67iv

*Bulinus rugulosus* Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 37; Breure 1979: 71.
*Bulimus rugulosus*; Reeve 1848 [1848–1850]: pl. 20 fig. 123.
*Naesiotus rugulosus*; Breure and Coppois 1978: 186 (lectotype designation).

Type locality. "Galapagos".
Label. "Chatham Island / Galapagos". M.C. label style III.
Dimensions. Not given. Figured specimen H 20.5, D 8.25, W 7.6.
Type material. NHMUK 1975176, lectotype; 1975177, two paralectotypes (Cuming coll.).
Remarks. Sowerby did not state on how many specimens his description was based. The current systematic position follows Richardson (1995).
Current systematic position. Bulimulidae, *Naesiotus rugulosus* (Sowerby I, 1833).

*Bulimus rusticellus* Morelet, 1860
http://species-id.net/wiki/Bulimus_rusticellus
Figs 7D, L52ix

*Bulimus rusticellus* Morelet 1860: 373; Morelet 1863: 185, pl. 8 fig. 5.
*Bulimulus (Lissoacme) rusticellus*; Pilsbry 1896 [1895–1896]: 170, pl. 49 figs 23–24.

Type locality. [Peru] "[intimâ Peruviii regionae]"; see remarks.
Label. "Pérou, Jauja", in Morelet’s handwriting.
Dimensions. "Longit. 20; diam 10 1/1 mill."; figured specimen herein H 19.9, D 13.83, W 6.3.
Type material. NHMUK 1893.2.4.201, lectotype; 1893.2.4.202–203, two paralectotypes (Morelet coll.).
Remarks. Morelet (1860) did not state on how many specimens his description was based. In Morelet (1863) the locality is specified as "la vallée de Jauja". The specimen corresponding to his figure is now selected lectotype (design. n.) to fixate this taxon. The current systematic position is according to Richardson (1995).

Current systematic position. Bulimulidae, Bostryx rusticellus (Morelet, 1860).

Bulimus saccatus Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_saccatus
Figs 30D–F, L53i

Bulimus saccatus Pfeiffer 1855d: 94, pl. 31 fig. 2; Breure 1979: 114 (lectotype designation).

Type locality. "Meobamba, Eastern Peru (Mr. Yates)".
Label. "Meobamba Eastern / Peru M Yates", taxon label in Pfeiffer’s handwriting. M.C. label style I.
Dimensions. "Long. 22, diam. 10 mill."; figured specimen herein H 21.5, D 11.5, W 6.4.
Type material. NHMUK 1975207, lectotype; 1975218, two paralectotypes (Cuming coll.).
Remarks. This taxon appears to be a colour form of Bulinus strigatus Sowerby I, 1833; the current systematic position follows Richardson (1995).
Current systematic position. Bulimulidae, Drymaeus (Drymaeus) strigatus (Sowerby I, 1833).

Bulimus (Leptomerus) sanctaeluciae E.A. Smith, 1889
http://species-id.net/wiki/Bulimus_sanctaeluciae
Figs 53D–E, L53ii

Bulimus (Leptomerus) sanctaeluciae E.A. Smith 1889: 403; Breure 1979: 71.
Naesiotus sanctaeluciae; Breure 1975a: 82, pl. 7 fig. 7 (lectotype designation).

Type locality. [West Indies] "[St. Lucia]" (see remarks).
Label. "St. Lucia / Fonds S’ Jacques".
Dimensions. "Longit. 21 millim., lat. 9"; figured specimen herein H 20.7, D 9.5, W 7.3.
Type material. NHMUK 1889.3.23.12, lectotype, G.A. Ramage leg.
Remarks. Smith (1889) reported on shells from Dominica and St. Lucia; those from the latter island were marked with an asterisk. He did not mention details on the locality for this taxon, nor on the number of specimens examined. Therefore, the reference of Breure (1975) to "holotype: BMNH" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The periostracum behind the lip of the type specimen has begun
to peel off. The current systematic position takes into account the results of Breure and Romero (2012); this taxon is now placed in the genus *Protoglyptus* Pilsbry, 1897.

**Current systematic position.** Bulimulidae, *Protoglyptus sanctaeluciae* (E.A. Smith, 1889) (*comb. n.*).

*Bulinus scabiosus* Sowerby I, 1833

http://species-id.net/wiki/Bulinus_scabiosus

Figs 2I–J, L53iii

*Bulinus scabiosus* Sowerby I 1833b: 74; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 24; Reeve 1848 [1848–1850]: pl. 14 fig. 84.

**Type locality.** [Chile] ”ad Cobijam”.

**Label.** “Peru” (see remarks). M.C. label style I.

**Dimensions.** Not given; figured specimen herein H 15.9, D 4.9, W 6.8.

**Type material.** NHMUK 2011076, three probable syntypes (Cuming coll.).

**Remarks.** Sowerby described his species from the Cuming museum; see Petit (2009) and Breure and Ablett (2011: 3, 10, 12) for the connection between the Sowerby’s and Cuming. The specimens found—and herein considered as probable syntypes—have also been figured by Reeve, who cited as locality ”Cobijam, Peru”; this was correct at the time of collecting, as the area of Cobija only later became part of Chile. The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Bostryx scabiosus* (Sowerby I, 1833).

*Bulimus scalaricosta* Morelet, 1860

http://species-id.net/wiki/Bulimus_scalaricosta

Figs 1E, L53iv

*Bulimus scalaricosta* Morelet 1860: 375; Morelet 1863: 205, pl. 11 fig. 8; Breure 1979: 58. *Bostryx tubulatus scalaricostus*; Breure 1978: 132 (lectotype designation).

**Type locality.** [Peru] ”[intimâ Peruvii regionae]”; see remarks.

**Label.** ”Huerta de Yucay”, in Morelet’s handwriting.

**Dimensions.** ”Longit 15; diam. 5 mill.”; figured specimen herein H 15.5, D 5.7, W 7.5.

**Type material.** NHMUK 1893.2.4.1170, lectotype; 1893.2.4.1171, one paralectotype (Morelet coll.).

**Remarks.** Morelet (1860) did not state on how many specimens his description was based. In Morelet (1863) the locality is specified as ”sur le plateau d’Andamarca”; there are different localities with that name in southern Peru. The locality mentioned on the label is near Urubamba, from where the species has been reported by Breure (1978).

**Current systematic position.** Bulimulidae, *Bostryx tubulatus scalaricostus* (Morelet, 1860).
Bulinus scalariformis Broderip, 1832
http://species-id.net/wiki/Bulinus_scalariformis
Figs 7B, L53v

Bulinus scalariformis Broderip in Broderip and Sowerby I 1832a: 31; Sowerby I 1833
[Sowerby I and II 1832–1841]: fig. 13; Reeve 1848 [1848–1850]: pl. 21 figs 129a–b.
Bulimulus (Lissoacme) scalariformis; Pilsbry 1896 [1895–1896]: 169, pl. 47 figs 79–80.

Type locality. "in Peruvia. (Ancon)".
Label. "Peru". M.C. label style I.
Dimensions. "long. 5/10 lat. 3/10 poll. [H 12.6, D 7.6 mm]"; figured specimen
herein H 11.6, D 7.7, W 5.5.
Type material. NHMUK 20100635, five probable syntypes; 20100636, five
probable syntypes (Cuming coll.).
Remarks. There are two lots with the same same label. As Broderip described this
taxon from Cuming’s collection, we consider them as probable syntypes; see also the
remarks under Bulinus scabiosus. One of the specimens of lot 20100635 corresponds
to Reeve 1848 [1848–1850]: pl. 21 fig. 129a; the other figure (129b) corresponds
to one of the specimens from the second lot (20100636). The current systematic position
follows Richardson (1995).
Current systematic position. Bulimulidae, Bostryx scalariformis (Broderip in
Broderip and Sowerby I 1832).

Bulimus schiedeanus Pfeiffer, 1841
http://species-id.net/wiki/Bulimus_schiedeanus
Figs 72D–F, L53vi

Bulimus schiedeanus Pfeiffer 1841: 43; Reeve 1848 [1848–1850]: pl. 54 fig. 361;
Breure 1979: 77.

Type locality. "Mejico (Dr. Schiede)".
Label. "Mexico", taxon label in Pfeiffer’s handwriting. M.C. label style IV.
Dimensions. "Long. 16, diam. 9 lin. [H 34.8, D 19.6 mm]"; figured specimen
herein H 28.4, D 16.0, W 6.2.
Type material. NHMUK 1975240, three probable syntypes (Cuming coll.).
Remarks. Pfeiffer probably described this taxon from a specimen in his own col-
collection, which is likely to be lost. The measurements given by Pfeiffer are thus inter-
preted as German lines. The specimens from Cuming’s collection also bear Pfeiffer’s
handwriting and are probably the only extant ones that confirms his identification;
they are considered as probable syntypes. The current systematic position follows
Thompson (2011: 127).
Current systematic position. Bulimulidae, Rabdotus (Rabdotus) schiedeanus
schiedeanus (Pfeiffer, 1841).
Bulimus schmidti Pfeiffer, 1854
http://species-id.net/wiki/Bulimus_schmidti
Fig. L54i

Bulimus coarctatus Reeve 1848 [1848–1850]: pl. 41 fig. 260; not B. coarctatus Pfeiffer, 1845. Bulimus schmidti Pfeiffer 1854a: 65.

Type locality. "...?".
Label. "—?".
Dimensions. "Long. 34, diam 17 mill.". Figured specimen H 34.0, D 18.9, W 6.6.
Type material. NHMUK 1975270, two specimens (Cuming coll.).
Remarks. Pfeiffer described his taxon from "einer alten Sammlung" from an unknown locality. His first reference of Reeve’s figure being conspecific is given in Pfeiffer 1858b: 166 (Richardson’s reference (1995: 174) to Proceedings of the Zoological Society of London 1852 [1854]: 65 is a lapsus). The specimens in this lot corresponds to Pfeiffer’s description and one of the shells fits his dimensions and also Reeve’s figure. However, since no taxon label in Pfeiffer’s handwriting nor a label from Reeve’s Conchologica Iconica is present, the specimens are not considered type specimens.

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) schmidti (Pfeiffer, 1854).

Bulimus scitulus Reeve, 1849
http://species-id.net/wiki/Bulimus_scitulus
Figs 44D–F, L54ii

Bulimus scitulus Reeve 1849 [1848–1850]: pl. 71 fig. 513; Reeve 1850: 97. Drymaeus scitulus; Pilsbry 1898 [1897–1898]: 271, pl. 47 fig. 16. Drymaeus (Drymaeus) scitulus; Breure and Eskens 1981: 39 (lectotype designation).

Type locality. "Chachapoyas, Alto-Peru".
Label. "Chachapoyas, Peru". M.C. label style III.
Dimensions. Not given; figured specimen herein H 29.5, D 11.7, W 7.5.
Type material. NHMUK 1975217, lectotype and two paralectotypes (Cuming coll.).
Remarks. The label is in E.A. Smith’s handwriting; the type has been marked with a ‘x’. The current systematic position follows Richardson (1995: 174).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) scitulus (Reeve, 1849).

Otostomus scitus H. Adams, 1867
http://species-id.net/wiki/Otostomus_scitus
Figs 41D–F, L54iii

Otostomus scitus H. Adams 1867a: 442, pl. 38 fig. 5.
**Type locality.** [Peru] "[Upper Amazons, and on the River Ucayali, Eastern Peru]."

**Label.** "Upper Amazons".

**Dimensions.** "Long. 28, diam. maj. 17 mill.;" figured specimen herein H 27.1, D 16.8, W 6.1.

**Type material.** NHMUK 1867.5.18.5, holotype (ex H. Adams).

**Remarks.** Adams stated "one example only", thus there is no doubt this is the holotype. The current systematic position is according to Richardson (1995: 123).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) expansus* (Pfeiffer, 1848).

**Bulimus sculpturatus** Pfeiffer, 1846

http://species-id.net/wiki/Bulimus_sculpturatus

Figs 74C, L67iii

*Bulimus sculpturatus* Pfeiffer 1846a: 29; Pfeiffer 1848b: 183; Reeve 1848 [1848–1850]: pl. 20 fig. 125; Breure 1979: 71.

*Bulimulus sculpturatus*; Pilsbry 1897 [1897–1898]: 120, pl. 24 fig. 41.

*Naesiotus sculpturatus*; Breure and Coppois 1978: 187 (lectotype designation).

**Type locality.** "Gallapagos Islands".

**Label.** "Galapagos Is.". M.C. label style III, V.

**Dimensions.** "Long. 14, diam. 6 1/2 mill.". Figured specimen H 14.4, D 7.7, W 6.8.

**Type material.** NHMUK 1975174, lectotype; 1975175, three paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer described his material from the Cuming collection, based on material "found on bushes by Darwin". Reeve based himself on the same material. Although the specimens are not accompanied by a taxon label in Pfeiffer’s handwriting, their type status is not disputed as the shell height closely agrees with Pfeiffer’s data. The current systematic position follows Richardson (1995).

**Current systematic position.** Bulimulidae, *Naesiotus sculpturatus* (Pfeiffer, 1846).

**Bulimus (Drymaeus) selli** Preston, 1909

http://species-id.net/wiki/Bulimus_selli

Figs 49A–C, L54iv

*Bulimus (Drymaeus) selli* Preston 1909: 511, pl. 10 fig. 3; Breure 1979: 114 (lectotype designation).

**Type locality.** "British Guiana".

**Label.** "British Guiana".

**Dimensions.** "Alt. 24, diam. maj. 13 mm."; figured specimen herein H 24.0, D 12.8, W 6.2.
Type material. NHMUK 1915.1.6.36, lectotype (ex Preston).

Remarks. Preston did not state on how many specimens his description was based; the reference of Breure (1979) to "HT BMNH 1915.1.6.36" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The columellar margin of the specimen is damaged. The current systematic position agrees with Richardson (1995: 174).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) selli (Preston, 1909).

Bulimus serotinus Morelet, 1860
http://species-id.net/wiki/Bulimus_serotinus
Figs 12E, L54v

Bulimus serotinus Morelet 1860: 374; Morelet 1863: 207, pl. 11 fig. 5; Breure 1979: 58 (lectotype designation).

Type locality. [Peru] "[intimâ Peruviii regionae]"; see remarks.

Label. "Pérou. Andahuaylas", in Morelet’s handwriting.

Dimensions. "Longit. 26; diam. 10 1/2 mil."; figured specimen herein H 25.5, D 11.75, W 7.5.

Type material. NHMUK 1893.2.4.204, lectotype; 1893.2.4.205–206, two paralectotypes (Morelet coll.).

Remarks. Morelet (1860) did not state on how many specimens his description was based. In Morelet (1863) the locality is specified as "notamment à Andahuyalas, Abancay et Chupan". The current systematic position follows Richardson (1995: 44).

Current systematic position. Bulimulidae, Bostryx serotinus (Morelet, 1860).

Bulimus serratus Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_serratus
Figs 49D–F, L54vi

Bulimus serratus Pfeiffer 1855d: 94, pl. 31 fig. 6; Pfeiffer 1856 [1854–1860]: 66, pl. 18 figs 15–16; Breure 1979: 114 (lectotype designation).

Drymaeus serratus; Pilsbry 1898 [1897–1898]: 218, pl. 36 figs 46–47.

Drymaeus (Drymaeus) serratus; Breure and Eskens 1981: 39.

Type locality. "Meobamba, Eastern Peru (Mr. Yates)".

Label. "Meobamba Eastern / Peru M Yates", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

Dimensions. "Long. 27, diam. 11 mill."; figured specimen herein H 26.3, D 12.6, W 5.7.

Type material. NHMUK 1975475, lectotype; 1975476, two paralectotypes (Cuming coll.).
Remarks. The lectotype is damaged on the penultimate whorl. The current systematic position follows Richardson (1995: 177).

Current systematic position. Bulimulidae, Drymaeus (Drymaeus) serratus (Pfeiffer, 1855).

Bulimus signifer Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_signifer
Figs 25I–K, L55i

Bulimus signifer Pfeiffer 1855c: 8; Breure 1979: 123 (lectotype designation).
Drymaeus (Mesembrinus) signifer; Breure and Eskens 1981: 88.

Type locality. "Venezuela?".
Label. "Venezuela?", taxon label in Pfeiffer’s handwriting. M.C. label style III.
Dimensions. "Long. 33, diam. 13 1/1 mill.”; figured specimen herein H 32.9, D 15.1, W 6.3.
Type material. NHMUK 1975216, lectotype (Cuming coll.).
Remarks. The current systematic position is in agreement with Richardson (1995: 178).
Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) signifer (Pfeiffer, 1855).

Bulimus simpliculus Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_simpliculus
Figs 10C, L55ii

Bulimus simpliculus Pfeiffer 1855g: 124; Breure 1979: 58.
Bostryx simpliculus; Breure 1978: 120 (lectotype designation).

Type locality. "—?".
Label. "Peru + Bolivia", taxon label in Pfeiffer’s handwriting. M.C. label style IV.
Dimensions. "Long. 19 1/2, diam. 9 1/2 mill.”; figured specimen herein H 18.9, D 9.3, W 6.0.
Type material. NHMUK 1975340, lectotype; 1975341, two paralectotype (Cuming coll.).
Remarks. This taxon, for which no precise localities are known, is here figured for the first time. The current systematic position follows Richardson (1995: 44).
Current systematic position. Bulimulidae, Bostryx simpliculus (Pfeiffer, 1855).
**Bulimus sisalensis** Morelet, 1849
http://species-id.net/wiki/Bulimus_sisalensis
Figs 24G, L55iii

*Bulimus sisalensis* Morelet 1849: 9; Breure 1975b: 1152 (lectotype designation); Breure 1979: 123; Neubert and Janssen 2004: 230, pl. 16 fig. 193.

**Type locality.** "cum precedente [circa Sisalensem pagum Yucatanorum]".

**Label.** "Sisal", in Morelet’s handwriting.

**Dimensions.** "Longit. 24.—Diam. 9 1/2"; figured specimen herein H 24.1, D 10.25, W 7.2.

**Type material.** NHMUK 1893.2.4.1655–1657, three paralectotypes (Morelet coll.).

**Remarks.** The current systematic position follows Thompson (2011: 120).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) multilineatus* (Say, 1825).

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**Bulimulus (Drymaeus) smithii** da Costa, 1898
http://species-id.net/wiki/Bulimulus_smithii
Figs 30G–I, L55iv

*Bulimulus (Drymaeus) smithii* da Costa 1898: 81, pl. 6 fig. 8; Breure 1979: 114 (lectotype designation).

*Drymaeus smithii*; Pilsbry 1898 [1897–1898]: 247, pl. 50 fig. 1; Linares and Vera 2012: 190.

**Type locality.** [Colombia] "Bogotá".

**Label.** "Bogota", in da Costa’s handwriting.

**Dimensions.** "Long. 29.5, diam. 15 mm.”; figured specimen herein H 29.5, D 15.4, W 5.8.

**Type material.** NHMUK 1907.11.21.52, lectotype; 1907.11.21.53–54, two paralectotypes (da Costa coll.).

**Remarks.** da Costa wrote "this shell", although three specimens are present in the original lot. Only if we assume that "this shell" is implying that da Costa had only one specimen at hand, the lectotype designation by Breure (1979) would lose its status; however, the presence of multiple specimens in the original lot argues against this assumption.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) smithii* (da Costa, 1898).
**Bulimulus (Drymaeus) solidus** Preston, 1907
http://species-id.net/wiki/Bulimulus_solidus
Figs 32D–F, L55v

*Bulimulus (Drymaeus) solidus* Preston 1907: 494, fig. 9; Breure 1979: 114; Köhler 2007: 148, fig. 109; Breure 2013: 40, figs 13C, 13iii; Linares and Vera 2012: 190.

**Type locality.** "Bogota, United States of Colombia".

**Label.** "Bogota, U.S. Colombia".

**Dimensions.** "Alt. 32.5, diam. maj. 15 mm."; figured specimen herein H 32.8, D 15.0, W 6.1.

**Type material.** NHMUK 1908.7.2.72–73, two syntypes (ex Preston).

**Remarks.** Preston did not state on how many specimens his description was based. Breure and Borrero (unpublished data) have found no material with a precise locality for this species. The locality quoted by Linares and Vera (2012: “Sintipó, Cundinamarca”) is clearly in error.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) solidus* (Preston, 1907).

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**Bulimus sowerbyi** Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_sowerbyi
Figs 23N, L55vi

*Bulimus sowerbyi* Pfeiffer 1847: 114; Pfeiffer 1848b: 195; Reeve 1848 [1848–1850]: pl. 57 fig. 383.

*Neopetraeus sowerbyi*; Pilsbr 1898 [1897–1898]: 174, pl. 29 fig. 31.

**Type locality.** "Columbian Andes (Linden)".

**Label.** "Andes of Colombia". M.C. label style I.

**Dimensions.** "Long. 22, diam. 10 mill."; figured specimen herein H 21.7, D 11.15, W 6.2.

**Type material.** NHMUK 20100566, one probable syntype (Cuming coll.).

**Remarks.** Pfeiffer, who described this taxon from Cuming’s collection, did not state on how many specimens his description was based. The specimen found corresponds to Reeve’s figure, which was copied by Pilsbr (1898 [1897–1898]), who attributed this taxon to Reeve. Pilsbr classified the taxon with *Neopetraeus* Martens, 1885, but this is likely to be unjustified; Breue (1979: 136) treated it as a nomen inquirendum. Although the material is not accompanied by a taxon label in Pfeiffer’s handwriting, its type status is not disputed as the shell height agrees with Pfeiffer’s measurements. On the taxon label, the locality is given "Andes of Colombia"; on the front side of the card board is written "Venezuela". The latter locality has clearly been added during later years, and may reflect the change in political-administrative borders at that time. The
protoconch sculpture is worn, making a definite conclusion difficult; judged from the colour pattern in this shell, this taxon may prove to belong to *Drymaeus* (*Mesembrinus*).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Mesembrinus*). Nomen inquirendum.

*Drymaeus spadiceus* da Costa, 1906
http://species-id.net/wiki/Drymaeus_spadiceus
Figs 34D–F, L56i

*Drymaeus spadiceus* da Costa 1906b: 97, pl. 11 figs 2–3; Breure 1979: 114; Linares and Vera 2012: 190.

**Type locality.** "Bogota".

**Label.** "Bogota", in da Costa’s handwriting.

**Dimensions.** "Long. 39, diam. 19 mm."; figured specimen herein H 37.3, D 19.8, W 6.3.

**Type material.** NHMUK 1907.11.21.15, holotype (da Costa coll.).

**Remarks.** da Costa described this species "from an unique specimen"; the specimen found is thus the holotype. The top of the specimen is slightly damaged and appears to be subadult.

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) spadiceus da Costa, 1906.

*Bulimus spectatus* Reeve, 1849
http://species-id.net/wiki/Bulimus_spectatus
Figs 48G–I, L56ii

*Bulimus spectatus* Reeve 1849 [1848–1850]: pl. 81 fig. 601a; Breure 1979: 114 (lectotype designation).

*Drymaeus spectatus*; Linares and Vera 2012: 191.

**Type locality.** "New Granada".

**Label.** "New Granada".

**Dimensions.** Not given; figured specimen herein H 39.2, D 17.0, W 6.3.

**Type material.** NHMUK 1874.12.11.226, lectotype (ex Mrs. T. Lombe Taylor).

**Remarks.** Reeve described this taxon from "Mus. Taylor" and figured three different shells. The specimen selected lectotype by Breure (1979) corresponds to fig. 601a; the other two figures do not belong to this species. The distribution of this—easily misinterpreted—taxon as given by Linares and Vera (2012), entirely based on records from literature, need to be viewed with suspicion.

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) spectatus (Reeve, 1849).
**Bulimus spiculatus** Morelet, 1860

http://species-id.net/wiki/Bulimus_spiculatus

Figs 3B–C, L56iii

*Bulimus spiculatus* Morelet 1860: 375; Morelet 1863: 203, pl. 11 fig. 3; Breure 1979: 58. *Bulimulus (Peronaeus) spiculatus*; Pilsbry 1896 [1895–1896]: 144, pl. 45 fig. 29. *Bostryx spiculatus spiculatus*; Breure 1978: 122 (lectotype designation).

**Type locality.** [Peru] “[intimâ Peruvii regionae]”; see remarks.

**Label.** ”Përù Ollantaitambo”, in Morelet’s handwriting.

**Dimensions.** ”Longit. 20; diam. 5 mill.”; figured specimen herein H 23.3, D 5.07, W 11+.

**Type material.** NHMUK 1893.2.4.1156, lectotype; 1893.2.4.1157–1160, four paralectotypes (Morelet coll.).

**Remarks.** Morelet (1860) did not state on how many specimens his description was based. In Morelet (1863) the locality is specified as ”la vallée d’Ollantaïtambo”. The top of the lectotype is damaged.

**Current systematic position.** Bulimulidae, *Bostryx spiculatus spiculatus* (Morelet, 1860).

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**Helix sporadica** d’Orbigny, 1835

http://species-id.net/wiki/Helix_sporadica

Figs 64E–F, L56iv

*Helix sporadica* d’Orbigny 1835: 12 [partim].

*Bulimus sporadicus* d’Orbigny 1837 [1834–1847]: 271, pl. 32 figs 12–15 [3 April 1837; text 23 April 1838] [partim]; Gray 1854: 15. *Bulimulus (Bulimulus) bonariensis sporadicus*; Breure 1975b: 1145 [partim]; Miquel 1991: 101, figs 39–42.

**Type locality.** ”provincia Corrientes (republica Argentina); provincia Chiquitensi (republica Boliviana)”; see remarks.

**Label.** ”Corrientes. rep. Argentina [.158]”, ”Chiquitos Bolivia [.159–160]”, all in d’Orbigny’s handwriting.

**Dimensions.** ”Longit. 33 millim.; latit. 14 ad 17 mill.”; figured specimen herein H 27.8, D 12.8, W 7.6.

**Type material.** NHMUK 1854.12.4.160, lectotype and six paralectotypes; 1854.12.4.158, seven specimens (see remarks); 1854.12.4.159, six paralectotypes (d’Orbigny coll.); see remarks.

**Remarks.** d’Orbigny (1838 [1834–1847]: 271–272) mentioned variation observed in specimens from different localities, without assigning specific varietal names or signs. Three lots are present in the NHMUK collection, resp. seven (1854.12.4.158), six (.159) and seven specimens (.160). The largest specimen (in lot .158) measures...
H 39.8, D 15.8, W 8.6, and corresponds to the "variété la plus allongée"; this variety from northern Argentina is considered by Miquel (1991: 95, 98) as *Bulimulus bonariensis bonariensis* (Rafinesque, 1833). Of the two other lots—from central Bolivia—one specimen, corresponding to d’Orbigny 1837 [1834–1847]: pl. 32 figs 12–13, is here selected lectotype (design. n.) to define the taxon. Breure (1975b) listed in total 15 syntypes in the MNHN collection; Miquel (1991) only considered those of "var. B" to belong to this taxon.

**Current systematic position.** Bulimulidae, *Bulimus bonariensis sporadicus* (d’Orbigny, 1835).

*Bulimus stenacme* Pfeiffer, 1857
http://species-id.net/wiki/Bulimus_stenacme
Figs 12F, L56v

*Bulimus stenacme* Pfeiffer 1857c: 333; Pfeiffer 1859b: 492; Pfeiffer 1869 [1866–1869]: 464, pl. 101 figs 12–13; Breure 1979: 58.

*Bulimus (Lissoacme) stenacme*; Pilsbry 1896 [1895–1896]: 182, pl. 49 figs 32–33.

*Bostryx stenacme*; Breure 1978: 130, pl. 9 fig. 5 (lectotype designation).

**Type locality.** “Bolivia”.

**Label.** "Province of Patas, / Andes of Peru / D’ Farris [1975342–3]”, ”Peru”, in a later handwriting; in both cases taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** "Long. 20 1/2, diam. 9 mil."; figured specimen herein H 28.0, D 12.6, W 6.5.

**Type material.** NHMUK 1975342, lectotype; 1975343, two paralectotypes, Farris leg.; 1975344, three paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer (1857) described this taxon from Cuming’s collection, but did not state on how many specimens his description was based. In Pfeiffer (1859) he emended his measurements and locality to "Long. 20 1/2–28, diam. 9–11 mill." resp. "Bolivia; in prov. Patas, Peru (Farris)”. Subsequently, in Pfeiffer (1869 [1866–1869]) he only gave "Patas Perurvae [sic] (Farris)” as locality; the figured specimens by him belong to lot 1975344. His definition of this taxon might have been shifted over these years. The lot from Bolivia could not be traced in the NHMUK collection. The lectotype chosen by Breure (1978) was collected by Farris in Peru. Richardson (1995: 35) considered this taxon as junior subjective synonym of *Bulimus nigropileatus* Reeve, 1849. We tentatively regard this as a different—but evidently closely allied—species.

**Current systematic position.** Bulimulidae, *Bostryx stenacme* (Pfeiffer, 1857).
**Bulinus strigatus** Sowerby I, 1833
http://species-id.net/wiki/Bulinus_strigatus
Figs 29J–L, L57i

*Bulinus strigatus* Sowerby I 1833 [Sowerby I and II 1832–1841]: figs 95–96.
*Drymaeus strigatus*; Pilsbry 1898 [1897–1898]: 228, pl. 42 figs 39–40.

**Type locality.** [Peru] "Huallaga".

**Label.** "Huallaga, Peru", added in a later hand; taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** Not given; figured specimen herein H 24.9, D 13.7, W 6.5.

**Type material.** NHMUK 20090168, three possible syntypes (Cuming coll.).

**Remarks.** Sowerby likely based his material on the Cuming collection; however, none of his material has been traced with certainty. The specimens found, and labelled by Pfeiffer, are therefore treated as possible syntypes; they are partly damaged.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) strigatus* (Sowerby I, 1833).

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**Bulimus studeri** Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_studeri
Figs 18O–P, L57ii

*Bulimus studeri* Pfeiffer 1847: 112; Pfeiffer 1848b: 107; Reeve 1848 [1848–1850]: pl. 57 fig. 384; Pfeiffer 1853d: 347; Breure 1979: 124 (lectotype designation).
*Drymaeus studeri*; Pilsbry 1898 [1897–1898]: 246, pl. 43 fig. 69.
*Drymaeus (Mesembrinus) studeri*; Breure and Eskens 1981: 88.

**Type locality.** "Central America? (H. Cuming)").

**Label.** "Merida / New Granada", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 25, diam. 10 mill."); figured specimen herein H 25.2, D 11.24, W 6.6.

**Type material.** NHMUK 1975480, lectotype; 1975481, two paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer based himself on material from Cuming’s collection, but did not state on how many specimens his description was based. The type locality was corrected to "Merida / Novae Granadae" in Pfeiffer 1853d: 347. The lectotype chosen by Breure (1979) corresponds to Reeve’s figure. This taxon has been misclassified as *Leiostacus* by Richardson (1995: 207). The material mentioned as *Drymaeus studeri* from Colombia by Linares and Vera (2012: 200), may only partially belong to that species. Unpublished data from Breure and Borrero strongly suggest that further morphologi-
cal and molecular studies are needed to ascertain the status of this taxon and some taxa that have been associated with it in literature.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) studeri* (Pfeiffer, 1847).

**Bulimus subfasciatus** Pfeiffer, 1853
http://species-id.net/wiki/Bulimus_subfasciatus
Figs 70E–F, 70M, L57iii

*Bulimus subfasciatus* Pfeiffer 1853d: 408; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 105, pl. 33 fig. 19; Pfeiffer 1854a: 60; Breure 1979: 88.
*Bulimulus subfasciatus*; Pilsbry 1897 [1897–1898]: 33, pl. 8 fig. 33.
*Scutalus (?Kuschelenia) subfasciatus*; Breure 1978: 185, pl. 9 fig. 8.
*Scutalus (Vermiculatus) anthisanensis*; Breure and Borrero 2008: 18.

**Type locality.** [Ecuador] ”republicae Aequatoris, monte Anthisana”.

**Label.** ”Anthisana Equador / Monsr Bourcier”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 32, diam. 14 mill.”; figured specimen herein H 31.0, D 16.0, W 6.0.

**Type material.** NHMUK 1975368, lectotype; 1975369, two paralectotypes (Cuming coll.).

**Remarks.** This taxon is now placed in the genus *Kuschellenia*; the synonymy follows Weyrauch (1967a: 385) and Breure (1978: 185).

**Current systematic position.** Bulimulidae, *Kuschellenia (Vermiculatus) anthisanensis* (Pfeiffer, 1853) *(comb. n.)*.

**Gonyostomus subhybridus** da Costa, 1906
http://species-id.net/wiki/Gonyostomus_subhybridus
Figs 46G–I, L57iv

**Gonyostomus subhybridus** da Costa 1906b: 97, pl. 9 fig. 1; Breure 1979: 114.

**Type locality.** ”Pozuzo, Eastern Peru, 800 metres”.

**Label.** ”Pozuzo. Eastern Peru. 800 M”*, in da Costa’s handwriting.

**Dimensions.** ”Long. 50, diam. 19 mm.”; figured specimen herein H 49.2, D 19.5, W 6+.

**Type material.** NHMUK 1907.11.21.127, holotype (da Costa coll.).

**Remarks.** ”Of this fine shell only one specimen has been received” (da Costa 1906b: 97); the specimen is thus the holotype. The top whorl is missing. This taxon may prove to be identical to *Otostomus pulcherrimus* H. Adams, 1867.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) subhybridus* (da Costa, 1906).
**Bulimus subinterruptus** Pfeiffer, 1853

http://species-id.net/wiki/Bulimus_subinterruptus

Figs 49O, L57v

*Bulimus subinterruptus* Pfeiffer 1853b: 256; Pfeiffer 1853 in Küster and Pfeiffer 1840–1865: 80, pl. 21 fig. 20–21; Pfeiffer 1853d: 333; Breure 1979: 115 (lectotype designation).

**Type locality.** "in Andibus Boliviae".

**Label.** "Andes, N. Granada", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 37, diam. 13 1/1 mill."; figured specimen herein H 36.7, D 15.7, W 6.6.

**Type material.** NHMUK 1975470, lectotype (Cuming coll.).

**Remarks.** Pfeiffer described this species from Cuming’s collection; he did not state on how many specimens his description was based. The type locality may have been in error, as Pfeiffer (1853 [1840–1865]: 80) corrected it to "Anden von Neu-Granada". In the same work Pfeiffer recognized a smaller variety (figured on pl. 21 figs 22–23; these figures were copied by Pilsbry 1898 [1897–1898]: pl. 41 figs 34–35, who did not illustrate the typical form). Breure and Borrero (unpublished data) were unable, however, to recognize this taxon in the material they revised from Colombia.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) subinterruptus* (Pfeiffer, 1853).

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**Bulimulus (Liostracus) subpellucidus** E.A. Smith, 1877

http://species-id.net/wiki/Bulimulus_subpellucidus

Figs 21G, L57vi

*Bulimulus (Liostracus) subpellucidus* E.A. Smith 1877: 364, pl. 39 fig. 2.

*Drymaeus subpellucidus*; Pilsbry 1898 [1897–1898]: 288; Pilsbry 1899: pl. 5 fig. 1.

**Type locality.** "Ecuador".

**Label.** "Ecuador".

**Dimensions.** "Long. 23 mill. diam. 9"; figured specimen herein H 20.0, D 10.0, W 4+.

**Type material.** NHMUK 1872.5.22.19, one syntype.

**Remarks.** Smith did not state on how many specimens his description was based. The label states "type", but this cannot be interpreted as holotype designation; there is also remarked "Purch[ased] of Cutter", and "1/6" in the lower right corner of the label. The top of the specimen is broken, hence the lower shell height than the measurement given by Smith.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) subpellucidus* (E.A. Smith, 1877).
**Drymaeus subventricosus da Costa, 1901**
http://species-id.net/wiki/Drymaeus_subventricosus
Figs 33J–L, L57vii

*Drymaeus subventricosus* da Costa 1901: 239, pl. 24 fig. 4; Pilsbry 1901 [1901–1902]: 156, pl. 48 fig. 48; Breure 1979: 115; Linares and Vera 2012: 191.

**Type locality.** ”Bogota, Colombia”.

**Label.** ”Bogotá”, in da Costa’s handwriting.

**Dimensions.** ”Long. 30, diam. 14 mm.”; figured specimen herein H 30.1, D 14.0, W 6.6.

**Type material.** NHMUK 1907.11.21.37, lectotype (da Costa coll.).

**Remarks.** da Costa did not state on how many specimens his description was based; the reference of Breure (1979) to ”HT BMNH 1907.11.21.37” has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) *subventricosus* da Costa, 1901.

**Bulimus sugillatus Pfeiffer, 1857**
http://species-id.net/wiki/Bulimus_sugillatus
Figs 16C, L58ii

*Bulimus sugillatus* Pfeiffer 1857d: 389; Pfeiffer 1859b: 490.

*Anctus sugillatus*; Breure and Schouten 1985: 6, pl. 1 figs 5–7 (lectotype designation).

**Type locality.** ”Bolivia”.

**Label.** ”Bolivia”, taxon label in Pfeiffer’s handwriting. M.C. label style III.

**Dimensions.** ”Long. 24, diam. 9 1/2 mill.”; figured specimen herein H 23.7, D —, W 8.3.

**Type material.** NHMUK 1975259, lectotype and two paralectotypes (Cuming coll.).

**Remarks.** Restudy of the type lot reveals that the protoconch sculpture consists of axial riblets with fine, spiral lines in between. This characteristic makes us now to classify this taxon with *Naesiotus* sensu Breure 1979 (**comb. n.**). We consider Pfeiffer’s taxon to be a junior subjective synonym of *Bulimus rivaisi* d’Orbigny, 1837 (**syn. n.**).

**Current systematic position.** Bulimulidae, *Naesiotus rivaisii* (d’Orbigny, 1837).

**Bulimus sulcosus Pfeiffer, 1841**
http://species-id.net/wiki/Bulimus_sulcosus
Figs 23O, L58i

*Bulimus sulcosus* Pfeiffer 1841: 43; Pfeiffer 1843 in Philippi 1842–1845: 56, pl. 1 fig. 9; Pfeiffer 1848b: 196.
Annotated type catalogue of the Bulimulidae (Mollusca, Gastropoda, Orthalicoidea)...

**Type locality.** [Mexico] ”prope Tacubaya Mexicanorum”.

**Label.** ”Mexico”, taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** ”Long. 15 1/2, diam. 7 lin. [H 31, D 13.5 mm]”; figured specimen herein H 37.0, D 16.5, W 6.5.

**Type material.** NHMUK 20110084, two possible syntypes (Cuming coll.).

**Remarks.** Pfeiffer probably described this taxon from a specimen in his own collection, which is likely to be lost; Pfeiffer (1843 in Philippi 1842–1845: 56) stated the specimen(s) to have been collected by Hegewisch. The specimens from Cuming’s collection also bear Pfeiffer’s handwriting and are probably the only extant ones that confirms his identification; they are considered as probable syntypes. The current systematic position follows Thompson (2011: 112).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) sulcosus* (Pfeiffer, 1841).

*Bulimus sulphureus* Pfeiffer, 1857

[http://species-id.net/wiki/Bulimus_sulphureus](http://species-id.net/wiki/Bulimus_sulphureus)

Figs 20D, L58iv

*Bulimus sulphureus* Pfeiffer 1857b: 318, pl. 35 fig. 11.

**Type locality.** [Mexico, Edo. Veracruz] ”Cordova”.

**Label.** ”Cordova (Mexico)”, taxon label in Pfeiffer’s handwriting. M.C. label style I.

**Dimensions.** ”Long. 29, diam. 12 mill.”; figured specimen herein H 28.7, D 13.6, W 6.5.

**Type material.** NHMUK 20100585, lectotype and two paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer described this taxon on the basis of specimens collected by Sallé and kept in the Cuming collection; Pfeiffer did not state on how many specimens his description was based. One of the specimens found corresponds to the figure and original shell height mentioned by Pfeiffer, and is here designated lectotype to define the taxon (design. n.). The current systematic position follows Thompson (2011: 119).

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) sulphureus* (Pfeiffer, 1857).

*Bulimus swainsoni* Pfeiffer, 1845

[http://species-id.net/wiki/Bulimus_swainsoni](http://species-id.net/wiki/Bulimus_swainsoni)

Figs 75G, L59i

*Bulinus melanostoma* [Swainson, 1820] var. Sowerby I 1838 [Sowerby I and II 1832–1841]: fig. 88.

*Bulimus swainsoni* Pfeiffer 1845d: 156

*Bulinus melanostoma*; Reeve 1848 [1848–1850]: pl. 33 fig. 203b.
Type locality. "Brasilia".  
Label. "Brazil". M.C. label style I, V.  
Dimensions. "Long. 61. diam. 23 mill."; figured specimen herein H 60.0, D 37.2, W 5+.  
Type material. NHMUK 20100586, three probable syntypes (Cuming coll.).  
Remarks. Pfeiffer referred in his original description to "Bul. melanost. var. Conch. Ill. f. 88"; this figure was likely published in 1838 (Coan et al. 2013a) and was probably based on material present in the collection of H. Cuming. The material found was purchased by Cuming, and one of the specimens fits the shell height mentioned by Pfeiffer. The material has also been figured by Reeve and has a taxon label in Pfeiffer’s handwriting. The specimens are considered as probable syntypes. The current systematic position follows Simone (2006: 131); however, the classification of Auris with the Bulimulidae needs further confirmation from molecular studies.  
Current systematic position. Bulimulidae, Auris chrysostoma (Moricand, 1836).

Drymaeus sykesi da Costa, 1906  
http://species-id.net/wiki/Drymaeus_sykesi  
Figs 35J–L, L58iii  

Drymaeus sykesi da Costa 1906a: 7, pl. 1 fig. 1; Breure 1979: 124; Linares and Vera 2012: 200.  

Type locality. [Colombia] "Bogotá".  
Label. "Bogota", in da Costa’s handwriting.  
Dimensions. "Long. 52, diam. 19 mm."; figured specimen herein H 51.7, D 19.8, W 6+.  
Type material. NHMUK 1907.11.21.4, holotype (da Costa coll.).  
Remarks. da Costa described this species "from a single specimen"; the specimen found is thus the holotype. The top whorls are missing.  
Current systematic position. Bulimulidae, Drymaeus (Drymaeus) sykesi da Costa, 1906.  

Bulimus tenuilabris Pfeiffer, 1866  
http://species-id.net/wiki/Bulimus_tenuilabris  
Figs 21F, L59ii  

Bulimus tenuilabris Pfeiffer 1866: 831; Breure 1979: 124 (lectotype designation).  
Drymaeus (Mesembrinus) tenuilabris; Breure and Eskens 1981: 88, pl. 7 fig. 8.  

Type locality. "Venezuela".  
Label. "Venezuela", taxon label in Pfeiffer’s handwriting. M.C. label style I.
Dimensions. "Long. 30, diam. 12 mill."; figured specimen herein H 30.2, D 15.1, W 7.2.

Type material. NHMUK 1975338, lectotype (Cuming coll.).

Remarks. The current systematic position agrees with Richardson (1995: 183).

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) tenuilabris (Pfeiffer, 1866).

Bulimus (Pleuropyrgus) terebra Reibisch, 1892
http://species-id.net/wiki/Bulimus_terebra
Figs 55G, L59iii

Bulimus (Pleuropyrgus) terebra Reibisch 1892: 24, pl. 2 fig. 3.

Type locality. "Chatam-Island [sic] (Wolf)".

Label. "Chatham I / Galapagos".

Dimensions. "Long. 18–19, diam. maj. 4.67 mm"; figured specimen herein H 19.1, D 4.5, W 15.2.

Type material. NHMUK 1894.6.8.2, one possible syntype, T. Wolf leg. (ex Reibisch).

Remarks. Reibisch described this taxon from four specimens. The current systematic position accounts the fact that Dall published his Bulimus (Pleuropyrgus) habeli 'Stearns ms.' in January 1892, while Reibisch’ taxon has not been associated with a specific date and hence has to be dated as 31 December 1892.

Current systematic position. Bulimulidae, Naesiotus habeli (Dall, 1892).

Bulimus terebralis Pfeiffer, 1842
http://species-id.net/wiki/Bulimus_terebralis
Figs 2M–N, L60i

Bulimus terebralis Pfeiffer 1842: 51; Pfeiffer 1843a: 187; Reeve 1848 [1848–1850]: pl. 14 fig. 79.

Bulimus (Peronaeus) terebralis; Pilsbry 1896 [1895–1896]: 142, pl. 45 fig. 30.

Bulimus ischnus Pilsbry 1902: lxxi. New name for Bulimus terebralis Pfeiffer, 1842 not Bruguière, 1789.

Type locality. "Coquimbo, Chile".

Label. "Chili". M.C. label style I.

Dimensions. "Long. 21, diam. 4 1/2 mill."; figured specimen herein H 19.8, D 5.0, W 10.0.

Type material. NHMUK 20110082, five probable syntypes (Cuming coll.).

Remarks. Pfeiffer described this species from specimens collected by Mr. Bridges [a son-in-law of H. Cuming]; he did not state on how many specimens his description was based. The material was likely deposited in the Cuming collection and one
specimen corresponds to Reeve’s figure. The material is herein considered as probable syntypes. The current systematic position follows Richardson (1995: 29).

**Current systematic position.** Bulimulidae, *Bostryx ischnus* (Pilsbry, 1902).

*Helix thamnoica* d’Orbigny, 1835
http://species-id.net/wiki/Helix_thamnoica
Figs 68A, L60ii

*Helix thamnoica* d’Orbigny 1835: 16.
*Bulimus thamnoicus* d’Orbigny 1837 [1834–1847]: 290, pl. 37 figs 4–9 [5 June 1837; text 6 May 1838].
*Scutalus thamnoicus*; Breure 1975b: 1144, pl. 4 fig. 1.

**Type locality.** "Var. A. [Not given]. Var. B. [Not given]. Var. C. Cavari (republica Boliviana). Var. D. provincia Chuquisacensi (republica Boliviana)"; see remarks and Breure 1973: 123.

**Label.** "Var. A. Palca d’ayupaya Bolivia”, ”Var. B. Cochabamba, Bolivia”, ”Var. C. Cavari, Bolivía”, ”Var. D chuquisaca Bolivia”, all in d’Orbigny’s handwriting.

**Dimensions.** ”Longit. a 45 ad 80 millim.; latit. a 22 ad 39 millim.”, corrected in d’Orbigny 1837 [1834–1847] to: ”Long. ex 25 ad 65 millim.; lat. ex. 15 ad 35 millim.”; figured specimen herein H 44.0, D 25.3, W 6.8.

**Type material.** NHMUK 1854.12.4.111, five paralectotypes ”var. A.”; 1854.12.4.109, six paralectotypes ”var. B.”; 1854.12.4.107, four paralectotypes [var. B]; 1854.12.4.110, nine syntypes ”var. C.”; 1854.12.4.108, lectotype (design. n.) and four paralectotypes ”var. D.” (all material d’Orbigny coll.).

**Remarks.** d’Orbigny’s varieties have proven to belong to different species, already noticed by Pilsbry (1897 [1897–1898]) and Richardson (1995), although they disagreed on the specific assignments of the four varieties. Breure (1975b) mentioned only material pertaining to the varieties A and B in the Paris museum; however, also material corresponding to variety D is available in this collection (Breure, unpublished data). The data presented in d’Orbigny 1837–1838 [1834–1847], together with the material of both the NHMUK and MNHN collections, are used here to resolve this complicated issue.

Var. A. ”*Magna, reticulata*” (pl. 37 figs 4–5) is recorded from ”près de Palca, capitale de la province d’Ayupaya” [Dept. Cochabamba, Independencia; see Breure 1973: 133, fig. 6] and ”Longueur, 45 millimètres”. The lectotype (MNHN 23258) has a shell height of 47.7 mm; the largest specimen in NHMUK labelled ”var. A” has shell height 44 mm. The name *thamnoica* d’Orbigny is restricted to this variety.

Var. B. ”*Magna, crassa, striata*” (pl. 37 fig. 7) is listed from ”environs de Capiñata [Dept. La Paz]” and from ”vallée de Cochabamba (...) principalement à Viloma. Longueur, 65 millimètres”; see Breure 1973: 133, figs 6–7. The largest specimen in lot
NHMUK 1854.12.4.109 measures 52.7 mm in height (Fig. 68B); note that there is also material without variety designation (1854.12.4.107), of which the largest specimen has a shell height of 61.5 mm. This variety is considered to be identical with *Bulimus alauda* Hupé, 1857.

Var. C. "Minor, fasciata" (pl. 37 fig. 8) has been found at "les coteaux du bourg de Cavari", near the top of the mountains; see Breure 1973: 129, fig. 7. "Longueur, 25 millimètres". The largest specimen in NHMUK has dimensions H 32.2, D 19.0, W 6.3. This variety was considered a synonym of *Bulimus revinctus* Hupé, 1857 by both Pilsbry (1897 [1897–1898]) and Richardson (1995). We consider this variety as *Bulimus gayi* Pfeiffer, 1857.

Var. D. "Marmorata" (pl. 37 fig. 9) was collected "aux environs de la ville de Chuquisaca"; see Breure 1973: 130, fig. 4. No shell height was given by d’Orbigny. The largest NHMUK specimen, corresponding to d’Orbigny’s figure, has dimensions H 40.8, D 23.1, W 6.2 (Fig. 68C). Three specimens are present in Paris (MNHN 23261), of which the largest one with dimensions H 45.3, D 23.9, W 6.7. Pilsbry (1897 [1897–1898]) regarded var. D as synonymous with *Bulimus alauda* Hupé, 1857; Richardson (1995) synonymized it with *Bulimus revinctus* Hupé, 1857. The types of both species have not been located, leaving only the possibility to check against Hupe’s figures (1857: pl. 7 fig. 3 resp. pl. 7 fig. 2), in which case we concur with Pilsbry’s view.

**Current systematic position.** Bulimulidae, *Kuschefina* (*K*). species. See under remarks.

*Bulimus* (*Drymaeus*) *tigrinus* da Costa, 1898

http://species-id.net/wiki/Bulimus_tigrinus

Figs 36J–L, L60iv

*Bulimus* (*Drymaeus*) *tigrinus* da Costa 1898: 82, pl. 6 fig. 6; Breure 1979: 115.

*Drymaeus tigrinus*; Pilsbry 1898 [1897–1898]: 231, pl. 50 fig. 88;

*Drymaeus* (*Drymaeus*) *tigrinus*; Breure and Borrero 2008: 23.

**Type locality.** "Ecuador".

**Label.** "Equador", in da Costa’s handwriting.

**Dimensions.** "Long. 21, diam. 10 mm.”; figured specimen herein H 20.8, D 9.96, W 6.3.

**Type material.** NHMUK 1907.11.21.55, lectotype; 1907.11.21.56, one paralectotype (da Costa coll.).

**Remarks.** da Costa did not state on how many specimens his description was based; the material was said to be from "Buckley’s Coll.”. The reference of Breure (1979) to "HT BMNH 1907.11.21.55" has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus* (*Drymaeus*) *tigrinus* (da Costa, 1898).
**Helix torallyi** d’Orbigny, 1835
http://species-id.net/wiki/Helix_torallyi
Figs 11D, L60iii

*Helix torallyi* d’Orbigny 1835: 11.
*Bulimus torallyi* d’Orbigny 1837: 285, pl. 32 figs 1–4 [5 June 1837; text 6 May 1838].
*Bulimulus (?) torallyi* (d’Orbigny); Breure 1975b: 1146, pl. 8 fig. 4 [corresponding to d’Orbigny 1837: pl. 32 figs 1–2].
*Drymaeus cf. draparnaudi* (Pfeiffer); Breure 1975b: 1150, pl. 8 fig. 2 [corresponding to d’Orbigny 1837: pl. 32 figs 3–4].
*Bostryx torallyi* (d’Orbigny); Breure 1979: 59; Cuezzo et al. 2013: 146.

**Type locality.** ”provincia Valle-Grande, republica Boliviana” [Bolivia, Dept. Santa Cruz, Prov. Valle Grande].

**Label.** ”pampa ruis (Laguna) Bolivia”; in d’Orbigny’s handwriting.

**Dimensions.** ”Long. 31 millim.; lat. 11 millim.”; figured specimen H 28.6, D 11.3, W 8.5 [.191].

**Type material.** ”var. A.” NHMUK 1854.12.4.191, seven paralectotypes; ”var. B.” NHMUK 1854.12.4.192, nine paralectotypes.

**Remarks.** Breure (1975b) found type material in the Paris museum and concluded that it belonged to two different species, one lot corresponding to pl. 32 figs 1–2 (this is d’Orbigny’s var. A) and one lot to figs 3–4 (var. B). In the London museum all specimens proved to belong to the same taxon, despite their being labelled with different variety letters; however, they represent different colour forms.

**Current systematic position.** Bulimulidae, *Bostryx torallyi* (d’Orbigny, 1835).

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**Bulinus translucens** Broderip in Broderip and Sowerby I 1832
http://species-id.net/wiki/Bulinus_translucens
Figs 18R, L61i

*Bulinus translucens* Broderip in Broderip and Sowerby I 1832a: 31; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 11; Reeve 1848 [1848–1850]: pl. 13 fig. 71.

**Type locality.** ”in America Meridionali (King’s and Saboga Islands, Bay of Panama)”.

**Label.** ”Panama” (see remarks). M.C. label style I.

**Dimensions.** ”long. 7/8, lat. 4/8 poll. [H 22.2, D 12.66 mm]”; figured specimen herein H 21.2, D 11.7, W 5.3.

**Type material.** NHMUK 1842.5.10.139, eight paralectotypes; 20100634, lectotype and three paralectotypes (Cuming coll.).

**Remarks.** Two lots were found, of which one has a taxon label ”*B. translucidus*” possibly written in Broderip’s hand; note the different spelling compared to the published taxon name. The other lot has been used by Reeve for his fig. 71; this lot has
a taxon label in Pfeiffer’s handwriting. All material consists mostly of subadults and juveniles, but one of adult shells agrees with Broderip’s shell height and is here designated lectotype (design.n.) to define the taxon.

Current systematic position. Bulimulidae, Drymaeus (Mesembrinus) translucens (Broderip in Broderip and Sowerby I 1832).

**Bulimus transparens** Reeve, 1849

http://species-id.net/wiki/Bulimus_transparens

Figs 63G–H, L60v

*Bulimus transparens* Reeve 1849 [1848–1850]: pl. 77 fig. 566; Breure 1979: 64.

*Helix trichoda* d'Orbigny 1835: 12.

*Bulimus trichodes*; d'Orbigny 1837 [1834–1847]: 277, pl. 33 figs 1–5 [19 June / 7 Aug 1837; text 23 April 1838]; Gray 1854: 16.

*Naesiotus trichodes*; Breure 1975b: 1147.
the MNHN collection. One of the specimens in NHMUK corresponds to d’Orbigny 1837 [1834–1847]: pl. 33 fig. 3 and has been selected as lectotype (design. n.) to define the taxon.

**Current systematic position.** Bulimulidae, *Naesiotus trichodes* (d’Orbigny, 1835).

*Bulimus tricinctus* Reeve, 1848

http://species-id.net/wiki/Bulimus_tricinctus

Figs 11F, L61ii

*Bulimus tricinctus* Reeve 1848 [1848–1850]: pl. 57 fig. 380; Breure 1979: 59. *Bostryx tricinctus*; Breure 1978: 132 (lectotype designation).

**Type locality.** ”.—?”.

**Label.** No locality. M.C. label style III.

**Dimensions.** Not given; figured specimen herein H 19.2, D 8.94, W 7.0.

**Type material.** NHMUK 1975182, lectotype (Cuming coll.).

**Remarks.** Reeve described this taxon from the Cuming collection, without giving a locality. The figured specimen was selected lectotype by Breure (1978) and placed in *Bostryx s.l.*

**Current systematic position.** Bulimulidae, *Bostryx tricinctus* (Reeve, 1848).

*Otostomus trimarianus* Martens, 1893

http://species-id.net/wiki/Otostomus_trimarianus

Figs 22D, L61iii

*Otostomus trimarianus* Martens 1893 [1890–1901]: 216, pl. 13 fig. 17; Breure 1979: 124 (lectotype designation).

*Drymaeus trimarianus*; Pilsbry 1899: 62, pl. 2 figs 17–18.

*Drymaeus* (*Mesembrinus*) *trimarianus*; Thompson 2011: 116.

**Type locality.** ”N.W. Mexico: Tres Marias Islands”.

**Label.** ”Tres Marias / Richardson”.

**Dimensions.** ”Long. 32, diam. 14 (...) millim.”; figured specimen herein H 31.5, D 13.5, W 6.7.

**Type material.** NHMUK 1901.6.22.950, lectotype (Godman coll.).

**Remarks.** The current systematic position is according to Thompson (2011).

**Current systematic position.** Bulimulidae, *Drymaeus* (*Mesembrinus*) *trimarianus* (Martens, 1893).
**Bulimulus** *(Drymaeus)* *trinitarius* E.A. Smith, 1896
http://species-id.net/wiki/Bulimulus_trinitarius
Figs 21C, L61iv

*Bulimulus* (Drymaeus) *trinitarius* E.A. Smith 1896: 242, pl. 8 figs 7–7a.

**Type locality.** ”[Trinidad]”.
**Label.** ”Trinidad”.
**Dimensions.** ”Longit. 19 millim., diam. 9”; figured specimen herein H 20.1, D 9.84, W 6.1.
**Type material.** NHMUK 1875.2.8.2, lectotype and one paralectotype; 1866.1.3.13 (part), ten paralectotypes, both R.J.L. Guppy leg.
**Remarks.** Smith remarked ”the only two adult specimens I have seen”. Pilsbry (1899: 19) already recognized that this taxon was a junior synonym of *Bulimulus multifasciatus imperfectus* Guppy, 1866. Type material of the latter taxon—though expected in the NHMUK—was not found. One specimen of lot 1875.2.8.2 corresponds to Smith’s fig. 7a and is here designated lectotype to define the taxon. The specimens of the other lot are all juveniles.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) imperfectus* (Guppy, 1866).

**Bulimus tristis** Pfeiffer, 1855
http://species-id.net/wiki/Bulimus_tristis
Figs 22B, L62i

*Bulimus tristis* Pfeiffer 1855g: 124; Breure 1979: 124.

*Drymaeus pertristis* Pilsbry 1898 [1897–1898]: 301. New name for *Bulimus tristis* Pfeiffer, 1855 not Jay, 1839.

*Drymaeus tristis*; Linares and Vera 2012: 201 [partim].

*Drymaeus (Mesembrinus) pertristis*; Breure and Eskens 1981: 81.

**Type locality.** ”New Granada”.
**Label.** ”New Granada”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.
**Dimensions.** ”Long. 28, diam. 11 mill.”; figured specimen herein H 29.3, D 13.3, W 6.6.
**Type material.** NHMUK 1975299, three syntypes (Cuming coll.).
**Remarks.** Pfeiffer did not state on how many specimens his description was based. Breure and Borrero were not able to recognize this species in the material they revised from Colombia (unpublished data). The locality data in Linares and Vera (2012) need further evidence.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) pertristis* (Pfeiffer, 1855).
**Bulimus tropicalis** Morelet, 1849  
http://species-id.net/wiki/Bulimus_tropicalis  
Figs 21K, L62ii  

*Bulimus tropicalis* Morelet 1849: 9; Breure 1979: 124.  
*Drymaeus (Mesembrinus) tropicalis*; Breure and Eskens 1981: 89; Thompson 2011: 121.  

**Type locality.** "ad plagam civitas Campeche".  
**Label.** "Campeche", in Morelet’s handwriting.  
**Dimensions.** "Long. 28—Diam. 11 [mm]"; figured specimen herein H 27.5, D 12.9, W 6.7.  
**Type material.** NHMUK 1893.2.4.210, lectotype; 1893.2.4.211–212, two paralectotypes (Morelet coll.).  
**Remarks.** Morelet did not state on how many specimens his description was based. This sinistral species may prove to be identical with one of the other, dextral, *Drymaeus* species occurring in its distribution range as enantiomorphy within this group may be more commonly found than currently thought (Breure, unpublished data).  
**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) tropicalis* (Morelet, 1849).  

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**Bulimus tumidulus** Pfeiffer, 1842  
http://species-id.net/wiki/Bulimus_tumidulus  
Figs 11G, L62iii  

*Bulimus inflatus* Broderip 1838 in Sowerby I and II 1832–1841: fig. 61.  
*Bulimus tumidulus* Pfeiffer 1842: 117, 123; Pfeiffer 1848b: 193; Reeve 1848 [1848–1850]: pl. 19 fig. 111.  
*Bostryx tumidulus*; Breure 1978: 134 (lectotype designation).  

**Type locality.** Not given, see remarks.  
**Label.** "Peru”, taxon label in Pfeiffer’s handwriting. M.C. label style IV, V.  
**Dimensions.** Not given; figured specimen herein H 22.7, D 12.85, W 7.0.  
**Type material.** NHMUK 1975324, lectotype; 1975325, two paralectotypes (Cuming coll.).  
**Remarks.** Pfeiffer (1842 [1841–1846]) introduced this name as replacement for *Bulimus inflatus* Broderip, 1838 not *Bulimus inflatus* Lamarck, 1822 [which is a homonym of *Bulimus inflatus* Olivier, 1801; see Kendrick and Wilson 1975: 307]. Pfeiffer (1848) gave as locality ”juxta Ambo Peruviae” and gave as measurements "Long. 23, diam. 12 mill.”.  
**Current systematic position.** Bulimulidae, *Bostryx tumidulus* (Pfeiffer, 1842).
**Helix tupacii** d’Orbigny, 1835

http://species-id.net/wiki/Helix_tupacii

Figs 68D–E, L62iv

*Helix tupacii* d’Orbigny 1835: 16.

*Bulimus tupacii*; d’Orbigny 1837 [1834–1847]: 292, pl. 38 figs 1–5 [19 June / 7 Aug 1837; text 6 May 1838]; Gray 1854: 18.

*Scutalus tupacii*; Breure 1975b: 1144, pl. 2 fig. 3 (lectotype designation); Cuezzo et al. 2013: 161.

**Type locality.** "provincia Yungasensi (republica Boliviana)"; restricted to Dept. La Paz, Yanacachi (Breure 1975b).

**Label.** "cavari. Sicasica. Bolivia " [.113], "Palca d’ayapaya, Bolivia" [.114], "yungas Bolivia " [.115], all in d’Orbigny’s handwriting.

**Dimensions.** "Longit. 4 centim.; latit. 2 centim."; figured specimen herein H 76.0, D 35.3, W 6+.

**Type material.** NHMK 1854.12.4.113, four paralectotypes; 1854.12.4.114, five paralectotypes; 1854.12.4.115, seven paralectotypes (all d’Orbigny coll.).

**Remarks.** d’Orbigny (1835) did not state on how many specimens his description was based. In d’Orbigny 1838 [1834–1847]: 292 he corrected the measurements as "Long. ex 40 ad 75 millim.; lat. ex 12 ad 35 millim.". In this paper he also specified the localities as ”principalement à Yanache et à Chupé, dans la province de Yungas, et dans celles de Sicasica et d’Ayapaya”; see also Breure (1973: 133, fig. 7). Breure (1975b) selected a lectotype from among the syntypes, present in the MNHN collection without locality data. In the three lots at the NHMK one specimen from lot 1854.12.4.113 can be matched to d’Orbigny’s pl. 38 fig. 5 (H 76.0, D 35.3, W 6+; top damaged), another from the same lot corresponds to pl. 38 fig. 4 (H 69.8, D 35.8, W 7.0).

**Current systematic position.** Bulimulidae, *Kuschelenia (Kuschelenia) tupacii* (d’Orbigny, 1835) (comb. n.).

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**Helix turritella** d’Orbigny, 1835

http://species-id.net/wiki/Helix_turritella

Figs 63K–L, L62v

*Helix turritella* d’Orbigny 1835: 13. Not *Helix turritella* Férussac, 1821.

*Bulimus turritella*; d’Orbigny 1837 [1834–1847]: 274, pl. 33 figs 12–14 [19 June / 7 Aug 1837; text 23 April 1838]; Gray 1854: 15.

*Bulimulus turritellatus* Beck 1838: 67.

*Bulimulus (Lissoacme) turritellatus*; Pilsbry 1896 [1895–1896]: 193, pl. 50 figs 65–66.

*Bulimulus (Bulimulus) turritellatus*; Breure 1975b: 1146, pl. 8 fig. 6 (lectotype designation).

**Type locality.** "provincia Chiquitensi (republica Boliviana)".
Label. "S° Juan Chiquitos Bolivia", in d’Orbigny’s handwriting.

Dimensions. "Latit. 19 millim.; longit. 9 millim."; figured specimen herein H 19.3, D 9.57, W 6.3.

Type material. NHMUK 1854.12.4.166, seven paralectotypes (d’Orbigny coll.).

Remarks. d’Orbigny (1835) did not state on how many specimens his description was based. In d’Orbigny 1838 [1834–1847]: 274 he specified the locality as "non loin des ruines de l’ancienne Mission de San-Juan"; see Breure 1973: 127, fig. 5. Breure (1975b) found three specimens in the MNHN collection, labelled "Chiquitos", of which he selected one as lectotype; this specimen is larger than d’Orbigny’s measurements. One of the specimens in lot 1854.12.4.166 corresponds to d’Orbigny 1838 [1834–1847]: pl. 33 figs 12–13 and is here re-figured. The name *Bulimus turritellatus* Beck, 1838 was an emendation of d’Orbigny’s name.

Current systematic position. Bulimulidae, *Bulimus turritellatus* (Beck, 1838).

*Bulimus turritus* Broderip in Broderip and Sowerby I 1832

http://species-id.net/wiki/Bulimus_turritus

Figs 10D, L62vi

*Bulimus turritus* Broderip in Broderip and Sowerby I 1832b: 106; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 31.

*Bulimus turritus*; Reeve 1848 [1848–1850]: pl. 20 fig. 124.

*Bulimus (Geopyrgus) turritus*; Pilsbry 1896 [1895–1896]: 135, pl. 45 fig. 5.

Type locality. "in Peruviae montibus (Truxillo”).

Label. "Peru”. M.C. label style I.

Dimensions. "long. 11/12, lat. 4/12 poll. [H 23.2, D 8.4 mm]”; figured specimen herein H 25.3, D 8.59, W 10.5.

Type material. NHMUK 20100616, five possible syntypes (Cuming coll.).

Remarks. Broderip described this taxon from Cuming’s collection; it is likely that Reeve also used the same material in his work. One of the specimens corresponds to Reeve’s figure and the material is herein considered as possible syntypes.

Current systematic position. Bulimulidae, *Bostryx turritus* (Broderip in Broderip and Sowerby I 1832).

*Bulimus umbilicaris* Souleyet, 1842

http://species-id.net/wiki/Bulimus_umbilicaris

Figs 1A, L63i

*Bulimus umbilicaris* Souleyet 1842: 102; Souleyet 1852: 513, pl. 29 figs 12–15.

*Bostryx (Ataxus) umbilicaris*; Breure 1975b: 1140, pl. 10 fig. 5 (lectotype designation).
Type locality. "Les environs de Cobija, en Bolivie".

Label. "de Cobija au Bolivia", taxon label in Souleyet’s handwriting.

Dimensions. "Long. 13, diam. 7 mill."; figured specimen herein H 12.8, D 7.2, W 6.8.

Type material. NHMUK 1854.7.24.359, five paralectotypes (‘Voyage of the Bonite’ coll.).

Remarks. Souleyet (1842) did not state on how many specimens his description was based. He wrote “Ces espèces seront décrites avec plus de détails et avec figures dans la Zoologie du voyage de la Bonite” (i.e. Souleyet 1852). The collection of this trip is partly present in the NHMUK (ex Parzudaki ex Eydoux, Souleyet and Gaudichaud), partly in the MNHN. Breure (1975b) designated one of the specimens in the latter collection as lectotype, despite the fact that the locality and measurements did not exactly match the original data, contrary to the specimen figured herein.

Current systematic position. Bulimulidae, Bostryx umbilicaris (Souleyet, 1842).

*Bulimus umbricatus* Reeve, 1849
http://species-id.net/wiki/Bulimus_umbricatus
Figs 19G, L63ii

*Bulimus umbricatus* Reeve 1849 [1848–1850]: pl. 77 fig. 559; Breure 1979: 124 (lectotype designation).

*Bulimulus umbraticus*; Pilsbry 1897 [1897–1898]: 52, pl. 10 fig. 88.

*Drymaeus* (*Mesembrinus*) *umbraticus*; Breure and Eskens 1981: 89.

Type locality. "Central America".

Label. "Central America". M.C. label style IV.

Dimensions. Not given; figured specimen herein H 15.3, D 8.0, W 6.0.

Type material. NHMUK 1975184, lectotype (Cuming coll.).

Remarks. The classification of this taxon by Thompson (2011: 107) with *Bulinus unicolor* Sowerby I, 1833 was incorrect, as shown by the typical *Drymaeus* protoconch sculpture of the lectotype. The specimen is subadult and the locality is very inprecise, making it difficult to match the material with any known taxon. The current systematic position tentively follows Breure and Eskens (1981).

Current systematic position. Bulimulidae, *Drymaeus* (*Mesembrinus*) *umbraticus* (Reeve, 1849).
**Bulinus unifasciatus** Sowerby I, 1833  
http://species-id.net/wiki/Bulinus_unifasciatus  
Figs 13A, L63iii

*Bulinus unifasciatus* Sowerby I 1833a: 37; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 55; Breure 1979: 72.  
*Bulimulus unifasciatus*; Pilsbry 1897 [1897–1898]: 117, pl. 23 fig. 27.  
*Naesioitus unifasciatus*; Breure and Coppois 1978: 188 (lectotype designation); Breure and Borrero 2008: 17.

**Type locality.** [Ecuador] "ad Insulas Gallapagos".

**Label.** "Charles I d / Galapagos", in E.A. Smith’s handwriting.

**Dimensions.** "long. 0.8, lat. 0.45 poll. [H 20.3, D 11.4 mm]"; figured specimen herein H 20.4, D 11.1, W 6.3.

**Type material.** NHMUK 1975187, lectotype; 1975188, one paralectotype (Cuming coll.).

**Remarks.** Sowerby described this taxon from the collection of H. Cuming; he specified "Charles’s Island", currently called Isla San Cristóbal. E.A. Smith, as curator of the collection, considered this probable type material; its status is here not disputed. The paralectotype (H 22.0, D 11.06, W 6.7) is better preserved and shows the characteristic pale band along the periphery of the last whorl.

**Current systematic position.** Bulimulidae, *Naesioitus unifasciatus* (Sowerby I, 1833).

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**Bulinus ustulatus** Sowerby I, 1833  
http://species-id.net/wiki/Bulinus_ustulatus  
Figs 14E, L63iv

*Bulinus ustulatus* Sowerby I 1833b: 72; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 42; Reeve 1848 [1848–1850]: pl. 21 fig. 130; Neubert and Janssen 2004: 233, pl. 11 fig. 134.  
*Naesioitus ustulatus*; Köhler 2007: 136, fig. 56; Breure and Borrero 2008: 17.

**Type locality.** [Ecuador] "ad Insulas Gallapagos".

**Label.** "Charles I d / Galapagos", in E.A. Smith’s handwriting. M.C. label style III, V.

**Dimensions.** "long. 0.6, lat. 0.3 poll. [H 15.2, D 7.6 mm]"; figured specimen herein H 13.95, D 7.24, W 7.0.

**Type material.** NHMUK 20100633, lectotype and one paralectotype (Cuming coll.).

**Remarks.** Sowerby described this taxon from the collection of H. Cuming; in his remarks he specified "Charles’s", nowadays called Isla San Cristóbal. The specimen illustrated by Sowerby 1833 [Sowerby I and II 1832–1841] is now designated lectotype (design.n.) to define the taxon. The paralectotype was figured by Reeve.

**Current systematic position.** Bulimulidae, *Naesioitus ustulatus* (Sowerby I, 1833).
**Bulimus varicosus** Pfeiffer, 1853  
http://species-id.net/wiki/Bulimus_varicosus  
Figs 25H, L63v

*Bulimus varicosus* Pfeiffer 1853b: 256; Pfeiffer 1854 in Küster and Pfeiffer 1840–1865: 83, pl. 30 figs 7–8; Breure 1979: 115 (lectotype designation).

**Type locality.** "in republicâ Mexicanâ".
**Label.** "Mexico", taxon label in Pfeiffer's handwriting. M.C. label style IV.
**Dimensions.** "Long. 35, diam. 14 mill."; figured specimen herein H 35.5, D 16.7, W 6.4.
**Type material.** NHMUK 1975466, lectotype; 1975467, one paralectotype (Cuming coll.).
**Remarks.** The current systematic position follows Thompson (2011: 114).
**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) attenuatus varicosus* (Pfeiffer, 1853).

**Bulimulus (Naesiotus) ventrosus** Reibisch, 1892  
http://species-id.net/wiki/Bulimulus_ventrosus  
Figs 14I, L63vi

*Bulimulus (Naesiotus) ventrosus* Reibisch 1892: 19, pl. 1 figs 12a–b.  
*Bulimulus ventrosus*; Pilsbry 1897 [1897–1898]: 109, pl. 22 figs 14–15.  
*Naesiotus ventrosus*; Köhler 2007: 138, fig. 57 (lectotype designation).

**Type locality.** "Burrington-Island (Wolf)".
**Label.** "Barrington Is / Galapagos".
**Dimensions.** "Long. 17,5, diam. maj. 8.3 mm"; figured specimen herein H 18.9, D 7.93, W 7.2.
**Type material.** NHMUK 1894.6.8.1, one paralectotype, T. Wolf leg. (ex Reibisch).
**Remarks.** Reibisch reported three adult and one subadult shell to have seen for his description. The current systematic position is according to Richardson (1995).
**Current systematic position.** Bulimulidae, *Naesiotus ventrosus* (Reibisch, 1892).

**Bulimus verrucosus** Pfeiffer, 1855  
http://species-id.net/wiki/Bulimus_verrucosus  
Figs 14D, L64i

*Bulimus verrucosus* Pfeiffer 1855f: 116; Pfeiffer 1859b: 475; Breure 1979: 74.  
*Naesiotus nux*; Breure and Coppois 1978: 178 (lectotype designation); Breure and Borrero 2008: 14.
**Type locality.** [Ecuador] "Galapagos Islands".

**Label.** "Galapagos Islds", taxon label in Pfeiffer’s handwriting. M.C. label style III.

**Dimensions.** "Long. 23, diam. 11 1/2 mill."; figured specimen herein H 22.5, D 12.4, W 7.6.

**Type material.** NHMUK 1975168, lectotype; 1975169, two paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer did not state on how many specimens his description was based.

**Current systematic position.** Bulimulidae, *Naesiotus nux* (Broderip, 1832).

**Bulinus versicolor** Broderip in Broderip and Sowerby I 1832

http://species-id.net/wiki/Bulinus_versicolor

Figs 66C–D, L64iii

*Bulinus versicolor* Broderip in Broderip and Sowerby I 1832b: 108; Sowerby I 1833 [Sowerby I and II 1832–1841]: fig. 16–16*.

*Bulinus versicolor*; Reeve 1848 [1848–1850]: pl. 19 fig. 113.

**Type locality.** "in montibus Peruviae (Mongan, near Casma)".

**Label.** "Peru". M.C. label style I.

**Dimensions.** "long. 1 1/8, lat. 5/8 poll. [H 28.5, D 15.8 mm]"; figured specimen herein H 29.6, D 17.7, W 6.2.

**Type material.** NHMUK 1842.5.10.180–182, four possible syntypes; 20100637, four possible syntypes (Cuming coll.).

**Remarks.** Broderip described this taxon from Cuming’s collection; he did not state on how many specimens his description was based. Reeve’s figure was also based on material from the same collection. One of the specimens in lot 20100637 corresponds to Reeve’s figure.

**Current systematic position.** Bulimulidae, *Scutalus versicolor versicolor* (Broderip in Broderip and Sowerby I 1832).

**Bulimus veruculum** Morelet, 1860

http://species-id.net/wiki/Bulimus_veruculum

Figs 3A, L64ii

*Bulimus veruculum* Morelet 1860: 376; Morelet 1863: 211, pl. 11 fig. 11.

*Bulimus* (*Geoceras*) *veruculum*; Pilsbry 1896 [1895–1896]: 137, pl. 45 fig. 8.

**Type locality.** [Peru] "[intimâ Peruviii regionae]"; see remarks.

**Label.** "Pérou, Ayacucho", in Morelet’s handwriting.

**Dimensions.** "Long. 24; diam. 4 1/2 millim."; figured specimen herein H 24.5, D 4.2, W 19.1.
Type material. NHMUK 1893.2.4.1141–1145, five syntypes (Morelet coll.).

Remarks. Morelet (1860) did not state on how many specimens his description was based. In Morelet (1863) the locality is specified as ”Balsa de Cocharcas”, which might be Dept. Ayacucho, Cocharcas. The current systematic position follows Richardson (1995: 50).

Current systematic position. Bulimulidae, Bostryx veruculum (Morelet, 1860).

**Bulimus vesicalis** Pfeiffer, 1853  
http://species-id.net/wiki/Bulimus_vesicalis  
Figs 64J, L64iv

*Bulimus vesicalis* Pfeiffer 1853c: 58; Pfeiffer 1853d: 654; Pfeiffer 1855 in Küster and Pfeiffer 1840–1865: pl. 70 figs 23–24; Breure 1979: 64.  
*Bulimulus vesicalis*; Pilsbry 1897 [1897–1898]: 69, pl. 12 figs 41–42; Breure 1978: 149 (lectotype designation); Simone 2006: 121, fig. 375; Cuezzo et al. 2013: 153.

Type locality. ”in Brasilia (Cuming”).  
Label. ”Brazils”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.  
Dimensions. ”Long. 25, diam. 13 mill.”; figured specimen herein H 24.8, D 12.7, W 6.2.  
Type material. NHMUK 1975395, lectotype; 1975396, two paralectotypes (Cuming coll.).  
Remarks. The current systematic position follows Simone (2006).  
Current systematic position. Bulimulidae, Bulimus vesicalis (Pfeiffer, 1853)

**Bulimus vespertinus** Pfeiffer, 1858  
http://species-id.net/wiki/Bulimus_vespertinus  
Figs 44G–I, L64v

*Bulimus vespertinus* Pfeiffer 1858a: 257, pl. 42 fig. 3; Pfeiffer 1868: 109; Pfeiffer 1869 [1866–1869]: 465, pl. 101 figs 16–19; Breure 1979: 115 (lectotype designation).  
*Drymaeus vespertinus*; Pilsbry 1898 [1897–1898]: 269, pl. 47 figs 8–10.  
*Drymaeus* (Drymaeus) vespertinus; Breure and Eskens 1981: 4, pl. 6 fig. 6.

Type locality. ”Province of Patas, Andes of Peru (Dr. Farris”).  
Label. ”Province of Patas, / Andes of Peru / D’. Farris”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.  
Dimensions. ”Long. 36, diam. 14 mill.”; figured specimen herein H 34.6, D 14.8, W 6.3.  
Type material. NHMUK 1975471, lectotype; 1975472, two paralectotypes (Cuming coll.).
Remarks. The current systematic position follows Richardson (1995: 193).

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) vespertinus* (Pfeiffer, 1858).

*Bostryx (Bostryx) vilchezi* Weyrauch, 1960
http://species-id.net/wiki/Bostryx_vilchezi
Fig. 7C

*Bostryx (Bostryx) vilchezi* Weyrauch 1960a: 32, pl. 3 figs 8–10; Breure 1979: 59; Neubert and Janssen 2004: 234, pl. 4 fig. 41.

Type locality. "Interandines N-Peru: Sócota, 20 km nö. Cutervo (1950 m), im Tale des Río Guineamaya, im Becken des Marañon".

Label. "N-Peru, Socota, 20 kms northeast of Cutervo, 1950m"; printed label.

Dimensions. "H 8.4 D 4.5”; figured specimen herein H 8.2, D 4.7, W 6.5.

Type material. NHMUK 1975468, five paratypes (ex Weyrauch).

Current systematic position. Bulimulidae, *Bostryx vilchezi* Weyrauch, 1960.

*Bulimus vincentinus* Pfeiffer, 1846
http://species-id.net/wiki/Bulimus_vincentinus
Figs 21D, L64vi

*Bulimus vincentinus* Pfeiffer 1846a: 30; Pfeiffer 1848b: 103; Reeve 1848 [1848–1850]: pl. 55 fig. 366b; Breure 1979: 125 (lectotype designation).

*Drymaeus (Mesembrinus) vincentinus*; Köhler 2007: 154, fig. 138.

Type locality. "Island of St. Vincent (Rev. L. Guilding)".

Label. "St. Vincent W.I.". M.C. label style III.

Dimensions. "Long. 30, diam. 11 1/2 mill."; figured specimen herein H 29.9, D 12.4, W 6.5.

Type material. NHMUK 1975219, lectotype; 1975220, two paralectotypes (Cuming coll.).

Remarks. Pfeiffer described this species from H. Cuming’s collection, but did not state on how many specimens his description was based. The variety he described from Venezuela is not considered to be this species.

Current systematic position. Bulimulidae, *Drymaeus (Mesembrinus) vincentinus* (Pfeiffer, 1846).
**Bulimus virginalis** Pfeiffer, 1856
http://species-id.net/wiki/Bulimus_virginalis
Figs 24C, L65i

*Bulimus virginalis* Pfeiffer 1856b: 46; Pfeiffer 1859b: 405.

**Type locality.** [Venezuela] ”prope Caracas”.

**Label.** ”Venezuela”, taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** ”Long. 26, diam. 91/2 mill.”; figured specimen herein H 27.9, D 11.5, W 7.2.

**Type material.** NHMUK 1975503, five probable syntypes (Cuming coll.).

**Remarks.** Pfeiffer described this taxon based on material ”teste E. Klocke”, and did not state on how many specimens his description was based. The material in the Cuming collection has a taxon label in Pfeiffer’s handwriting, and is considered as probable syntypes.

**Current systematic position.** Bulimulidae, *Drymaeus (Mesembrinus) virginalis* (Pfeiffer, 1856).

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**Bulimus virgultorum** Morelet, 1863
http://species-id.net/wiki/Bulimus_virgultorum
Figs 10E, L65ii

*Bulimus virgultorum* Morelet 1863: 194, pl. 10 fig. 1; Breure 1979: 59.

*Bulimulus (Lissoacme) virgultorum*; Pilsbry 1896 [1895–1896]: 168, pl. 10 fig. 1.

*Bostryx virgultorum*; Breure 1978: 139 (lectotype designation).

**Type locality.** ”les vallées chaudes du versant oriental de la Cordillère, notammant celle de Santa-Anna”.

**Label.** ”Pérou”, in Morelet’s handwriting.

**Dimensions.** ”Long. 31; diam. 14 mill.”; figured specimen herein H 27.8, D 16.0, W 6+.

**Type material.** NHMUK 1893.2.4.179–181, three paralectotypes; 1893.2.4.213–218, six paralectotypes (Morelet coll.).

**Remarks.** The classification of Richardson (1995: 237) as *Naesiotus virgulatorus* [sic] is erroneous; this taxon belongs to *Bostryx s.l.*; see also Breure 2012b.

**Current systematic position.** Bulimulidae, *Bostryx virgultorum* (Morelet, 1863).
**Bulimus voithianus** Pfeiffer, 1847
http://species-id.net/wiki/Bulimus_voithianus
Figs 10A–B, L65v

*Bulimus voithianus* Pfeiffer 1847: 114; Pfeiffer 1848b: 210;
*Bulimus meridionalis* Reeve 1848 [1848–1850]: pl. 21 fig. 131.

**Type locality.** ”Chili (T. Bridges)”.
**Label.** ”Chili”. M.C. label style I.
**Dimensions.** ”Long. 19, diam. 7 1/2 mill.”; figured specimen herein H 19.1, D 8.1, W 6.2.
**Type material.** NHMUK 20100565.1–4, lectotype and three paralectotypes (Cuming coll.).

**Remarks.** Pfeiffer described this species from H. Cuming’s collection, but did not state on how many specimens his description was based. Reeve described the same material (”Chili; Bridges”) as *Bulimus meridionalis* [June 1848, not *Bulimus meridionalis* Reeve Dec. 1848 (pl. 56 fig. 370)]. In the index (Reeve 1850 [1848–1850]: ix) he corrected this to ”Voithianus, *Pfr.*”, apparently having realized that Pfeiffer’s taxon was the same; this has escaped the notice of later authors. Thus *Bulimus meridionalis* Reeve, 1848 [June] is a junior synonym of *B. voithianus* Pfeiffer, 1847 (*syn. n.*). One of the specimens found corresponds with Pfeiffer’s shell height and is here selected lectotype (*design. n.*) to define the taxon. The current systematic position follows Richardson (1995: 50).

**Current systematic position.** Bulimulidae, *Bostryx voithianus* (Pfeiffer, 1847).

**Drymaeus volsus** Fulton, 1907
http://species-id.net/wiki/Drymaeus_volsus
Figs 35A–C, L64vii

*Drymaeus volsus* Fulton 1907: 153, pl. 10 fig. 2; Breure 1979: 115.
*Drymaeus (Drymaeus) volsus*; Breure and Borrero 2008: 23.

**Type locality.** ”Ecuador”.
**Label.** ”Ecuador”, in Fulton’s handwriting.
**Dimensions.** ”Maj. diam. 12 1/2, alt. 30 1/2 mm.”; figured specimen herein H 30.3, D 12.7, W 6.3.
**Type material.** NHMUK 1907.5.3.162, lectotype (ex Fulton).
**Remarks.** Fulton did not state on how many specimens his description was based. The reference of Breure (1979) to ”HT BMNH 1907.5.3.162” has to be interpreted as a lectotype designation under Art. 74.6 ICZN.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) volsus* Fulton, 1907.
**Drymaeus wintlei** Finch, 1929
http://species-id.net/wiki/Drymaeus_wintlei
Figs 21H, L65iii

_Drymaeus wintlei_ Finch 1929: 275, figs; Breure 1979: 125.  
_Drymaeus (Mesembrinus) wintlei_; Breure and Borrero 2008: 24.

**Type locality.** "Ecuador".
**Label.** "Ecuador".
**Dimensions.** "alt. 21.5, diam. 9 mm."; figured specimen herein H 21.7, D 10.1, W 5.8.
**Type material.** NHMUK 1929.6.11.1, lectotype (ex Finch).
**Remarks.** Finch remarked "a large series (...) was collected by the late Mr. Clarence Buckley". Therefore, the reference of Breure (1979) to "HT BMNH 1929.6.11.1" has to be interpreted as a lectotype designation under Art. 74.6 ICZN.
**Current systematic position.** Bulimulidae, _Drymaeus (Drymaeus) wintlei_ Finch, 1929 (comb. n.).

**Bulimulus (Naesiotus) wolfi** Reibisch, 1892
http://species-id.net/wiki/Bulimulus_wolfi
Figs 12G, L65iv

_Bulimulus (Naesiotus) wolfi_ Reibisch 1892: 22, pl. 2 figs 1a–b; Breure 1979: 72.  
_Bulimulus wolfi_; Pilsbry 1897 [1897–1898]: 115, pl. 23 figs 22–23.  
_Naesiotus wolfi_; Köhler 2007: 140, fig. 59 (lectotype designation); Breure and Borrero 2008: 18.

**Type locality.** [Ecuador, Galápagos] "Indefatigale-Island (Wolf)".
**Label.** "Indefatigale I / Galapagos".
**Dimensions.** "Long. 13.25–14, diam. maj. abunde 8"; figured specimen herein H 12.19, D 7.97, W 6.7.
**Type material.** NHMUK 1894.6.8.7, paralectotype, T. Wolf leg. (ex Reibisch).
**Remarks.** Reibisch described this species on the basis of two adult and one sub-adult shell. Richardson (1995: 230) suppressed Reibisch’s name on account of the supposed existence of _Bulimulus wolfi_ Miller, 1878. In Miller (1878) no such name exists, and therefore Reibisch’s name is valid.
**Current systematic position.** Bulimulidae, _Naesiotus wolfi_ (Reibisch, 1892).
**Bulimus woodwardi** Pfeiffer, 1857

http://species-id.net/wiki/Bulimus_woodwardi

Figs 10F, L66i

*Bulimus woodwardi* Pfeiffer 1857c: 332; Pfeiffer 1859b: 488; Breure 1979: 136 (lectotype designation).

**Type locality.** "Andes of Peru".

**Label.** "Andes of Peru", taxon label in Pfeiffer’s handwriting. M.C. label style IV.

**Dimensions.** "Long. 31, diam. 13 1/2 mill."; figured specimen herein H 31.0, D 13.7, W 8.1.

**Type material.** NHMUK 1975334, lectotype (Cuming coll.).

**Remarks.** Pfeiffer described this taxon from the Cuming collection, but did not state on how many specimens his description was based. The protoconch is sculptured with indistinct granules, the shell shape is like those found in several taxa of *Bostryx* sensu Breure 1979, who treated this taxon as a nomen inquirendum. The current systematic position follows Richardson (1995: 51).

**Current systematic position.** Bulimulidae, *Bostryx woodwardi* (Pfeiffer, 1857).

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**Helix xanthostoma** d’Orbigny, 1835

http://species-id.net/wiki/Helix_xanthostoma

Figs 27J–L, L65iii

*Helix xanthostoma* d’Orbigny 1835: 18.

*Helix xanthostoma* d’Orbigny 1837 [1834–1847]: 312, pl. 40 figs 1–2 [18 Sept. 1837; text 6 May 1838]; Gray 1854: 21.

*Drymaeus xanthostomus*; Pilsbry 1898 [1897–1898]: 196, pl. 36 figs 52–53; Breure 1975b: 1153, pl. 2 fig. 6 (lectotype designation).

**Type locality.** "provincia Yungacensi (republica Boliviana)".

**Label.** "Carcuata, Yungas, Bolivia", in d’Orbigny’s handwriting.

**Dimensions.** "Longit. 46 millim., latit. 17 millim."; figured specimen herein H 43.8, D 19.0, W 6.8.

**Type material.** NHMUK 1854.12.4.221, seven paralectotypes (d’Orbigny coll.).

**Remarks.** d’Orbigny (1835) did not state on how many specimens his description was based. In d’Orbigny 1838 [1834–1847]: 312 he specified the locality as "seule-ment sur le coteau qui sépare les villages de Circuata et de Carcuata"; see Breure 1973: 133, fig. 7. Breure (1975b) found five specimens in the MNHN collection, labelled "Carcuata Yas", of which he selected one as lectotype. One of the specimens in lot 1854.12.4.221 corresponds to d’Orbigny 1837 [1834–1847]: pl. 40 figs 1–2; one of the other specimens is a fragment only.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) xanthostomus* (d’Orbigny, 1835).
**Bulimus yungasensis** d’Orbigny, 1837
http://species-id.net/wiki/Bulimus_yungasensis
Figs 35D–F, L65iv

*Bulimus yungasensis* d’Orbigny 1837 [1834–1847]: 316, pl. 40 fig. 8 [18 Sept. 1837; text 6 May 1838]; Gray 1854: 21.

*Drymaeus yungasensis*; Pilsbry 1898 [1897–1898]: 196, pl. 36 figs 52–53; Breure 1975b: 1153, pl. 2 fig. 6 (lectotype designation).

**Type locality.** [Bolivia] ”seulement dans les bois qui bordent le Rio de Meguilla, près de son confluent avec le Rio de la Paz”.

**Label.** ”megu[lla], Yungas Bolivia”, in d’Orbigny’s handwriting.

**Dimensions.** ”Long. 35 millim.; lat. 13 millim.”; figured specimen herein H 32.6, D 13.54, W 6.4.

**Type material.** NHMUK 1854.12.4.134, lectotype and four paralectotypes (d’Orbigny coll.).

**Remarks.** d’Orbigny did not state on how many specimens his description was based. One of the specimens corresponds to his figure and is here designated lectotype (design.n.) to define the taxon.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) yungasensis* (d’Orbigny, 1837).

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**Bulimus zhorquinensis** Angas, 1879
http://species-id.net/wiki/Bulimus_zhorquinensis
Figs 40G–I, L66ii

*Bulimus zhorquinensis* Angas 1879: 478, pl. 40 fig. 4; Breure 1979: 115.

*Drymaeus zhorquinensis*; Pilsbry 1899: 31, pl. 26 figs 14–15.

**Type locality.** [Costa Rica] ”Middle Zhorquia to Cuabre”.

**Label.** ”Middle Zhorquia to / Cuabre (low hills + / flat ground) / Costa Rica”.

**Dimensions.** ”Diam. 12, alt. 23 lin. [H 48.5, D 25.3 mm]”; figured specimen herein H 46.1, D 24.4, W 7.2.

**Type material.** NHMUK 1879.7.22.15, lectotype, W.M. Gabb leg. (ex Angas).

**Remarks.** Angas wrote ”only three specimens were obtained”; thus the reference of Breure (1979) to ”HT BMNH 1879.7.22.15” has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The whereabouts of the other two specimens mentioned by Angas are unknown. The current systematic position follows Thompson (2011: 109).

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) zhorquinensis* (Angas, 1879).
**Bulimulus (Drymaeus) ziczac da Costa, 1898**

http://species-id.net/wiki/Bulimulus_ziczac

Figs 30J–L, L66v

*Bulimulus (Drymaeus) ziczac* da Costa 1898: 81, pl. 6 fig. 5; Breure 1979: 115. *Drymaeus ziczac*; Pilsbry 1898 [1897–1898]: 212, pl. 50 fig. 92; Linares and Vera 2012: 192.

**Type locality.** "Valley of the R. Cauca, Colombia".

**Label.** "Llanos de Cavariare / Colombia". in da Costa’s handwriting.

**Dimensions.** "Long. 28, diam. 15 mm."; figured specimen herein H 26.5, D 15.0, W 4+.

**Type material.** NHMUK 1907.11.21.46, lectotype; .47, one paralectotype (da Costa coll.).

**Remarks.** da Costa did not state on how many specimens his description was based; the reference of Breure (1979) to "HT BMNH 1907.11.21.46" has to be interpreted as a lectotype designation under Art. 74.6 ICZN. The top of the lectotype is damaged, hence the shell height appears smaller than mentioned by da Costa. The name "Cavariare" could not be found using modern gazetteers.

**Current systematic position.** Bulimulidae, *Drymaeus (Drymaeus) ziczac* (da Costa, 1898).

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**Bulimus ziegleri** Pfeiffer, 1847

http://species-id.net/wiki/Bulimus_ziegleri

*Bulimus ziegleri* Pfeiffer 1847: 113; Reeve 1849 [1848–1850]: pl. 58 fig. 389.

**Type locality.** ”Locality unknown”.

**Label.** ”Brazils” [1975570], ”[C]hiapas [Chiapas] Mexico” [20120338].

**Dimensions.** ”Long. 21, diam. 10 mill.”.

**Material.** NHMUK 1975570, two specimens; 20120338, four specimens (Cuming coll.).

**Remarks.** Pfeiffer described this taxon from the collection of H. Cuming, but did not state on how many specimens his description was based; he also did describe a variety and stated that the locality was unknown. In Pfeiffer (1848b: 175) he stated ”Habitat in America centrali (Largilliert) et in republica mexicana? (Liebmann.)”; the depository of these specimens was not given. Two lots have been found which have taxon labels in Pfeiffer’s handwriting indicating ”ziegleri Pfr.”. Lot 1975570 has a label mentioning ”Brazils”, on which is added in pencil ”var β? Pfr. Mon Hel. II / p. 175”. Lot 20120338 has two taxon labels in Pfeiffer’s handwriting and one of them has ”[C]hiapes [Chiapas] Mexico / Mon Geisbright”; this is the lot that has been used by Reeve and was referred by him to ”Central America”. Pfeiffer (1853d: 413) refers to this figure as
being *Bulimus* ziegleri, without giving further data. Hupé (1857: 51) associated this species with Peruvian material without further data or illustration. Tryon (1867: 168, pl. 13 fig. 6) mentioned this species from “Cinalos, North-western Mexico”. Binney and Bland (1869: 193, fig. 336) gave as locality “Mazatlan and Central America”, and their figure was “drawn from a specimen received from Dr. Pfeiffer”. Pfeiffer (1872: 76), reporting on shells collected in Suriname by Kühn, mentioned “aus der Umgebung von Paramaribo: (...) Bulimus Ziegleri Pfr.”; this was likely a misidentification, but may have led to the confusion mentioned below. Stearns (1894: 167) reported three living specimens of this species intercepted at San Francisco, and originating in Altata [Mexico, Edo. Sinaloa]. Pilsbry (1899: 40)—who seemed to be convinced of the northwestern Mexican origin of this taxon—suggested that Pfeiffer’s original description was based on immature specimens. He further remarked “Probably it [Pfeiffer’s variety] has nothing to do with the typical ziegleri.”; he considered *Bulimus californicus* Reeve 1848 ([1848–1850]: pl. 56 fig. 378) as a junior subjective synonym of Pfeiffer’s taxon. Vernhout (1914: 14–15) refers to Pfeiffer (1872) and said “as Pfeiffer himself records this species from Paramaribo, I feel not justified to doubt of its occurrence in Surinam.” Simone (2006: 146, fig. 490) figured specimens from lot 1975570 as “possible syntypes” from Brazil, as *Mesembrinus ziegleri*, without expressing doubts about its occurrence. Finally, Thompson (2011: 111) records this species from Mexico, Edo. Sinaloa.

From the data given above, we may safely conclude that Pfeiffer’s taxon—though described from an unknown locality—occurs in northwestern Mexico. The original material may have either been lost, or the label “Brazils” was mistrusted by Pfeiffer as he may have seen material from other sources (see Pfeiffer 1848b: 175); it may be noted that one of the specimens from lot 1975570 corresponds to the shell height given by him. The lot from Chiapas [20120338] is not conspecific with Pfeiffer’s taxon. Both lots are not considered herein as type material.

**Helix zoographica** d’Orbigny, 1835

[http://species-id.net/wiki/Helix_zoographica](http://species-id.net/wiki/Helix_zoographica)

Figs 28D, L66vi

*Helix zo*o*graphica* d’Orbigny 1835: 19.

*Bulimus zoographicus*; d’Orbigny 1837 [1834–1847]: 313, pl. 40 figs 6–7 [not 6–8] [18 Sept. 1837; text 6 May 1838]; Gray 1854: 22.

*Drymaeus zoographicus*; Pilsbry 1898 [1897–1898]: 197, pl. 38 figs 6–7; Breure 1975b: 1153, pl. 1 fig. 6 (lectotype designation).

**Type locality.** “provincia Yungacensi (republica Boliviana)”.

**Label.** “Tutulima Bolivia”, in d’Orbigny’s handwriting.

**Dimensions.** “Longit. 35 millim., latit. 13 millim.”; figured specimen herein H 31.7, D 13.72, W 6.1.

**Type material.** NHMUK 1854.12.4.131, one paralectotype (d’Orbigny coll.).
Remarks. d’Orbigny (1835) did not state on how many specimens his description was based. In d’Orbigny 1838 [1834–1847]: 314 he specified the locality as “entre les provinces de Cochabamba et de Moxos, au fond d’un ravin dans lequel coule le Rio Altamachi, le premier affluent oriental du Rio Beni, un peu en avant de Tutulima”; see Breure 1973: 130. Breure (1975b) found five specimens in the MNHN collection, labelled ”Tutulima” and ”... Yungas”, of which he selected one as lectotype. The specimen in lot 1854.12.4.131 corresponds to d’Orbigny 1837 [1834–1847]: pl. 40 figs 6–7.

Current systematic position. Bulimulidae, *Drymaeus (Drymaeus) zoographicus* (d’Orbigny, 1835).

Non-Bulimulidae

Remarks. The following taxon, hitherto classified with the Bulimulidae, proved not to belong this group.

*Bulimus inermis* Morelet, 1851 (: 10). Type locality. [Mexico, Edo. Campeche] ”circa vicum Palizada provinciae Yucatanensis”. Type material. NHMUK 1893.2.4.1134–1135, two syntypes, ex Morelet.

Remarks. The specimens are both glued on paper. The protoconch is smooth, the teleoconch is sculptured with axial riblets, the spaces 2–3 times the width of the riblets. This is likely a *Leptinaria* species (Subulinidae).
Figure 1. Bostryx species. A B. umbilicaris (Souleyet, 1842), paralectotype NHMUK 1854.7.24.359 (H = 13.3) B B. moniezi (Dautzenberg, 1896), syntype NHMUK 1908.6.13.22 (H = 12.46) C–D B. infundibulum (Pfeiffer, 1853), lectotype NHMUK 1975163 (H = 18.25) E B. scalaricosta (Morelet, 1860), lectotype NHMUK 1893.2.4.1170 (H = 15.5) F B. hamiltoni (Reeve, 1849), lectotype NHMUK 1849.5.14.53 (H = 17.0) G–H B. lesueurianus (Morelet, 1860), syntype NHMUK 1893.2.4.1182 (H = 22.5) I B. pygmaeus costatus Weyrauch, 1960, paratype NHMUK 1975357 (H = 8.45) J B. imeldae costifer Weyrauch, 1960, paratype NHMUK 1975354 (H = 9.6) K B. metagyra Pilsbry & Olsson, 1949, paratype NHMUK 20100630 (H = 7.1). All enlarged.
Figure 2. Bostryx species. A–B. atacamensis (Pfeiffer, 1856), lectotype NHMUK 1975312 (H = 19.0) C–D. lactifluus (Pfeiffer, 1857), syntype NHMUK 20100642 (H = 16.2) E–F. lichnorum (d’Orbigny, 1835), syntype NHMUK 1854.12.4.96 (H = 15.8) G–H. nanus (Reeve, 1849), syntype NHMUK 1975463 (H = 15.4) I–J. scabiosus (Sowerby I, 1833), syntype NHMUK 20110176 (H = 15.9) K–L. pupiformis (Broderip, 1832), syntype NHMUK 20100613 (H = 23.5) M–N. terebralis (Pfeiffer, 1842), syntype NHMUK 20110082 (H = 19.8) O–P. holostoma (Pfeiffer, 1846), lectotype NHMUK 1975345 (H = 7.84). All enlarged.
Figure 3. *Bostryx* species. A *B. veruculum* (Morelet, 1860), syntype NHMUK 1893.2.4.1141 (H = 24.5) B–C *B. spiculatus spiculatus* (Morelet, 1860), lectotype NHMUK 1893.2.4.1156 (H = 23.3) D *B. spiculatus paucicostatus* Breure, 1978, paratype NHMUK 1975276 (H = 16.5) E *B. emaciatus* (Morelet, 1863), syntype NHMUK 1893.2.4.248 (H = 21.7) F–G *B. ceratacme* (Pfeiffer, 1855), lectotype NHMUK 1975347 (H = 18.0) H *B. haasi minor* Weyrauch, 1960, paratype NHMUK 1975353 (H = 14.0) I *B. zilchi glomeratus* Weyrauch, 1960, paratype NHMUK 1975154 (H = 18.7). All enlarged.
**Figure 4.** *Bostryx* species. 

A. *B. rodriguezae* Weyrauch, 1967, paratype NHMUK 1975355 (H = 25.5)  
B. *B. rehderi* Weyrauch, 1960, paratype NHMUK 1975356 (H = 10.45)  
C. *B. devians* (Dohrn, 1863), syntype NHMUK 1975339 (H = 14.9)  
D. *B. mordani* Breure, 1978, paratype NHMUK 1975266 (H = 22.5)  
E. *B. agueroi* Weyrauch, 1960, paratype NHMUK 1975333 (H = 21.1)  
F–H. *Bostryx orophilus* (Morelet, 1860)  
F. *Bulimus albicolor* Morelet, 1863, syntype NHMUK 1893.2.4.169 (H = 28.2)  
G. *Bulimus cercicola* Morelet, 1863, syntype NHMUK 1893.2.4.175 (H = 18.7)  
H. *Bulimus orophilus* Morelet, 1860, lectotype NHMUK 1893.2.4.188 (H = 20.8). All enlarged.
Figure 5. Bostryx species. A. *B. aileenae* Breure, 1978, paratype NHMUK 1975229 (H = 13.7) B–C *B. nigropileatus* (Reeve, 1849) B lectotype of *Bulimus balsanus* Morelet, 1863, NHMUK 1893.2.4.173 (H = 17.9) C lectotype of *Bulimus nigropileatus* Reeve, 1849, NHMUK 1975335 (H = 20.5) D–F *B. reconditus* (Reeve, 1849), lectotype NHMUK 1975189 (H = 19.8). All enlarged.
Figure 6. *Bostryx* species.  
A *B. acales* (Pfeiffer, 1853), possible syntype NHMUK 20100651 (H = 13.2)  
B *B. depstus* (Reeve, 1849), lectotype NHMUK 1975318 (H = 18.5)  
C *B. conspersus* (Sowerby I, 1833), probable syntype NHMUK 20100619 (H = 19.8)  
D *B. ?hennahi* (J.E. Gray, 1830), lectotype of *Helix cactorum* d’Orbigny, 1835, NHMUK 1854.12.4.189 (H = 24.4)  
E-G *B. modestus* (Broderip in Broderip and Sowerby I 1832)  
E Lectotype of *Bulimus limensis* Reeve, 1849, NHMUK 1975326 (H = 19.6)  
F syntype of *Bulimus philippii* Pfeiffer, 1842, NHMUK 1975348 (H = 24.3)  
G *Bulinus modestus* Broderip in Broderip and Sowerby I 1832, possible syntype NHMUK 20120232 (H = 31.6). All enlarged.
Figure 7. *Bostryx* species. A *B. erosus* (Broderip in Broderip and Sowerby I 1832), syntype NHMUK 20100612 (H = 22.9) B *B. scalariformis* (Broderip in Broderip and Sowerby I 1832), probable syntype NHMUK 20100635 (H = 11.6) C *B. vilchezi* Weyrauch, 1960, paratype NHMUK 1975468 (H = 8.2) D *B. rusticel-lus* (Morelet, 1860), lectotype NHMUK 1893.2.4.201 (H = 19.9) E *B. guttatus* (Broderip in Broderip and Sowerby I 1832), possible syntype NHMUK 20110175 (H = 22.0) F *B. pruinosus* (Sowerby I, 1833), syntype NHMUK 1975544 (H = 13.48) G *B. reentsi* (Philippi, 1851), syntype of *Bulimus denickei* J.E. Gray, 1852, NHMUK 1851.5.15.1 (H = 26.4) H *B. compactus* (Fulton, 1902), syntype NHMUK 1902.5.28.1 (H = 15.8) I *B. albicans* (Broderip in Broderip and Sowerby I 1832), possible syntype NHMUK 20100611 (H = 22.1) J *B. albus* (Sowerby I, 1833), possible syntype NHMUK 1842.5.10.149 (H = 15.0). All enlarged.
Figure 8. *Bostryx* species. A *B. affinis* (Broderip in Broderip and Sowerby I 1832), possible syntype NHMUK 20100610 (H = 27.5) B *B. huascensis* (Reeve, 1848), lectotype NHMUK 1975159 (H = 19.1) C *B. mejillonensis* (Pfeiffer, 1857), lectotype NHMUK 1975322 (H = 24.1) D *B. kathiae* Breure, 1978, paratype NHMUK 1975228 (H = 17.5) E *B. obliquistriatus* (da Costa, 1901), lectotype NHMUK 1907.11.21.41 (H = 28.9) F *B. rhololarynx papillatus* (Morelet, 1860), syntype NHMUK 1893.2.4.192 (H = 22.7) G *B. r. rhodolarynx* (Reeve, 1849), lectotype NHMUK 1975434 (H = 34.5). All enlarged.
Figure 9. Bostryx species. A–B B. apodemetus (d’Orbigny, 1835), syntype NHMUK 1854.12.4.182 (H = 23.0) C B. delumbis (Reeve, 1849), lectotype NHMUK 1975124 (H = 21.2) D B. ferrugineus (Reeve, 1849), lectotype NHMUK 1975380 (H = 19.0) E B. luridus (Pfeiffer, 1863), lectotype NHMUK 19991535 (H = 21.7) F–H B. paposensis (Pfeiffer, 1856), paralectotype NHMUK 1975311 (H = 21.2) H sculpture on dorsal side of last whorl I–K B. pustulosus (Broderip in Broderip and Sowerby I 1832), probable syntype NHMUK 1975589 (H = 16.4) K sculpture on dorsal side of penultimate whorl. All enlarged.
Figure 10. Bostryx species. A–B B. voithianus (Pfeiffer, 1847), lectotype NHMUK 20100565.1 (H = 19.1) B sculpture on dorsal side of (pen)ultimate whorl C B. simpliculus (Pfeiffer, 1855), lectotype NHMUK 1975340 (H = 18.9) D B. turritus (Broderip in Broderip and Sowerby I 1832), possible syntype NHMUK 20100616 (H = 25.3) E B. virgultorum (Morelet, 1863), paralectotype NHMUK 1893.2.4.179 (H = 27.8) F B. woodwardi (Pfeiffer, 1857), lectotype NHMUK 1975334 (H = 31.0) G B. andoicus (Morelet, 1863), lectotype NHMUK 1893.2.4.171 (H = 29.5) H B. derelictus (Broderip in Broderip and Sowerby I 1832), probable syntype NHMUK 20100609 (H = 30.3). All enlarged.
Figure 11. *Bostryx* species. A *B. longinquus* (Morelet, 1863), paralectotype NHMUK 1893.2.4.185 (H = 30.9) B *B. limonoicus* (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.190 (H = 15.8) C–E *B. toralyi* (d’Orbigny, 1835) C lectotype of *Drymaeus multispira* da Costa, 1904 NHMUK 1907.11.21.31 (H = 19.9) D paralectotype of *Helix toralyi* d’Orbigny, 1835 NHMUK 1854.12.4.191 (H = 28.6) E ibidem NHMUK 1854.12.4.192 (H = 27.3) F *B. tricinctus* (Reeve, 1848), lectotype NHMUK 1975182 (H = 19.2) G *B. tumidulus* (Pfeiffer, 1842), lectotype NHMUK 1975324 (H = 22.7) H *B. picus* (Pfeiffer, 1855), lectotype NHMUK 1975545 (H = 22.5). All enlarged.
Figure 12. A–F Bostryx species. A–C B. angrandianus (Pilsbry, 1897), lectotype of Bulimus radiatus Morelet, 1863 NHMUK 1893.2.4.198 (H = 23.7) D B. montagnei (d’Orbigny, 1837), lectotype NHMUK 1854.12.4.194 (H = 23.3) E B. serotinus (Morelet, 1860), lectotype NHMUK 1893.2.4.204 (H = 25.5) F B. nigropileatus (Reeve, 1849), lectotype of Bulimus stenacme Pfeiffer, 1857 (H = 28.0). G–J Naesiotus species. G N. wolfi (Reibisch, 1892), paralectotype NHMUK 1894.6.8.7 (H = 12.19) H N. fernandezae Weyrauch, 1958, paratype NHMUK 1983.1 (H = 15.1) I N. chemnitzioides Forbes, 1850, lectotype NHMUK 1855.4.5.23 (H = 18.5) J N. rugiferus (Sowerby I, 1833), lectotype NHMUK 1975178 (H = 12.5). All enlarged.
Figure 13. *Naesiotus* species. A *N. unifasciatus* (Sowerby I, 1833), lectotype NHMUK 1975187 (H = 20.4) B–E *N. jacobi* (Sowerby I, 1833) B possible syntype NHMUK 1842.5.10.250 (H = 11.9) C sculpture on dorsal side of ultimate whorl D syntype of *Bulimulus* (*Naesiotus*) *pallidus* Reibisch, 1892 NHMUK 1894.5.8.3 (H = 11.37) E sculpture on dorsal side of (pen)ultimate whorl F *N. albemarlensis* Dall, 1917, possible paratype NHMUK 1937.6.18.13 (H = 14.5) G–H *N. curtus* (Reibisch, 1892), syntype NHMUK 1894.6.8.8 (H = 9.6) H sculpture on dorsal side of (pen)ultimate whorl I *N. perspectivus* (Pfeiffer, 1846), lectotype NHMUK 1975166 (H = 15.7) J *N. darwini* (Pfeiffer, 1846), possible syntype NHMUK 20100523 (H = 8.64). All enlarged.
Figure 14. Naesirotus species. A–D N. max (Broderip, 1832) A lectotype NHMUK 1975172 (H = 21.5) B–C lectotype of Bulimus incrassatus Pfeiffer, 1853 NHMUK 1975157 (H = 17.3) C sculpture on dorsal side of (pen)ultimate whorl D lectotype of Bulimus verrucosus (Pfeiffer, 1855) NHMUK 1975168 (H = 22.5) E–F N. ustulatus (Sowerby I, 1833) E lectotype NHMUK 20100633 (H = 13.95) F possible syntype of Bulimulus (Naesirotus) ustulatus phlegonis Dall & Ochsner, 1928 NHMUK 1937.6.18.2 (H = 12.5) G N. nucula (Pfeiffer, 1853), lectotype NHMUK 1975155 (H = 11.2) H N. galapaganus (Pfeiffer, 1855), lectotype NHMUK 1975146 (H = 15.1) I N. ventrosus (Reibisch, 1892), paralectotype NHMUK 1894.6.8.1 (H = 18.9) J N. achatellinus (Forbes, 1850), holotype NHMUK 1855.4.5.25 (H = 19.0). All enlarged.
Figure 15. *Naesiotus* species. **A–C** *N. quitensis* (Pfeiffer, 1848) **A** lectotype NHMUK 1975320 (H = 26.5) **B** possible syntype of *Bulimus irregularis* Pfeiffer, 1848 NHMUK 20100564 (H = 18.8) **C** lectotype of *Bulimus catlowiae* Pfeiffer, 1853 NHMUK 1975414 (H = 25.1) **D** *N. orbignyi* (Pfeiffer, 1846), lectotype of *Bulimus apertus* Pfeiffer, 1855 NHMUK 1975317 (H = 18.1) **E** *N. subcostatus chamayensis* Weyrauch, 1967, paratype NHMUK 1975423 (H = 17.5) **F–G** *N. cinereus* (Reeve, 1849), lectotype NHMUK 20100519 (H = 15.5) **G** apical view of protoconch sculpture **H–I** *N. crepundia* (d’Orbigny, 1835), paralectotypes **H** NHMUK 1854.12.4.173 (H = 26.6) **I** NHMUK 1854.12.4.174 (H = 23.2) **J** *N. montivagus* (d’Orbigny, 1835), lectotype NHMUK 1854.12.4.170 (H = 20.5) **K–L** *N. rocayanus* (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.176 (H = 22.9) **L** apical view of protoconch sculpture. All enlarged.
Figure 16. A–F *Naesiotus* species. A–C *N. rivasii* (d’Orbigny, 1837) A–B paralectotype NHMUK 1854.12.4.171 (H = 17.7) B apical view of protoconch sculpture C lectotype of *Bulimus sugillatus* Pfeiffer, 1857 NHMUK 1975259 (H = 23.7) D–F *N. trichodes* (d’Orbigny, 1835), lectotype NHMUK 1854.12.4.175 (H = 20.8) E apical view of protoconch sculpture F sculpture on dorsal side of (pen)ultimate whorl. G *N. dentritis* (Morelet, 1863), paralectotype NHMUK 1893.2.4.237 (H = 19.8) H *N. fontainii* (d’Orbigny, 1838), lectotype NHMUK 1854.12.4.165 (H = 13.2) I *N. fourmiersi* (d’Orbigny, 1837) NHMUK 1854.12.4.210, lectotype specimen and d’Orbigny 1837 [1834–1847]: pl. 30 figs 12–13. All enlarged.
Figure 17. Drymaeus species. A–C D. (Mesembrinus) lusorius (Pfeiffer, 1855), lectotype NHMUK 1975543 (H = 24.4) D–E D. (M.) hepatostomus (Pfeiffer, 1861), lectotype NHMUK 1975571 (H = 30.1) F–H D. (M.) attenuatus (Pfeiffer, 1853), lectotype NHMUK 1975458 (H = 34.0) I–K D. (M.) granadensis (Pfeiffer, 1848), lectotype of Bulimus feriatus Reeve, 1850, NHMUK 1975504 (H = 31.8) L–M D. (M.) immaculatus (C.B. Adams in Reeve 1850), lectotype NHMUK 1975540 (H = 30.5). All enlarged.
Figure 18. Drymaeus species. A–B D. (Mesembrinus) interruptus (Preston, 1909), lectotype NHMUK 1914.4.3.38 (H = 24.5) C–D D. (M.) granadensis (Pfeiffer, 1848), lectotype of Bulimus lividus (Reeve, 1850), lectotype NHMUK 1975208 (H = 24.5) E D. (M.) laetus (Reeve, 1849), lectotype NHMUK 1975534 (H = 26.6) F–G D. (M.) jonasi (Pfeiffer in Philippi 1846), syntype NHMUK 1975557 (H = 26.6) H–I D. (M.) studeri (Pfeiffer, 1847), lectotype of Bulimus primula (Reeve, 1848) NHMUK 1975478 (H = 25.0) J D. (M.) prestoni da Costa, 1906, lectotype NHMUK 1907.11.21.12 (H = 21.3) K–L D. (M.) muliebris (Reeve, 1849), lectotype NHMUK 1879.2.26.251 (H = 29.9) M–N D. (M.) roseatus (Reeve, 1848), lectotype NHMUK 1975309 (H = 35.6) O–P D. (M.) studeri (Pfeiffer, 1847), lectotype NHMUK 1975480 (H = 25.6) Q D. (M.) translucens panamensis (Broderip in Broderip and Sowerby I 1832), possible syntype NHMUK 20100614 (H = 18.2) R D. (M.) t. translucens (Broderip in Broderip and Sowerby I 1832), lectotype NHMUK 20100634 (H = 21.2). All enlarged.
Figure 19. *Drymaeus* species. A–B. *(Mesembrinus) aestivus* (Pfeiffer, 1857), syntype NHMUK 1975462 (H = 16.9) C. *(M.) amandus* (Pfeiffer, 1855), lectotype NHMUK 1975457 (H = 29.0) D. *(M.) castus* (Pfeiffer, 1847), lectotype NHMUK 1975197 (H = 19.0) E–F. *(M.) championi* (Martens, 1893), lectotype NHMUK 1901.6.22.451 (H = 27.0) G–H. *(M.) umbraticus* (Reeve, 1850) G lectotype NHMUK 1975184 (H = 15.3) H lectotype of Bulimus floridanus Pfeiffer, 1857 NHMUK 1975199 (H = 16.7) I–J. *(M.) columbiensis* (Pfeiffer, 1856), lectotype NHMUK 1975521 (H = 28.0) K–L. *(M.) columbianus* (Lea, 1838), lectotype of Bulimus hachensis Reeve, 1850 NHMUK 1975392 (H = 26.4). All enlarged.
Figure 20. *Drymaeus* species.  

A. *D. (Mesembrinus) lirinus* (Morelet, 1851), holotype NHMUK 1893.2.4.1954 (H = 30.2)  
B. *D. (M.) stramineus* (Guilding, 1828), syntype of *Bulimus lucidus* Reeve, 1848 NHMUK 1975524 (H = 28.9)  
C. *D. (M.) rawsoni* (Guppy, 1871), lectotype of *Bulimus* (*Drymaeus*) *rawsonis* H. Adams, 1873 NHMUK 1878.1.28.209 (H = 23.7)  
D–E. *D. (M.) sulphureus* (Pfeiffer, 1857) D lectotype NHMUK 20100585 (H = 28.7) E lectotype of *Bulimus citronellus* Angas, 1879 NHMUK 1879.7.22.19 (H = 25.0)  
F–G. *D. (M.) inusitatus* (Fulton, 1900), lectotype NHMUK 1901.4.25.28 (H = 28.3)  
H. *D. (M.) puellaris* (Reeve, 1850), lectotype NHMUK 1975400 (H = 22.4)  
I. *D. (M.) broadwayi* (E.A. Smith, 1896), holotype NHMUK 1895.11.28.10 (H = 11.9)  
J. *Drymaeus* sp., syntype of *Bulimus pallens* Reeve, 1849 [nomen inquirendum] NHMUK 20120056 (H = 17.9). All enlarged.
Figure 21. *Drymaeus* species. **A** *D. (Mesembrinus) aureolus* (Guppy, 1866), syntype NHMUK 1866.1.3.8 (H = 23.2) **B** *D. (M.) mossi* (E.A. Smith, 1896), holotype NHMUK 1912.5.11.1 (H = 21.8) **C** *D. (M.) imperfectus* (Guppy, 1866), lectotype of *Bulimulus (Drymaeus) trinitarius* (E.A. Smith, 1896) NHMUK 1875.2.8.2 (H = 20.1) **D** *D. (M.) vincentinus* (Pfeiffer, 1846), lectotype NHMUK 1975219 (H = 27.9) **E** *D. (M.) manupictus* (Reeve, 1848), lectotype NHMUK 1975522 (H = 33.3) **F** *D. (M.) tenuilabris* (Pfeiffer, 1866), lectotype NHMUK 1975338 (H = 30.2) **G** *D. (M.) subpellucidus* (E.A. Smith, 1877), syntype NHMUK 1872.5.22.19 (H = 20.0) **H** *D. (M.) wintlei* Finch, 1929, lectotype NHMUK 1929.6.11.1 (H = 21.7) **I** *D. (M.) pervariabilis* (Pfeiffer, 1853), lectotype NHMUK 1975547 (H = 33.3) **J** *D. (M.) nigrofasciatus* (Pfeiffer in Philippi 1846), lectotype NHMUK 1975542 (H = 23.5) **K** *D. (M.) tropicalis* (Morelet, 1849), lectotype NHMUK 1893.2.4.210 (H = 27.5). All enlarged.
Figure 22. *Drymaeus* species. **A** *D. (Mesembrinus) granadensis* (Pfeiffer, 1848), lectotype of *Bulimus incarnatus* Pfeiffer, 1855 NHMUK 1975566 (H = 30.7) **B** *D. (M.) pertristis* Pilsbry, 1898, syntype of *Bulimus tristis* Pfeiffer, 1855 NHMUK 1975299 (H = 29.3) **C** *D. (M.) depictus* (Reeve, 1849), lectotype NHMUK 1975529 (H = 27.9) **D** *D. (M.) trimariantus* (Martens, 1893), lectotype NHMUK 1901.6.22.950 (H = 31.5) **E** *D. (M.) electrum* (Reeve, 1848), lectotype NHMUK 1975510 (H = 29.6) **F** *D. (M.) serpenastrus* (Say, 1830), lectotype of *Bulimus nitelinus* Reeve, 1849 NHMUK 20100570 (H = 29.4) **G** *D. (M.) dutailbyi* (Pfeiffer, 1857), lectotype NHMUK 1975516 (H = 30.8) **H** *D. (M.) moricandi* (Pfeiffer, 1847), lectotype NHMUK 1975212 (H = 23.6) **I** *D. (M.) loxensis* (Pfeiffer, 1846), lectotype NHMUK 1975553 (H = 34.7) **J** *D. (M.) meridanus* (Pfeiffer, 1846), syntype NHMUK 1975523 (H = 35.9). All enlarged.
**Figure 23.** *Drymaeus* species. 

- **A** *D. (Mesembrinus) andicola* (Pfeiffer, 1847), lectotype NHMUK 1975315 (H = 24.1)  
- **B** *D. (M.) elongatus* (Röding, 1789), holotype of *Balimus apiculatus* J.E. Gray, 1834 NHMUK 1982297 (H = 20.2)  
- **C** *D. (M.) ziegleri* (Pfeiffer, 1847), syntype of *Balimus californicus* Reeve, 1848 NHMUK 1975136 (H = 25.9)  
- **D** *D. (M.) discrepans* (Sowerby I, 1833), syntype NHMUK 1975181 (H = 20.7)  
- **E** *D. (M.) emeus* (Say, 1830), paralectotype of *Otothomus emeus hypozonus* Martens, 1893 NHMUK 1901.6.22.794 (H = 19.3)  
- **F** *D. (M.) monilifer* (Reeve, 1848), lectotype NHMUK 1975403 (H = 26.3)  
- **G** *D. (M.) fidustus* (Reeve, 1849), lectotype NHMUK 1975517 (H = 22.5)  
- **H** *D. (M.) binominis* (E.A. Smith, 1895), lectotype of *Balimulus (Drymaeus) binominis lascellanus* E.A. Smith, 1895 NHMUK 1895.9.10.1 (H = 22.1)  
- **I** *D. (M.) apicepunctata* (Preston, 1914), holotype NHMUK 1915.1.6.23 (H = 17.5)  
- **J** *D. (M.) moussoni* (Pfeiffer, 1853), lectotype NHMUK 1975211 (H = 26.0)  
- **K** *D. (M.) cactivorus* (Broderip in Broderip and Sowerby I 1832), possible syntype of *Balimulus nitidus* Broderip in Broderip and Sowerby I 1832 NHMUK 1975551 (H = 28.8)  
- **L** *D. (M.) sp.*, possible syntype of *Balimulus sowerbyi* Pfeiffer, 1847 [nomen inquirendum] NHMUK 20100566 (H = 21.7)  
- **M** *D. (M.) sulcosus* (Pfeiffer, 1841), possible syntype NHMUK 20110084 (H = 37.0). All enlarged.
Figure 24. *Drymaeus* species. **A** D. (*Mesembrinus*) flavidulus (E.A. Smith, 1877), lectotype NHMUK 1975134 (H = 21.4) **B** D. (*M.*) fuscohastis (E.A. Smith, 1877), lectotype NHMUK 1975139 (H = 28.7) **C** D. (*M.*) virginalis (Pfeiffer, 1856), probable syntype NHMUK 1975503 (H = 27.9) **D** D. (*M.*) de-shayesi (Pfeiffer, 1845), lectotype NHMUK 1975526 (H = 44.5) **E** D. (*M.*) columbianus (Lea, 1838), lectotype of *Bulimus gruneri* Pfeiffer, 1846 NHMUK 20100563/1 (H = 27.8) **F** D. (*M.*) rectilinaris (Pfeiffer, 1855), NHMUK 1975337 (H = 23.9) **G** D. (*M.*) multilineatus (Say, 1825), paralectotype of *Bulimus sinalensis* Morelet, 1849 NHMUK 1893.2.4.1655 (H = 24.1) **H** D. (*M.*) koppeli (Sowerby III, 1892), lectotype NHMUK 1907.11.21.133 (H = 25.5) **I** D. (*M.*) hondurasanus (Pfeiffer, 1846), lectotype NHMUK 1975265 (H = 28.6) **J** D. (*M.*) inglorius (Reeve, 1848), lectotype NHMUK 1975536 (H = 25.6) **K** D. (*M.*) tripictus hoffmanni (Martens, 1893), holotype of *Drymaeus prestoni cancellata* da Costa, 1906 NHMUK 1907.11.21.13 (H = 18.1) **L** D. (*M.*) gabbi (Angas, 1879), lectotype NHMUK 1879.7.22.23 (H = 20.6). All enlarged.
Figure 25. *Drymaeus* species. **A** *D. (Mesembrinus) aurifluus* (Pfeiffer, 1857), lectotype NHMUK 1975502 (H = 21.8) **B** *D. (M.) bugabensis* (Martens, 1893), lectotype NHMUK 1901.6.22.958 (H = 26.3) **C** *D. (M.) dubius* (Pfeiffer, 1853), lectotype NHMUK 1975519 (H = 27.1) **D** *D. (M.) (?) rufescens* (J.E. Gray, 1825), lectotype of *Bulimus erusbescens* Pfeiffer, 1847 NHMUK 1975562 (H = 24.2) **E** *D. (M.) conicus* da Costa, 1907, lectotype NHMUK 1907.11.21.32 (H = 17.5) **F** *D. (M.) granadensis* (Pfeiffer, 1848), lectotype of *Bulimus demotus* Reeve, 1850 NHMUK 1975504 (H = 31.8) **G** *D. (M.) vexillum* (Wood, 1828), lectotype of *Bulimus keppelli* Pfeiffer, 1853 NHMUK 1975538 (H = 33.2) **H** *D. (M.) attenuatus varicosus* (Pfeiffer, 1853), lectotype NHMUK 1975466 (H = 35.5) **I-K** *D. (D.) signifer* (Pfeiffer, 1855), lectotype NHMUK 1975216 (H = 32.9). All enlarged.
Figure 26. Drymaeus species. A–C D. (D.) abscissus (Pfeiffer, 1855), lectotype NHMUK 1975497 (H = 27.8). D–F D. (D.) fallax (Pfeiffer, 1853), lectotype NHMUK 1969142 (H = 22.4). G–I D. (D.) bourcieri (Pfeiffer, 1853), lectotype NHMUK 1975446 (H = 23.9). J–L D. (D.) abruptus (Rolle, 1904), syntype NHMUK 1947.2.10.1 (H = 42.5). All enlarged.
Figure 27. *Drymaeus* species. **A–F** *D. (D.) abyssorum* (d’Orbigny, 1835) **A–C** paralectotype of *Helix abyssorum* d’Orbigny, 1835, NHMUK 1854.12.4.125 (H = 43.7) **D–F** lectotype of *Helix hygrohylaea* d’Orbigny, 1835, NHMUK 1854.12.4.127 (H = 40.4) **G–I** *D. (D.) marmarinus* (d’Orbigny, 1835), lectotype NHMUK 1854.12.4.129 (H = 37.9) **J–L** *D. (D.) xanthostomus* (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.221 (H = 43.8). All enlarged.
Figure 28. *Drymaeus* species. **A–C** *D. (D.) linostoma* (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.132 (H = 29.7) **D** *D. (D.) zoographicus* (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.131 (H = 31.7) **E–G** *D. (D.) aequatorianus* (E.A. Smith, 1877), lectotype NHMUK 1975137 (H = 26.6) **H–J** *D. (D.) bellus* da Costa, 1906, holotype NHMUK 1907.11.21.8 (H = 33.2). All enlarged.
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Figure 29. Drymaeus species. A–C D. (D.) orthostoma (E.A. Smith, 1877), lectotype NHMUK 1975132 (H = 36.5) D–F D. (D.) fusoides (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.133 (H = 24.6) G–I D. (D.) albolabiatuus (E.A. Smith, 1877), holotype NHMUK 1877.3.28.3 (H = 34.0) J–L D. (D.) strigatus (Sowerby I, 1833), lectotype of Bulimus musivus Pfeiffer, 1855, NHMUK 1975292 (H = 21.5). All enlarged.
Figure 30. *Drymaeus* species. **A–F** *D. (D.) strigatus* (Sowerby I, 1833) **A–C** possible syntype NHMUK 20090168 (H = 24.9) **D–F** lectotype of *Bulimus saccatus* Pfeiffer, 1855 NHMUK 1975207 (H = 21.5) **G–I** *D. (D.) smithii* (da Costa, 1898), holotype NHMUK 1907.11.21.52 (H = 29.5) **J–L** *D. (D.) ziczac* (da Costa, 1898), lectotype NHMUK 1907.11.21.46 (H = 26.5) **M–O** *D. (D.) gueinzii* (Pfeiffer, 1857), lectotype NHMUK 1975539 (H = 23.2). All enlarged.
Figure 31. Drymaeus species. **A–F** *D. (D.) baranguillanus* (Pfeiffer, 1853) **A–C** lectotype NHMUK 1975452 (H = 31.5) **D–F** lectotype of *Bulimus antioquensis* Pfeiffer, 1855 NHMUK 1975450 (H = 29.6) **G–I** *D. (D.) caucaensis* (da Costa, 1898), lectotype NHMUK 1907.11.21.43 (H = 34.8) **J–L** *D. (D.) confluens* (Pfeiffer, 1855), lectotype NHMUK 1975196 (H = 39.5). All enlarged.
Figure 32. Drymaeus species. A–C D. (D.) hidalgoi (da Costa, 1898), lectotype NHMUK 1907.11.21.28 (H = 39.0) D–F D. (D.) solidus (Preston, 1907), syntype NHMUK 1908.7.2.72 (H = 32.8) G–I D. (D.) notatus (da Costa, 1906), lectotype NHMUK 1907.11.21.6 (H = 34.5) J–L D. (D.) notabilis da Costa, 1906, lectotype NHMUK 1907.11.21.5 (H = 32.8). All enlarged.
**Figure 33.** *Drymaeus* species. A–C *D. (D.) incognitus* da Costa, 1907, holotype NHMUK 1907.11.21.24 (H = 29.8) D–F *D. (D.) exoticus* (da Costa, 1901), lectotype NHMUK 1907.11.21.38 (H = 24.8) G–I *D. (D.) elsteri* da Costa, 1901, lectotype NHMUK 1907.11.21.34 (H = 33.9) J–L *D. (D.) subventricosus* da Costa, 1901, lectotype NHMUK 1907.11.21.37 (H = 30.1) M–O *D. (D.) dacostae* (Sowerby III, 1892), holotype NHMUK 1907.11.21.51 (H = 26.3). All enlarged.
Figure 34. *Drymaeus* species. A–C *D. (D.) flexuosus* (Pfeiffer, 1853), lectotype NHMUK 1975202 (H = 43.0) D–F *D. (D.) spadiceus* da Costa, 1906, holotype NHMUK 1907.11.21.15 (H = 37.3). All enlarged.
Figure 35. *Drymaeus* species. **A–C** *D. (D.) volus* Fulton, 1907, lectotype NHMUK 1907.5.3.162 (H = 30.3) **D–F** *D. (D.) yungasensis* (d’Orbigny, 1837), lectotype NHMUK 1854.12.4.134 (H = 32.6) **G–I** *D. (D.) lucidus* (da Costa, 1898), lectotype NHMUK 1907.11.21.44 (H = 18.6) **J–L** *D. (D.) sykesi* da Costa, 1906, holotype NHMUK 1907.11.21.4 (H = 51.7). All enlarged.
Figure 36. *Drymaeus* species. **A–C** *D. (D.) boucardi* da Costa, 1907, holotype NHMUK 1907.11.21.26 (H = 26.9) **D–F** *D. (D.) buckleyi* (Sowerby III, 1895), lectotype NHMUK 1907.11.21.48 (H = 27.3) **G–I** *D. (D.) castaneostrigatus* da Costa, 1906, holotype NHMUK 1907.11.21.13 (H = 20.4) **J–L** *D. (D.) tigrinus* (da Costa, 1898), lectotype NHMUK 1907.11.21.55 (H = 20.8). All enlarged.
Figure 37. *Drymaeus* species. A–C *D. (D.) auris* (Pfeiffer, 1866), lectotype NHMUK 1975499 (H = 38.8) D–E *D. (D.) mexicanus* (Lamarck, 1822), lectotype of *Bulimus humboldtii* Reeve, 1849 NHMUK 1975528 (H = 27.6) F–H *D. (D.) coarctatus* (Pfeiffer, 1845), lectotype 1975560 (H = 34.6) I–K *D. (D.) dombeyanus* (Pfeiffer, 1846), syntype NHMUK 1844.10.2.32 (H = 56.8) L–N *D. (D.) angustus* da Costa, 1906, holotype NHMUK 1907.11.21.14 (H = 31.5). All enlarged.
Figure 38. *Drymaeus* species. **A–C** *D. (D.) chimboraensis* (Reeve, 1848), syntype NHMUK 1975460 (H = 39.7) **D–F** *D. (D.) fabrefactus* (Reeve, 1848), lectotype NHMUK 1975531 (H = 38.5) **G–I** *D. (D.) canaliculatus* (Pfeiffer, 1845), lectotype NHMUK 1975514 (H = 36.0) **J–L** *D. (D.) murrinus* (Reeve, 1848), lectotype NHMUK 1975213 (H = 37.1). All enlarged.
Figure 39. *Drymaeus* species. A–F *D. (D.) convexus* (Pfeiffer, 1855) A–C lectotype NHMUK 1975192 (H = 38.5) D–F lectotype of *Bulimus (Drymaeus) plicatoliratus* da Costa, 1898, NHMUK 1907.11.21.120 (H = 36.6) G–I *D. (D.) phryne* (Pfeiffer, 1863), lectotype NHMUK 1975214 (H = 30.8) J–L *D. (D.) nystianus* (Pfeiffer, 1853), lectotype NHMUK 1975573 (H = 31.9). All enlarged.
Figure 40. *Drymaeus* species. A–C *D. (D.) chamaeleon* (Pfeiffer, 1855), syntype NHMUK 1975448 (H = 27.6) D–F *D. (D.) rosenbergi* da Costa, 1900, lectotype NHMUK 1907.11.21.17 (H = 19.0) G–I *D. (D.) zhurquinensis* (Angas, 1879), lectotype NHMUK 1879.7.22.15 (H = 46.1) J–L *D. (D.) ambustus* (Reeve, 1849), lectotype NHMUK 1975441/1 (H = 29.0). All enlarged.
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Figure 41. *Drymaeus* species. **A–C** *D. (D.) arcuatostriatu*s (Pfeiffer, 1855), lectotype NHMUK 1975455 (H = 27.6) **D–F** *D. (D.) expansus* (Pfeiffer, 1848), holotype of *Otostomus scitus* H. Adams, 1867 NHMUK 1867.5.18.5 (H = 27.1) **G–I** *D. (D.) bartletti* (H. Adams, 1867), lectotype NHMUK 1867.5.18.4 (H = 28.5). All enlarged.
Figure 42. Drymaeus species. A–C D. (D.) bogotensis (Pfeiffer, 1855), lectotype NHMUK 1975191 (H = 37.4) D–F D. (D.) bolivianus (Pfeiffer, 1846), lectotype NHMUK 1975444 (H = 33.0) G–I D. (D.) cuticula (Pfeiffer, 1855), lectotype NHMUK 1975451 (H = 27.5) J–L D. (D.) chiriquensis da Costa, 1901 (H = 29.1). All enlarged.
Figure 43. *Drymaeus* species. **A–C** *D. (D.) cuzcoensis* (Reeve, 1849), lectotype NHMUK 1975453 (H = 36.6) **D–F** *D. (D.) clathratus* (Pfeiffer, 1858), lectotype NHMUK 1975449 (H = 30.0) **G–I** *D. (D.) praetextus* (Reeve, 1849), lectotype NHMUK 198340 (H = 39.0) **J–L** *D. (D.) alabastrinus* da Costa, 1906, holotype NHMUK 1907.11.21.16 (H = 33.0). All enlarged.
Figure 44. Drymaeus species. A–C. (D.) cylindricus da Costa, 1901, lectotype NHMUK 1907.11.21.42 (H = 30.6) D–F. (D.) scitulus (Reeve, 1849), lectotype NHMUK 1975217 (H = 29.5) G–I. (D.) vespertinus (Pfeiffer, 1858), lectotype NHMUK 1975471 (H = 34.6) J–L. (D.) pseudofusoides da Costa, 1906, holotype NHMUK 1907.11.21.11 (H = 33.6) M–O. (D.) lophoicus (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.135 (H = 32.7). All enlarged.
Figure 45. *Drymaeus* species. 

A–C *D. (D.) acuminatus* da Costa, 1906, holotype NHMUK 1907.11.21.10 (H = 33.4)

D–F *D. (D.) felix* (Pfeiffer, 1862), lectotype NHMUK 1975206 (H = 34.0)

G–I *D. (D.) fucatus* (Reeve, 1849), lectotype NHMUK 1874.12.11.224 (H = 23.5)

J–L *D. (D.) farrisi* (Pfeiffer, 1858), lectotype NHMUK 1975506 (H = 46.8)

M–N *D. (D.) poecilus* (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.155 (H = 34.8). All enlarged.
Figure 46. *Drymaeus* species. **A–C** *D. (D.) punctatus* da Costa, 1907, lectotype NHMUK 1907.11.21.20 (H = 36.6) **D–F** *D. (D.) pulcherrimus* (H. Adams, 1867), holotype NHMUK 1867.5.18.3 (H = 39.1) **G–I** *D. (D.) subhybridus* (da Costa, 1906), holotype NHMUK 1907.11.21.127 (H = 49.1) **J–L** *D. (D.) geometricus* (Pfeiffer, 1846), lectotype NHMUK 1975564 (H = 34.6). All enlarged.
Figure 47. *Drymaeus* species. A–C *D. (D.) inclinatus* (Pfeiffer, 1862), lectotype NHMUK 1975532 (H = 33.1) D–I *D. (D.) quadrifasciatus* (Angas, 1878) D–F lectotype NHMUK 1879.1.21.3 (H = 28.9) G–I lectotype of *Bulimus (Otostomus) napa* Angas, 1878 NHMUK 1879.1.21.4 (H = 31.3). All enlarged.
Figure 48. *Drymaeus* species. A–C *D. (D.) ochrocheilus* (E.A. Smith, 1877), lectotype NHMUK 1877.3.28.4 (H = 37.1) D–F *D. (D.) recedens* (Pfeiffer, 1864), lectotype NHMUK 1975.477 (H = 27.3) G–I *D. (D.) spectatus* (Reeve, 1849), lectotype NHMUK 1874.12.11.226 (H = 39.2) J–L *D. (D.) regularis* Fulton, 1905, lectotype NHMUK 1905.11.17.2 (H = 29.6). All enlarged.
Figure 49. *Drymaeus* species. **A–C** *D. (D.) selli* (Preston, 1909), lectotype NHMUK 1915.1.6.36 (H = 24.0) **D–F** *D. (D.) serratus* (Pfeiffer, 1855), lectotype NHMUK 1975475 (H = 26.3) **G–I** *D. (D.) protractus* (Pfeiffer, 1855), lectotype NHMUK 1975494 (H = 29.3) **J–L** *D. (D.) bivittatus* (Sowerby I, 1833), lectotype of *Bulimus flexilabris* Pfeiffer, 1853 NHMUK 1975559 (H = 27.1) **M–O** *D. (D.) subinterruptus* (Pfeiffer, 1853), lectotype NHMUK 1975470 (H = 36.7). All enlarged.
Figure 50. Drymaeus species. A–C *D. (D.) acervatus* (Pfeiffer, 1857), lectotype NHMUK 1975461 (H = 41.5) D–F *D. (D.) dunkeri* (Pfeiffer in Philippi 1846), lectotype NHMUK 1975512 (H = 34.8) G–I *D. (D.) lattrei* (Pfeiffer in Philippi 1846), lectotype NHMUK 1975555 (H = 42.6). All enlarged.
Figure 51. *Drymaeus* species. A–C *D. (D.) expatriatus* (Preston, 1909), lectotype NHMUK 1975201 (H = 28.1) D–F *D. (D.) trigonostomus* (Jonas, 1844), possible syntype of *Bulimus knorri* Pfeiffer, in Philippi, 1846 NHMUK 20100654 (H = 34.1) G–I *D. (D.) fenestrellus* (Martens, 1864), lectotype of *Bulimus (Mesembrinus) geali* H. Adams, 1867 NHMUK 1867.1.9.20 (H = 26.4) J–L *D. (D.) fenestratus* (Pfeiffer, 1846), lectotype NHMUK 1975525 (H = 44.0). All enlarged.
Figure 52. *Drymaeus* species. A–B *D. (D.) bolivarii* (d’Orbigny, 1835), d’Orbigny 1837 [1834–1847]: pl. 39 figs 5–6 C–D *D. (D.) brachysoma* (d’Orbigny, 1835), d’Orbigny 1837 [1834–1847]: pl. 39 figs 9–10 E–F Remarks of S.P. Dance in the margin of the text.
Figure 53. *Drymaeus* species. A–C *D. (D.) lilacinus lilacinus* (Reeve, 1849), probably syntype NHMUK 20100520 (H = 45.5) D–F *D. (D.) jansoni* (Martens, 1893), lectotype NHMUK 1901.6.22.951 (H = 45.7) G–I *D. (D.) malleatus* (da Costa, 1898), holotype NHMUK 1907.11.21.130 (H = 34.5). All enlarged.
Figure 54. Drymaeus species. A–B D. (D.) expansus perenensis da Costa, 1901, lectotype NHMUK 1907.11.21.39 (H = 45.8) C–D D. (Mesembrinus) ghibreghiti iodostylus (Pfeiffer, 1861), syntype NHMUK 1975568 (H = 32.2) E D. (Drymaeus) trujillensis (Philippi, 1867), possible syntype of Bulimus (Otostomus) lamas Higgins, 1868 NHMUK 1868.4.3.3 (H = 29.2) F D. (D.) rubrovariegatus (Higgins, 1868), possible syntype NHMUK 1868.4.3.1 (H = 32.8) G D. (D.) pergracilis (Rolle, 1904), lectotype NHMUK 1922.2.3.33 (H = 33.2) H D. (D.) ponsonbyi da Costa, 1907, holotype NHMUK 1907.11.21.27 (H = 33.5) I D. (M.) moritinctus (Martens, 1893), lectotype NHMUK 1901.6.22.841 (H = 25.2) J–K D. (M.) recluzianus (Pfeiffer, 1847), lectotype of Bulimus (Drymaeus) nubilus Preston, 1903 NHMUK 1903.5.4.1 (H = 22.3) L–M D. (M.) oreades (d’Orbigny, 1835) L sculpture on ultimate whorl M lectotype NHMUK 1854.121.4.161 (H = 31.6). All enlarged.
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Figure 55. A *Protoglyptus pilosus* (Guppy, 1871), syntype NHMUK 1875.2.8.3 (H = 14.95) B–C *P. martinicensis* (Pfeiffer, 1846), lectotype NHMUK 197451 (H = 19.5) C sculpture on dorsal side of (pen) ultimate whorl D–E *P. sanctaeluciae* (E.A. Smith, 1889), lectotype NHMUK 1889.3.23.12 (H = 20.7) E sculpture on dorsal side of (pen) ultimate whorl F *Naesiotus lycodes* (Dall, 1917), possible paratype NHMUK 1937.6.18.11 (H = 10.0) G *N. habeli* ('Stearns' Dall, 1892), possible syntype of *Bulimulus (Pleuropyrgus) terebra* Reibisch, 1892 NHMUK 1894.6.8.2 (H = 19.1) H *N. orbignyi* (Pfeiffer, 1846), lectotype NHMUK 1975349 (H = 18.5). All enlarged.
Figure 56. *Neopetraeus* species. **A–C** *N. altoperuvianus* (Reeve, 1849), lectotype NHMUK 1975437 (H = 46.5) **D–F** *N. atahualpa* (Dohrn, 1863), possible syntype NHMUK 1975436 (H = 38.5) **G–I** *N. decussatus* (Reeve, 1849), lectotype NHMUK 1975180 (H = 37.7) **J–L** *N. patasensis* (Pfeiffer, 1858), lectotype NHMUK 1975439 (H = 46.8). All enlarged.
Figure 57. Neopetraeus species. A–F N. lobbii (Reeve, 1849) A–C lectotype NHMUK 1975431 (H = 44.3) D–F lectotype of Bulimus ptychostylus Pfeiffer, 1858 NHMUK 1975430 (H = 46.7) G–I N. decussatus (Reeve, 1849), lectotype of Bulimus myristicus Reeve, 1849 NHMUK 1975433 (H = 40.3) J–L N. platystomus (Pfeiffer, 1858), lectotype NHMUK 1975428 (H = 34.4). All enlarged.
Figure 58. *Neopetraeus* species. **A–B** *N. cora* (d’Orbigny, 1835), lectotype NHMUK 1854.12.4.124 (H = 43.9) **C–E** *N. binneyanus* (Pfeiffer, 1857), lectotype NHMUK 1975426 (H = 25.2) **F–G** *N. excoriatus* (Pfeiffer, 1855), lectotype NHMUK 1975500 (H = 38.4). All enlarged.
Figure 59. *Newboldius crichtoni* (Broderip, 1836)  
**A–C** Holotype of *Bulimus (?) illustris* Rolle, 1905 NHMUK 1922.2.24.40 (H = 61.2)  
**D–F** Holotype NHMUK 1958.9.3.4 (H = 71.3). All enlarged.
Figure 60. *Bulimus* species. **A–B** *B. fuscus* (Guilding, 1828), lectotype of *Bulimus barbadensis* Pfeiffer, 1853 NHMUK 1974054 (H = 21.3) **C–D** *B. (?) dukinfieldi* Melvill, 1900 [nomen inquirendum], lectotype NHM 1900.9.27.2 (H = 28.1) **E–F** *B. cacticolus* (Reeve, 1849), syntype NHMUK 20100515 (H = 24.4) **G–H** *B. erectus* (Reeve, 1849), syntype NHMUK 20100516 (H = 22.0) **I–J** *B. mollicellus* (Reeve, 1849), lectotype NHMUK 1975185 (H = 17.2) **K–L** *Bulimus coriaceus* (Pfeiffer, 1857), syntype NHMUK 1975409 (H = 17.1). All enlarged.
Figure 61. *Bulimus* species. A–B *B. juvenilis* (Pfeiffer, 1855), lectotype NHMUK 1975161 (H = 19.5) 
C–D *B. tenuissimus* (d’Orbigny, 1835), syntype NHMUK 1854.12.4.163 (H = 19.1) E–F *B. pliculatus* (Pfeiffer, 1857), lectotype NHMUK 1975390 (H = 23.0) G–H *B. haplochrous* (Pfeiffer, 1855), lectotype NHMUK 1975405 (H = 28.6). All enlarged.
Figure 62. *Bulimulus* species. **A–B** *B. effeminatus* (Reeve, 1848), lectotype NHMUK 1975508 (H = 31.1) **C–D** *B. gelidus* (Reeve, 1849) [nomen inquirendum], lectotype NHMUK 1975402 (H = 32.5) **E–F** *B. heloi cus* (d’Orbigny, 1835), syntype NHMUK 1854.12.4.164 (H = 25.6) **G–H** *B. inutilis* (Reeve, 1850), lectotype NHMUK 1975162 (H = 16.5) **I–J** *B. unicolor* (Sowerby I, 1833), lectotype of *Bulimus ignavus* Reeve, 1849 (H = 17.1) **K–L** *Bulimus dysoni* (Pfeiffer, 1846), syntype NHMUK 1975453 (H = 19.2). All enlarged.
Figure 63. Bulimus species. A–B *B. monachus* (Pfeiffer, 1857), lectotype NHMUK 20100584 (H = 31.2) C–D *B. guadalupensis* (Bruguère, 1789), lectotype of *Bulimus rubrifasciatus* Reeve, 1848 NHM 1975393 (H = 22.9) E–F *B. corneous* (Sowerby I, 1833), lectotype of *Bulimus nubeculatus* Pfeiffer, 1853 NHMUK 1975407 (H = 16.0) G–H *B. transparent* (Reeve, 1849), lectotype NHMUK 1975397 (H = 18.4) I–J *B. marcidus* (Pfeiffer, 1853), possible synotype NHMUK 20100649 (H = 18.0) K–L *B. turritellatus* (Beck, 1838), paralectotype of *Helix turritella* d’Orbigny 1835 NHMUK 1854.12.4.166 (H = 19.3) M–P *B. unicolor* (Sowerby I, 1833) M–N lectotype of *Bulimus petenensis* Morelet, 1851 NHMUK 1893.2.4.1176 (H = 18.7) O–P Possible syntype of *Bulimus istapensis* Crosse and Fischer, 1873 NHMUK 1893.2.4.1185 (H = 11.2). All enlarged.
Figure 64. A–B Bostryx apodemetes (d’Orbigny, 1835), lectotype of Bulimus pessulatus Reeve, 1848 NHMUK 1975313 (H = 21.6). C–J Bulimus species. C–D B. pervius (Pfeiffer, 1853), lectotype NHMUK 1975165 (H = 24.3) E–H B. bonariensis (Rafinesque, 1833) E–F B. b. sporadicus (d’Orbigny, 1835), lectotype NHMUK 1854.12.4.160 (H = 27.8) G–H B. b. bonariensis (Rafinesque, 1833), syntype of Bulimus monteviensiis Pfeiffer, 1846 NHMUK 1975401 (H = 34.2) I–J B. vesicalis (Pfeiffer, 1853), lectotype NHMUK 1975395 (H = 24.8). All enlarged.
Figure 65. *Scutalus* species. A–B *S. baroni* (Fulton, 1896), lectotype NHMUK 1896.6.23.1 (H = 12.7) C–F *S. cretaceus* (Pfeiffer, 1855)  C–D lectotype NHMUK 1975388 (H = 35.2)  E–F lectotype of *Bulimulus* (*Drymaeus*) *baroni* Fulton, 1897 NHMUK 1897.8.3.173 (H = 34.3) G *S. chiletensis* Weyrauch, 1967, paratype NHMUK 1975384 (H = 34.2) H *S. grandiventris* Weyrauch, 1960, paratype NHMUK 1975386 (H = 54.1) I–J *S. latecolumellaris* Preston, 1909, lectotype NHMUK 1922.2.24.39 (H = 54.0). All enlarged.
Figure 66. A–D *Scutalus* species. A–B *S. proteus* Broderip in Broderip and Sowerby I 1832, lectotype NHMUK 20100638 (H = 44.1). C–E *S. versicolor* versicolor (Broderip in Broderip and Sowerby I 1832) C–D possible syntype NHMUK 20100637 (H = 29.6). E lectotype of *Bulimus coagulatus* Reeve 1849 NHMUK 1975351 (H = 15.6). F–P *Kuschelenia* species. F–N *K. (Kuschelenia) culminea* culminea (d’Orbigny, 1835) F–H paralectotype NHMUK 1854.12.4.198 (H = 31.2). I–K lectotype of *Bulimus confusus* Reeve, 1848 NHMUK 1975194 (H = 29.0). L–N lectotype of *Bulimus jussieui* Pfeiffer, 1846 NHMUK 1975170 (H = 31.6). O–P *K. (K.) bicolor* (Sowerby I, 1835), lectotype NHMUK 1975151 (H = 23.6). All enlarged.
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Figure 67. Kuschelenia species. A–B, K. (Kuschelenia) culminea culminea (d’Orbigny, 1835), paralectotype of Helix lithoica d’Orbigny, 1835 NHMUK 1854.12.4.197 (H = 34.3) C–D, L. K. (K.) culminea edwardsi (Morelet, 1863), syntype NHMUK 1893.2.4.177 (H = 25.4) E–G, M. K. (K.) gayi (Pfeiffer, 1857) E–F lectotype NHMUK 1975382 (H = 27.7) G syntype of Helix thamnoica var. C d’Orbigny, 1835 NHMUK 1854.12.4.110 (H = 32.2) H–J. K. (K.) bicolor (Sowerby I, 1835) H–I lectotype resp. paralectotype of Helix polymorpha d’Orbigny, 1835 NHMUK 1854.12.4.199 (H = 23.6 resp. 21.2) J possible syntype of Bulinus badius Sowerby I 1835 NHMUK 20100631 (H = 25.8). All enlarged.
Figure 68. Kuschelenia species.  

A  K. (K.) thamnoica (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.111 (H = 44.0)  

B–C  K. (K.) alauda Hupé, 1857  

B paralectotype of Helix thamnoica var. B d’Orbigny 1835 NHMUK 1854.12.4.109 (H = 52.7)  
C lectotype of Helix thamnoica var. D d’Orbigny 1835 NHMUK 1854.12.4.108 (H = 40.8)  

D–E  K. (K.) tupacii (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.113 (H = 76.0). All enlarged.
Figure 69. *Kuschelenia* species. **A–B** *K. (Vermiculatus) aequatorius* Pfeiffer, 1853, lectotype NHMUK 1975377 (H = 37.8) **C–D**, **K. (V.) caliginosus* (Reeve, 1849), lectotype NHMUK 20100518.1 (H = 35.4) **E–F**, **I K. (V.) anthisanensis* (Pfeiffer, 1853), lectotype NHMUK 1975372 (H = 40.2) **G–H**, **J K. (V.) cotopaxiensis* (Pfeiffer, 1853), lectotype NHMUK 1975370 (H = 33.9). All enlarged.
Figure 70. *Kuschelenia* species. **A–B**, *K.* (*Vermiculatus*) *aquilus* (Reeve, 1848), lectotype NHMUK 1975376 (H = 27.1) **C–D**, *L* *K.* (*V.*) *filaris* (Pfeiffer, 1853), syntype NHMUK 1975569 (H = 25.1) **E–F**, *M* *K.* (*V.*) *anthisanensis* (Pfeiffer, 1853), lectotype of *Bulimus subfasciatus* Pfeiffer, 1853 NHMUK 1975368 (H = 31.0) **G–H**, *K.* (*V.*) *nucinus* (Reeve, 1850), lectotype NHMUK 1975379 (H = 36.8) **I–J**, *K.* (*V.*) *petiti* (Pfeiffer, 1846), lectotype NHMUK 1975374 (H = 36.0). All enlarged.
Figure 71. Kuschelenia species. **A–B, I** K. (Vermiculatus) peaki (Breure, 1978), paratype NHMUK 1975579 (H = 23.5) **C–D, K** K. (V.) quechuarum (Crawford, 1939), holotype NHMUK 1939.4.17.226 (H = 21.5) **E–F, J** K. (V.) ochracea (Morelet, 1863), lectotype NHMUK 1893.2.4.164 (N = 36.0) **G–H** K. (V.) purpuratus (Reeve, 1849), lectotype NHMUK 1975364 (H = 37.3)
Figure 72. A–C *Naesiotus rimatus* (Pfeiffer, 1847), lectotype NHMUK 1975418 (H = 33.1) D–I *Rabdotus* species. D–F *R. schiedeanus schiedeanus* (Pfeiffer, 1841), probable syntype NHMUK 1975240 (H = 28.4) G–I *R. sufflatus* (Gould, 1859), syntype of *Bulimus juarezi* Pfeiffer, 1866 NHMUK 1975421 (H = 31.5). All enlarged.
Figure 73. A–E Rabdotus dealbatus (Say, 1821). A–C paratype of Bulimulus ragsdalei Pilsbry 1890 NHMUK 1898.2.1.9 (H = 18.3) D–E lectotype of Bulimus liquabilis Reeve 1848 NHMUK 1975422 (H = 21.3) F–H Naesiotus durangoanus (Martens, 1893), holotype NHMUK 1901.6.22.871 (H = 15.0) I–J N. sp., possible syntype of Bulimus clarus Pfeiffer, 1857 [nomen inquirendum] NHMUK 1975487 (H = 15.9) K–L N. pazianus (d’Orbigny, 1835), paralectotype NHMUK 1854.12.4.196 (H = 24.3). All enlarged.
Figure 74. A *Naesiotus eschariferus* (Sowerby I, 1833), syntype NHMUK 1975153 (H = 18.4) B *N. rugulosus* (Sowerby I, 1838), lectotype NHMUK 1975176 (H = 20.5) C *N. sculpturatus* (Pfeiffer, 1846), lectotype NHMUK 1975174 (H = 14.1) D *N. munsterii* (d’Orbigny, 1837), syntype NHMUK 1854.12.4. (H = 21.7) E–G *Drymaeus* (*D.*) *laxostylus* (Rolle, 1904), holotype NHMUK 1922.2.23.32 (H = 39.9). All enlarged.
Figure 75. A–C Stenostylus nigrolimbatus (Pfeiffer, 1853), lectotype NHMUK 1975549 (H = 28.0) D–F Stenostylus meleagris (Pfeiffer, 1853), lectotype NHMUK 20100583 (H = 31.3) G Auris chrysotoma (Moricand, 1836), probable syntype of Bulimus swainsoni Pfeiffer 1845 NHMUK 20100586 (H = 60.0) H–I Drymaeus (D.) lilacinus (Reeve, 1849), lectotype of Bulimus patricius Reeve, 1849 NHMUK 1874.12.11.220 (H = 52.1). All enlarged.
Figure L1. Labels. 

i Bulimus (Drymaeus) abruptus Rolle, 1904

ii Bulimus abscessus Pfeiffer, 1855

iii Helix abyssorum d’Orbigny, 1835

iv Bulimus acalles Pfeiffer, 1853

v Bulimus acervatus Pfeiffer, 1857.
Figure L2. Labels. i Bulimus achatellinus Forbes, 1850 ii Drymaeus acuminatus da Costa, 1906 iii Bulimus (Drymaeus) aequatorianus E.A. Smith, 1877 iv Bulimus aestivus Pfeiffer, 1857 v–vi Bulimus aequatorius Pfeiffer, 1853.
Figure L3. Labels. i–ii Bulinus affinis Broderip in Broderip and Sowerby I 1832 iii Drymaeus alabastrinus da Costa, 1906 iv Bulinus (Naesiotus) albemarleensis Dall, 1917 v–vi Bulimus albicans Broderip in Broderip and Sowerby I 1832 vii Bulimus albicolor Morelet, 1863 viii Bulimus (Drymaeus) albolabiatus E.A. Smith, 1877 ix–x Bulimus albus Sowerby I, 1833.
Figure L4. Labels. i Bulimus altoperuvianus Reeve, 1849 ii Bulimus amandus Pfeiffer, 1855 iii Bulimus ambustus Reeve, 1849 iv Bulimus andicola Pfeiffer, 1847 v Bulimus andicus Morelet, 1863 vi Drymaeus angustus da Costa, 1906.
Figure L5. Labels. i Bulimus anthisanensis Pfeiffer, 1853 ii Bulimus antioquensis Pfeiffer, 1855 iii Bulimus apertus Pfeiffer in Dunker et al., 1855 iv Bulimus apicepunctata Preston, 1914 v Bulimus apiculatus J.E. Gray, 1834 vi Helix apodemeta d’Orbigny, 1835.
Figure L6. Labels. i Bulimus aquilus Reeve, 1848 ii Bulimus atacamensis Pfeiffer, 1856 iii Bulimus arcuatostriatus Pfeiffer, 1855 iv–v Bulimus atahualpa Dohrn, 1863 vi Bulimus attenuatus Pfeiffer, 1853 vii Bulimus aurifluus Pfeiffer 1857.
Figure L7. Labels. i Bulimus aureolus Guppy, 1866 ii Bulimus auris Pfeiffer, 1866 iii Bulinus badius Sowerby I, 1835 iv Bulimus balsanus Morelet, 1863 v Bulimus baranguillanus Pfeiffer 1853.
Figure L8. Labels. i Bulimus barbadensis Pfeiffer, 1853 ii Bulimulus (Drymaeus) baroni Fulton, 1897 iii Helix (Xenothauma) baroni Fulton, 1896 iv Otostomus bartletti H. Adams, 1867 v Drymaeus bellus da Costa, 1906.
Figure L9. Labels. i Bulinus bicolor Sowerby I, 1835 ii Bulimus binneayanus Pfeiffer, 1857 iii Bulimus bogotensis Pfeiffer, 1855 iv Bulimus bolivianus Pfeiffer, 1846 v Drymaeus boucardi da Costa, 1907 vi Bulimus bourcieri Pfeiffer, 1853 vii Bulimus (Drymaeus) broadwayi E.A. Smith, 1896.
Figure L10. Labels. i Bulimus (Drymaeus) buckleyi Sowerby III, 1895  ii Otostomus bugabensis Martens, 1893  iii Bulimus cacticola Reeve, 1849  iv Helix cactorum d’Orbigny, 1835  v Bulimus californicus Reeve, 1848  vi Bulimus caliginosus Reeve, 1849.
Figure L11. Labels. i Bulimus canaliculatus Pfeiffer, 1845 ii Drymaeus prestoni cancellata da Costa, 1906 iii Drymaeus castaneostrigatus da Costa, 1906 iv Bulimus castus Pfeiffer, 1847 v Bulimus catlowiae Pfeiffer, 1853 vi Bulimulus (Drymaeus) caucaensis da Costa, 1898 vii Bulimus ceratacme Pfeiffer, 1855.
Figure L12. Labels. i Bulimus cercicola Morelet, 1863 ii Bulimus chamaeleon Pfeiffer, 1855 iii Otostomus championi Martens, 1893 iv Bulimus chemnitzeoides Forbes, 1850 v Bulimus chimborasensis Reeve, 1848 vi Drymaeus chiriquiensis da Costa, 1901 vii Bulimus cinereus Reeve, 1849.
Figure L13. Labels. i Bulimus citronellus Angas, 1879 ii Bulimus clarus Pfeiffer, 1857 iii Bulimus clathratus Pfeiffer, 1858 iv Bulimus coagulatus Reeve, 1849 v Bulimus coarctatus Pfeiffer, 1845 vi Bulimus compactus Fulton, 1902.
Figure L14. Labels. i Bulimus confluent Pfeiffer, 1855 ii Bulimus confusus Reeve, 1848 iii Drymaeus conicus da Costa, 1907 iv Bulimus convexus Pfeiffer, 1855 v Helix cora d’Orbigny, 1835 vi Helix crepundia d’Orbigny, 1835.
Figure L15. Labels. i Bulinus conspersus Sowerby I, 1833 ii Bulimus cotopaxiensis Pfeiffer, 1853 iii Bulimus cretaceus Pfeiffer, 1855 iv Bulinus crichtoni Broderip, 1836 v Helix culminea d’Orbigny, 1835.
Figure L16. Labels. i Bulimulus (Naesiotus) curtus Reibisch, 1892 ii Bulimus cuticula Pfeiffer, 1855 iii Bulimus cuzcoensis Reeve, 1849 iv Bulimulus dacostae Sowerby III, 1892 v Bulimus darwini Pfeiffer, 1846 vi Bulimus decussatus Reeve, 1849.
Figure L17. Labels. i Bulimus delumbis Reeve, 1849 ii Bulimus dentritis Morelet, 1863 iii Bulimus demotus Reeve, 1850 iv Bulimus denickei J.E. Gray, 1852 v Bulimus depictus Reeve, 1849 vi Bulimus depstus Reeve, 1849 vii Bulimus derelictus Broderip in Broderip and Sowerby I 1832.
Figure L18. Labels. i Bulimus deshayesi Pfeiffer, 1845 ii Bulimus devians Dohrn, 1863 iii Bulinus discrepans Sowerby I, 1833 iv Bulimus dubius Pfeiffer, 1853 v Bulimus dombeyanus 'Férussac' Pfeiffer, 1846.
Figure L19. Labels. i Bulimulus (Drymaeus) dukiinfeldi Melvill, 1900 ii Bulimus dunkeri Pfeiffer in Philippi 1846 iii Bulimus (Peronaeus) durangoanus Martens, 1893 iv Bulimus dutaillyi Pfeiffer, 1857 v Bulimus dysoni Pfeiffer, 1846 vi Bulimus edwardsi Morelet, 1863.
Figure L20. Labels. i Bulimus effeminatus Reeve 1848 ii Bulimus electrum Reeve, 1848 iii Drymaeus elsteri da Costa, 1901 iv Bulimus emaciatus Morelet, 1863 v Bulimus erectus Reeve, 1849 vi Bulimus erosus Broderip in Broderip and Sowerby I 1832.
Figure L21. Labels. i Bulimus erubescens Pfeiffer, 1847 ii Bulinus eschariferus Sowerby I, 1833 iii Bulimus excoriatus Pfeiffer, 1855 iv Bulimus exornatus Reeve, 1849 v Drymaeus exoticus da Costa, 1901 vi Bulimus (Drymaeus) expatriatus Preston, 1909 vii Bulimus fallax Pfeiffer, 1853.
Figure L22. Labels. i Bulimus fabrefactus Reeve, 1848 ii Bulimus farrisi Pfeiffer, 1858 iii Bulimus felix Pfeiffer, 1862 iv Bulimus fenestratus Pfeiffer, 1846 v Bulimus ferrugineus Reeve, 1849 vi Bulimus feriatus Reeve, 1848.
Figure L23. Labels. i *Bulimus fidustus* Reeve, 1849 ii *Bulimus filaris* Pfeiffer, 1853 iii *Bulimus* (*Liostracus*) *flavidulus* E.A. Smith, 1877 iv *Bulimus flexilabris* Pfeiffer, 1853 v *Bulimus flexuosus* Pfeiffer, 1853.
Figure L24. Labels. i Bulimus floridanus Pfeiffer, 1857 ii Bulimus fontainii d’Orbigny, 1838 iii Bulimus fourmiersi d’Orbigny, 1837 iv Helix fusoides d’Orbigny, 1835 v Bulimus fucatus Reeve, 1849 vi Bulimus (Liostracus) fuscobasis E.A. Smith, 1877 vii Bulimus gabbi Angas, 1879 viii Bulimus galapaganus Pfeiffer, 1855.
Figure L25. Labels.  

i  *Bulimus gayi* Pfeiffer, 1857  

ii  *Bulimus gelidus* Reeve, 1849  

iii  *Bulimus (Mesembrinus) gealei* H. Adams, 1867  

iv  *Bulimus geometricus* Pfeiffer, 1846  

v  *Bulimus columbiensis* Pfeiffer, 1855 = *B. gratus* Pfeiffer, 1856  

vi  *Bulimus gueinzii* Pfeiffer, 1857  

vii  *Bulimus gruneri* Pfeiffer, 1846.
Figure L26. Labels. i *Bulinus guttatus* Broderip in Broderip and Sowerby I 1832 ii *Bulinus hachensis* Reeve, 1850 iii *Bulinus hamiltoni* Reeve, 1849 iv *Bulinus haplochrous* Pfeiffer, 1855 v *Helix holoica* d’Orbigny, 1835 vi *Bulimus (Drymaeus) hidalgoi* da Costa, 1898 vii *Bulimus hepatostomus* Pfeiffer, 1861 viii *Bulimus holostoma* Pfeiffer, 1846.
Figure L27. Labels. i Bulimus hondurasanus Pfeiffer, 1846 ii Bulimus huascensis Reeve, 1848 iii Bulimus humboldtii Reeve, 1849 iv Helix hygrohylaea d’Orbigny, 1835 v Otostomus emeus hypozonus Martens, 1893 vi Bulimus ignavus Reeve, 1849.
Figure L28. Labels. i Bulimus (?) illustris Rolle, 1905 ii Bulimus incarnatus Pfeiffer, 1855 iii Bulimus immaculatus C.B. Adams in Reeve 1850 iv Bulimus inclinatus Pfeiffer, 1862 v Drymaeus incognita da Costa, 1907.
Figure L29. Labels. i Bulimus incrassatus Pfeiffer, 1853 ii Bulimus (Drymaeus) interruptus Preston, 1909.
Figure L30. Labels. i Bulimus inglorius Reeve, 1848 ii Bulimulus (Drymaeus) inusitatus Fulton, 1900 iii Bulimus infundibulum Pfeiffer, 1853 iv Bulimus inutilis Reeve, 1850 v Bulimus iodostylus Pfeiffer, 1861 vi Bulimus irregularis Pfeiffer, 1848 vii Bulimulus istapensis Crosse & Fischer, 1873 viii Otostomus lilacinus jansoni Martens, 1893.
Figure L31. Labels. i Bulinus jacobi Sowerby I, 1833 ii Bulimus jonasi Pfeiffer in Philippi 1846 iii Bulimus josephus Angas, 1878 iv Bulimus juarezi Pfeiffer, 1866 v Bulimus jussiei Pfeiffer, 1846 vi Bulimus juvenilis Pfeiffer, 1855.
Figure L32. Labels. i Bulimus keppelli Pfeiffer, 1853 ii Bulimus lactifluus Pfeiffer, 1857 iii Bulimus knorri Pfeiffer in Philippi 1846 iv Bulimus koppeli Sowerby III, 1892 v Bulimus laetus Reeve, 1849.
Figure L33. Labels. i Bulimus (Otostomus) lamas Higgins, 1868 ii Bulimus (Drymaeus) binominis lascellianus E.A. Smith, 1895 iii Bulimulus latecolumellaris Preston, 1909 iv Bulimus latti Pfeiffer in Philippi 1846 v Bulimulus laxostylus Rolle, 1904 vi Bulimus lesueureanus Morelet, 1860.
Figure L34. Labels. i Helix lichnorum d’Orbigny, 1835 ii Helix limonoica d’Orbigny, 1835 iii Bulimus lilacinus Reeve, 1849 iv Helix linostoma d’Orbigny, 1835 v Bulimus limensis Reeve, 1849 vi Bulimus liquabilis Reeve, 1848 vii Helix lithoica d’Orbigny, 1835 viii Bulimus lirinus Morelet, 1851 ix Bulimus lividus Reeve, 1850.
Figure L35. Labels. i Bulimus lobbii Reeve, 1849 ii Helix lophoica d’Orbigny, 1835 iii Bulimus longinquus Morelet, 1863 iv Otostomus loxanus Higgins, 1872 v Bulimus loxensis Pfeiffer, 1846 vi Bulimus (Drymaeus) lucidus Da Costa, 1898 vii Bulimus luridus Pfeiffer, 1863 viii Bulimus lucidus Reeve, 1848.
Figure L36. Labels. i Bulimus lusorius Pfeiffer, 1855 ii Bulimulus (Naesiotus) lycodus Dall, 1917 iii Bulimulus (Drymaeus) malleatus da Costa, 1898 iv Bulimus manupictus Reeve, 1848 v Bulimus marcidus Pfeiffer, 1853 vi Helix marmarina d’Orbigny, 1835.
Figure L37. Labels. i Bulimus martinicensis Pfeiffer, 1846 ii Bulimus meleagris Pfeiffer, 1853 iii Bulimus mejillonensis Pfeiffer in Pfeiffer and Dunker, 1857 iv Bulimus meridanus Pfeiffer, 1846 v Bostryx metagyra Pilsbry & Olsson, 1949 vi Bulimus mollicellus Reeve, 1849 vii Bulimus monachus Pfeiffer, 1857 viii Bulimus (Bostryx) moniezi Dautzenberg, 1896 ix Bulimus montagnei d’Orbigny, 1837.
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Figure L38. Labels. i Bulimus monilifer Reeve, 1848 ii Bulimus montevidensis Pfeiffer, 1846 iii Bulimus montagnei d’Orbigny, 1837 iv Helix montivaga d’Orbigny, 1835 v Bulimus moricandi Pfeiffer, 1847.
Figure L39. Labels. i Otostomus moritinctus Martens, 1893 ii Bulimus moussoni Pfeiffer, 1853 iii Bulimus muliebris Reeve, 1849 iv Bulimulus (Drymaeus) mossi E.A. Smith, 1896 v Bulimus munsterii d’Orbigny, 1837 vi Drymaeus multispira da Costa 1904 vii Bulimus musivus Pfeiffer, 1855.
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Figure L40. Labels. 1 Bulimus murrinus Reeve, 1848 ii Bulimus myristicus Reeve, 1849 iii Bulimus (Otostomus) napo Angas, 1878 iv Bulimus nanus Reeve, 1849 v–vi Bulimus nigrofasciatus Pfeiffer in Philippi 1846 vii Bulimus nigrolimbatus Pfeiffer, 1853.
Figure L41. Labels. i *Bulimus nigropileatus* Reeve, 1849 ii *Bulimus nitelinus* Reeve, 1849 iii *Bulimus nitidus* Broderip in Broderip and Sowerby I 1832 iv *Helix nivalis* d’Orbigny, 1835 v *Drymaeus notabilis* da Costa, 1906 vi *Drymaeus notatus* da Costa, 1906 vii *Bulimus nubeculatus* Pfeiffer, 1853.
Figure L42. Labels. i Bulinus (Drymaeus) nubilus Preston, 1903 ii Bulimus nucinus Reeve, 1850 iii Bulimus nucula Pfeiffer, 1853 iv Bulinus nux Broderip, 1832 v Bulimus nystianus Pfeiffer, 1853 vi Drymaeus obliquistriatus da Costa, 1901 vii Bulinus (Drymaeus) ochrocheilus E.A. Smith, 1877 viii Bulimus ochraceus Morelet, 1863.
Figure L43. Labels. i Bulimus orbignyi Pfeiffer, 1846 ii Helix oreades d’Orbigny, 1835 iii Bulimus orophilus Morelet, 1860 iv Bulimus (Drymaeus) orthostoma E.A. Smith, 1877 v Bulimus pallens Reeve, 1849 vi Bulimus (Naesiotus) pallidus Reibisch, 1892.
Figure L44. Labels. i Bulinus panamensis Broderip in Broderip and Sowerby I 1832 ii Bulimus papillatus Morelet, 1860 iii Bulimus paposensis Pfeiffer, 1856 iv Bulimus patasensis Pfeiffer, 1858 v Bulimus patricius Reeve, 1849.
Figure L45. Labels. i Helix paziana d'Orbigny, 1835 ii Drymaeus expansus perenensis da Costa, 1901 iii Bulimus pergracilis Rolle, 1904 iv Bulimus perspectivus Pfeiffer, 1846 v Bulimus pervariabilis Pfeiffer, 1853 vi Bulimus pervius Pfeiffer, 1853 vii Bulimus petenensis Morelet, 1851.
Figure L46. Labels. i *Bulimus pessulatus* Reeve, 1848 ii *Bulimus petiti* Pfeiffer, 1846 iii *Bulimus philippii* Pfeiffer, 1842 iv *Bulimus (Naesiotus) ustulatus* var. *phlegonis* Dall & Ochsner, 1928 v *Bulimus phryne* Pfeiffer, 1863 vi *Bulimus pictus* Pfeiffer, 1855 vii *Bulimulus pilosus* Guppy, 1871 viii *Bulimus platystomus* Pfeiffer, 1858.
Figure L47. Labels. i Bulimulus (Drymaeus) plicatoliratus Da Costa, 1898  ii Bulimus pliculatus Pfeiffer, 1857  iii Helix poecila d’Orbigny, 1835.
Figure L48. Labels. i Helix polymorpha d’Orbigny, 1835 ii Drymaeus ponsonbyi da Costa, 1907 iii Bulimus praetextus Reeve, 1849 iv Drymaeus prestoni da Costa, 1906 v Bulimus primula Reeve, 1848 vi Bulinus pruinosis Sowerby I, 1833 vii Bulimus protractus Pfeiffer, 1855.
Figure L49. Labels. i *Bulinus proteus* Broderip in Broderip and Sowerby I 1832 ii *Drymaeus pseudofusoides* da Costa, 1906 iii *Bulinus puellaris* Reeve, 1850 iv *Bulimus psychostylus* Pfeiffer, 1858 v *Otostomus pulcherrimus* H. Adams, 1867.
Figure L50. Labels. i Drymaeus punctatus da Costa, 1907 ii Bulimus pupiformis Broderip in Broderip and Sowerby I 1832 iii Bulimus purpuratus Reeve, 1849 iv Bulinus pustulosus Broderip in Broderip and Sowerby I 1832 v Bulimus (Otostomus) quadrifasciatus Angas, 1878 vi Bulimus quitensis Pfeiffer, 1848.
Figure L51. Labels. i Bulimus (Scutalus) quechuarum Crawford, 1939 ii Bulimus radiatus Morelet, 1863 iii Bulimus ragdalei Pilsbry, 1890 iv Bulimus (Drymaeus) rausonis H. Adams, 1873 v Bulimus recedens Pfeiffer, 1864 vi Bulimus reconditus Reeve, 1849 vii Bulimus rectilinearis Pfeiffer, 1855 viii Drymaeus regularis Fulton, 1905.
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Figure L52. Labels. i Bulimus rhodolarynx Reeve, 1849 ii Bulimus rimatus Pfeiffer, 1847 iii Bulimus rivasii d’Orbigny, 1837 iv Helix rocayana d’Orbigny, 1835 v Bostryx (Bostryx) rodriguezae Weyrauch, 1967 vi Bulimus roscatus Reeve, 1848 vii Drymaeus rosenbergi da Costa, 1906 viii Bulimus rugiferus Sowerby I, 1833 ix Bulimus rusticellus Morelet, 1860 x Bulimus rubrifasciatus Reeve, 1848.
Figure L53. Labels. i Bulimus saccatus Pfeiffer, 1855 ii Bulimus (Leptomerus) sanctaeluciae E.A. Smith, 1889 iii Bulinus scabiosus Sowerby I, 1833 iv Bulimus scalaricosta Morelet, 1860 v Bulinus scalariformis Broderip in Broderip and Sowerby I 1832 vi Bulimus schiedeanus Pfeiffer, 1841.
Figure L54. Labels. i Bulimus schmidti Pfeiffer, 1854 ii Bulimus scitulus Reeve, 1849 iii Otostomus scitus H. Adams, 1867 iv Bulimulus (Drymaeus) selli Preston, 1909 v Bulimus serotinus Morelet, 1860 vi Bulimus serratus Pfeiffer, 1855.
Figure L55. Labels. i Bulimus signifer Pfeiffer, 1855 ii Bulimus simpliculus Pfeiffer, 1855 iii Bulimus sisalensis Morelet, 1849 iv Bulimulus (Drymaeus) smithii da Costa, 1898 v Bulimulus (Drymaeus) solidus Preston, 1907 vi Bulimus sowerbyi Pfeiffer, 1847.
Figure L56. Labels. i *Drymaeus spadiceus* da Costa, 1906 ii *Bulimus spectatus* Reeve, 1849 iii *Bulimus spiculatus* Morelet, 1860 iv *Helix sporadica* d’Orbigny, 1835 v *Bulimus stenacme* Pfeiffer, 1857.
Figure L57. Labels. i Bulinus strigatus Sowerby I, 1833 ii Bulimus studeri Pfeiffer, 1847 iii Bulimus subfasciatus Pfeiffer, 1853 iv Gonyostomus subhybridus da Costa, 1906 v Bulimus subinterruptus Pfeiffer, 1853 vi Bulimulus (Liostracus) subpellucidus E.A. Smith, 1877 vii Drymaeus subventricosus da Costa, 1901.
Figure L58. Labels. i *Bulimus sulcosus* Pfeiffer, 1841 ii *Bulimus sugillatus* Pfeiffer, 1857 iii *Drymaeus sykesi* da Costa, 1906 iv *Bulimus sulphureus* Pfeiffer, 1857.
Figure L59. Labels. i Bulimus swainsoni Pfeiffer, 1845 ii Bulimus tenuilabris Pfeiffer, 1866 iii Bulimus (Pleuropyrgus) terebra Reibisch, 1892.
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Figure L60. Labels. i Bulimus terebralis Pfeiffer, 1842 ii Helix thamnoica d’Orbigny, 1835 iii Helix toral-lyi d’Orbigny, 1835 iv Bulimus (Drymaeus) tigrinus da Costa, 1898 v Bulimus transparens Reeve, 1849 vi Helix trichoda d’Orbigny, 1835.
Figure L61. Labels. i Bulinus translucens Broderip in Broderip and Sowerby I 1832 ii Bulimus tricinctus Reeve, 1848 iii Otostomus trimarianus Martens, 1893 iv Bulimulus (Drymaeus) trinitarius E.A. Smith, 1896.
Figure L62. Labels. i Bulimus tristis Pfeiffer, 1855 ii Bulimus tropicalis Morelet, 1849 iii Bulimus tumidulus Pfeiffer, 1842 iv Helix tupacii d’Orbigny, 1835 v Helix turritella d’Orbigny, 1835 vi Bulimus turritus Broderip in Broderip and Sowerby I 1832.
Figure L63. Labels. i Bulimus umbilicaris Souleyet, 1842 ii Bulimus umbricatus Reeve, 1849 iii Bulinus unifasciatus Sowerby I, 1833 iv Bulinus ustulatus Sowerby I, 1833 v Bulimus varicosus Pfeiffer, 1853 vi Bulimus (Naesiotus) ventrosus Reibisch, 1892.
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Figure L64. Labels. i Bulimus verrucosus Pfeiffer, 1855 ii Bulimus veruculum Morelet, 1860 iii Bulinus versicolor Broderip in Broderip and Sowerby I 1832 iv Bulimus vesicalis Pfeiffer, 1853 v Bulimus vesperinus Pfeiffer, 1858 vi Bulimus vincentinus Pfeiffer, 1846 vii Drymaeus volus Fulton, 1907.
Figure L65. Labels. i Bulimus virginalis Pfeiffer, 1856 ii Bulimus virgultorum Morelet, 1863 iii Drymaeus wintlei Finch, 1929 iv Bulimus (Naesiotus) wolfi Reibisch, 1892 v Bulimus voithianus Pfeiffer, 1847.
Figure L66. Labels. i Bulimus woodwardi Pfeiffer, 1857 ii Bulimus zhorquinensis Angas, 1879 iii Helix xanthostoma d’Orbigny, 1835 iv Bulimus yungasensis d’Orbigny, 1837 v Bulimusulus (Drymaeus) ziczac da Costa, 1898 vi Helix zo[al]graphica d’Orbigny, 1835 vii Bulimus darwini Pfeiffer, 1846.
Figure L67. Labels. i Bulimus (Otostomus) rubrovariegatus Higgins, 1868 ii Bulimus coriaceus Pfeiffer, 1857 iii Bulimus sculpturatus Pfeiffer, 1846 iv Bulinus rugulosus Sowerby I 1833.
Acknowledgements

This research received support from the SYNTHESYS Project (http://www.synthesys.info) which is financed by European Community Research Infrastructure Action under the FP7 Integrating Activities Programme. For all their help during ASHB’s stay at the National History Museum, he is very much indebted to J. Pickering and K. Way of the Mollusca Section. A special word of thanks is due to staff of the NHMUK Photo Unit for handling the many requests for images (P. Crabb, P. Hurst, H. Taylor). D. Gordon (Newcastle-upon-Tyne) kindly supplied information on the Angas collection in his care and F.G. Thompson kindly confirmed the identification of Morelet’s subulinid taxon.

References

Adams H (1867a) List of the land and freshwater shells collected by Mr. E. Bartlett on the Upper Amazon and on the river Ucayali, Eastern Peru, with description of new species. Proceedings of the Zoological Society of London (1866): 440–447.
Adams H (1867b) Descriptions of new species of shells. Proceedings of the Zoological Society of London (1867): 307–309.
Adams H (1873) Descriptions of seventeen new species of land and marine shells. Proceedings of the Zoological Society of London (1873): 205–209.
Angas GF (1878a) Descriptions of seven new species of land-shells recently collected in Costa Rica by Mr. Adolphe Boucard. Proceedings of the Zoological Society of London (1878): 72–74.
Angas CF (1878b) Descriptions of nine new species of land and marine shells from various localities. Proceedings of the Zoological Society of London (1878): 311–314.
Angas GF (1879) On the terrestrial Mollusca collected in Costa Rica by the late Dr. W.M. Gabb, with descriptions of new species. Proceedings of the Zoological Society of London (1879): 475–486.
Baker HB (1963) Type land shells in the Academy of Natural Sciences of Philadelphia, II. Land Pulmonata, exclusive of North America north of Mexico. Proceedings of the Academy of Natural Sciences of Philadelphia 115: 191–259.
Barbosa AS, Delhey VK, Coan EG (2008) Molluscan names and malacological contributions by Wolfgang Karl Weyrauch (1907–1970) with a brief biography. Malacologia 50: 265–277. doi: 10.4002/0076-2997-50.1.265
Binney WG, Bland T (1869) Land and freshwater shells of North America. Part I. Pulmonata Geophila. Smithsonian Miscellaneous Collections 8 (194): i–xii, 1–316.
Breure ASH (1973) Index to the neotropical land Mollusca described by Alcide d’Orbigny, with notes on the localities of the mainland species. Basteria 37: 113–135.
Breure ASH (1974) Caribbean land molluscs: Bulimulidae, I. Bulimulus. Studies on the Fauna of Curaçao and Caribbean islands 45: 1–80.
Breure ASH (1975a) Caribbean land molluscs: Bulimulidae, II. Plekocheilus and Naesiotus. Studies on the Fauna of Curaçao and Caribbean islands 46: 71–93.
Breure ASH (1975b) Types of Bulimulidae (Mollusca, Gastropoda) in the Muséum national d’Histoire naturelle, Paris. Bulletin du Muséum national d’Histoire naturelle, 3e série 331, Zoologie 233: 1137–1188.

Breure ASH (1978) Notes on and descriptions of Bulimulidae (Mollusca, Gastropoda). Zoologische Verhandelingen Leiden 164: 1–255.

Breure ASH (1979) Systematics, phylogeny and zoogeography of Bulimulinæ (Mollusca). Zoologische Verhandelingen Leiden 168: 1–215.

Breure ASH (2008) Mysterious or confusing: enigmatic species in the Orthalicidae (Gastropoda, Pulmonata). Basteria 72: 241–252.

Breure ASH (2011) Annotated type catalogue of the Orthalicoidea (Mollusca, Gastropoda) in the Royal Belgian Institute of Sciences, Brussels, with descriptions of two new species. ZooKeys 101: 1–50. doi: 10.3897/zookeys.138.1847

Breure ASH (2012a) Weyrauch’s type localities: a clarification; with illustrations of types of Orthalicoidea (Mollusca, Gastropoda, Stylommatophora) in the Tucumán museum. Folia conchyliologica 17: 4–24.

Breure ASH (2012b) The status of the genus Bostryx Troschel, 1847, with description of a new subfamily (Mollusca, Gastropoda, Bulimulidae). ZooKeys 216: 1–3. doi: 10.3897/zookeys.216.3646

Breure ASH (2013) Annotated type catalogue of the Orthalicoidea (Mollusca, Gastropoda) in the Museum für Naturkunde, Berlin. ZooKeys 279: 1–101. doi: 10.3897/zookeys.279.4701

Breure ASH, Ablett JD (2011) Annotated type catalogue of the Amphibulimidae (Mollusca, Gastropoda, Orthalicoidea) in the Natural History Museum, London. ZooKeys 138: 1–52. doi: 10.3897/zookeys.138.1847

Breure ASH, Ablett JD (2012) Annotated type catalogue of the Bothriembryontidae and Odontostomidae (Mollusca, Gastropoda, Orthalicoidea) in the Natural History Museum, London. ZooKeys 182: 1–70. doi: 10.3897/zookeys.182.2720

Breure ASH, Borrero FJ (2008) An annotated checklist of the land snail family Orthalicidae (Gastropoda: Pulmonata: Orthalicoidea) in Ecuador, with notes on the distribution of the mainland species. Zootaxa 1768: 1–40.

Breure ASH, Coppois G (1978) Notes on the genus Naesiotus Albers, 1850 (Mollusca, Gastropoda, Bulimulidae). Netherlands Journal of Zoology 28: 161–192. doi: 10.1163/002829678X00035

Breure ASH, Eskens AAC (1981) Notes on and descriptions of Bulimulidae (Mollusca, Gastropoda), II. Zoologische Verhandelingen Leiden 186: 1–111.

Breure ASH, Romero PE (2012) Support and surprises: molecular phylogeny of the land snail superfamly Orthalicoidea using a three-locus gene analysis with divergence time analysis and ancestral area reconstruction. Archiv für Molluskenkunde 141: 1–20.

Breure ASH, Whisson CS (2012) Annotated type catalogue of Bothriembryon (Mollusca, Gastropoda, Orthalicoidea) in Australian museums, with a compilation of types in other museums. ZooKeys 195: 41–80. doi: 10.3897/zookeys.194.2721
Broderip W (1832) [New species of shells collected by Mr. Cuming on the western coast of South America and in the islands of the South Pacific Ocean]. Proceedings of the Zoological Society of London (1832): 124–126.
Broderip W (1836) Descriptions of some species of shells apparently not hitherto recorded. Proceedings of the Zoological Society of London (1836): 43–45.
Broderip W, Sowerby GB I (1832a) [Descriptions of new (...) Mollusca and Conchifera (...) part of the collection made by Mr. H. Cuming]. Proceedings of the Zoological Society of London (1832): 25–33.
Broderip W, Sowerby GB I (1832b) [The collection of shells formed by Mr. H. Cuming on the western coast of South America and the South Pacific Ocean]. Proceedings of the Zoological Society of London (1832): 104–108.
Clench WJ, Turner RD (1962) New names introduced by H.A. Pilsbry in the Mollusca and Crustacea. Special Publication Academy of Natural Sciences of Philadelphia 4: 1–218.
Coan EV, Kabat AR, Petit RE (2013a) 2,400 years of malacology. Annex 1: Collations of malacological significance: 1–89. Available at http://www.malacological.org/pdfs/2400collations.pdf [accessed 12 September 2013]
Coan EV, Kabat AR, Petit RE (2013b) 2,400 years of malacology. Annex 2: Collation of the Systematisches Conchylien-Cabinet (1837–1920): 1–66. Available at http://www.malacological.org/pdfs/2400collations(Kuster).pdf [accessed 12 September 2013]
da Costa SI (1898) Remarks on some species of Bulimulus, sect. Drymaeus, and descriptions of land shells from Bolivia, Ecuador and the U.S. of Colombia. Proceedings of the malacological Society of London 3: 80–84.
da Costa SI (1901) Descriptions of new species of land-shells from Central and South America. Proceedings of the malacological Society of London 4: 238–240.
da Costa SI (1904) Descriptions of new species of land-shells from Central and South America. Proceedings of the malacological Society of London 6: 5–6.
da Costa SI (1906a) Descriptions of new species of Drymaeus, Amphicyclotus, and Neocyclotus from South and Central America. Proceedings of the malacological Society of London 7: 7–10.
da Costa SI (1906b) Descriptions of new species of land shells from Peru and Colombia and two new species of Curvella from the Philippine Islands. Proceedings of the malacological Society of London 7: 97–99.
da Costa SI (1907) Descriptions of new species of Drymaeus from Peru, Mexico, etc. Proceedings of the malacological Society of London 7: 304–305.
Crawford GI (1939) Report on the terrestrial Mollusca collected by the Percy Sladen expedition to Lake Titicaca in 1937. Proceedings of the malacological Society of London 23: 318–332.
Crosse H, Fischer P (1873) Diagnoses bulimuli novi Guatemalae incolae. Journal de Conchyliologie (Paris) 21: 286–287.
Cuezzo MG, Miranda MJ, Ovando XMC (2013) Species catalogue of Orthalicoidea in Argentina (Gastropoda: Stylommatophora). Malacologia 56: 135–191. doi: 10.4002/040.056.0210
Dall WH (1917) Expedition of the California Academy of Sciences to the Galapagos Islands, 1905–1906. Proceedings of the California Academy of Sciences (4) 2: 375–382.
Dall WH, Ochsner WH (1928) Landshells of the Galapagos Islands. Proceedings of the California Academy of Sciences (4) 17: 141–185.
Dance SP (1966) Shell collecting: an illustrated history. University of California Press, Berkeley, 343 pp.
Dautzenberg P (1896) Description de deux espèces nouvelles de Bulimulus. Journal de Conchyliologie (Paris) 44: 222–225.
Dohrn H (1863) Beschreibung neuer peruanischer Landschnecken. Malakozoologische Blätter 10: 152–156.
Duchamps R (1999) Philippe Dautzenberg et son temps. Apex 14 (hors séries): 1–45.
Duclos PL (1833) [Description of Bulimus olorinus Duclos]. Magasin de Zoologie 3: cl. V pl. 24. Available at http://www.biodiversitylibrary.org/item/114093#page/173/mode/1up (text) and http://www.biodiversitylibrary.org/item/114093#page/443/mode/1up (plate).
Duncan FM (1937) On the dates of publication of the Society’s ‘Proceedings’ 1859–1926. With an Appendix establishing the dates of publication of the ‘Proceedings’ 1830–1858, compiled by the late F.H. Waterhouse, and of the ‘Transactions’ 1833–1869, by the late Henry Peavot, originally published in P.Z.S. 1893, 1913. Proceedings of the Zoological Society of London 107: 71–84.
Dunker W, Pfeiffer L, Philippi RA (1847) Diagnosen neuer Heliceen. Zeitschrift für Malakozoologie 4: 81–84.
Finch SG (1929) Description of Drymaeus wintlei, n.sp., from Ecuador. Journal of Conchology (London) 18: 275.
Fischer P, Crosse H (1870–1894) Études sur les mollusques terrestres et fluviatiles du Mexique et du Guatemala. In: Milne Edwards A (Ed) Mission scientifique au Mexique et dans l’Amérique Centrale, Recherches zoologiques pour servir a l’histoire de la fauna de l’Amérique Centrale et du Mexique, 7 (1). Imprimerie Impériale, Paris, 702 pp.
Forbes E (1850) On the species of Mollusca collected during the surveying voyages of the Herald and Pandora, by Captain Kellett and Lieut. Wood. Proceedings of the Zoological Society of London 1850: 53–56.
Fulton HC (1896) Descriptions of new species of Nanina, Helix, Amphidromus, and Porphyrobaphe. Annals and Magazine of Natural History (6) 18: 100–104. doi: 10.1080/00222939608680416
Fulton HC (1897) On supposed new species of Oleacina, Trochomorpha, and Bulimulus. Annals and Magazine of Natural History (6) 20: 212–214. doi: 10.1080/00222939708680614
Fulton HC (1900) A new species of Bulimulus from Costa Rica and a new Spiraculum from Assam. Nautilus 14: 87–88.
Fulton HC (1902) Descriptions of new Alyceus from Perak and a Bulimulus from Bolivia. Annals and Magazine of Natural History (7) 9: 68–69. doi: 10.1080/00222930208678542
Fulton HC (1905) Descriptions of new species of Papuina, Planospira (Cristigibba), Strophocheilus (Borus) and Drymaeus. Journal of Malacology 12: 22–25.
Fulton HC (1907) Descriptions of new species of Trochomorpha, Cochlostyla, Amphidromus, Bulimus, Drymaeus, Placostylus, Stenogyra, Leptopoma, Cycloborus, Cyclotus, and Alycaeus. Annals and Magazine of Natural History (7) 19: 149–157. doi: 10.1080/00222930709487245
Gould AA (1846) A collection of shells, sent from Tavoy, in Burmah, by the Rev. Mr. Mason. Proceedings of the Boston Society of Natural History 2: 98–100.

Gray JE (1834) [Various undescribed shells, chiefly contained in his own collection]. Proceedings of the Zoological Society of London (1834): 57–68.

Gray JE (1852) Description of a new species of Bulimus from Callao, collected by Erneste Denicke. Proceedings of the Zoological Society of London (1851): 92–93.

Gray JE (1854) List of the shells of South America in the collection of the British Museum; collected and described by M. Alcide d’Orbigny in the “Voyage dans l’Amérique Méridionale”. Trustees of the British Museum, London, 89 pp.

Guppy RJL (1866) On the terrestrial and fluviatile Mollusca of Trinidad. Annals and Magazine of Natural History (3) 17: 42–56.

Guppy RJL (1871) Notes on some new forms of terrestrial and fluviatile Mollusca found in Trinidad. American Journal of Conchology 6: 306–311.

Haas F (1955) On some small collections of inland shells from South America. Fieldiana, Zoology 34: 361–387.

Higgins ET (1868) Description of six new species of shells. Proceedings of the Zoological Society of London (1868): 178–180.

Higgins ET (1872) Descriptions of new species of shells collected by Mr. Clarence Buckley in Ecuador. Proceedings of the Zoological Society of London (1872): 685–687.

Hupé H (1857) Mollusques. In: Castelnau F de (Ed) Animaux nouveaux ou rares recueillis pendant l’expédition dans les parties centrales de l’Amérique du Sud, de Rio de Janeiro à Lima, et de Lima au Para; par ordre gouvernement Français pendant les années 1843 à 1847, Partie 7, tome 3, partie 3. Bertrand, Paris, 103 [+ 1] pp.

Kendrick GW, Wilson BR (1975) Nomenclatural notes on the land snail genus Bothriembryon Pilsbry, 1894 (Pulmonata: Bulimulidae), with redescriptions of the type and two other species. Records of the Western Australian Museum 3: 295–325.

Köhler F (2007) Annotated type catalogue of the Bulimulidae (Pulmonata, Orthalicoidea, Bulimulidae) in the Museum für Naturkunde Berlin. Mitteilungen Museum für Naturkunde Berlin, Zoologische Reihe 83: 125–159. doi: 10.1002/mmnz.200700004

Küster HC, Pfeiffer L (1840–1855 [1840–1865]) Die Gattungen Bulimus, Partula, Achatinella, Achatina und Azeca. Systematisches Conchylien-Cabinet von Martini und Chemnitz, I, 13 (1): i–xix, 1–395.

Linares EL, Vera ML (2012) Catálogo de los moluscos continentales de Colombia. Instituto de Ciencias Naturales, Universidad de Colombia, Bogota, 360 pp.

Loosjes FE, Loosjes-van Bemmel ACW (1984) On a collection of Peruvian Neniinae (Mollusca: Gastropoda: Clausiliidae), with a check-list and a provisional key to all the Peruvian species known. Zoologische Verhandelingen Leiden 212: 1–38.

Lubomirski L (1880) Notice sur quelques coquilles du Pérou. Proceedings of the Zoological Society of London (1879): 719–728.

Martens E von (1890–1901) Land and freshwater Mollusca. In: Godman FD, Salvin O (Eds) Biologia Centrali-Americana. R.H. Poter and Dulau & Co., London, i–xxviii, i–706.

Melvill JC (1900) Description of Bulimus dukinfieldi n.sp., from Paraná, Brazil. Proceedings of the malacological Society of London 4: 116.
Miller K (1878) Die Binnenmollusken von Ecuador. Malakozoologische Blätter 25: 153–199.
Miquel SE (1989a) Las especies vivientes del género Naesiotus Albers, 1850 (Gastropoda, Stylommatophora, Bulimulidae) en la República Argentina. Studies on Neotropical Fauna and Environment 24: 61–73. doi: 10.1080/01650528909360777
Miquel SE (1989b) El género Drymaeus Albers, 1850 (Gastropoda, Stylommatophora, Bulimulidae) en la República Argentina. Studies on Neotropical Fauna and Environment 24: 75–86. doi: 10.1080/01650528909360778
Miquel SE (1991) El género Bulimulus Leach, 1814 (Gastropoda, Stylommatophora, Bulimulidae) en la República Argentina. Studies on Neotropical Fauna and Environment 26: 93–112. doi: 10.1080/01650529109360839
Morelet A (1849) Testacea novissima insulae cubanae et Americae centralis, 1. Baillière, Paris, 31 pp. doi: 10.5962/bhl.title.11067
Morelet A (1851) Testacea novissima insulae cubanae et Americae centralis, 2. Baillière, Paris, 30 pp.
Morelet A (1860) Colimaceae in intimâ Peruvii regione a Cl. Angrand collecta. Journal de Conchyliologie Paris 8: 371–376.
Morelet A (1863) Séries conchyliologiques, comprenant l’énuneration de mollusques, terrestres et fluviales recueillis pendant le cours de différents voyages, ainsi que la description de plusieurs espèces nouvelles, III. Pérou. Klincksieck, Paris, 131–221.
Neubert E, Janssen R (2004) Die Typen und Typoide des Natur-Museums Senckenberg, 84: Mollusca: Gastropoda: Pulmonata: Orthalicoidea: Bulimulidae (2), Orthalicidae, Placostylidae. Archiv für Molluskenkunde 133: 193–297.
d’Orbigny A (1834–1847) Voyage dans l’Amérique méridionale (le Brésil, la république orientale de l’Uruguay, la république Argentine, la Patagonie, la république du Chili, la république de Bolivie, la république du Pérou), exécuté pendant les années 1826, 1827, 1828, 1829, 1830, 1831, 1832, et 1833. Tome 5, Partie 3, Mollusques. P. Bertrand, Paris/V. Levrault, Strasbourg, 758 pp.
d’Orbigny A (1835) Synopsis terrestrium et fluvialium molluscorum, in suo per Americam meridionalarem itinere. Magasin de Zoologie 5 (61): 1–44.
Petit RE (2009) George Brettingham Sowerby I, II & III: their conchological publications and molluscan taxa. Zootaxa 2189: 1–218.
Pfeiffer L (1841) Symbolae ad historiam heliceorum, 1. Th. Fischeri, Casselis, 88 pp.
Pfeiffer L (1842) Symbolae ad historiam heliceorum, 2. Th. Fischeri, Casselis, 147 pp. doi: 10.5962/bhl.title.11903
Pfeiffer L (1843) Some new species of Helicidae, collected by Mr. Bridges in the northern parts of Chile. Proceedings of the Zoological Society of London (1842): 186–188.
Pfeiffer L (1845a) Descriptions of twenty-two new species of land shells, belonging to the collection of Mr. H. Cuming. Proceedings of the Zoological Society of London (1845): 63–68.
Pfeiffer L (1845b) Descriptions of twenty-two new species of Helix, from the collections of Miss Saul, — Walton, Esq., and H. Cuming, Esq. Proceedings of the Zoological Society of London (1845): 71–75.
Pfeiffer L (1845d) Diagnosen neuer Helicen. Zeitschrift für Malakozoologie 2: 152–158.
Pfeiffer L (1846a) Description of thirty new species of Helicea belonging to the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1846): 28–34.
Pfeiffer L (1846b) Description of twenty new species of Helicea in the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1846): 37–43.
Pfeiffer L (1846c) Symbolae ad historiam heliceorum, 3. Th. Fischeri, Casselis, 100 pp.
Pfeiffer L (1847) Description of thirty-eight new species of land-shells, in the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1846): 109–116.
Pfeiffer L (1848a) Description of nineteen new species of land-shells, in the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1847): 229–232.
Pfeiffer L (1848b) Monographia heliceorum viventium: sistens descriptiones systematicas et criticas omnium huius familiae generum et specierum hodie cognitarum, 2. Brockhaus, Lipsiae, 594 pp.
Pfeiffer L (1852) Nothwendige Vertauschung einiger Namen. Zeitschrift für Malakozooologie 9: 62–64.
Pfeiffer L (1853a) Descriptions of new land shells from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1951): 147–150.
Pfeiffer L (1853b) Descriptions of fifty-four new species of Helicea from the collection of H. Cuming Esq. Proceedings of the Zoological Society of London (1851) 19: 252–263.
Pfeiffer L (1853c) Diagnosen neuer Heliceen. Zeitschrift für Malakozooologie 10: 51–60.
Pfeiffer L (1853d) Monographia heliceorum viventium: sistens descriptiones systematicas et criticas omnium huius familiae generum et specierum hodie cognitarum, 3. Brockhaus, Lipsiae, 711 pp.
Pfeiffer L (1854a) Descriptions of sixty-six new land shells, from the collection of Hugh Cuming Esq. Proceedings of the Zoological Society of London (1852): 56–70.
Pfeiffer L (1854b) Descriptions of fourteen new species of land shells, from the collection of Hugh Cuming Esq. Proceedings of the Zoological Society of London (1852): 135–138.
Pfeiffer L (1854c) Descriptions of nineteen new species of land shells, collected by M. Bourcier, Consul-General, Quito. Proceedings of the Zoological Society of London (1852): 151–156.
Pfeiffer L (1854d) Descriptions of eighteen new species of land shells, from the collection of H. Cuming Esq. Proceedings of the Zoological Society of London (1853): 156–160.
Pfeiffer L (1854e) Descriptions of twenty-three new species of land shells, from the collection of H. Cuming Esq. Proceedings of the Zoological Society of London (1853): 48–53.
Pfeiffer L (1854–1860) Novitates conchologicae 1, Mollusca extramarina. Fischer, Cassel, 138 pp.
Pfeiffer L (1855a) Descriptions of four new species of Bulimus from the collection of H. Cuming Esq. Proceedings of the Zoological Society of London (1854): 57–58.
Pfeiffer L (1855b) Descriptions of fifty-seven new species of Helicea, from Mr. Cuming’s collection. Proceedings of the Zoological Society of London (1854): 286–298.
Pfeiffer L (1855c) Descriptions of nine new species of land-shells, in the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1855): 7–9.
Pfeiffer L (1855d) Descriptions of forty-seven new species of Helicea, from the collection of H. Cuming Esq. Proceedings of the Zoological Society of London (1855): 91–101.
Pfeiffer L (1855e) Descriptions of nine new species of Helicea, from Mr. Cuming’s collection. Proceedings of the Zoological Society of London (1855): 106–108.
Pfeiffer L (1855f) Description of thirty-eight new species of land-shells, from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1855): 111–119.
Pfeiffer L (1855g) Descriptions of sixteen new species of Helicea, from the collection of H. Cuming Esq. Proceedings of the Zoological Society of London (1855): 122–126.
Pfeiffer L (1856a) Versuch einer Anordnung der Heliceen nach natürlichen Gruppen. Malakozoologische Blätter 2: 145–185.
Pfeiffer L (1856b) Diagnosen neuer Landschnecken. Malakozoologische Blätter 3: 43–52.
Pfeiffer L (1856c) Diagnosen neuer Landschnecken. Malakozoologische Blätter 3: 206–209.
Pfeiffer L (1857a) Diagnosen neuer Landschnecken. Malakozoologische Blätter 4: 155–158.
Pfeiffer L (1857b) Descriptions of twenty-seven new species of land-shells, collected by M. Sallé in the State of Vera Cruz, Mexico. Proceedings of the Zoological Society of London (1856): 318–324.
Pfeiffer L (1857c) Descriptions of fifty-eight new species of Helicea from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1856): 324–336.
Pfeiffer L (1857d) Description of thirty-three new species of land-shells, from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1856): 385–392.
Pfeiffer L (1857e) Diagnosen neuer Heliceen. Malakozoologische Blätter 4: 229–232.
Pfeiffer L (1858a) Descriptions of ten new species of Bulimus, from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1858): 256–258.
Pfeiffer L (1858b) Literatur. Malakozoologische Blätter 5: 156–171.
Pfeiffer L (1859a) Nachträge zum zweiten Supplemente meiner Monographia Heliceorum (Fortsetzung). Malakozoologische Blätter 6: 19–53.
Pfeiffer L (1859b) Monographia heliceorum viventium: sistens descriptiones systematicas et criticas omnium huius familiae generum et specierum hodie cognitarum, 4. Brockhaus, Lipsiae, 920 pp.
Pfeiffer L (1860–1866) Novitates conchologicae, series prima. Mollusca extramarina. Descriptions et figures de coquilles extramarines nouvelles ou peu connues 2: 139–303. Fischer, Cassel.
Pfeiffer L (1861) Description of fifty-seven new species of land-shells, from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1861): 20–29.
Pfeiffer L (1862) Description of sixteen new species of land-shells from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1861): 386–389.
Pfeiffer L (1863) Description of thirty-six new land shells from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1862): 268–278.
Pfeiffer L (1864) Description of fifteen new species of land-shells from the collection of H. Cuming, Esq. Proceedings of the Zoological Society of London (1863): 523–526.
Pfeiffer L (1866) Description of five new species of land-shells from the collection of the late Hugh Cuming. Proceedings of the Zoological Society of London (1865): 831–832.
Pfeiffer L (1866–1869) Novitates conchologicae, series prima. Mollusca extramarina. Descriptions et figures de coquilles extramarines nouvelles ou peu connues 3: 301–510. Fischer, Cassel.
Pfeiffer L (1868) Monographia heliceorum viventium: [supplementum tertium,] sistens descriptiones systematicas et criticas omnium huius familiae generum et specierum hodie cognitarum, [accidentibus descriptionibus novarum specierum,] 6. Brockhaus, Lipsiae, 598 pp.
Pfeiffer L (1872) Drie neue Landschenecken aus Surinam. Malakozoologische Blätter 19: 74–76.
Pfeiffer L, Dunker W (1857) Diagnosen neuer Heliceen. Malakozoologische Blätter 4: 229–232.
Philippi RA (1842–1845) Abbildungen und Beschreibungen neuer oder wenig gekannter Conchylien. 1. Fischer, Cassel, 204 pp.
Philippi RA (1845–1847) Abbildungen und Beschreibungen neuer oder wenig gekannter Conchylien. 2. Fischer, Cassel, 231 pp.
Pilsbry HA (1890a) A new American Bulimulus. The Nautilus 3: 122–123.
Pilsbry HA (1890b) On a new American Bulimulus. Proceedings of the Academy of Natural Sciences of Philadelphia 42: 63–64.
Pilsbry HA (1890c) New and little-known American mollusks, 3. Proceedings of the Academy of Natural Sciences of Philadelphia 42: 296–302.
Pilsbry HA (1895–1896) American bulimi and bulimuli. Strophocheilus, Plekocheilus, Auris, Bulimulus. Manual of Conchology (2) 10: i–iv, 1–213.
Pilsbry HA (1897–1898) American Bulimulidae: Bulimulus, Neopetraeus, Oxychona and South American Drymaeus. Manual of Conchology (2) 11: 1–399.
Pilsbry HA (1899) American Bulimulidae: North American and Antillean Drymaeus, Leiostracus, Orthalicinae and Amphibuliminae. Manual of Conchology (2) 12: 1–258.
Pilsbry HA (1901–1902) Oriental bulimoid Helicidae; Odontostominae; Cerionidae. Manual of Conchology (2) 14: 1–302.
Pilsbry HA (1902) Classification of Bulimulidae and index to volumes 10–14. Manual of Conchology (2) 14: i–xcix.

Preston HB (1907) Descriptions of new species of land and freshwater shells from Central and South America. Annals and Magazine of Natural History (7) 20: 490–498. doi: 10.1080/00222930709487375
Preston HB (1909) New land, freshwater and marine shells from South America. Annals and Magazine of Natural History (8) 3: 507–513. doi: 10.1080/00222930908692616
Preston HB (1914) New non-marine Mollusca from Peru and Argentina. Annals and Magazine of Natural History (8) 13: 522–528. doi: 10.1080/00222931408693519
Ramírez R (2004) Sistemática e filogeografía dos moluscos do ecossistema de ‘lomas’ do desierto da costa central do Peru. Unpublished PhD thesis: i–xxi, 1–165. PUCRS, Porto Alegre.
Ramírez R, Thomé J (2005) Scutalus coagulatus (Reeve) sensu Breure es Scutalus versicolor (Broderip) (Gastropoda, Bulimulidae). Abstracts VI Congreso Latino-Americano de Malacología, Pánama.
Reeve LA (1848–1850) Conchologica iconica or illustrations of the shells of molluscous animals, 5. Bulimus. Reeve, Benham and Reeve, London, i-ix, 89 pls. + legend.
Reeve LA (1850) Description of sixteen new species of Bulimus, in the collections of H. Cum- ing, Esq., discovered by Mr. William Lobb in the Andes of Peru. Proceedings of the Zoological Society of London (1849): 96–100.
Rehder HA (1945) The Chilean species of the molluscan genus Peronaeus (Bulimulidae). Revista chilena de Historia natural 48: 102–107.
Rehder HA (1966) The non-marine mollusks of Quintana Roo, Mexico with the description of a new species of Drymaeus (Pulmonata: Bulimulidae). Proceedings of the Biological Society of Washington 79: 273–296.
Reibisch P (1892) Die Conchyliologische Fauna der Galapagos-Inseln. Sitzungsberichte und Abhandlungen des naturwissenschaftlichen Gesellschaft Isis in Dresden (1892): 13–32.

Richardson CL (1995) Bulimulidae: catalog of species. Tryonia 28: i–iii, 1–458.

Rolle H (1904) Diagnosen neuer Arten. Nachrichtsblatt der deutschen malakozoologischen Gesellschaft 36: 35–39.

Rosenberg G, Muratov IV (2005) Recent terrestrial mollusks of Jamaica. Available at http://clade.ansp.org/malacology/collections/jamaica/landsnails.html [accessed 12 September 2012]

Salgado NC, Coelho ACS (2003) Moluscos terrestres do Brasil (gastrópodos operculados ou não, exclusive Veronicellidae, Milacidae e Limacidae). Revista de Biología Tropical 51, Supplement 3: 149–189.

Seemann B (1853) Narrative of the voyage of H.M.S. Herald during the years 1845–51, under the command of Captain Henry Kellett, R.N., C.B.; during a circumnavigation of the globe, and three cruises to the Arctic regions in search of Sir John Franklin. Reeve and Co., London, 2 vols.

Simone LRL (2006) Land and freshwater molluscs of Brazil. EGB/Fapesp, São Paulo, 390 pp.

Smith AG, Miller WB, Christensen CC (1990) Land Mollusca of Baja California, Mexico. Proceedings of the California Academy of Sciences 47: 95–158.

Smith EA (1877) Description of new species of South American Helicidae in the British Museum. Proceedings of the Zoological Society of London 1877: 361–365.

Smith EA (1889) On the Mollusca collected by Mr. G.A. Ramage in the Lesser Antilles, III. Annals and Magazine of Natural History (6) 3: 400–405. doi: 10.1080/00222938909460356

Smith EA (1895) Report on the land and freshwater shells collected by Mr. Herbert H. Smith at St. Vincent, Grenada, and other neighbouring islands. Proceedings of the malacological Society of London 1: 300–322.

Smith EA (1896) A list of the land and freshwater molluscs of Trinidad. Journal of Conchology London 8: 231–251.

Souleyet LFA (1842) Description de quelques coquilles terrestres appartenannnt aux genres Cyclostome, Hélicé, etc. Revue zoologique par la Société cuvierienne (1842): 101–102.

Souleyet LFA (1852) Voyage autour du monde exécuté pendant les années 1836 et 1837 sur la corvette ’La Bonité’ commandée par M. Vaillant, Captinaine de Vaisseau; Publié par ordre du Gouvernment sous les auspices du Département de la Marine. Zoologie, 2. Bertrand, Paris, 664 pp.

Sowerby GB I (1833) New species of shells collected by Mr. Cuming on the Western coast of South America and among the Islands of the South Pacific Ocean. They were accompanied by characters from the pen of Mr. G. B. Sowerby. Proceedings of the Zoological Society of London (1833): 34–38, 70–74.

Sowerby GB I (1835) [Three new species of the genus Bulimus]. Proceedings of the Zoological Society of London (1834): 141.

Sowerby GB I, Sowerby GB II (1832–1841) Conchological illustrations, or coloured figures of all the hitherto unfigured recent shells, Bulinus. Sowerby, London, [5]–8, 103 figs.

Sowerby GB III (1892) Descriptions of nine new species of shells. Proceedings of the Zoological Society of London (1892): 296–299.
Sowerby GB III (1895) Descriptions of nine new species of shells. Proceedings of the malacological Society of London 1: 214–217.

Stearns REC (1894) The shells of the Tres Marias and other localities along the shores of Lower California and the Gulf of California. Proceedings of the United States National Museum 17: 139–204. doi: 10.5479/si.00963801.996.139

Strebel H, Pfeffer G (1882) Beitrag zur Kenntniss der Fauna mexikanischer Land- und Süßwasser-Conchylien, unter Berücksichtigung die Fauna angrenzender Gebiete, V. Herbst, Hamburg, 144 pp.

Stuardo J, Vega R (1985) Synopsis of the land Mollusca of Chile, with remarks on distribution. Studies on Neotropical Fauna and Environment 20: 125–146. doi: 10.1080/01650528509360682

Thompson FG (2011) An annotated checklist and bibliography of the land and freshwater snails of Mexico and Central America. Bulletin Florida Museum of Natural History 50: 1–299.

Tryon GW (1867) Monograph of the terrestrial Mollusca of the United States. American Journal of Conchology 3: 155–181.

Vernhout JH (1914) The non-marine molluscs of Surinam. Notes Leyden Museum 36: 1–46.

Weyrauch WK (1958) Neue Landschnecken und neue Synonyme aus Südamerika, 1. Archiv für Molluskenkunde 87: 91–139.

Weyrauch WK (1960a) Zwanzig neue Landschnecken aus Peru. Archiv für Molluskenkunde 89: 23–48.

Weyrauch WK (1960b) Siebzehn neue Landschnecken aus Peru. Archiv für Molluskenkunde 89: 117–132.

Weyrauch WK (1967a) Treinta y ocho nuevos gastrópodos terrestres de Perú. Acta Zoologica Lilloana 21: 343–455.

Weyrauch WK (1967b) Descripciones y notes sobre gastropodos terrestres de Venezuela, Colombia, Ecuador, Brasil y Peru. Acta Zoologica Lilloana 21: 457–499.