

**Notes on taxonomy and nomenclature of Pectinoidea (Mollusca:  
Bivalvia: Propeamussiidae, Pectinidae)  
3. Nomina nova<sup>1</sup>**

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Taxonomic and nomenclatural notes of several Recent species group names are presented. Six nomina nova, viz. *Cyclopecten martensi* nom. nov., *Bracteclamys georgei* nom. nov., *Laeviclamys brettinghami* nom. nov., *Pecten stillmani* nom. nov., *Aequipecten nicklesi* nom. nov., and *Excelliclamys sowerbyi* nom. nov. are herein proposed.

Key words: Bivalvia, Pectinoidea, Propeamussiidae, Pectinidae, taxonomy, nomenclature.

This paper deals with nomina nova for preoccupied names of Recent species of Pectinoidea, belonging to the families Pectinidae and Propeamussiidae (see also Dijkstra, 1995). Six nomina nova are herein proposed.

In the literature many nominal taxa are preoccupied. Nomina nova were introduced by Dall, Finlay, Grau, Gregorio, Hertlein, and others (see table 1). Most of the junior homonyms are not in need of a new replacement name, due to their current status (junior synonyms) (table 1). The current taxonomic status is given with literature references. Nomenclatural notes are reproduced in 'Notes'. For information on the concept 'nomen novum', see the International Code of Zoological Nomenclature [Ride et al., 1985: Articles 12b (3), 13(a)(iii), 60, 67h, and Appendix E15, E21].

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Propeamussiidae Abbott, 1954

***Cyclopecten martensi* nom. nov.**

*Pecten clathratus* von Eichwald, 1830: 212. Fossil, Litva.

*Pecten clathratus* Römer, 1836: 212. Jurassic, Germany.

*Pecten clathratus* M'Coy, 1844: 90. Carboniferous, Ireland.

*Pecten clathratus* von Martens, 1881: 79. Recent, S Indian Ocean.

<sup>1</sup> 2: Basteria 60: 41-44, 1996.

Von Eichwald (1830) described a new fossil species, *Pecten clathratus*, from Lithuania (Litva). Römer (1836) used an identical species name for a fossil species from Germany, as M'Coy (1844) did for a fossil species from Ireland. Von Martens (1881) described a recent species, *Pecten clathratus*, from the southern Indian Ocean (near Kerguelen Island). However, he overlooked the species names used by Eichwald (1830), Römer (1836), and M'Coy (1844). Subsequently Smith (1885: 305, pl. 22 fig. 4) and Küster & Kobelt (1888: 154, pl. 43 figs. 6-7) repeated Martens' description.

Therefore a nomen novum is introduced here and dedicated to the previous author Eduard Carl von Martens (1831-1904).

#### Pectinidae Wilkes, 1810

#### **Bractechlamys georgei** nom. nov.

*Pecten distans* Lamarck, 1819: 169. Recent, Mediterranean Sea.

*Pecten distans* Lamarck, 1819 (sensu G. B. Sowerby 2nd., 1842: 61, pl. 13 fig. 46, pl. 18 fig. 182) (non Lamarck). Recent, Philippines.

*Pecten distans* Lamarck, 1819 (sensu Reeve, 1853: species 49, pl. 13 fig. 49) (non Lamarck). Recent, Philippines.

*Pecten janus* Münster in Goldfuss, 1833: 62. Oligocene, N Germany.

*Pecten janus* [Montrouzier MS] Fischer, 1858: 340-341. Nomen novum for *Pecten distans* Lamarck (sensu Reeve, 1853).

Lamarck (1819) described *Pecten distans*, a recent species from the Mediterranean Sea, which is a subjective junior synonym of *Ostrea glabra* Linnaeus, 1758 (Dijkstra, 1994: 481, figs. 60-64). G.B. Sowerby 2nd. (1842) used the name *Pecten distans* for another recent species, from the Philippines, and referring to Lamarck (1819: 169). Subsequently, Reeve (1853) also described *Pecten distans* from the Philippines and referred to Lamarck's second edition by Deshayes (1836: 139), but did not refer to Sowerby's species.

Fischer (1858) introduced a nomen novum, *Pecten janus*, for *Pecten distans* sensu Reeve, overlooking Sowerby's species. *Pecten janus* was preoccupied by Münster in Goldfuss (1833), but a new name for *P. distans* sensu Reeve is not necessary. A nomen novum is herein proposed for *Pecten distans* G.B. Sowerby 2nd., 1842 (non Lamarck, 1819) honouring George Brettingham Sowerby 2nd. (1812-1884).

#### **Laevichlamys bretteinghami** nom. nov.

*Pectinites irregularis* von Schlotheim, 1813: 112. Fossil, Germany.

*Pecten irregularis* G. B. Sowerby 2nd., 1842: 69, pl. 13 figs. 51, 52. Recent, Indo-West and Southwest Pacific.

*Pecten irregularis* M'Coy, 1844: 95, pl. 15 fig. 8. Carboniferous, Ireland.

*Pecten irregularis* Blankenhorn, 1934: 187, fig. 19. Cretaceous, Syria [= *Pecten phoeniciensis* Hertlein, 1936: 56. Nomen novum].

Von Schlotheim (1813) introduced *Pectinites irregularis*. Hertlein (1969: N366) and Vokes (1980: 56) made clear that *Pectinites* von Schlotheim, 1813 (non Gesner, 1758, nec Gmelin, 1791) is an invalid emendation (ICZN, 1985: 41, Article 20) for *Pecten* Müller, 1776.

Sowerby (1842) described *Pecten irregularis*, a recent species from the western and southwestern Indo-Pacific.

Hertlein (1936: 56) introduced *Pecten phoeniciensis*, a nomen novum for *Pecten irregularis* Blanckenhorn, 1934 (non Sowerby, 1842, nec M'Coy, 1844). Therefore *Pecten irregularis* Sowerby is replaced here by a nomen novum after George Brettingham Sowerby 2nd. (1812-1884).

***Pecten stillmani* nom. nov.**

*Pecten lunaris* Römer, 1839: 26. Fossil, N Germany.

*Pecten lunaris* Berry, 1963: 139, fig. Recent, Mexico, E Pacific [= *Pecten (Flabellipecten) berryi* Bernard, 1983 26, 28. Nomen novum].

*Pecten berryi* Stephenson, 1923: 193-207. Cretaceous, N Carolina, U.S.A.

Bernard (1983: 26, 28) introduced *Pecten (Flabellipecten) berryi*, for the preoccupied *Pecten lunaris* Berry, 1963 (non Römer, 1839). However, he overlooked *Pecten berryi* Stephenson, 1923, a fossil of North Carolina (U.S.A.).

*Pecten stillmani* is here proposed as nomen novum for *Pecten (Flabellipecten) berryi* Bernard, 1983, after the previous author Samuel Stillman Berry (1887-1984).

***Aequipecten nicklesi* nom. nov.**

*Pecten minutus* Bosc, 1802: 260. Recent, Indo-West Pacific.

*Pecten minutus* Nicklès, 1955: 135-136, figs. 17A-B. Recent, tropical western Africa.

Nicklès (1955) described *Pecten minutus* from tropical western Africa. However, he apparently had overlooked *Pecten minutus* Bosc, 1802. Therefore a nomen novum is here introduced in honour of the previous author Maurice Nicklès.

***Excellichlamys sowerbyi* nom. nov.**

*Pecten parvus* Da Costa, 1778: 153. Recent, Cornwall, England.

*Pecten parvus* G. B. Sowerby 1st., 1835: 110. Recent, Marutea, Tuamotu Archipel, French Polynesia, Pacific.

G. B. Sowerby 1st. (1835) described *Pecten parvus*, from 'Lord Hood's Island, (Marutea, Tuamotu Archipel, French Polynesia), but overlooked *Pecten parvus* Da Costa, 1778. Also Reeve (1853: species 133, pl. 29 fig. 133) and Küster & Kobelt (1888: 168, pl. 46 fig. 7) ignored Da Costa's species. Waller (1972: 246, 248) treated *Pecten parvus* Sowerby as a senior synonym of *Excellichlamys spectabilis* (Reeve, 1853) and reported on the homonymy. However, he explained that *P. parvus* could be a subspecies or a geographic morph and decided not to introduce a nomen novum, due to the lack of comparative specimens from the eastern central Pacific. Different morphological characters of *E. spectabilis* from the Indo-West Pacific and *P. parvus* Sowerby from French Polynesia (Waller, 1972: 248; Dijkstra, 1989: 14-15) justify a nomen novum.

*Excellichlamys sowerbyi* is named after George Brettingham Sowerby 1st. (1788-1854).

Notes on table 1

1. Arnold (1906: 82, pl. 26 figs. 5, 5a, 6, 7, 8, 8a) and Dall (1919: 19a, pl. 2 figs. 7, 8) introduced identical epithets in different genera, *Pecten (Plagiectenium) andersoni* and *Pseudamysium* [sic] *andersoni* (see table 1). Both nominal taxa are subjective junior syn-

onyms of *Similipecten greenlandicus* (G.B. Sowerby 2nd., 1842) (Grau, 1959: 54; Schein, 1989: 97). Therefore a nomen novum for *P. andersoni* Dall, *Pecten binominatus* Hanna, 1924, is not necessary.

2. Chenu [(1843: 3-4; 1845: pl. 7 figs. 4-5 (June)] (Sherborn & Smith, 1911) noticed that Sowerby's name, *Pecten asper*, was preoccupied by Lamarck (1819: 180) and introduced a nomen novum *Pecten rubicundus*. Subsequently, Hinds [1845: 61 (January)] also observed Sowerby's preoccupied name and also introduced a nomen novum, *Pecten passerinus*. This second new replacement name is an objective junior synonym of *Pecten rubicundus* Chenu, 1843.

3. G.B. Sowerby 2nd. (1842: 51, pl. 19 figs. 198-199) mentioned in his description of *Pecten aspersus* G.B. Sowerby 1st., 1835, that this species should be distinguished from *Pecten aspersus* Lamarck, 1819 (Dijkstra, 1994: 476, figs 32-36), without proposing a new name. D'Orbigny (1847) reported a nomen novum, *Pecten tumbezensis*, for Sowerby's preoccupied species name. Reeve (1852: species 4, pl. 1 fig. 4) also introduced a nomen novum, *Pecten sowerbyi*, for *Pecten aspersus* Sowerby. Therefore *Pecten sowerbyi* Reeve, 1852 is an objective junior synonym of *Pecten tumbezensis* d'Orbigny, 1847 (Hertlein, 1935: 314-316; Grau, 1959: 118-120).

4. For nomina nova and synonyms see Hertlein (1935: 305-306), Grau (1959: 81-83), and Waloszek (1984: 218-220).

5. *Chlamys benedicti* Verrill & Bush in Verrill, 1897, is neither a primary nor a secondary homonym of *Pecten benedicti* Lamarck, 1819. Therefore the new replacement name *Chlamys verrilli* Dollfus, 1898, is invalid (Waller, 1993: 230).

6. For synonyms and nomina nova see Grau (1959: 125), and Waloszek (1984: 229-232). Waller (1972: 252) established that *Pecten natans* Philippi, 1845, a senior synonym of *Pecten jeffreysi* Gregorio, 1884, should not be placed in *Juxtamusium*, as Grau (1959: 125) did. Waloszek (1984: 229) used a senior synonym, *Chlamys vitrea* (King & Broderip in King, 1832), for *Pecten corneus* G. B. Sowerby 2nd., 1842, indicating that *Ostrea vitrea* Gmelin, 1791, is currently placed in *Delectopecten*. However, Waloszek overlooked *Pecten vitreus* of Bosc (1802: 268), of Gray (1824: 245), of DeFrance (1825: 249), and of Risso (1826: 303). Currently the present species is under taxonomic study.

7. For nomen novum and references see Grau (1959: 122, pl. 41 figs. 1-2), and Waller (1972: 243, 245, figs. 76-79, 81, 82). *Pecten vexillum* Reeve, 1853, is a subjective junior synonym of *Bractechlamys georgei* nom. nov.

8. *Chlamys fenestrata* Hedley, 1901, is neither a primary nor a secondary homonym of *Pecten fenestratus* Forbes, 1844. Currently *Chlamys fenestrata* Hedley is placed in *Mesopeplum* (Lamprell & Whitehead, 1992: [30], pl. 13 fig. 78) and *Pecten fenestratus* Forbes in *Parvamusium* (Schein, 1989: 87). Therefore the nomen novum *Chlamys hedleyi* Dautzenberg, 1902 is invalid (see also Iredale, 1924: 194).

9. Melvill in Melvill & Standen (1907: 807, pl. 55 fig. 7) described a Recent Propaeamussidae species, *Amusium formosum*, from the Persian Gulf.

Habe (1964: 4, pl. 2 figs. 7-8) described a new Pectinidae subspecies, *Amusium japonicum formosum*, from Taiwan. Dijkstra (1988: 4) introduced a nomen novum, *Amusium japonicum taiwanense*, for *Amusium japonicum formosum* Habe. A second nomen novum was introduced by Habe (1992: 235), *Amusium japonicum taiwanicum*, which is an objective junior synonym of *Amusium japonicum taiwanense* Dijkstra, 1988.

10. For nomenclatural notes and synonymy on *Crassadoma gigantea* (Gray, 1825), see Roth & Coan (1978: 297) and Grau (1959: 134-136).

11. Kuroda (1932: 91) introduced a nomen novum, *Chlamys farreri nipponensis*, for *Pecten laetus* Gould, 1861 (non Gould, 1851). *Chlamys nantiensis* Bernard, Cai & Morton (1993:

48) is a secondary nomen novum for *Pecten laetus* Gould, 1861, and therefore an objective junior synonym of *C. farreri nipponensis* Kuroda.

12. *Pleuronectia lucida* Jeffreys in Wyville Thomson, 1873, is not a primary or secondary homonym of *Pecten lucidus* of Goldfuss (1835: 69, 70, pl. 97 fig. 11). The former species is currently placed in *Parvamussium* (Schein, 1989: 88); the latter is an Oligocene *Hilberia*. *Pecten lucidus* Goldfuss is a subjective junior synonym of *Pecten (Hilberia) bifidus* Münster in Goldfuss, 1835 (Janssen, 1979: 57-58). Therefore Gregorio's new replacement name, *Amussium editae*, is invalid.

13. Bernard (1983: 26, 68) introduced a nomen novum, *Pecten berryi*, for *Pecten lunaris* Berry, 1963. The latter name was preoccupied by Römer (1839: 26). However, he overlooked *Pecten berryi* Stephenson, 1923. Therefore a new replacement name is here proposed.

14. Waller (1991: 73) already mentioned the homonymy of *Pecten meridionalis* Tate, 1887, and *Pecten meridionalis* von Eichwald, 1865, but did not introduce a nomen novum, due to its uncertain status. For synonymy of *P. fumatus* see Dijkstra & Marshall (1997: 91, 93).

15. *Pecten obliquatus* Conrad in Jay, 1852, and *Pecten obliquatus* Jeffreys, 1880, are nomina nuda. Locard (1898: 402, pl. 15 figs. 24-26) introduced *Pecten parvulinus* as a nomen novum for Jeffreys' species. He properly described and figured his 'nomen novum', which should be treated as a new species.

16. Gregorio (1898: 52) proposed a nomen novum, *Pecten trubinus*, for *Pecten similis* G. B. Sowerby 2nd, 1842 (non Laskey, 1811, nec J. de C. Sowerby, 1818). Unfortunately *P. similis* Sowerby is a nomen dubium, caused by a poor description, uncertain locality, and untraceable holotype.

17. G. B. Sowerby 2nd, 1842, introduced a nomen novum, *Pecten ventricosus*, for *Pecten tumidus* G. B. Sowerby 1st., 1835 (non Turton, 1822, nec von Zieten, 1830). D'Orbigny (1847: 663) also introduced a nomen novum, *Pecten inca*, for *P. tumidus* Sowerby. This second new replacement name is an objective junior synonym of *P. ventricosus* Sowerby.

Table 1. Nomina nova of Recent Pectinoidea and their current taxonomic position.

Species	Senior homonyms	Nomina nova	Current taxonomic position	References
<i>Pecten aculeatus</i> Jeffreys, 1839	<i>Pecten aculeatus</i> Bosc, 1802	-	<i>Pallidulum striatum</i> (Müller, 1776)	Sabelli et al. (1990:290)
<i>Pecten hercicus</i> var. <i>albidus</i> Arnold, 1906	<i>Pecten maximus</i> var. <i>albidus</i> Daniel, 1883	-	<i>Chlamys albida</i> (Arnold, 1906)	Bernard (1983:24)
<i>Pecten fumatus</i> var. <i>albus</i> Tate, 1887	<i>Pecten varius</i> var. <i>albus</i> Scacchi, 1836	-	<i>Pecten fumatus</i> Reeve, 1852	Dijkstra & Marshall (1997:91)
<i>Pseudamysium andersoni</i> <sup>1</sup> Dall, 1919	<i>Pecten andersoni</i> Arnold, 1906	<i>Pecten binominatus</i> Hanna, 1924	<i>Similipecten greenlandicus</i> (Sowerby, 1842)	Schein (1989:97)
<i>Pecten antisoflearus</i> Locard, 1888	<i>Pecten antisoflearus</i> Buvignier, 1843	-	<i>Flexopecten glaber</i> (Linnaeus, 1758)	Sabelli et al. (1990:293)
<i>Pecten asper</i> Sowerby, 1842 <sup>2</sup>	<i>Pecten asper</i> Lamarck, 1819	<i>Pecten rubicandus</i> Chenu, 1843	<i>Serranoidia rubicanda</i> (Chenu, 1843)	Arkel (1954:367-374)
<i>Pecten asperus</i> Sowerby, 1835 <sup>3</sup>	<i>Pecten asperus</i> Lamarck, 1819	<i>Pecten passerinus</i> Hinds, 1845	<i>Lophopecten lumbosensis</i> (Orbigny, 1846)	Bernard (1983:25)
<i>Pecten aurantiacus</i> Adams & Reeve, 1850	<i>Pecten aurantiacus</i> Sowerby, 1820	<i>Pecten tumbezensis</i> Orbigny, 1846	<i>Anguipecten picturatus</i> Dijkstra, 1995	Dijkstra (1995:17)
<i>Pecten incomparabilis</i> var. <i>aurantiacus</i> Locard, 1888	<i>Pecten aurantiacus</i> Sowerby, 1820	<i>Pecten sowerbyi</i> Reeve, 1852	<i>Pallidulum incomparabile</i> (Risso, 1826)	Sabelli et al. (1990:291)
<i>Pecten multistriatus</i> var. <i>aurantiacus</i> Locard, 1888	<i>Pecten aurantiacus</i> Sowerby, 1820	-	<i>Crassadoma multistriata</i> (Poli, 1795)	Waller (1993:212)
<i>Pecten varius</i> var. <i>aurantiacus</i> Clément, 1875	<i>Chlamys aurantiaca</i> Röding, 1798	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Waller (1991:31)
<i>Pecten australis</i> Philippi, 1845 <sup>4</sup>	<i>Pecten australis</i> Sowerby, 1842	<i>Pecten amandii</i> Hertlein, 1935	<i>Zygoclamys patagonica</i> (King & Broderip, 1832)	Waller (1991:28)
<i>Chlamys benedicti</i> Verrill & Bush, 1897 <sup>5</sup>	<i>Pecten rosaceus</i> Stimpell, 1899	<i>Chlamys verrilli</i> Dollfus, 1898	<i>Spathopecten benedicti</i> (Verrill & Bush, 1897)	Waller (1993:230)
<i>Pecten bifidus</i> Menke, 1843	<i>Pecten bifidus</i> Münster in Goldfuss, 1819	-	<i>Pecten fumatus</i> Reeve, 1852	Dijkstra & Marshall (1997:91)
<i>Pecten flexuosus</i> var. <i>bifidus</i> Locard, 1888	<i>Pecten bifidus</i> Münster in Goldfuss, 1836	-	<i>Flexopecten flexuosus</i> (Poli, 1795)	Sabelli et al. (1990:293)
<i>Pecten jacobaeus</i> var. <i>brunneus</i> Locard, 1888	<i>Pecten brunneus</i> Stimpson, 1851	-	<i>Pecten jacobaeus</i> (Linnaeus, 1758)	Sabelli et al. (1990:288)
<i>Pecten gibbus</i> carolinensis	<i>Pecten carolinensis</i> Conrad, 1875	<i>Pecten gibbus portusregii</i> Grau, 1952	<i>Argopecten gibbus</i> (Linnaeus, 1758)	Abbott (1974:448)
<i>Pecten clathratus</i> Martens, 1881	<i>Pecten clathratus</i> Eichwald, 1830	<i>Cyclopecten martensii</i> nom. nov.	-	-
<i>Pecten comatus</i> Valenciennes, 1846	<i>Pecten comatus</i> Münster in Goldfuss, 1833	-	<i>Crassadoma gigantea</i> (Gray, 1825)	Grau (1959:84, 135)
<i>Pecten concinnus</i> Reeve, 1853	<i>Pecten concinnus</i> Koch & Dunker, 1837	-	<i>Glanipallium maculatum</i> (Forskål, 1775)	Dijkstra & Knudsen (in press)

<i>Pecten cornuus</i> Sowerby, 1842 <sup>a</sup>	<i>Pecten jeffreysi</i> Gregorio, 1884	' <i>Pecten</i> ' <i>notans</i> Philippi, 1845	Grau (1959:125), Waller (1972:252)
<i>Pecten (Amusium) cristatus</i> Bavay, 1905	<i>Amusium cristatellum</i> Dautzenberg & Bavay, 1912	<i>Poroamussium cristatellum</i> (Dautzenberg & Bavay, 1912)	Dijkstra (1991:13)
<i>Pecten dentatus</i> Sowerby, 1827	<i>Pecten cataractae</i> Dall, 1914	<i>Euola vogdesi</i> (Arnold, 1906)	Grau (1959:150), Coan & Scott (1997:8)
<i>Pecten denticulatus</i> Adams & Reeve, 1850	<i>Chlamys odonata</i> Cox, 1927	<i>Chlamys hastata</i> (Sowerby, 1842)	Grau (1959:85)
<i>Pecten inflexus</i> var. <i>depressus</i> Locard, 1886	-	<i>Pseudamussium clavatum</i> (Poli, 1795)	Sabelli et al. (1990:290)
<i>Pecten dilatatus</i> Hinds, 1845 <sup>7</sup>	<i>Pecten zetekii</i> Hertlein, 1935	<i>Bractechlamys georgi</i> nom. nov.	
<i>Pecten distans</i> Sowerby, 1842	<i>Bractechlamys georgi</i> nom. nov.		
<i>Pecten distans</i> Reeve, 1853	<i>Pecten janus</i> [Montrouzier MS] Fischer, 1858	<i>Bractechlamys georgi</i> nom. nov.	Fischer (1858:340)
<i>Pecten flexuosus</i> var. <i>duplicatus</i> Locard, 1888	-	<i>Flzopecten flexuosus</i> (Poli, 175)	Sabelli et al. (1990:293)
<i>Pecten opercularis</i> var. <i>elongatus</i> Jeffreys, 1863	-	<i>Aequipecten opercularis</i> (Linnaeus, 1758)	Sabelli et al. (1990:289)
<i>Pecten vitreus</i> var. <i>elongatus</i> Locard, 1886	-	<i>Delicopecten vitreus</i> (Gmelin, 1791)	Sabelli et al. (1990:291)
<i>Pecten multistriatus</i> var. <i>elongatus</i> Locard, 1888	-	<i>Crassadoma multistriata</i> (Poli, 1795)	Waller (1993:212)
<i>Pecten excavatus</i> Valenciennes, 1846	-	<i>Euola vogdesi</i> (Arnold, 1906)	Grau (1959:149), Coan & Scott (1997:8)
<i>Chlamys fenestrata</i> Hedley, 1901 <sup>8</sup>	<i>Chlamys hadleyi</i> Dautzenberg, 1902	<i>Mesophylum fenestratum</i> (Hedley, 1901)	Iredale (1924:194)
<i>Pecten fenestratus</i> Verrill, 1881	<i>Pecten thalassinus</i> Dall, 1886	<i>Cyclopecten thalassinus</i> (Dall, 1886)	Verrill (1897:87, 92)
<i>Pecten inflexus</i> var. <i>fimbriatus</i> Locard, 1886	-	<i>Pseudamussium clavatum</i> (Poli, 1795)	Sabelli et al. (1990:290)
<i>Pecten floridus</i> Hinds, 1845	<i>Pecten digensis</i> Dall, 1898	<i>Euola digensis</i> (Dall, 1898)	Grau (1959:143), Coan & Scott (1997:8)
<i>Amusium japonicum formosum</i> Habe, 1964 <sup>9</sup>	<i>Amusium formosum</i> Melville & Standen, 1907	<i>Amusium japonicum taiwanense</i> Dijkstra, 1988	
		<i>Amusium japonicum taiwanicum</i> Habe, 1992	
<i>Pecten fragilis</i> Jeffreys, 1876	-	<i>Pecten bisogensis</i> Locard, 1888	Grau (1959:111)
<i>Pecten fragilis</i> Jeffreys, 1879	-	<i>Hyalopecten ditectus</i> Verrill, 1897	Grau (1959:111)
<i>Pecten fragilis</i> Verrill, 1897	<i>Pecten eucymatus</i> Dall, 1898	<i>Balhypecten eucymatus</i> (Dall, 1898)	Schein (1989:81)

<i>Pecten fuscus</i> Sowerby, 1842	-	<i>Pecten brunneus</i> Stimpson, 1851	<i>Pecten fumatus</i> Reeve, 1852	Dijkstra & Marshall (1997:91)
<i>Pecten fuscus</i> Gould, 1848	-		<i>Placopecten magellanicus</i> (Gmelin, 1791)	Abbott (1974:448)
<i>Pecten proteus</i> var. <i>fuscus</i> B.D.D., 1889	<i>Pecten fuscus</i> Bosc, 1802		<i>Fisopecten glaber</i> (Linnaeus, 1758)	Sabelli et al. (1990:294)
<i>Hinnitia gigantea</i> Gray, 1826 <sup>o</sup>	<i>Plagostoma gigantea</i> Sowerby, 1812	<i>Pecten (Chlamys) multiringosus</i> Gale, 1928	<i>Crassadoma gigantea</i> (Gray, 1825)	Gray (1959:134), Waller (1993:211)
<i>Pecten incomparabilis</i> var. <i>griseus</i> Locard, 1888	<i>Pecten griseus</i> Lamarck, 1819	-	<i>Pulliolium incomparabile</i> (Risso, 1826)	Sabelli et al. (1990:291)
<i>Pecten inflatus</i> var. <i>griseus</i> Locard, 1886	<i>Pecten griseus</i> Lamarck, 1819	-	<i>Pseudamussium clavatatum</i> (Poli, 1795)	Sabelli et al. (1990:290)
<i>Pecten varius</i> var. <i>griseus</i> Locard, 1888	<i>Pecten griseus</i> Lamarck, 1819	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Waller (1991:31)
<i>Pecten hoslynas</i> Verrill, 1882	<i>Pecten hoslynas</i> Forbes, 1844	<i>Cyclopecten subimbrifer</i> Verrill & Bush, 1897	<i>Cyclopecten subimbrifer</i> Verrill & Bush, 1897	Verrill (1897:84)
<i>Pecten imparicostatus</i> Bavey, 1905	<i>Pecten imparicostatus</i> Bittner, 1895	<i>Pecten zealandicus</i> Hertlein, 1931	<i>Talochlamys zealandica</i> (Gray, 1843)	Spencer & Willan (1995:45), Beu (1997:19)
<i>Pecten inflatus</i> var. <i>inflatus</i> Locard, 1886	<i>Pecten inflatus</i> Bosc, 1802	-	<i>Pseudamussium clavatatum</i> (Poli, 1795)	Sabelli et al. (1990:290)
<i>Pecten intermedius</i> Montecosato, 1899	<i>Janira intermedia</i> Schumacher, 1817	-	<i>Pecten jacobaeus</i> (Linnaeus, 1758)	Sabelli et al. (1990:288)
<i>Pecten irregularis</i> Sowerby, 1842	<i>Janira intermedia</i> Schumacher, 1817	-	<i>Pecten jacobaeus</i> (Linnaeus, 1758)	Sabelli et al. (1990:288)
<i>Pecten isabellae</i> Macgillivray, 1843	<i>Pectinites irregularis</i> Schlotheim, 1813	- <i>Mimachlamys sowerbyi</i> <b>nom. nov.</b>	Hertlein (1969:N366), Vokes (1980:56)	
<i>Pecten laetus</i> Gould, 1861 <sup>11</sup>	<i>Pecten isabella</i> Lamarck, 1819	-	<i>Crassadoma fusio</i> (Linnaeus, 1758)	Waller (1993:215)
	<i>Pecten laetus</i> Gould, 1851	<i>Chlamys farreri nipponensis</i> Kuroda, 1932	<i>'Chlamys' farreri</i> (Jones & Preston, 1904)	Waller (1991:17)
		<i>Chlamys nantimensis</i> Bernard, Cai & Morton, 1993	<i>Lisopecten hyalinus</i> (Poli, 1795)	Sabelli et al. (1990:291)
<i>Pecten hyalinus</i> var. <i>laevigatus</i> Locard, 1888	<i>Pecten laevigatus</i> Goldfuss, 1833	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Waller (1991:31)
<i>Pecten varius</i> var. <i>laevigatus</i> Locard, 1888	<i>Pecten laevigatus</i> Goldfuss, 1833	-	<i>Aequipecten opercularis</i> (Linnaeus, 1758)	Sabelli et al. (1990:289)
<i>Pecten opercularis</i> var. <i>lamellosus</i> B.D.D., 1889	<i>Pecten lamellosus</i> Sowerby, 1819	-	<i>Pecten fumatus</i> Reeve, 1852	Dijkstra & Marshall (1997:91)
<i>Pecten lamarkii</i> Chenu, 1843	<i>Pecten lamarkii</i> Defrance, 1825	-	<i>Pecten fumatus</i> Reeve, 1852	Dijkstra & Marshall (1997:91)
<i>Foia latocostata</i> Angus, 1865	<i>Pecten latocostatus</i> Gray, 1835	-	<i>Fisopecten flexuosus</i> (Poli, 1795)	Sabelli et al. (1990:293)
<i>Pecten flexuosus</i> var. <i>lineolatus</i> Locard, 1888	<i>Pecten lineolatus</i> Lycett, 1850	-		



<i>Amusium lucidum</i> (Jeffreys in) Dall, 1881	<i>Pleuronechia lucida</i> Jeffreys in Thomson, 1873	<i>Amusium pourtalesianum</i> Dall, 1886	<i>Paramusium pourtalesianum</i> (Dall, 1886)	Schein (1989:89)
<i>Pleuronechia lucida</i> Jeffreys in Thomson, 1873 <sup>12</sup>	<i>Pecten lucidus</i> Goldfuss, 1835	<i>Amusium editae</i> Gregorio, 1898	<i>Paramusium lucidum</i> (Jeffreys in Thomson, 1873)	Bernard (1983:26, 68)
<i>Pecten lunaris</i> Berry, 1963 <sup>13</sup>	<i>Pecten lunaris</i> Römer, 1839	<i>Pecten berryi</i> Bernard, 1983 [not Stephenson, 1923]		
		<b><i>Pecten stillmani</i> nom. nov.</b>		
<i>Pecten multistriatus</i> var. <i>luteus</i> Locard, 1888	<i>Pecten luteus</i> Bosc, 1802	-	<i>Crassadoma multistriata</i> (Poli, 1795)	Waller (1993:212)
<i>Pecten varius</i> var. <i>luteus</i> Locard, 1888	<i>Pecten luteus</i> Bosc, 1802	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Waller (1991:31)
<i>Pecten incomparabilis</i> var. <i>maculatus</i> Locard, 1888	<i>Pecten maculatus</i> Lamarck, 1819	-	<i>Paliolum incomparabile</i> (Risso, 1826)	Sabelli et al. (1990:291)
<i>Pecten inflexus</i> var. <i>major</i> Locard, 1886	<i>Pecten major</i> Young & Bird, 1828	-	<i>Pseudamusium clavatum</i> (Poli, 1795)	Sabelli et al. (1990:290)
<i>Pecten jacobaeus</i> var. <i>major</i> Locard, 1888	<i>Pecten major</i> Young & Bird, 1828	-	<i>Pecten jacobaeus</i> (Linnaeus, 1758)	Sabelli et al. (1990:288)
<i>Pecten maximus</i> var. <i>major</i> Locard, 1888	<i>Pecten major</i> Young & Bird, 1828	-	<i>Pecten maximus</i> (Linnaeus, 1758)	Wagner [1991:45]
<i>Pecten glaber</i> var. <i>major</i> Locard, 1888	<i>Pecten major</i> Young & Bird, 1828	-	<i>Flexopecten glaber</i> (Linnaeus, 1758)	Sabelli et al. (1990:293)
<i>Pecten hoslynii</i> var. <i>major</i> Leche, 1878	<i>Pecten major</i> Young & Bird, 1828	-	<i>Cyclopecten hoslynii</i> (Forbes, 1844)	Sabelli et al. (1990:291)
<i>Pecten septemradiatus</i> var. <i>major</i> Locard, 1886	<i>Pecten major</i> Young & Bird, 1828	-	<i>Pseudamusium septemradiatum</i> (Müller, 1776)	Sabelli et al. (1990:290)
<i>Pecten sulcatus</i> var. <i>major</i> Locard, 1888	<i>Pecten major</i> Young & Bird, 1828	-	<i>Flexopecten glaber</i> (Linnaeus, 1758)	Sabelli et al. (1990:293)
<i>Pecten varius</i> var. <i>major</i> Locard, 1888	<i>Pecten major</i> Young & Bird, 1828	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Waller (1991:31)
<i>Pecten meridionalis</i> Tate, 1887 <sup>14</sup>	<i>Pecten meridionalis</i> Eichwald, 1865	-	<i>Pecten fumatus</i> Reeve, 1852	Dijkstra & Marshall (1997:91)
<i>Pecten maximus</i> var. <i>minor</i> Pallary, 1900	<i>Pecten maximus</i> var. <i>minor</i> Locard, 1888	-	<i>Pecten maximus</i> (Linnaeus, 1758)	Wagner [1991:45]
<i>Pecten minutus</i> Nicklès, 1955	<i>Pecten minutus</i> Bosc, 1802	<b><i>Aequipecten nicklesi</i> nom. nov.</b>		
<i>Pecten modestus</i> Reeve, 1852	<i>Pecten modestus</i> Bosc, 1802	-	<i>Pecten fumatus</i> (Reeve, 1852)	Dijkstra & Marshall (1997:91)
<i>Pecten multicostatus</i> Reeve, 1853	<i>Pecten multicostatus</i> Nilsson, 1827	-	? <i>Mimachlamys varia</i> (Linnaeus, 1758)	
<i>Pecten intuscostatus multicostatus</i> Yokoyama, 1926	<i>Pecten intuscostatus</i> Reeve, 1853	<i>Pecten intuscostatus sazonensis</i> Hertlein, 1931	<i>Paramusium alaskense</i> (Dall, 1872)	Grau (1959:18)

<i>Pecten mundus</i> Reeve, 1853	<i>Pecten mundus</i> McCoy, 1844	-	<i>Spathochlamys benedicti</i> (Verrill & Bush, 1897)	Waller (1993:230)
<i>Pecten nebulosus</i> Brown, 1844	<i>Pecten nebulosus</i> Brown, 1835	-	<i>Pseudamussium septemradiatum</i> (Müller, 1776)	Sabelli et al. (1990:290)
<i>Pecten obliquatus</i> Jeffreys, 1881 <sup>15</sup>	<i>Pecten obliquatus</i> Conrad in Jay, 1850	<i>Pecten parvulus</i> Locard, 1898	' <i>Pecten</i> ' <i>parvulus</i> Locard, 1898	Grau (1959:50)
<i>Pecten panamensis</i> Dall, 1908	<i>Pecten panamensis</i> Dall, 1898	<i>Pecten zacae</i> Hertlein, 1935	<i>Delicopecten zacae</i> (Hertlein, 1935)	Sabelli et al. (1990:289)
<i>Pecten parvus</i> Sowerby, 1835	<i>Pecten parvus</i> Da Costa, 1778	<b><i>Excellichlamys bretteingkami</i></b> <b>nom. nov.</b>	<i>Aequipecten commutatus</i> (Monterosato, 1875)	Dijkstra & Roussy (1994:7)
<i>Pecten philippini</i> Recluz, 1853	<i>Pecten philippini</i> Michelotti, 1839	<i>Pecten commutatus</i> Monterosato, 1875	<i>Brachichlamys oueni</i> (Gregorio, 1884)	Sabelli et al. (1990:294)
<i>Pecten pictus</i> Sowerby, 1842	<i>Pecten pictus</i> Da Costa, 1778	<i>Pecten oueni</i> Gregorio, 1884	<i>Flexopecten glaber</i> (Linnaeus, 1758)	Dijkstra (1996:41-44)
<i>Pecten proteus</i> var. <i>pictus</i> B.D.D., 1889	<i>Pecten pictus</i> Da Costa, 1778	-	<i>Leptopecten linki</i> (Dall, 1926)	Sabelli et al. (1990:291)
<i>Pecten pulchellus</i> Reeve, 1853	<i>Pecten pulchellus</i> Nilsson, 1827	<i>Chlamys moretonica</i> Finlay, 1927	<i>Lisopecten hyalinus</i> (Poli, 1795)	Waller (1993:212)
<i>Pecten pulcherrimus</i> Gray, 1839	<i>Pecten pulcherrimus</i> Risso, 1826	-	<i>Flexopecten glaber</i> (Linnaeus, 1758)	Sabelli et al. (1990:293)
<i>Pecten multistriatus</i> var. <i>punctatus</i> Locard, 1888	<i>Pecten punctatus</i> Bosc, 1802	-	<i>Lisopecten hyalinus</i> (Poli, 1795)	Beu (1995:19)
<i>Pecten sulcatus</i> var. <i>punctatus</i> Locard, 1888	<i>Pecten punctatus</i> Bosc, 1802	<i>Pecten sulteri</i> Hertlein, 1933	' <i>Talochlamys</i> ' <i>gemmulata</i> (Reeve, 1853)	Sabelli et al. (1990:289)
<i>Pecten hyalinus</i> var. <i>quiquerosatus</i> Locard, 1888	<i>Pecten quiquerosatus</i> Deshayes in Bory, 1833	-	<i>Aequipecten opercularis</i> (Linnaeus, 1758)	Sabelli et al. (1990:294)
<i>Pecten radiatus</i> Hutton, 1873	<i>Pecten radiatus</i> Bosc, 1802	-	<i>Flexopecten glaber</i> (Linnaeus, 1758)	Sabelli et al. (1990:293)
<i>Pecten lineatus</i> var. <i>radiatus</i> Locard, 1888	<i>Pecten radiatus</i> Bosc, 1802	-	<i>Flexopecten flexuosus</i> (Poli, 1791)	Sabelli et al. (1990:288)
<i>Pecten proteus</i> var. <i>radiatus</i> B.D.D., 1889	<i>Pecten radiatus</i> Bosc, 1802	-	<i>Pecten jacobaeus</i> (Linnaeus, 1758)	Waller (1991:31)
<i>Pecten flexuosus</i> var. <i>rosens</i> Locard, 1888	<i>Pecten rosens</i> Bosc, 1802	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Bernard (1983:26)
<i>Pecten jacobaeus</i> var. <i>rotundatus</i> Locard, 1888	<i>Pecten rotundatus</i> Lamarck, 1819	-	<i>Cyclopecten pernomus</i> (Hertlein, 1935)	Dijkstra (1991:29)
<i>Pecten varius</i> var. <i>rotundatus</i> Locard, 1888	<i>Pecten rotundatus</i> Lamarck, 1819	<i>Pecten pernomus</i> Hertlein, 1935	<i>Mimachlamys cloacata</i> (Reeve, 1853)	
<i>Pecten rotundatus</i> Dall, 1908	<i>Pecten rotundatus</i> Hagenow, 1842	<i>Pecten nigosus</i> Lamarck, 1819		
<i>Pecten nigosus</i> Sowerby, 1842	<i>Pecten nigosus</i> Lamarck, 1819	<i>Pecten pilseneri</i> Dautzenberg & Bavay, 1912		

<i>Pecten similis</i> Sowerby, 1842 <sup>16</sup>	<i>Pecten trabinus</i> Gregorio, 1898	<i>Pecten</i> sp.	
<i>Pecten jacobaeus</i> var. <i>striatus</i> Locard, 1888	-	<i>Pecten jacobaeus</i> (Linnaeus, 1758)	Sabelli et al. (1990:288)
<i>Pecten subryfus</i> Bosc, 1802	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Waller (1991:31)
<i>Pecten incomparabilis</i> var. <i>succineus</i> Locard, 1888	-	<i>Pallium incomparabile</i> (Risso, 1826)	Sabelli et al. (1990:291)
<i>Pecten sulcatus</i> Lamarck, 1819	<i>Pecten subulatus</i> Locard, 1898	<i>Fleospecten glaber</i> (Lamarck, 1819)	Dijkstra (1994:479)
<i>Pecten sulphureus</i> Küster & Kobelt, 1888	-	' <i>Chlamys</i> ' <i>conuscanus conuscanus</i> (Hinds, 1845)	Waller (1972:231)
<i>Pecten transenna</i> Mestayer, 1919	<i>Cyclochlamlays secunda</i> Finlay, 1927	<i>Cyclochlamlays secunda</i> Finlay, 1927	Finlay (1927:453)
<i>Pecten opercularis</i> var. <i>transversus</i> Clement, 1879	-	<i>Aequipecten opercularis</i> (Linnaeus, 1758)	Sabelli et al. (1990:289)
<i>Pecten septemradiatus</i> var. <i>transversus</i> Locard, 1886	-	<i>Pseudamussium septemradiatum</i> (Müller, 1776)	Sabelli et al. (1990:290)
<i>Pecten tricariniatus</i> Anton, 1838	-	<i>Serratosola rubicunda</i> (Récluz in Chenu, 1843)	
<i>Pecten trifidus</i> Dunker, 1877	<i>Pecten jickelii</i> Dunker, 1882	? <i>Mimachlamys cloacata</i> (Reeve, 1853)	Dijkstra (1991:30)
<i>Pecten triradiatus</i> Reeve, 1853	-	<i>Mimachlamys cloacata</i> (Reeve, 1853)	
<i>Pecten tumidus</i> Sowerby, 1835 <sup>17</sup>	<i>Pecten ventricosus</i> Sowerby, 1842	<i>Argopecten ventricosus</i> (Sowerby, 1842)	Waller (1995:298-303)
<i>Pecten opercularis</i> var. <i>tumidus</i> Jeffreys, 1863	<i>Pecten inca</i> Orbigny, 1847	<i>Aequipecten opercularis</i> (Linnaeus, 1758)	Sabelli et al. (1990:289)
<i>Pecten undulatus</i> Sowerby, 1842	-	<i>Notochlamlays hexactes</i> (Lamarck, 1819)	Dijkstra (1994:493)
<i>Pecten autouinii</i> var. <i>undulatus</i> Locard, 1886	<i>Chlamys anguinea</i> Finlay, 1927	<i>Aequipecten opercularis</i> (Linnaeus, 1758)	Sabelli et al. (1990:289)
<i>Pecten flexuosus</i> var. <i>violaceus</i> Locard, 1888	-	<i>Fleospecten flexuosus</i> (Poli, 1795)	Sabelli et al. (1990:293)
<i>Pecten incomparabilis</i> var. <i>violaceus</i> Locard, 1888	-	<i>Pallium incomparabile</i> (Risso, 1826)	Sabelli et al. (1990:291)
<i>Pecten proteus</i> var. <i>violaceus</i> Locard, 1888	-	<i>Fleospecten glaber</i> (Linnaeus, 1758)	Sabelli et al. (1990:293)
<i>Pecten varius</i> var. <i>violaceus</i> Clement, 1879	-	<i>Mimachlamys varia</i> (Linnaeus, 1758)	Sabelli et al. (1990:293)
<i>Pecten vitreus</i> King & Broderip, 1832	<i>Pecten vitreus</i> Bosc, 1802	' <i>Pecten</i> ' <i>natans</i> Philippi, 1845	Waller (1991:31)
			Grau (1959:125)

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