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CANADIAN SPECIAL PUBLICATION OF FISHERIES AND AQUATIC
SCIENCES 61

**Catalogue of the Living Bivalvia
of the Eastern Pacific Ocean:
Bering Strait to Cape Horn**

F. R. BERNARD

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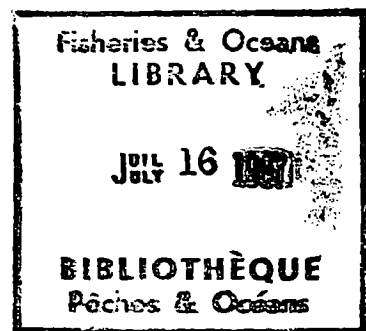
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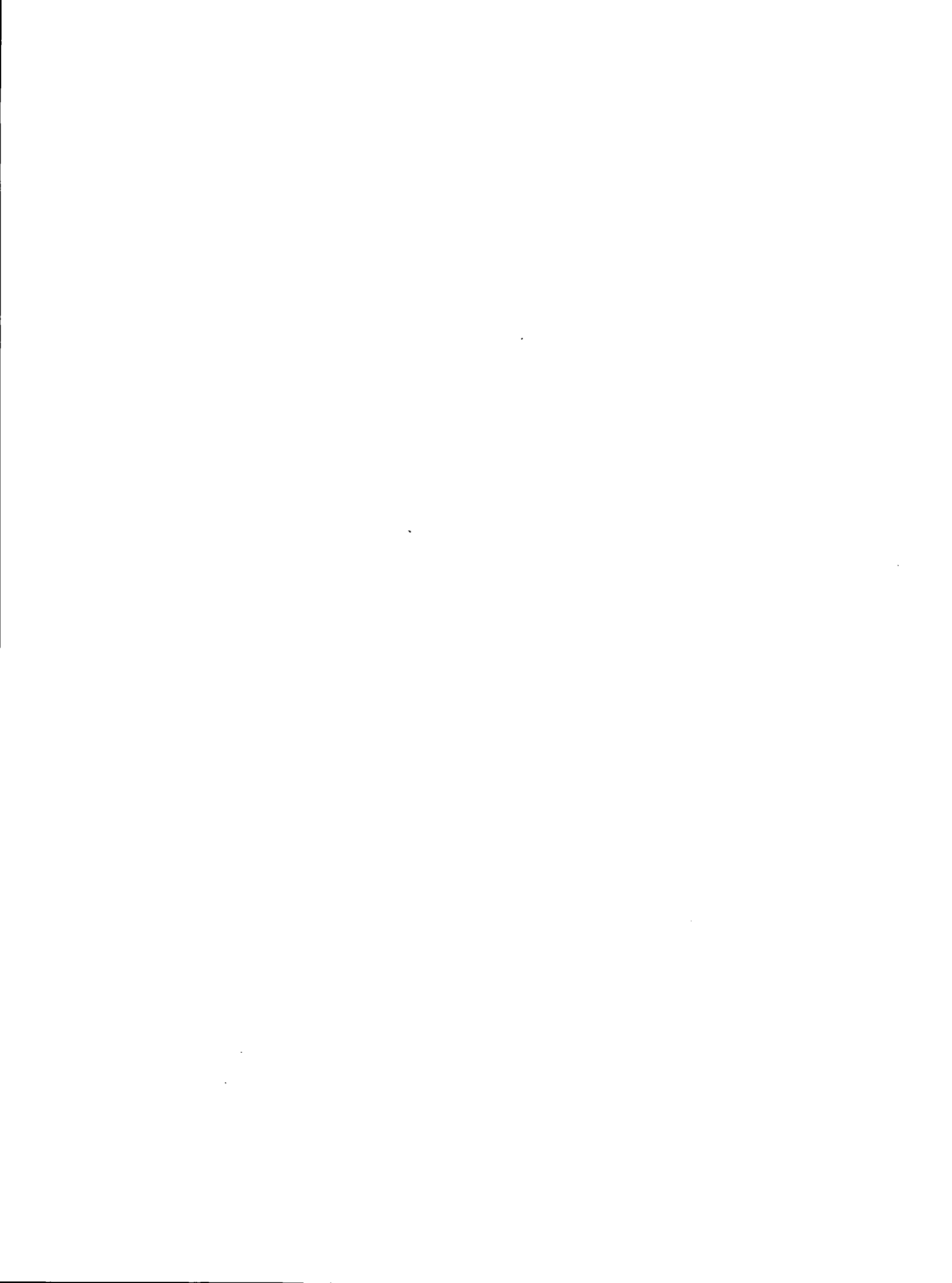
To D.B. Quayle





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Abstract

BERNARD, F.R. 1983. Catalogue of the living Bivalvia of the eastern Pacific Ocean: Bering Strait to Cape Horn. Can. Spec. Publ. Fish. Aquat. Sci. 61:102 p.

This work consists of a systematic catalogue and primary bibliography of the living Bivalvia of the eastern Pacific Ocean from Bering Strait, Alaska (66°N) to Cape Horn, Tierra del Fuego (60°S). 1308 species from the high intertidal zone to deep waters extending approximately two thousand kilometers offshore are included, representing the total described fauna. Synonymies for each species and its distribution updated from the recent literature and museum and private collections, are given. Also presented are the thermal range and fossil occurrence in the region, abstracted from the literature and collections. The bibliography lists sources of primary descriptions and replacement names at the specific level only. New species are not proposed, though six replacement names and various changes of suprageneric categories are suggested.

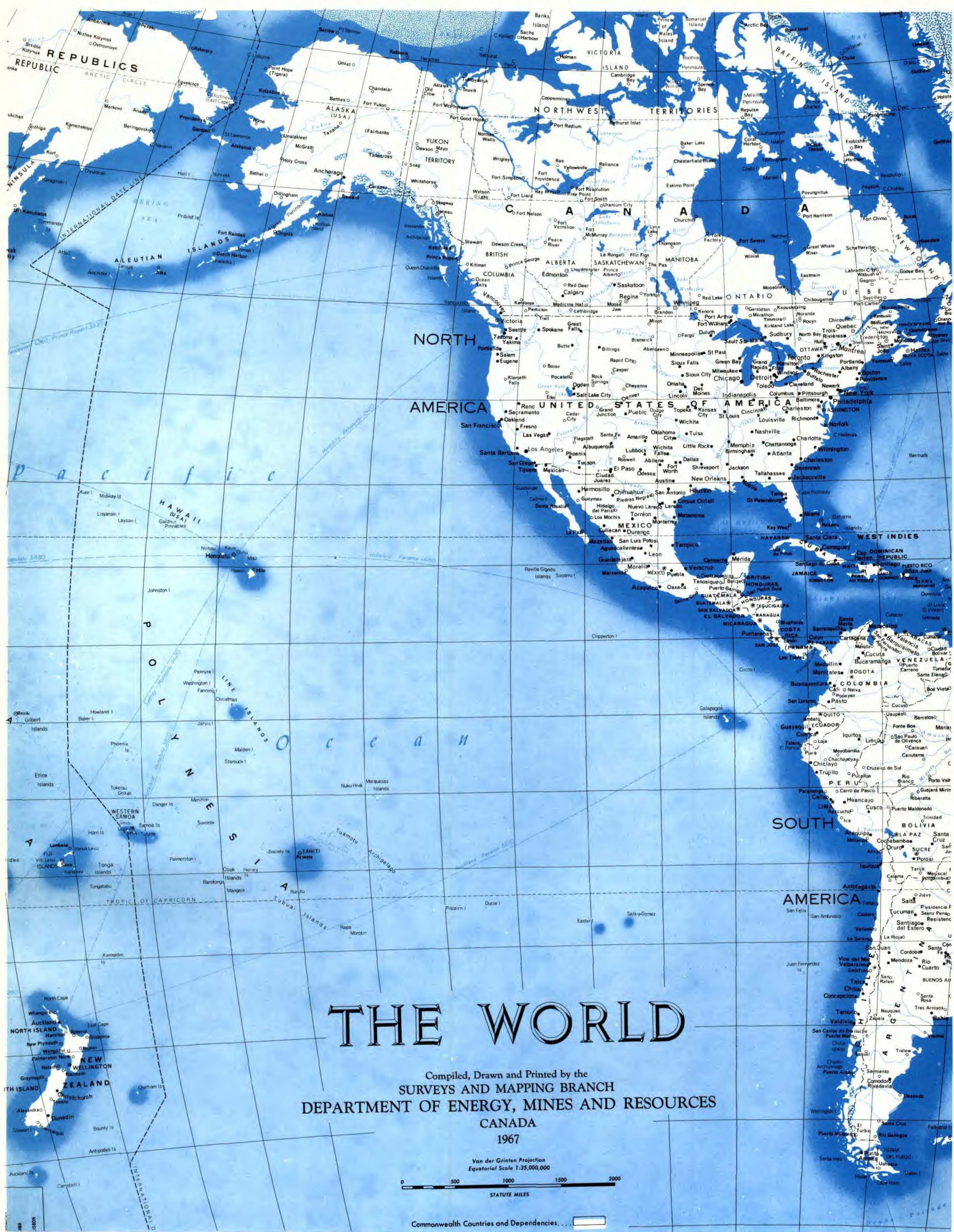
The following nomenclatural changes are proposed: *Anadara auricula* *nom. nov. pro Arca auriculata* Sowerby, 1833 not Lamarck; *Modiolus kurilensis* *nom. nov. pro Volsella difficilis* Kuroda and Habe 1950 not Deshayes; *Pecten berryi* *nom. nov. pro Pecten lunaris* Berry 1963 not Römer; *Petricola olssoni* *nom. nov. pro Petricola peruviana* Olsson, 1961 not Jay; *Semele clydosa* *nom. nov. pro Amphidesma punctatum* Sowerby 1833 not Say; Astartacea superfamily *nom. transl.*; Axinopsidinae subfamily *nov.*; Borniinae subfamily *nov.*; Crassatellacea superfamily *emend.*; Eryciniinae subfamily *nom. transl.*; Glycymeridacea superfamily *nov.*; Kelliinae subfamily *nov.*; Lasaeinae subfamily *nom. transl.*; Montacutinae subfamily *nom. transl.*; Mysellinae subfamily *nov.*; Oorbitellinae subfamily *nov.*; Thecodontinae subfamily *nov.*; Thraciacea superfamily *nom. transl.*; Thyasirinae subfamily *nov.*

Résumé

BERNARD, F.R. 1983. Catalogue of the living Bivalvia of the eastern Pacific Ocean: Bering Strait to Cape Horn. Can. Spec. Publ. Fish. Aquat. Sci. 61:102 p.

La présente publication contient un catalogue systématique et une bibliographie de base des Bivalvia existants du Pacifique oriental, depuis le détroit de Béring, en Alaska (66°N), jusqu'au cap Horn, en Terre de Feu (60°S). Elle comprend 1 308 espèces réparties de la zone intertidale supérieure aux eaux profondes jusqu'à environ 2 000 km au large et représentant le total de la faune décrite à ce jour. On y donne, pour chaque espèce, les synonymes et la répartition mise à jour d'après les récentes publications et les collections de musées ou privées. Sont inclus également les extrêmes de température où se trouvent ces espèces, ainsi que l'incidence de fossiles dans la région, ici encore extraits de la littérature et des collections. Dans la bibliographie, on indique les sources de descriptions originelles et les noms de remplacement seulement au niveau spécifique. Aucune nouvelle espèce n'est proposée, bien six noms de remplacement et divers changements de catégories supragénériques soient suggérés.

Nous proposons les changements suivants dans la nomenclature : *Anadara auricula* *nom. nov. pro Arca auriculata* Sowerby, 1833, non pas Lamarck; *Modiolus kurilensis* *nom. nov. pro Volsella difficilis* Kuroda et Habe 1950, non Deshayes; *Pecten berryi* *nom. nov. pro Pecten lunaris* Berry 1963, non Römer; *Petricola olssoni* *nom. nov. pro Petricola peruviana* Olsson, 1961, non Jay; *Semele clydosa* *nom. nov. pro Amphidesma punctatum* Sowerby 1833, non Say; super-famille Astartacea *nom. transl.*; sous-famille Axinopsidinae *nov.*; sous-famille Borniinae *nov.*; super-famille Crassatellacea *emend.*; sous-famille Eryciniinae *nom. transl.*; super-famille Glycymeridacea *nov.*; sous-famille Kelliinae *nov.*; sous-famille Lasaeinae *nom. transl.*; sous-famille Montacutinae *nom. transl.*; sous-famille Mysellinae *nov.*; sous-famille Oorbitellinae *nov.*; sous-famille Thecodontinae *nov.*; super-famille Thraciacea *nom. transl.*; sous-famille Thyasirinae *nov.*



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INTRODUCTION

No comprehensive inventory of the bivalve fauna of the entire eastern Pacific has appeared, and it is more than 44 years since A. M. Keen's *Check list and bibliography of the northwestern American marine Mollusca* (1937). The present catalogue was started over fifteen years ago to provide data for a re-interpretation of bivalve geography using new distributional data, segregated by depth to resolve effects of submergence of northern species at lower latitude, and submitted to computer techniques for analysis. This work is now in final preparation (Bernard & McKinnel MS), but it appeared useful for taxonomic workers to issue the data, and setting down in juxtaposition the northern and southern representatives of various groups may stimulate further study leading to monographic reviews.

I have attempted to include all binomina used regionally, though the early literature is replete with extralimital analogues. I have built on the important faunistic works of Carpenter (1872), Dall (1921), Keen (1937), and Burch (1944-46) for the northern fauna; Olsson (1961) and Keen (1971) for tropical America; and Carcelles & Williamson (1951) and Osorio & Bahamonde (1970) for the southern fauna. Other records were obtained by abstracting the literature and more than 5000 titles were searched. I have avoided mere lucubrations of published records, that so often repeat and perpetuate errors, and wherever possible type material was examined and collections consulted contemporaneous to writings of authors where original material is unavailable or lost. In some cases the total nomenclatural confusion makes determination of identity a matter of idle but not uninteresting speculation.

A critical review of each group is impossible on so large a scale and would result in several volumes of heroic proportions. I have let stand a number of incorrect generic usages, as these long-established errors require erection of new taxa for their correction. However, I have corrected homonyms and have merged a number of species. Doubtless, synonyms and other oversights have crept in. Besides such outright errors, two further difficulties will try the reader-pertinent literature may have been overlooked, and the lag in publication time will result in omission of newly described species. I apologise for these shortcomings and hope they will be brought to my attention for revision.

FORMAT

Suprageneric taxa are arranged to reflect current concepts of taxonomic relationships, combining stratigraphic, anatomical, shell ultrastructure and other criteria with the classic shell morphology. A brief overview of the present status of the systematics of the higher taxa is given below. Bibliographic references for the supraspecific taxa are not cited, where they are available in the *Treatise on Invertebrate Paleontology* (Moore 1969), and do not require repetition, but references to authors of names which appeared after 1969, are included. Authorities for corrections of names and

changes in concepts or status are given, but do not appear in the bibliography.

Genera and subgenera are arranged alphabetically. I have avoided listing the nominate genus directly following the family or subfamily entry as done in the '*Treatise*', as this merely reflects chronology and is often disruptive of the current view of natural relationships, which are constantly changing as more information accumulates.

Each species comprises a separate entry, with the current binomen in heavy type. The original combination and full bibliographic reference follows for the species and its junior synonyms, arranged chronologically, the status indicated, where necessary, with abbreviated latin terms. Distribution outside the area of concern is briefly indicated. Occurrence in the Clipperton, Cocos, or Galapagos Islands fauna is noted, as there appear to be features distinct from the continental shelf biota, notably the presence of a few endemic taxa and those species with Indo-Pacific affinities. The final line of each entry includes the geographic range to nearest degree of latitude and the mid-point of geographical distribution. The bathymetric range is in meters, and may differ from previously published records as I have not cited depths based on dead and probably displaced material. Thermal ranges are followed by the oldest paleontological occurrence on the American continent. Extralimital or incorrect binomina which have become embedded in the literature are presented in smaller type. Departures from current systematic arrangement and proposals of replacement names are annotated by a numbered entry appearing at the end of the catalogue section.

It is an irritant to the non-taxonomist to be faced with changes of familiar names; however, it is unavoidable to eventual stability and universality. All genus taxa were checked with Neave (1939-75), and the specific names with Sherborn (1902-33), and the useful compilation by Ruhoff (1980) bridging the period between Sherborn and the start of the *Zoological Record*. Contemporary taxonomy has largely disregarded the typological concept of the species in favor of emphasis on infraspecific variability. Following this I do not use the subspecific designation, as the majority of wide-ranging species are expected to yield several subspecies.

Formal taxonomic citation requires only the binomen (genus and species), however, the original author and publication date are usually appended. The addition of pagination, references to illustrations, addition of the author or editor of the work in which the description appeared, citation of the authority for change of genus, etc, is merely book-keeping with no formal taxonomic status. I have, generally, followed the *Anglo-American Cataloguing Rules* (Gorman & Winkler 1978) when citing authorities' names. The prefix *Du, de, von*, etc is not included (*Orbigny* not *d'Orbigny*; *Blainville* not *Ducrotay de Blainville*). Technically this is acceptable only when the prefix follows the first name, in other cases the name should be quoted in full (*Megerle von Mühlfeld*), but as no doubt arises, and considerable space is saved, I have followed the informal European usage among peers (*Megerle*).

Geographic ranges were obtained by computer processing records compiled by one degree blocks of the coastline segregated in several depth categories. All end points were confirmed by examination of material: in the few situations where this was not possible, the literature records were accepted only if there is only a small possibility of error of identification. Even so, terminal ranges may frequently be collecting artifacts, rather than true end points, though the records from the central American region are fairly reliable thanks to good coverage in the Los Angeles County Museum, the Allan Hancock Foundation and the Stanford (now in the California Academy of Science) collections. The situation is less stable in the poorly collected Bering Sea and the Chilean fauna.

The median latitude, the arithmetic mean of the north and south limits of distribution, may be a useful comparative index. Schenck & Keen (1936) proposed a faunistic analysis based on mid-points on the assumption that 'provinces' are indicated by clustering of mid-points at their centre. It is now accepted that centres of distribution do not necessarily coincide with the geographical centre (Newell 1948). The value of end-point analysis is not as much a pioneer attempt to use objective criteria for biogeographic province delimitation, as a tool for comparing faunas, particularly Pleistocene assemblages (Schenck & Keen 1940, largely repeated by Schenck 1945), when bathymetrical and ecological conditions are taken into account. The use of mid-point analysis and correction factors for extant faunal displacement, will be fully discussed in a forthcoming paper (Bernard & McKinnell MS).

The temperature range given for each species is an attempt to supply another index useful for estimating paleotemperatures of Pleistocene bivalve faunas. The shown values were generated by computer from data entered by depth. The calculated value is the mean of the closest adjoining records, ignoring sharp thermoclines or micro-regional climates, so at best it is a compromise, subject to revision as more precise data become available. Data were obtained from Love (1971, 1972a, b, 1973), Gorshov (1974), Muromtsev (1963), Stevenson *et al.* (1970), Kuksa (1978) and the U.S. Department of Commerce (1970). Averaging the temperatures of the species occurring probably will not yield a defendable estimate of temperature, but the proportion of thermophilic or cryophilic species will indicate the minimal temperature range.

The geological range for each species is noted using standard Pacific coast provincial megafossil chronology and refers to the eastern Pacific only. Critical comparisons were made where possible between fossil and living material, particularly with fossils from the Atlantic and the northwestern Pacific Oceans. This brought to light the frequently diverging views of the species concept held by neontologists and their palaeontologist colleagues (Newell and Boyd 1978). Differentiating characters change over time, but morphological features used to cluster populations into species must be accorded comparable importance over space and time. If characters fall into the expected variability of the species, then temporal separation is insufficient to maintain specific status.

ORIGIN AND CLASSIFICATION OF BIVALVIA.

Various organisms with apparently bivalved exterior shells are known from the earliest fossil strata, but undoubted Bivalvia first appear in the Ordovician, already diversified into major groups from which all living forms can be derived (Pojeta 1971). The antiquity of these major lines has resulted in the proposal of subclasses, and even subphyla (Scarlato & Starobogatov 1978), for a group long thought to be more uniform than many other invertebrate phyla. Neveeskaya *et al.* (1971) recognised the underlying uniformity of the Bivalvia and used only superorders for primary divisions. However, increasing information on comparative anatomy, shell ultrastructure, systematic biochemistry, and palaeontology, require high-level taxa necessary to express diverse relationships of a group which may be less cohesive than suggested by superficial study.

Numerous classificatory schema have been proposed during the past two centuries, initially based solely on the shell, then on the soft anatomy or ecology. The growth and rationale of the various systems have been fully reviewed by Cox (1960) and again by Newell (1965), expanded and lightly revised by Newell *in* Moore (1969). As emphasis moved from conchology to malacology and attempts were made to draw in palaeontological data, it was soon evident that systems based on single characters were illogical and frequently contrary to obvious relationships. Recent efforts at classification attempt to acknowledge the entire spectrum of information, but as characters have evolved at different rates and complicated by convergence, mosaic evolution, and parallelism, evidence frequently is conflicting and cannot be accorded equal importance. This subjective weighing that is the ultimate task of the systematists and becomes more controversial and personal the higher the taxon. Furthermore, as the shell is the most accessible structure, and the only available one to the palaeontologist, ideally taxonomy should be workable at the conchological level.

Attempts to construct early phylogenies and origins for the Mollusca are an entertaining and harmless intellectual diversion, well summarised by Vagvolgyi (1967). There exists no comprehensive and persuasive theory of descent for the Bivalvia, but mention should be made of recent interesting speculations. Pojeta *et al.* (1972) advanced the view that rostroconchs, a heterogeneous group of fossils, variously assigned to the Arthropoda, Brachiopoda and Mollusca, in fact represent an extinct class of Mollusca, ancestral to the Bivalvia (Runnegar & Pojeta 1974). *Heraultipegma*, a Cambrian fossil of uncertain affinity is considered the earliest rostroconch by Pojeta & Runnegar (1976). Earlier, Pojeta *et al.* (1973) announced that *Fordilla*, hereto considered a Lower Cambrian arthropod (Müller 1975; Missarzhevskiy 1974), represented the earliest known Bivalvia. Finally, Runnegar (1978) derived the bivalved *Fordilla* from the saddle-like single valve of *Heraultipegma*. This controversial contention that rostroconchs are ancestral to Bivalvia, is, at best, conjectural, as rostroconchs never developed a true bivalve shell, ligament, or adductor muscles. An explanation is necessary to account for the absence of Bivalvia from the Middle Cambrian to the Ordovician if *Fordilla* is accepted as the first true Bivalvia. It may be more prudent to

follow Yochelson (1978) and consider *Fordilla* an early extinct molluscan experiment not related to the Bivalvia.

It is possible to develop a bivalved shell from a single shell as demonstrated by *Berthelinia* and other bivalved sacoglossan gastropods. But there is no necessity to derive Bivalvia from a calcified, limpet-like ancestor as suggested by Jackson (1891) and repeated by others. There are numerous difficulties in attempting to obtain two shells by flexure along the dorsal line and eventual separation of a single shell. More probably it originated from the superficial mucoid-proteinaceous layer present in a form similar to the worm-shaped aplacophores (Beedham & Turner 1968). In the hypothetical ancestral mollusca, and possibly in the earliest Bivalvia, the external surfaces may have consisted of a mantle covered by an organic integument with imbedded spicules, similar to those occurring in the periostracum of some Bivalvia (Carter & Allen 1975). As mode of life changed to soft-substrate infaunal existence, the calcareous valves may have originated as a protective adaptation or to satisfy the requirement for greater rigidity of the walls of the mantle cavity. It may also be speculated that the calcareous shell represents a neotenous feature originally developed as an adaptation to planktonic existence. Calcification probably occurred as two lateral patches and maintained the orientation of the covering integument. Gradual expansion of the calcified area was accompanied by development of the hinge followed by lateral rotation of the plates, development of the adductor muscles and eventual envelopment of the soft parts of the organism. This interpretation is supported by the fact that the ligament is not a decalcified, or modified portion of the shell, but originally represents hypertrophied periostracum (Waller 1978). Further support is provided by the observation that the initial larval shell originates from two bilateral centres of calcification occurring below a cuticle secreted by cells bordering the shell gland invagination (Kniprath 1979), forming a dumbbell-shaped sheet, with calcification proceeding outwards in all directions, including the future hinge-line (Waller 1981). The shell gland is the primordial mantle, and, as it extends after evagination, deposits of shell occur along the commissural margins.

It is frequently repeated that development of an enclosing mantle/shell, together with quasi-sedentary fossorial habits, led to loss of the head region. In fact the Bivalvia are as cephalised as their presumed turbellarian-like ancestors. There is no direct evidence that mucoid-ciliary or suspension feeding specializations involved disappearance of the radula and fore-gut, though retained by scaphopods with similar habits. It is my belief that on the basis of comparative anatomy and digestive physiology the Bivalvia evolved from an ancestral type distantly connected to other extant classes, lacking the radula and calcified shell. It is possible that considerable radiation of the class occurred prior to development of an adult shell, explaining the sudden appearance of the diverse groups of Bivalvia in the Ordovician.

This catalogue presents a conservative arrangement of the taxa, but several changes are proposed and I have used, where necessary, palaeontological evidence and have leaned heavily on the collected papers presented at the 1977 discussion "Evolutionary systematics of the bivalve molluscs"

organised by the Royal Society and the summation of prevailing Soviet view given by Scarlato and Starobogatov (1979). I summarise the views which led to my arrangement of taxa, together with arguments in the notes following the catalogue by section.

There is much evidence supporting the homogeneity of the subclass Protobranchia (Cox 1959, Owen 1959, Purchon 1959, Yonge 1959), but Newell (1965) thought that this grouping based primarily upon the common feature of the bipinnate gill was not defensible. Current published classifications divide the Protobranchia into two subclasses based on the presence or absence of taxodont dentition. The living taxodont protobranchs are probably derived from Ctenodontidae, differing only in the possession of a resilium. Though *Solemya* has existed since the Devonian, considering it a living representative of the Cryptodonta is highly conjectural, and Taylor *et al.* (1973) suggested the group may be descended from the actinodonts. The other doubtful protobranch group is the Nucinellidae, on anatomical evidence shown by Allen & Sanders (1969) to be close to *Solemya*, though Taylor *et al.* (1973) stated the shell to be closer to *Nuculana* than *Solemya*. I consider the Nucinellidae dating from the Jurassic, unrelated to the Permian Manzanellidae. The bipinnate gill, present in all the above taxa is strong evidence of affinity. It is an organ that is unlikely to have developed separately in two or more lineages, and, though the various groups have been independent since earliest time, many similarities in anatomy and shell morphology, point to a natural group.

Waller (1978) has provided the most comprehensive contribution to our understanding of the pteriomorphs, which he divided into three superorders of the subclass Autobranchia. I doubt the reality of this subclass, and prefer to arrange pteriomorphs as the subclass Pteriomorphia as it probably represents a monophyletic though much diversified group. The foliated calcite of the shells of living Pectinacea, Ostreacea, and Anomiacea evolved from prismatic calcite rather than nacreous aragonite (Waller 1975), thus separating this group from the obviously related Mytilacea, Pinnacea, and Pteriacea. Arcids are believed to be descended from cyrtodontids, though Morris (1967) felt the evidence was slender, the hypothesis is supported by Pojeta (1971). Newell (1954) published a phylogenetic diagram suggestive of descent from actinodont stock, an interpretation supported by the gradual shift of the hinge teeth of Mesozoic arcids from horizontal to vertical configuration, but appears to have abandoned the idea *in* Moore (1969) by favouring the cyrtodontid association. The correct interpretation is obscured by the very variable shell form, though the anatomy is markedly conservative (Thomas 1978). Taylor *et al.* (1969) noted that arcid shells differed from other pteriomorphs, and I follow Cox (1960) in according the group a separate order, but would not go as far as Waller (1978) who placed them in the emended superorder Prionodonta. The placement of the Philobryidae is still uncertain, but shell ultrastructure and ligament are arcoid (Waller 1978) so I place it as a family in the Arcacea. The genus *Glycymeris* is known from the Lower Cretaceous and Nicol (1950) thought that glycymerids probably descended from Jurassic cucullaceans as in the Cretaceous there existed representatives of glycymerids with

radial dentition. The small, and probably polyphyletic family Limopsidae is known from the Upper Triassic, and I would assign its oldest representative, *Hoferia* Bittner to the glycymerids, resulting in a supposed age of only Middle Jurassic. I consider, on the basis of stomach morphology and ecology, that the Limopsidae and Glycymerididae should be separated though roughly of the same age. I follow Habe (1977) in allocating only the limopsids to the superfamily Limopsacea, but do not agree with merging glycymerids at only the family level with the Arcacea and propose the superfamily Glycymeridacea.

The Mytilacea possess an outer shell layer distinct from all other bivalves (Oberling 1964), warranting separation at the order level in agreement with Waller (1978). The Mytiloidea probably represents a distinct lineage to the Ordovician Modiomorphidae (Cox 1960). The entirely different prismatic outer shell layer of the Pinnacea (Taylor *et al.* 1973) together with the anatomy, show this group should be removed from the mytilids and associated with the pteriids, I follow Waller (1978) and use the order Pterioidea as emended by him, including his new suborder Pinnina. The status of limids has been mutable, usually included as a superfamily near the Anomiacea, their monomyarian condition confusing the issue until authors showed that the condition arose independently several times in the Pteriomorphia. I again follow Waller (1978) and use his new order Limoida emended to include only the Limidae. According to Waller the Limoida are distantly related to, but more ancient than the true oysters, anomids and pectens. True oysters may have derived from pectinid-like Pseudomonotidae of the Triassic (Newell & Boyd 1970), but Waller (1978) considers their origin much earlier, and emended the Order Ostreoida to include the Plicatulacea, Dimyacea as well as the Ostreacea. Yonge (1975, 1977b) associated the Dimyidae with the Plicatulidae on the basis of ligamental structure and proposed the superfamily Plicatulacea. According to Waller (1978) scanning electron microscopy does not substantiate these conclusions and the taxa should not be merged in a common superfamily. The final superfamily in this taxon is the Anomiacea, a small group of curiously modified and specialised molluscs, including the bivalve 'limpet' *Enigmonia*. Yonge (1977a) reviewed the morphology and evolution of the group, reaching conclusions in agreement with Waller (1978), but segregated the Indo-Pacific *Placuna* together with the west American *Placunanomia* in a separate family.

The subclass Heterodonta first appeared in the Devonian and is certainly polyphyletic. It includes two living orders, The Veneroidea and the Myoidea, but as relationships are so poorly known, divisions are made at the superfamily level, though it is possible some groups deserve suborder or perhaps, ordinal, status. The Veneroidea comprises the largest and most diverse group of living Bivalvia, though derivable from a common ancestral actinidont stock, hinge and anatomical details support its division into at least three major groups, accorded subordinal rank by Korobkov (1954) and ordinal status by Neveeskaya *et al.* (1971). In my arrangement the superfamily Lucinacea is used for a well-defined group that has generally reverted to the presumed primitive anterior inhalant opening. The superfamily Carditacea con-

tains several families with little variability of shell ultrastructure (Taylor *et al.* 1973) and a basic common pattern of dentition; also included are the chamids, thought at one time to have descended from rudists, but now considered to arise from the Carditacea (Kennedy *et al.* 1970). The dentition of juvenile chamids is typically heterodont, but is replaced in the adult with large tubercles (Bernard 1976). The similarity of the Carditacea to the Crassatellacea was pointed out by Yonge (1969), but attributed to convergence by Boyd & Newell (1968), though, purely on the basis of the ligament, Yonge (1978) combined the Carditacea and Astartacea into the superfamily Crassatellacea. Boyd & Newell (1968) clearly demonstrated the distinction of the astartid and crassatellid lines in the Palaeozoic and that only recently have the two converged. I propose erection of the superfamily Astartellacea to include the extant astartids, which probably originated in the Lower Devonian through such forms as *Eodon* and *Prosocoelus* (Morris 1978), while crassatellaceans originated in the Permian.

The Tellinacea comprises one of the largest superfamilies with many members adapted to a wide variety of predominantly shallow water infaunal habitats. Davies (1935) suggested that Solenaceans may be descended from Cretaceous tellinids; however, shell ultrastructure has more in common with the mactrids. The superfamily Dreissenacea is included as shell valves are frequently encountered near river mouths, and though some species are definitely brackish water inhabitants, the group is essentially fresh water. Because of their mytilid appearance, relationships have been obscure, but shell structure is close to that of the Corbiculacea and transitional forms between the two have been identified (Morton 1970). The Veneracea may be derived from Devonian Carditacea (Morris 1967), or perhaps crassatellaceans (Stanley, 1968), and Yonge (1969) commented on the similarity between these and the Carditacea, however, all may be attributable to a common origin from the cyrtodontacea.

The order Myoidea probably represents a single phylogeny from at least the Carboniferous. There are several conchological characters common to the Ordovician pholadomyids, possibly attributable to convergence. The Myoidea can be divided into well-defined natural suborders, the nestling or infaunal Myoidea and the highly modified burrowing Pholadina.

The evolution and status of the subclass Anomalodesmata was reviewed by Runnegar (1974). It is a widespread group but sparsely distributed and contains some of the rarest Bivalvia. It arose in the Middle Ordovician (Pojeta 1971), and, while the Palaeozoic representatives were classed as primitive, later and living species are considered highly evolved. Though long distinct, there exist similarities to the Myoidea, attributable to convergence (Runnegar 1974). I follow accepted systematic arrangements for the group, but have proposed a new grouping for the so called 'septibranchs'.

The small group of carnivorous bivalves usually called septibranchs and presently included in the superfamily Poromyacea, has a dual origin. Yonge (1928) first expressed the view that they could be descended from protobranch

ancestors, and Purchon (1963) supported the hypothesis on the basis of stomach anatomy. Both these authors based their views on dissections of *Cuspidaria* and *Poromya* only. The observation that verticordiids are clearly related to *Lyonsia* and *Entodesma* led most authors to consider the septibranchs an evolutionary sequence from the typical eulamellibranch anomalodesmatans through verticordiids showing progressive reduction of the gill and stomach, to the 'perfected' condition in the entirely abranchiate cuspidariids and poromyids. Bernard (1974) examined the stomachs of several verticordiids, and the anatomys of other species were recorded by Allen & Turner (1974). It is evident the stomach is derived from the pholadomyan archetype and approximated the cuspidariid condition by convergence due to adaptation to carnivorous macropagous behavior. Bernard (1974) summarised the differences between verticordiids, cuspidariids, and poromyids and concluded the latter two are quite distinct from the former. This interpretation is supported by the conchological investigations of Taylor *et al.* (1973), who found the shell microstructure to be different. The paleontological record also supports separation, as the verticordiids only extend to the Pliocene, while cuspidariids are at least Triassic, and poromyids occur in the Cretaceous. It is concluded the Verticordiacea is a superfamily which represents a late adaptation of typical pandoraceans to carnivorous nutrition.

Cuspidariids, on the other hand, arose much earlier, probably from pholadomyan stock, before the Triassic as suggested by Cox (1960), possibly from the Permian Edmondiaacea. They form a cohesive group, all with seven siphonal tentacles and usually four pairs of septal ostia. The hinge is plastic, particularly in the presence of tubercles, and the insertion of the septal muscles is highly specific according to Knudsen (1967). The hinge and other features of poromyids are distinct (Yonge & Morton 1980) and support separation of the taxon at least at the superfamily level. It is conceivable that cuspidariids and poromyids did not originate from a stock with developed gills, but the septum developed in gill-less deposit-feeding Bivalvia with pallial structure similar to the Siliculidae or Pristiglomidae. The later are both protobranchs, but it is significant to note that the earliest extinct anomalodesmaceans were similar to, and classified with, the paleotaxodonts (Newell 1965). This may also account for some of the affinities of the two groups.

Though the lack of relationship between verticordiids, poromyids and cuspidariids is widely recognized (Neveskaya *et al.* 1971, Runnegar 1974, Bernard 1974, 1979, Salvini-Plawen 1980), adherents to the gradual gill hypotrophy from typical eulamellibranch to the gill-less condition, still exist and most recently supported by the work of Allen & Turner (1974) on verticordiid anatomy and Yonge & Morton (1980) on hinge structure. The question will only be satisfactorily resolved by comparative organogenic and embryological studies.

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A record of the many kindnesses I have received from colleagues over the years this catalogue has been in preparation would require a sizeable file and individual acknowledg-

ments substantially increase its length. I would, therefore, express my obligation and deep appreciation to all those who so freely helped, particularly those who obtained articles for me using cryptic and skeletal references. My appreciation is also extended to the curators and staff of the following institutions who permitted me to view their holdings and were most generous with assistance and advice.

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COLLECTIONS CONSULTED

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United States Geological Survey, Menlo Park.
United States National Museum, Washington.
Universitetets Zoologiske Museum, Copenhagen.
Zoologica Museum, Oslo.

ABBREVIATIONS

auctt. auctorum of authors, not as proposed originally.
emend change in concept of suprageneric taxon.
ex taken from.
lapsus. lapsus calami error in spelling.
MS manuscript unpublished work.
nom. cons. nomen conservandum otherwise unacceptable name preserved by ICZN.
nom. correct. nomen correctum valid correction of a suprageneric taxon.
nom. dub. nomen dubium an uncertain name.
nom. emend. nomen emendatum major change of status
nom. inq. nomen inquirendum doubtful name requiring elucidation
nom. nov. nomen novum replacement for a preoccupied name

nom. nud. nomen nudum technically unacceptable name

nom. null. nomen nullum invalid accidental change of name

nom. oblit. nomen oblitum name unused in the literature for more than 50 years

nom. transl. nomen transliteratum valid change of a name

nom. van. nomen vanus invalid intentional change of name

enom. binom. invalid, not binominal.

part. pro parte in part

preoc. preoccupied invalid name due to previous use

pro. in place of

s.l. sensu lato. in the broad sense

s.s. sensu stricto. in the narrow sense

sp. ind. species indeterminata species not identifiable from original description

OUTLINE OF CLASSIFICATION

Class Bivalvia	9		24
Subclass Cryptodonta	9	Subfamily Lophinae	24
Order Solemyoidea	9	Superfamily Dimyacea	24
Superfamily Solemyacea	9	Family Dimyidae	24
Family Solemyidae	9	Superfamily Plicatulacea	24
Superfamily Nucinellacea	9	Family Plicatulidae	24
Family Nucinellidae	9	Suborder Pectinina	24
Subclass Palaeotaxodonta	9	Superfamily Pectinacea	24
Order Nuculoida	9	Family Pectinidae	24
Superfamily Nuculacea	9	Subfamily Chlamydinae	24
Family Nuculidae	9	Subfamily Camptonectinae	25
Superfamily Nuculanacea	10	Subfamily Pectininae	26
Family Siliculidae	10	Subfamily Patinopectininae	27
Family Sareptidae	10	Family Propeamussidae	27
Family Malletiidae	10	Subfamily Propeamussinae	27
Family Tindariidae	11	Family Spondylidae	27
Family Nuculanidae	11	Superfamily Anomiacea	27
Family Spinulidae	13	Family Anomiidae	27
Family Yoldiidae	13	Family Placunidae	28
Subclass Pteriomorpha	14	Subclass Heterodonta	28
Order Arcoida	14	Order Veneroida	28
Superfamily Arcacea	14	Superfamily Lucinacea	28
Family Arcidae	14	Family Lucinidae	28
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Subfamily Anadarinae	15	Subfamily Myrteinae	29
Subfamily Striarcinae	16	Subfamily Milthininae	29
Family Noetiidae	16	Subfamily Divaricellinae	29
Subfamily Noetiinae	16	Family Thyasiridae	29
Family Philobryidae	16	Subfamily Thyasirinae	29
Superfamily Limopsacea	16	Subfamily Axinopsidinae	29
Family Limopsidae	16	Family Ungulinidae	30
Superfamily Glycymeridacea	17	Family Cyrenoididae	30
Family Glycymerididae	17	Superfamily Galeommatacea	30
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Order Mytiloida	17	Family Kelliidae	30
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Family Mytilidae	17	Subfamily Borniinae	31
Subfamily Mytilinae	17	Family Lasaeidae	31
Subfamily Modiolinae	19	Subfamily Lasaeinae	31
Subfamily Crenellinae	20	Subfamily Erycininae	31
Subfamily Lithophaginae	21	Family Leptonidae	31
Order Pterioidea	21	Family Montacutidae	32
Suborder Pteriina	21	Subfamily Montacutinae	32
Subfamily Pteriacea	21	Subfamily Mysellinae	32
Family Pteriidae	21	Subfamily Orbitellinae	32
Family Isognomonidae	21	Subfamily Thecodontinae	33
Family Vulsellidae	22	Subfamily Cyamiacea	33
Suborder Pinnina	22	Family Cyamiidae	33
Superfamily Pinnacea	22	Family Perrierinidae	33
Family Pinnidae	22	Family Sportellidae	33
Order Limoida	22	Family Neoleptonidae	33
Superfamily Limacea	22	Superfamily Chlamydoconchacea	33
Family Limidae	22	Family Chlamydoconchidae	33
Order Ostreoida	23	Superfamily Carditacea	33
Suborder Ostreina	23	Family Carditidae	33
Superfamily Ostreacea	23	Subfamily Carditinae	33
Family Ostreidae	23	Subfamily Carditesinae	33
Subfamily Ostreinae	23	Subfamily Carditamerinae	34
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Subfamily Condylordiinae	35	Subfamily Venerinae	50
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Family Chamidae	35	Subfamily Chioninae	51
Superfamily Crassatellacea	36	Subfamily Meretricinae	53
Family Crassatellidae	36	Subfamily Pitarinae	54
Subfamily Crassatellinae	36	Subfamily Tapetinae	55
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Superfamily Astartacea	36	Subfamily Cyclininae	56
Family Astartidae	36	Subfamily Gemminae	56
Subfamily Astartinae	36	Family Turtoniidae	56
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Family Cardiidae	37	Order Myoida	57
Subfamily Cardiinae	37	Suborder Myina	57
Subfamily Trachycardiinae	37	Superfamily Myacea	57
Subfamily Fraginae	38	Family Myidae	57
Subfamily Protocardiinae	38	Subfamily Myinae	57
Subfamily Laevicardiinae	38	Subfamily Cryptomyinae	58
Subfamily Clinocardiinae	38	Subfamily Spheniinae	58
Superfamily Mactracea	39	Family Corbulidae	58
Family Mactridae	39	Subfamily Corbulinae	58
Subfamily Mactrinae	39	Family Spheniopsidae	59
Subfamily Lutrariinae	40	Superfamily Gastrochaenacea	59
Subfamily Pteropsellinae	40	Family Gastrochaenidae	59
Subfamily Zenatiinae	41	Superfamily Hiatellacea	59
Family Mesodesmatidae	41	Family Hiatellidae	59
Subfamily Mesodesmatinae	41	Suborder Pholadina	60
Subfamily Erviliinae	41	Superfamily Pholadacea	60
Superfamily Solenacea	41	Family Pholadidae	60
Family Solenidae	41	Subfamily Pholadinae	60
Family Cultellidae	41	Subfamily Martesiinae	60
Superfamily Tellinacea	41	Subfamily Jouannetiinae	61
Family Tellinidae	41	Family Xylophagaidae	61
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Subfamily Macominae	44	Subfamily Teredininae	61
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Family Dreissenidae	49	Family Lyonsiidae	63
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Family Gaimardiidae	49	Family Thraciidae	64
Superfamily Arctiacea	49	Family Periplomatidae	64
Family Trapeziidae	49	Family Laternulidae	65
Family Bernardinidae	49	Superfamily Verticordiacea	65
Family Kelliellidae	49	Family Verticordiidae	65
Superfamily Glossacea	50	Order Septibranchida	65
Family Vesicomysidae	50	Superfamily Poromyacea	65
Superfamily Corbiculacea	50	Family Poromyidae	65
Family Corbiculidae	50	Superfamily Cuspidariacea	65
Superfamily Veneracea	50	Family Cuspidariidae	65

SYSTEMATIC CATALOGUE

Class Bivalvia Linné, 1758.

ex Buananni, 1681. = Acephele Cuvier, 1798; Lamellibranchiata Blainville, 1824; Pelecypoda Goldfuss, 1820.

Subclass Cryptodonta Neumayr, 1884.

nom. transl. et correct. Newell, 1965 ex Cryptodonten.

Order SOLEMYOIDA Dall, 1889.

nom. transl. et correct. Newell, 1965 ex Solenomyacea.

Superfamily SOLEMYACEA H. Adams & A. Adams, 1857.

nom. transl. Dall, 1895 ex Solemyida.

Family Solemyidae Gray, 1840.

nom. correct. H. Adams & A. Adams, 1857 ex Solenomyadae.

Genus *Acharax* Dall, 1908.

Acharax johnsoni (Dall, 1891).

Solemya johnsoni Dall, 1891: 189; *S. agassizii* Dall, 1908a: 2 nom. nud.; 1908c: 218, 365, pl. 16, f. 10; *S. tokunagai* Yokoyama, 1925a: 31, pl. 6, f. 1-2; *S. (Acharax) tibai* Kuroda, 1948: 29, f. 2.

Northwest Pacific

12S-57N: 22N 800-3000 m. +1° +9°C Recent.

Genus *Solemya* Lamarck, 1818.

Subgenus *Solemya s.s.*

Solemya reidi Bernard, 1980.

Solemya (Solemya) reidi Bernard, 1980: 19, f. 1,4; part. *S. panamensis* auctt. not Dall, 1980.

34N-58N: 46N 40-600 m. -1° 13°C Recent.

Subgenus *Petrasma* Dall, 1908.

Solemya antarctica Philippi, 1887.

Solenomya antarctica Philippi, 1887: 186, pl. 42, f. 5.

50S 40 m. +3° +11°C Miocene.

Solemya panamensis Dall, 1908.

Solemya panamensis Dall, 1908a: 2 nom. nud.; 1908c: 219, 366.

9N-16N: 12N 20-80 m. +13° +30° Recent.

Solemya valvulus Carpenter, 1864.

Solenomya valvulus Carpenter, 1864b: 311; part. *S. occidentalis* auctt. not Deshayes, 1857 (Atlantic); part *Solemya velum* auctt. not Say, 1877 (Atlantic).

21N-33N: 27N 2-400 m. +13° +31°C Pleistocene.

Superfamily NUCINELLACEA Vokes, 1956.

Family Nucinellidae Vokes, 1956.

Genus *Huxleyia* A. Adams, 1860.

Huxleyia munita (Dall, 1898).

Cyrella munita Dall, 1898: 602 (Carpenter MS); *Nucula petriola* Dall, 1916a: 9 nom. nud.; 1916b: 395.

33N-45N: 39N. 150-600 m. +5° +16°C. Pliocene.

Genus *Nucinella* Wood, 1851.

Nucinella subdola (Strong & Hertlein, 1937).

Pleurodon subdolos Strong & Hertlein, 1937: 162, pl. 35, f. 14, 18, 19.

23N-28N: 25N. 5-30 m. +17° 29°C Recent.

Subclass Palaeotaxodonta Korobkov, 1954.

Order NUCULOIDA Dall 1889.

nom. transl. et correct. Newell, 1965 ex Nuculacea.

Superfamily Nuculacea Gray, 1824.

nom. transl. Dall, 1889 ex Nuculidae.

Family NUCULIDAE Gray, 1824.

Genus *Acila* H. Adams & A. Adams, 1858.

Subgenus *Acila s.s.*

Acila divaricata (Hinds, 1843).¹

Nucula divaricata Hinds, 1843c: 97 not Conrad, 1848 not Valenciennes in Petit-Thouars, 1846; *N. mirabilis* Adams & Reeve in Adams, 1850: 75, pl. 21, f. 9.

Japan

Subgenus *Truncacila* Grant & Gale, 1931.

Acila castrensis (Hinds, 1843).

Nucula castrensis Hinds, 1843c: 98; *N. divaricata* Conrad, 1848: 432, f. 1a, b, not Hinds, 1843 not Valenciennes in Petit-Thouars, 1846; *N. lyallii* Baird, 1863b: 71; *Acila empirensis* Howe, 1922: 96, pl. 9, f. 4,5,8. 28N-57N: 42N 5-200 m. +3° +26°C Miocene.

Genus *Nucula* Lamarck, 1799.

Subgenus *Nucula s.s.*

Nucula chrysocoma Dall, 1908.

Nucula chrysocoma Dall, 1908c: 219, 370, pl. 18, f. 3,4.

7S-45N: 19N 750-3900 m. +2° +8°C Recent.

Nucula declivis Hinds, 1843.

Nucula declivis Hinds, 1843c: 98.

4S-31N: 13N 5-10 m. +10° +31°C Pliocene.

Nucula interflucta Marinovich, 1973.

Nucula (Nucula) interflucta Marinovich, 1973: 7, f. 1.

20S Intertidal +16° +24°C Recent.

Nucula iphigenia Dall, 1896.

Nucula iphigenia Dall, 1896a: 15; *N. iphigenia azulensis* Olsson, 1942:

24, pl. 4, f. 2, 5, 7.

8N 475 m. +8° +25°C Pleistocene.

Nucula profundorum E. A. Smith, 1885.

Nucula profundorum E. A. Smith, 1885: 229, pl. 18, f. 13, a.

36N (178E) 3800 m. +2°C Recent.

Nucula schencki Hertlein & Strong, 1940.

Nucula (Nuculopsis) schencki Hertlein & Strong, 1940: 384, pl. 1, f. 8-10.

16N-29N: 23N 10-45 m. +13° +31°C Recent.

Nucula striata King & Broderip, 1832.

Nucula striata King & Broderip, 1832: 337 not Lamarck, 1805 not Sowerby, 1833. Magellanic. nom. dub.

Nucula taeniolata Dall, 1908.

Nucula taeniolata Dall, 1908c: 219, 368, pl. 7, f. 3, 5.

17N 900 m. +5° +9°C Recent.

Sensu lato.

Nucula agujana Dall, 1908.

Nucula agujana Dall, 1908c: 219, 370, pl. 10, f. 6, 7.

6S 1900 m. +2° +3°C Recent.

Subgenus *Lamellinucula* Schenck, 1944.

Nucula carlottensis Dall, 1897.

Nucula carlottensis Dall, 1897a: 6, pl. 1, f. 15, 16.

33N-55N: 44W 800-2200 m. +2° +9°C Recent.

Nucula darella Dall, 1916.

Nucula darella Dall, 1916b: 394.

23N-48N: 36N 1500-2600 m. +1° +3°C Recent.

Nucula exigua Sowerby, 1833.

Nucula exigua Sowerby, 1833: 198; *N. supradiata* Carpenter MS.

4S-28N: 12N 50-200 m. +10° +27°C Pliocene.

Nucula paytensis A. Adams, 1856.

Nucula paytensis A. Adams, 1956: 51.

5S depth unknown Recent.

Subgenus *Leionucula* Quenstedt, 1930.

Nucula bellotii A. Adams, 1856.

Nucula bellotii A. Adams, 1856: 51; part. *Arca tenuis* auctt. not Monta-

gu, 1808 (Atlantic); *Nucula inflata* Hancock, 1846: 333, pl. 5, f. 13, 14 not Sowerby, 1827 not Wissman & Münster, 1841; *N. expansa* Reeve in Belcher, 1855: 397, pl. 33, f. 2 not Wissman & Münster, 1841 not Bronn, 1848; *N. tenuis typica* G. O. Sars, 1878: 34.

Panarctic and circumboreal.

60N–72N: 66N 10–2500 m. -1° +6°C Pleistocene.

Nucula cardara Dall, 1916.

Nucula cardara Dall, 1916a: 9 *nom. nud.*; 1916b: 394.
23N–48N: 36N 1600–2600 m. $+2^{\circ}$ +3°C Recent.

Nucula colombiana Dall, 1908.²

Nucula colombiana Dall, 1908c: 219, 371.
9S–17S: 13S 45–120 m. $+10^{\circ}$ +29°C Pleistocene.

Nucula grayi Orbigny, 1846.

Nucula grayi Orbigny, 1846: 625; *N. obliqua* Sowerby, 1833: 5, pl. 16, f. 21 not Lamarck, 1819, not Say, 1820; *part. N. savatieri* *auctt.* not Mabilille & Rochebrune in Rochebrune & Mabilille, 1889; *N. tanneri* Dall, 1908c: 219, 367.
43S–54S: 49S 300–700 m. $+2^{\circ}$ +13°C Recent.

Nucula linki Dall, 1916.³

Nucula linki Dall, 1916a: 9 *nom. nud.*; 1916b: 394.
28N–34N: 31N 45–150 m. $+5^{\circ}$ +31°C Recent.

Nucula panamina Dall, 1908.⁴

Nucula panamina Dall, 1908c: 219, 368, pl. 6, f. 11.
6N 3000 m. 2°C Recent.

Nucula quirica Dall, 1916.

Nucula quirica Dall, 1916a: 9 *nom. nud.*; 1916b: 394; *part. Arca tenuis* *auctt.* not Montagu, 1808 (Atlantic); *Leda cancellata* *auctt.* not Jeffreys, 1876 (Atlantic); *part. N. bellotii* *auctt.* not A. Adams, 1856.
58N–60N: 59N 100–225 m. -1° +18°C Recent.

Nucula puelcha Orbigny, 1842.

Nucula puelcha Orbigny, 1842: 162; *N. uruguayensis* E. A. Smith, 1880b: 320 not Marshall, 1929; *N. savatieri* *auctt.* not Mabilille & Rochebrune in Rochebrune & Mabilille, 1889; *N. pigafettae* Dall, 1908c: 219, 368; *N. felipponei* Marshall, 1929: 6, pl. 4, f. 10–12.

South Atlantic

47S–55S: 51S 400–800 m. 0° +7°C Recent.

Nucula tenuis (Montagu, 1808).

Arca tenuis Montagu, 1808: 56, pl. 29, f. 1; *Nucula tenuis lucida* Whiteaves, 1887: 120.

Circumboreal

28°N–62N: 45N 5–300 m. $+1^{\circ}$ +16°C Pleistocene.

Subgenus *Linucula* Marwick, 1931.

Nucula crenulata A. Adams, 1856.

Nucula crenulata A. Adams, 1856: 52; ? *N. culebrensis* E. A. Smith, 1885: 228, pl. 8, f. 11, a.

South Atlantic

45S–54S: 50S 800–1300 m. 0° +7°C Recent.

Nucula fernandensis Villarroel, 1971.

Nucula (Nucula) fernandensis Villarroel, 1971: 161, pl. 1, f. 1, a, 2, b.
34S 220 m. $+9^{\circ}$ +19°C Recent.

Nucula pisum Sowerby, 1833.

Nucula pisum Sowerby, 1833: 198 not T. Brown, 1845; *N. semiornata* Orbigny, 1846: 624, pl. 84, f. 27–29.

South Atlantic

33S–55S: 44S 10–100 m. $+1^{\circ}$ +20°C Pliocene.

Superfamily NUCULANACEA H. Adams & A. Adams, 1858.

Family Siliculidae Allen & Sanders, 1973.

Genus *Silicula* Jeffreys, 1879.

Silicula fragilis Jeffreys, 1880.

Silicula fragilis Jeffreys, 1880: 574, pl. 45, f. 6, a.
Magellanic? Recent.

Silicula patagonica Dall, 1908.

Phaseolus (Silicula) patagonicus Dall, 1908c: 220, 392.
51S 223 m. $+2^{\circ}$ +8°C Recent.

Family Sareptidae A. Adams, 1860

nom. transl. Neveeskaya, Scariato, Starobogatov, & Ebersin, 1971.

Genus *Sarepta* A. Adams, 1860

Sarepta abyssicola E. A. Smith, 1885.

Sarepta abyssicola E. A. Smith, 1885: 242, pl. 20, f. 6a, b.
22S(150W), 36N(178E) 3750–3450 m. 1°C Recent.

Sarepta hoylei (E. A. Smith, 1885).

Yoldia hoylei E. A. Smith, 1885: 320, text-f.
35N(169E) 5300 m. 1°C Recent.

Family Mallettidae H. Adams & A. Adams, 1858.

nom. correct. McAlester, 1969 *pro* Mallettidae Bellardi, 1875.

Genus *Malletia* Moulins, 1832.

Subgenus *Malletia s.s.*

Malletia chilensis Moulins, 1832.

Malletia chilensis Moulins, 1832: 85, pl. 1, f. 1–8; *Solenella norrissii* Sowerby, 1832: 197; *Ctenoconcha nuculoides* Valenciennes in Petit-Thouars, 1846: pl. 24, f. 2; *Solenella subequalis* Sowerby, 1870: 250, pl. 21, f. 5; *Malletia inequalis* Dall, 1908c: 219, 383.

South Atlantic

30S–54S: 42S 100–400 m. $+1^{\circ}$ +20°C Recent.

Malletia faba Dall, 1897.

Malletia faba Dall, 1897a: 10, pl. 2, f. 10.
23N–53N: 38N 900–1600 m. $+2^{\circ}$ +10°C Recent.

Malletia goniura Dall, 1890.

Malletia goniura Dall, 1890a: 251, pl. 10, f. 10.
1N–7N: 4N 1350–3050 m. $+2^{\circ}$ +8°C Recent.

Malletia magellanica E. A. Smith, 1881.

Malletia magellanica E. A. Smith, 1881: 39, pl. 5, f. 3, a; *M. hyadesi* Mabilille & Rochebrune in Rochebrune & Mabilille, 1889: 114, pl. 7, f. 8.

South Atlantic

50S depth unknown Recent.

Malletia patagonica Mabilille & Rochebrune, 1889.

Malletia patagonica Mabilille & Rochebrune in Rochebrune & Mabilille, 1889: 114, pl. 8, f. 1.
53S–55S: 54S 400–600 m. 0° +5°C Recent.

Malletia peruviana Dall, 1908.

Malletia peruviana Dall, 1908c: 219, 384, pl. 10, f. 3, 4.
6S 1900 m. $+2^{\circ}$ +3°C Recent.

Malletia talama Dall, 1916.

Malletia talama Dall, 1916a: 13 *nom. nud.*; 1916b: 400 (*Minormalletia*).
44N–55N: 55N 1000–3250 m. $+2^{\circ}$ Recent.

Malletia truncata Dall, 1908.

Malletia truncata Dall, 1908c: 219, 384, pl. 17, f. a.
3N–55N: 29N 2700–3900 m. $+1^{\circ}$ +2°C Recent.

Subgenus *Malletiella* Soot-Ryen, 1957.

Malletia cumingii (Hanley, 1860).

Solenella cumingii Hanley, 1860b: 441.

South Atlantic

54S 25–210 m. $+2^{\circ}$ +8°C Recent.

Malletia pacifica Dall, 1897.

Malletia pacifica Dall, 1897a: 11, pl. 2, f. 11.
34N–56N: 45N 400–2900 m. $+1^{\circ}$ +9°C Recent.

Malletia sorrar Soot-Ryen, 1957.

Malletia sorrar Soot-Ryen, 1957a: 2; 1959: 18, pl. 1, f. 4, 5. (redescription)
38S 1240 m. $+2^{\circ}$ Recent.

Subgenus *Minormalletia* Dall, 1908.

- Malletia arciformis* Dall, 1908.
Malletia (Minormalletia) arciformis Dall, 1908c: 219, 385, pl. 15, f. 5, 6.
 17N 900 m. +4° +8°C Recent.
- Malletia benthima* Dall, 1908.
Malletia (Minormalletia) benthima Dall, 1908c: 219, 386, pl. 15, f. 1, 2.
 17N 900 m. +4° +8°C Recent.
- Malletia koltzoffi* (Hägg, 1904).⁵
Portlandia koltzoffi Hägg, 1904: 12, pl. 1, f. 1-3; *M. flora* Dall, 1916a: 13 nom. nud.; 1916b: 400.
 North Atlantic and Arctic
 6N-72N: 39N 2200-3600 m. +1° +2°C Recent.
- Family Tindariidae Scarlato & Starobogatov in Nevesskaya *et al.*, 1971.
 Genus *Saturnia* Seguenza, 1877.
 Subgenus *Saturnia s.s.*
- Saturnia brunnea* (Dall, 1916).
Tindaria brunnea Dall, 1916a: nom. nud.; 1916b: 401.
 45N-55N: 50N 2500-3700 m. +1° +2°C Recent.
- Saturnia californica* (Dall, 1916).⁶
Tindaria californica Dall, 1916a: 13 nom. nud.; 1916b: 100.
 34N 50 m. +8° +26°C Recent.
- Saturnia cervola* (Dall, 1916).
Tindaria cervola Dall, 1916a: nom. nud.; 1916b: 402.
 33N-48N: 41N 2000-2550 m. +2° +3°C Recent.
- Saturnia kenneerlyi* (Dall, 1897).
Malletia (Tindaria) kenneerlyi Dall, 1897a: 11, pl. 2, f. 9.
 33N-57N: 45N 700-1500 m. -1° +4°C Recent.
- Saturnia lucasana* (Strong & Hertlein, 1937).
Nuculana lucasana Strong & Hertlein, 1937: 160, pl. 34, f. 9, 12, 13.
 23N 37-400 m. +10° +28°C Recent.
- Saturnia lobula* (Dall, 1908).
Leda (Jupiteria) lobula Dall, 1908c: 219, 375.
 17N 260 m. +10° +26°C Recent.
- Saturnia martiana* (Dall, 1916).
Tindaria martiana Dall, 1916a: 13 nom. nud.; 1916b: 401.
 34N 2013 m. +2°C Recent.
- Saturnia ritleri* (Dall, 1916).
Tindaria ritleri Dall, 1916a: nom. nud.; 1916b: 401.
 33N 536 m. +4° +10°C Recent.
- Genus *Tindaria* Bellardi, 1875.
Sensu lato.
- Tindaria atossa* Dall, 1908.
Tindaria atossa Dall, 1908c: 220, 388, pl. 15, f. 3, 4.
 7N 2350 m. +1°C Recent.
- Tindaria compressa* Dall, 1908.
Tindaria compressa Dall, 1908c: 219, 387, pl. 15, f. 7, 8, pl. 17, f. 15, 16.
 6N-44N: 25N 2500-4080 m. +1° +2°C Recent.
- Tindaria dicofania* Dall, 1916.
Tindaria dicofania Dall, 1916a: 13 nom. nud.; 1916b: 401.
 33N-48N: 40N 1600-2500 m. +1° +3°C Recent.
- Tindaria mexicana* Dall, 1908.
Tindaria mexicana Dall, 1908c: 220, 389, pl. 17, f. 11, 14.
 17N-33N: 25N 1200-2000 m. +1° +2°C Recent.
- Tindaria panamensis* Dall, 1908.
Tindaria panamensis Dall, 1908c: 219, 388, pl. 17, f. 10, 12.
 7N-48N: 28N 2350-2850 m. +1° +2°C Recent.
- Tindaria smirna* Dall, 1908.
Tindaria smirna Dall, 1908c: 220, 389, pl. 17, f. 6, 7.
 6N 3060 m. +2°C Recent.
- Tindaria sulcata* (Gould, 1852).
Nucula sulcata Gould, 1852: 434 (Couthouy MS); *Leda lugubris* A. Adams, 1856: 49; *L. orangica* Mabilite & Rochebrune in Rochebrune & Mabilite, 1899: 113, pl. 8, f. 3.
 South Atlantic
 54S-56S: 55S 35-185 m. +1° +8°C Recent.
- Tindaria virens* (Dall, 1890).
Malletia (Tindaria) virens Dall, 1890a: 254, pl. 13, f. 3; *Yoldia (Yoldiella) infrequens* Dall, 1908c: 219, 381.
 49S-52S: 51S 220-650 m. +2° +11°C Recent.
- Family Nuculanidae H. Adams & A. Adams, 1858.
 Genus *Adrana* H. Adams & H. Adams, 1858.
- Adrana crenifera* (Sowerby, 1833).
Nucula crenifera Sowerby, 1833:197; *Laeda arcuata* Sowerby in Reeve, 1871: 18 *Laeda* pl. 4, sp. 20.
 14S-17N: 2N 2-50 m. +13° +31°C Recent.
- Adrana cultrata* Keen, 1958.
Adrana cultrata Keen, 1958: 240, 211; *Nucula elongata* Sowerby, 1833: 197 not Bosc, 1801 not Defrance, 1825.
 1S-17N: 8N 20-30 m. +10° +31°C Recent.
- Adrana exoptata* (Pilsbry & Lowe, 1932).
Leda (Adrana) exoptata Pilsbry & Lowe, 1932: 107, pl. 17, f. 8, 9.
 1N-28N: 14N 5-55 m. +13° +30°C Recent.
- Adrana penascoensis* (Lowe, 1935).
Leda penascoensis Lowe, 1935: 18, pl. 1, f. 8; part. *Yoldia electra* auctt. not A. Adams, 1846 (Atlantic).
 28N-31N: 30N 10-20 m. +23° 31°C Recent.
- Adrana sowerbyana* (Orbigny, 1845).
Leda sowerbyana Orbigny, 1845: 544; *Nucula lanceolata* auctt. not Lamarck, 1819.
 1S-7N: 3N 15-40 m. +13° +29°C Recent.
- Adrana suprema* (Pilsbry & Olsson, 1935).
Nuculana (Adrana) suprema Pilsbry & Olsson, 1935: 117, pl. 6, f. 1.
 7N-22N: 15N 15-20 m. +13° +29°C Recent.
- Adrana taylori* (Hanley, 1860).
Leda taylori Hanley, 1860a: 370.
 14N Depth unknown Recent.
- Adrana tonosiana* (Pilsbry & Olsson, 1935).
Nuculana (Adrana) tonosiana Pilsbry & Olsson 1935: 117, pl. 6, f. 4.
 8N-23N: 16N 25-40 m. +16° +31°C Recent.
- Genus *Ledella* Verrill & Bush, 1897.
- Ledella fiascona* (Dall, 1916).
Leda fiascona Dall, 1916a: 11 nom. nud.; 1916b: 397.
 33N 1504 m. +1° +2°C Recent.
- Genus *Nuculana* Link, 1807.
 Subgenus *Nuculana s.s.*
- Nuculana ambliia* (Dall, 1905).
Leda ambliia Dall, 1905b: 123.
 19N-37N: 28N 450-1050 m. +2° +9°C Recent.
- Nuculana amiata* (Dall, 1916).
Leda amiata Dall 1916a: 10 nom. nud.; 1916b: 395.
 33N-49N: 41N 200-900 m. +2° +14°C Recent.
- Nuculana buccata* (Møller, 1842).
Leda buccata Møller, 1842: 17 (Steenstrup MS) *L. jacksoni* Gould, 1870: 163 f. 469.
 Arctic, Circumboreal
 66N-72N: 69N 10-300 m. -2° +4°C Pleistocene.
- Nuculana conceptionis* (Dall, 1896).
Leda conceptionis Dall, 1896b: 2.
 34N-57N: 46N 300-950 m. 0° +9°C Recent.

- Nuculana gomphoidea* (Dall, 1916).
Leda gomphoidea Dall, 1916a: 11 *nom. nud.*; 1916b: 396.
 44N-45N. 1438-2300 m. +1° +2°C Recent.
- Nuculana lomaensis* (Dall, 1919).
Leda lomaensis Dall, 1919c: 249; *part. Arca minuta auctt.* not Fabricius, 1776.
 33N-48N: 40N 400-700 m. 0° +25°C Recent.
- Nuculana minuta* (Fabricius, 1776).
Arca minuta Müller, 1776: 414 not Brocchi, 1814 not Reeve, 1884.
 Panarctic and North Atlantic
 53N-71N: 62N 20-250 m. -1° +6°C Pleistocene.
- Nuculana pernula* (Müller, 1779).
Arca pernula Müller, 1779: 57 (*pennula nom. null. auctt.*); *Leda rostrata* Schumacher, 1817: 173, pl. 19, f. 4 not Wood, 1825; *Nucula obsoleta* Brown, 1827: 72, pl. 25, f. 17; *N. oblonga* Brown, 1845: 84, pl. 33, f. 17; *Leda pernuloidea* Dunker, 1882: 238; *L. pernula costigera* Leche, 1883: 447, pl. 33, f. 23-25 (Beck MS); *L. pernula lamellosa* Leche, 1883: 448, pl. 33, f. 26.
 Panarctic and circumboreal
 52N-71N: 62N 20-1400 m. -1° +7°C Pliocene.
- Nuculana peruviana* (Dall, 1908).⁷
Leda peruviana Dall, 1908c: 219, 377 not Dall, 1898.
 6S 1830 m. +5° +8°C Recent.
- Nuculana radiata* (Krause, 1885).
Leda pernula radiata Krause, 1885: 23, pl. 3, f. 2a-c.
 Panarctic and Japan.
 63N-71N: 67N 40-60 m. +2° +4°C Pleistocene.
- Nuculana tenuisulcata* (Couthouy, 1838).
Nucula tenuisulcata Couthouy, 1838: 64, pl. 3, f. 8.
 North Atlantic
 57N 45 m. -1° +11°C Recent.
 Subgenus *Costelloleda* Hertlein & Strong, 1940.
- Nuculana costellata* (Sowerby, 1833).
Nucula costellata Sowerby, 1833: 198 (*rostellata nom. null. auctt.*).
 4N-27N: 16N 18-45 m. +11° +30°C Recent.
- Nuculana marella* Hertlein, Hanna & Strong, 1940.
Nuculana (Costelloleda) marella Hertlein, Hanna & Strong, in Hertlein & Strong, 1940: 399, pl. 2, f. 12, 13; *part. Leda cestrota auctt.* not Dall, 1889 (Atlantic).
 8N-29N: 19N 65-75 m. +13° +31°C Recent.
 Subgenus *Jupiteria* Bellardi, 1875.
- Nuculana agapea* (Dall, 1908).
Leda (Jupiteria) agapea Dall, 1908c: 373, pl. 6, f. 4, 5.
 1N-6N: 3N 2870-3050 m. +2° +3°C Recent.
- Nuculana phenaxia* (Dall, 1916).
Leda phenaxia Dall, 1916a: 11 *nom. nud.*; 1916b: 397.
 33N 1500 m. +2°C Recent.
- Nuculana pontonia* (Dall, 1890).
Leda pontonia Dall, 1890a: 257, pl. 13, f. 5b.
 Galapagos Islands
 0-33N: 16N 1450-3050 m. +2° +3°C Recent.
 Subgenus *Politoleda* Hertlein & Strong, 1940.
- Nuculana polita* (Sowerby, 1833).
Nucula polita Sowerby, 1833: 198.
 Galapagos Islands
 9N-14N: 13N 10-75 m. +12° +30°C Recent.
 Subgenus *Sacella* Woodring, 1925.
- Nuculana acrita* (Dall, 1908).
Leda (Jupiteria) acrita Dall, 1908c: 374; *Leda laeviradius* Pilsbry & Lowe, 1932: 106, pl. 17, f. 7.
 1N-31N: 16N 40-70 m. +13° +31°C Recent.
- Nuculana bicostata* (Sowerby, 1871).
Laeda bicostata Sowerby in Reeve, 1871: 18, *Laeda*, pl. 6, sp. 37; *Nuculana (Sacella) dranga* Olsson, 1961: 63, pl. 2, f. 5.
 1N-9N: 5N 5-25 m. +12° +29°C Recent.
- Nuculana callimene* (Dall, 1908).
Leda (Jupiteria) callimene Dall, 1908c: 342, pl. 17, f. 3, 4.
 10N-37N: 23N 180-500 m. +11° +27°C Pliocene.
- Nuculana cellulita* (Dall, 1896).
Leda cellulita Dall, 1896b: 1; *Nuculana kamschatica* Slodkevich, 1938: 85, pl. 7, f. 23a.
 48N-56N: 52N 30-40 m. -1° +14°C Pliocene.
- Nuculana cuneata* (Sowerby, 1833).
Nucula cuneata Sowerby, 1833: 198 not J. Phillips, 1836; ? *Leda inornata* A. Adams, 1856: 48.
 20S 20 m. +14° +26°C Recent.
- Nuculana eburnea* (Sowerby, 1833).
Nucula eburnea Sowerby, 1833: 198; *N. lyrata* Hinds, 1843c: 100.
 4S-13N: 8N 10-120 m. +9° +29°C Pleistocene.
- Nuculana elenensis* (Sowerby, 1833).
Nucula elenensis Sowerby, 1833: 198; *Leda excavata* Hinds, 1843c: 100 not Munster in Goldfuss, 1837; *L. crispa* Hinds, 1843c: 100; *L. elenensis gibbosa* Hanley in Sowerby, 1866: 121 not *Nucula gibbosa* Fleming, 1828, not Sowerby, 1833 not McChesney, 1860; *L. elenensis media* Hanley in Sowerby, 1866: 121; *L. elenensis pyriformis* Hanley in Sowerby, 1866: 121; *L. acapulcensis* Pilsbry & Lowe, 1932: 107, pl. 17, f. 1, 2.
 Galapagos Islands
 6S-29N: 17N 4-85 m. +12° +20°C Pleistocene.
- Nuculana fastigata* Keen, 1958.
Nuculana (Sacella) fastigata Keen, 1958: 240, pl. 31, f. 1, 2. *Nucula gibbosa* Sowerby, 1833: 198 not Fleming, 1828.
 4S-28N: 16N 5-85 m. +7° +31°C Recent.
- Nuculana fossa* (Baird, 1863).
Leda fossa Baird, 1863b: 71; *L. fossa curtulosa* Dall, 1916a: 11 *nom. nud.*; 1916b: 396; *L. fossa sculpta* Dall, 1916a: 1 *nom. nud.*; 1916b: 396; *L. fossa vaginata* Dall, 1916a: 11 *nom. nud.*; 1916b: 396.
 33N-58N: 46N 20-600 m. -1° +14°C Pliocene.
- Nuculana hindsii* (Hanley, 1860).
Leda hindsii Hanley, 1860b: 440; *part. Leda acuta auctt.* not Conrad, 1832 (Atlantic).
 8N-28N: 18N 90-140 m. +9° +30°C Pliocene.
- Nuculana impar* (Pilsbry & Lowe, 1932).
Leda impar Pilsbry & Lowe, 1932: 106, pl. 17, f. 3-6.
 11N-31N: 21N 4-40 m. +10° +31°C Recent.
- Nuculana liogona* (Dall, 1916).
Leda liogona Dall, 1916a: 10 *nom. nud.*; 1916b: 396.
 45N-55N: 50N 1400-2600 m. +1° +3°C Recent.
- Nuculana ornata* (Orbigny, 1845).
Leda ornata Orbigny, 1845: 546, pl. 82, f. 4-6. *L. acuminata* Nelson, 1870: 205 pl. 7 + 8 not Orbigny 1850 (Buch MS); *L. peruviana* Dall, 1988: 579 not Dall, 1908.
 1S-6S: 4S 80-240 m. +11° +29°C Pliocene.
- Nuculana oxia* (Dall, 1916).
Leda oxia Dall, 1916a: 10 *nom. nud.*; 1916b: 395.
 23N-34N: 29N 60-140 m. +8° +30°C Recent.
- Nuculana penderi* (Dall & Bartsch, 1910).
Leda penderi Dall & Bartsch, 1910: 9, pl. 1, f. 3, 4. *part. Nucula acuta auctt.* not Conrad, 1832 (Atlantic); *Nuculana burchi* Willett, 1944b: 71, pl. 14, f. 3; *N. redondoensis* Burch, 1944: 9.
 28N-57N: 43N 22-2200 m. +1° +9°C Pleistocene.

- Nuculana taphria* (Dall, 1896).
Leda taphria Dall, 1896c: 70; *Nucula caelata* Hinds, 1843c: 99 not Conrad, 1833.
 28N–37N: 33N 10–85 m. +6° +29°C Miocene.
 Subgenus *Thestyleleda* Iredale, 1929.
- Nuculana cordyla* (Dall, 1908).
Leda cordyla Dall, 1908c: 219, 375, pl. 6, f. 6, 7.
 1S–7N: 3N 700–1300 m. +5° +28°C Recent.
- Nuculana extenuata* (Dall, 1897).
Leda extenuata Dall, 1897a: 8, pl. 2, f. 2.
 49N–54N: 52N 2000–2900 m. +1° +2°C Recent.
- Nuculana hamata* (Carpenter, 1864).
Leda hamata Carpenter, 1864c: 612, 644; *L. hamata limata* Dall, 1916a: 10 *nom. nud.*; 1916b: 397.
 23N–55N: 39N 35–550 m. +4° +29°C Pliocene.
- Nuculana leonina* (Dall, 1896).
Leda leonina Dall, 1896b: 2.
 38N–54N: 46N 350–800 m. –1° +13°C Recent.
- Nuculana loshka* (Dall, 1908).
Leda loshka Dall, 1908c: 219, 376, pl. 17, f. 2.
 7N 2320 m. +2° +3°C Recent.
- Nuculana navisa* (Dall, 1916).
Leda navisa Dall, 1916a: 10 *nom. nud.*; 1916b: 395.
 38N 350 m. +7° +9°C Recent.
- Nuculana patagonica* (Orbigny, 1846).
Leda patagonica Orbigny, 1846: 544, pl. 82, f. 13; *Nucula lanceolata* Orbigny, 1842: 162 not Sowerby, 1817, not Lamarck, 1819.
 51S–54S: 52S 20–80 m. +2° +8°C Recent.
- Nuculana rhytida* (Dall, 1908).⁸
Leda (Leda) rhytida Dall, 1908c: 219, 376.
 51S 223 m. +7° +9°C Recent.
- Nuculana spargana* (Dall, 1916).
Leda spargana Dall, 1916a: 11 *nom. nud.*; 1916b: 397; *L. austini* Oldroyd, 1935: 13, f. 2.
 33N–59N: 46N 125–585 m. 0° +10°C Recent.
- Family Spinulidae Allen & Sanders 1982.
nom. transl. hercia, ex Spinulinae
- Genus *Spinula* Dall, 1908.
 Subgenus *Spinula s.s.*
- Spinula calcar* (Dall, 1908).
Leda (Spinula) calcar Dall, 1908c: 219, 378, pl. 10, f. 1, 10; *L. (Spinula) calcarella* Dall, 1908c: 219, 378.
 Northwest Pacific
 32S–55N: 12N 4000–5500 m. +1°C Recent.
- Subgenus *Bathyspinula* Filatova, 1958.
- Spinula bogorovi* Filatova, 1958.
Spinula (Bathyspinula) bogorovi Filatova, 1958: 216, f. 5.
 27N(131W) 3528–6600 m. +2°C Recent.
- Spinula oceanica* Filatova, 1958.
Spinula (Bathyspinula) oceanica Filatova, 1958: 213, f. 3, 4.
 50N(159E) 4640–5582 m. +1°C Recent.
- Spinula vityazi* Filatova, 1964.
Spinula vityazi Filatova, 1960: 138 *nom. nud.*; Filatova, 1964: 1866, f. 4 (*Bathyspinula*).
 50N(159E) 7220–7230 m. +1°C Recent.
- Family Yoldiidae Habe, 1977.
nom. transl., herein, ex Yoldiinae.
- Genus *Katadesmia* Dall, 1908.
- Katadesmia gibbsii* (Dall, 1897).
Malletia gibbsii Dall, 1897a: 10, pl. 2, f. 14.
 32N–53N: 43N 1600–2000 m. +1° +2°C Recent.
- Katadesmia vincula* Dall, 1908.
Yoldia (Katadesmia) vincula Dall, 1908c: 219, 379, pl. 5, f. 5.
 6N 589–3050 m. +2° +21°C Recent.
- Genus *Portlandia* Mørch, 1857.
 Subgenus *Portlandia s.s.*
- Portlandia arctica* (Gray, 1824).
Nucula arctica Gray, 1824: 241 not Broderip & Sowerby, 1829; *N. glacialis* Wood, 1828: 45 not Gray, 1825 (Leach *MS*); *N. siliqua* Reeve in Belcher, 1855: 396, pl. 33, f. 4; *Yoldia arctica inflata* Leche, 1883: 445, pl. 33, f. 20–22; *Y. oleacina* Dall, 1916a: 12 *nom. nud.*; 1916b: 398; (*oleagina nom. null.*); *Leda (Portlandia) collinsoni* Dall, 1919b: 19A, pl. 2, f. 3, 4.
 Arctic
 64N–70N: 67N 10–2560 m. –2° +4°C Pleistocene.
- Portlandia dalli* Krause, 1885.
Portlandia dalli Krause, 1885: 27, pl. 3, f. la–c.
 54N–61N: 58N 100–500 m. –1° +6°C Recent.
- Genus *Yoldia* Møller, 1842.
 Subgenus *Yoldia s.s.*
- Yoldia amygdalea* (Valenciennes, 1846).
Nucula amygdalea Valenciennes in Petit-Thouars, 1846: pl. 26, f. 6. (*amygdala nom. nul. auct.*); *Yoldia norvegica* Dautzenberg & Fischer, 1912: 403; *Y. gardneri* Oldroyd, 1935: 14; *Y. hyperborea limatoides* Ockelmann, 1954: 11.
 North Atlantic
 40N–63N: 52N 15–200 m. –1° +12°C Recent.
- Yoldia hyperborea* Torell, 1859.
Yoldia hyperborea Torell, 1859: 142, pl. 2, f. 6a, b (Lovén *MS*); *Nucula glacialis* Wood, 1828: 45, pl. 2, f. 6 not Gray, 1825 (Leach *MS*); *Yoldia arctica* Møller, 1842: 18.
 Panarctic
 60N–71N: 66N 25–360 m. –2° +3°C Pleistocene.
- Yoldia myalis* (Couthouy, 1838).
Nucula myalis Couthouy, 1838: 62; *N. cascoensis* Mighels & C. B. Adams, 1841: 48; *Yoldia vancouverensis* E. A. Smith, 1880: 289.
 Arctic, North Atlantic
 55N–71N: 63N 20–80 m. 0° +7°C Pleistocene.
- Subgenus *Aeqviyoldia* Soot-Ryen, 1951.
- Yoldia eightsii* (Couthouy, 1839).
Nucula eightsii Couthouy in Jay, 1839: 113, pl. 1, f. 12, 13; *Yoldia woodwardi* Hanley in Sowerby, 1860: 140, f. 17, 22.
 South Atlantic
 54S 20–80 m. +2° +8°C Recent.
- Subgenus *Cnesterium* Dall, 1898.
- Yoldia scissurata* Dall, 1897.
Yoldia scissurata Dall, 1897a: 8; *Nucula arctica* Broderip & Sowerby, 1829: 359 not Gray, 1825; *Yoldia ensifera* Dall, 1897a: 9, pl. 2, f. 4; *Y. ensifera plena* Dall, 1908c: 256; *Y. (Cnesterium) strigata* Dall, 1909a: 18, 104, pl. 14, f. 9, a; *Y. kuluntunensis* Slodkevich, 1938: 22, pl. 1, f. 1–4; *Y. kuluntunensis sachalinensis* Slodkevich, 1938: 28, pl. 7, f. 1.
 Northwest Pacific, Arctic
 34N–71N: 53N 15–150 m. –2° +26°C Miocene.
- Yoldia seminuda* Dall, 1871.
Yoldia seminuda Dall, 1871: 153.
 58N–60N: 59N 25–40 m. –1° +10°C Pliocene.
- Subgenus *Kalayoldia* Grant & Gale, 1931.
- Yoldia cooperii* Gabb, 1865.
Yoldia cooperii Gabb, 1865: 189; *Nucula impressa* Conrad in Dana, 1849a: 726, pl. 18, f. 7 not Sowerby, 1842 not Hall in Fremont, 1845;

- Yoldia tenuissima* Clark, 1918: 125, pl. 11, f. 10, pl. 12, f. 8, 14.
28N-40N: 34N 5-40 m. +2° +29°C Miocene.
- Subgenus *Megayoldia* Verrill & Bush, 1897.
- Yoldia beringiana* Dall, 1916.
Yoldia beringiana Dall, 1916a: 11 *nom. nud.*; 1916b: 399.
37N-60N: 49N 600-1950 m. -1° +5°C Pliocene.
- Yoldia martyria* Dall, 1897.⁹
Yoldia martyria Dall, 1897a: 9, pl. 2, f. 15.
45N-60N: 53N 150-200 m. -1° +8°C Recent.
- Yoldia montereyensis* Dall, 1893.
Yoldia montereyensis Dall, 1893: 29.
37N-49N: 43N 270-2150 m. +1° +14°C Recent.
- Yoldia thraciaeformis* (Storer, 1838).
Nucula thraciaeformis Storer, 1838: 222 (*thraciaformis nom. van. auctt.*); *Yoldia multidentata* Khomenko, 1937: 127, pl. 3, f. 3; *Y. secunda* Dall, 1916a: 11 *nom. nud.*; 1916b: 398.
- Circumboreal
- 46N-70N: 58N 25-600 m. -1° +14°C Miocene.
- Subgenus *Orthoyoldia* Verrill & Bush, 1897.
- Yoldia panamensis* Dall, 1908.
Yoldia (Orthoyoldia) panamensis Dall, 1908c: 219, 380; *Y. (Orthoyoldia) quiba* Olsson, 1942: 26, pl. 3, f. 5.
7N 300-1000 m. +5° +21°C Pleistocene.
- Genus *Yoldiella* Verrill & Bush, 1897.
- Subgenus *Yoldiella s.s.*
- Yoldiella capsa* (Dall, 1916).
Yoldia capsa Dall, 1916a: 12 *nom. nud.*; 1916b: 400.
44N-49N: 47N 800-1800 m. +2° +5°C Recent.
- Yoldiella cecinella* (Dall, 1916).
Yoldia cecinella Dall, 1916a: *nom. nud.*; 1916b: 399.
24N 50 m. +26° +32°C Recent.
- Yoldiella chilénica* (Dall, 1908).
Yoldia (Yoldiella) chilénica Dall, 1908c: 219, 380; *Y. (Yoldiella) indolens* Dall, 1908c: 219, 381 (*Yoldie nom. null.*).
48S-52S: 50S 350-850 m. +1° +10°C Recent.
- Yoldiella derjugini* (Gorbunov, 1946).
Tindaria derjugini Gorbunov, 1946: 319, pl. 2, f. 1a, b, pl. 3, f. 3, not *Yoldiella derjugini* Scarlato, 1981: 206, f. 106-109 (Bartsch MS).
- Northwest Pacific, Arctic
- 58N 525-770 m. -1° +4°C Recent.
- Yoldiella dicella* (Dall, 1908).
Yoldia (Yoldiella) dicella Dall, 1908c: 219, 382.
17N-45N: 31N 1000-1200 m. +1° +3°C Recent.
- Yoldiella granula* (Dall, 1908).
Yoldia (Yoldiella) granula Dall, 1908c: 219, 382 (*granulata nom. van. auctt.*).
53S 112 m. +2° +8°C Recent.
- Yoldiella intermedia* (M. Sars, 1865).
Yoldia intermedia M. Sars, 1859: 57 *nom. nud.*; 1865: 38, f. 92-96; *Yoldiella intermedia major* Leche, 1878: 24, pl. 1, f. 5.
- Panarctic.
- 64N-71N: 68N 120-450 m. -2° +2°C Recent.
- Yoldiella lenticula* (Møller, 1842).
Nucula lenticula Møller, 1842: 90, *Yoldia abyssicola* Torell, 1859: 149, pl. 1, f. 4a, b; *Yoldiella lenticula amblii* Verrill & Bush, 1898: 866, pl. 80, f. 9, pl. 81, f. 4; *Portlandia persei* Messjatsjev, 1931: 44.
- Panarctic, North Atlantic
- 63N-71N: 67N 50-350 m. -2° +4°C Pleistocene.
- Yoldiella leonilda* (Dall, 1908).
Yoldia (Yoldiella) leonilda Dall, 1908c: 219, 382.
7N 3060 m. +1°C Recent.
- Yoldiella mantana* (Dall, 1908).
Yoldia (Yoldiella) mantana Dall, 1908c: 219, 381.
1S 733 m. +5° +8°C Recent.
- Yoldiella orcia* (Dall, 1916).
Yoldia orcia Dall, 1916a: 12 *nom. nud.*; 1916b: 399; *part. Y. cecinella auctt. not Dall, 1916.*
33N-54N: 44N 400-1500 m. -1° +10°C Recent.
- Yoldiella prolata* (E. A. Smith, 1885).
Leda prolata E. A. Smith, 1885: 320.
30N(155W) 5398 m. +1°C Recent.
- Yoldiella sanesia* (Dall, 1916).
Yoldia sanesia Dall, 1916a: 12, *nom. nud.*; 1916b: 399.
34N-61N: 47N 200-800 m. -1° +7°C Recent.
- Subclass Pteriomorphia Beurlen, 1944.
nom. transl. Newell, 1965 *ex Pteriomorphia*.
Order ARCOIDA Stoliczka, 1871.
nom. correct. Newell, 1965 *ex Arcacea*.
- Superfamily ARCAEA Lamarck, 1809.
nom. transl. Gill, 1871 *ex arcacees*.
- Family Arcidae Lamarck, 1809.
nom. correct. Broderip, 1839 *pro arcacees*.
- Subfamily Arcinae Lamarck, 1809.
nom. transl. et correct. Stoliczka, 1871 *ex arcacees*.
- Genus *Arca* Linné, 1758.
- Subgenus *Arca s.s.*
- Arca fernandezensis* Hertlein & Strong, 1943.
Arca (Arca) fernandezensis Hertlein & Strong, 1943: 154; *A. angulata* King & Broderip, 1832: 336 not Bruguière, 1792 not Meuschen, 1787.
33S 146 m. +9° +13°C Recent.
- Arca mutabilis* (Sowerby, 1833).
Bysoarca mutabilis Sowerby, 1833: 17; *Arca crossei* Dunker, in Pfeiffer 1870: 136, pl. 45, f. 8-11.
- Clipperton, Galapagos Islands
- 2S-25N: 12N Int-100 m. +12° +32°C Pleistocene.
- Arca pacifica* (Sowerby, 1833).
Bysoarca pacifica Sowerby, 1833: 17; *part. Arca ventricosa auctt. not Lamarck, 1819 (Indo-Pacific).*
5S-28N: 16N Int-150 m. +12° +31°C Pliocene.
- Arca truncata* (Sowerby, 1833).
Bysoarca truncata Sowerby, 1833: 19.
- Galapagos Islands
- 1N Int-50 m. +12° +30°C Recent.
- Genus *Barbatia* Gray, 1842.
- Subgenus *Barbatia s.s.*
- Barbatia lurida* (Sowerby, 1833).
Bysoarca lurida Sowerby, 1833: 19; *B. vespertilio* Carpenter, 1857a: 249, 310 *nom. nud.*; 1857b: 140.
4S-30N: 13N Int-30 m. +12° +34°C Pleistocene.
- Barbatia solidula* Dunker, 1868.¹⁰
Barbatia solidula Dunker, in Pfeiffer, 1868: 114, pl. 38, f. 10-13. Extralimital.
- Subgenus *Acar* Gray, 1857.
- Barbatia bailyi* (Bartsch, 1931).
Acar bailyi Bartsch, 1931b, 2, pl. 1; *part. Arca gradata auctt. not Broderip & Sowerby, 1829; part. A. pernoides auctt. not Carpenter, 1856.*
26N-34N: 30N Int-5 m. +13° +30°C Recent.

- Barbatia divaricata* (Sowerby, 1833).¹¹
Bysoarca divaricata Sowerby, 1833: 18; *Acar hawaiiensis* Dall, Bartsch & Rehder, 1938: 14, pl. 1, f. 5-8; *A. laysana* Bartsch, ch & Rehder, 1938: 16, pl. 1, f. 13-16.
 Clipperton Island, Indo-Pacific.
 10N 15 m. +12° +28°C Recent.
- Barbatia gradata* (Broderip & Sowerby, 1829).
Arca gradata Broderip & Sowerby, 1829: 365; *part. A. plicata auctt.* not Chemnitz, 1795; *part. A. reticulata auctt.* not Gmelin, 1791; *part. Bysoarca divaricata auctt.* not Sowerby, 1833; *Arca panamensis* Bartsch, 1931b: 3, pl. 1.
 Galapagos Islands.
 5S-28N: 14N Int-40 m. +11° +32°C Pliocene.
- Barbatia pusilla* (Sowerby, 1833).
Bysoarca pusilla Sowerby, 1833: 18 not *Arca pusilla* Nyst, 1835; *part. A. gradata auctt.* not Broderip & Sowerby, 1829.
 20S-23S: 22S Int-5 m. +16° +29°C Recent.
- Barbatia rostrata* Berry, 1954.
Barbatia (Acar) rostrata Berry, 1954: 67; *Arca (Bysoarca) pholadiformis* C. B. Adams, 1852: 484, 545 not Orbigny, 1844.
 Galapagos Islands.
 2S-28N: 13N Int-5 m. +14° +32°C Recent.
 Subgenus *Calloarca* Gray, 1857.
- Barbatia alternata* (Sowerby, 1833).
Bysoarca alternata Sowerby, 1833: 17.
 Galapagos Islands.
 1S-27N: 13N 5-30 m. +12° +30°C Pleistocene.
 Subgenus *Cucullaearca* Conrad, 1865.
- Barbatia magellanica* (Gmelin, 1791).
Arca magellanica Gmelin, 1791: 3311; *A. (Barbatia) platei* Stempell, 1899: 220, pl. 12, f. 10-12.
 33S-53S: 43S Int-10 m. +2° +24°C Recent.
- Barbatia reeveana* (Orbigny, 1846).
Arca reeveana Orbigny, 1846: 636 not Nyst, 1848; *part. A. helblingii auctt.* not Bruguière, 1792; *part. A. complanata auctt.* not Chemnitz, 1794; *part. A. nivea auctt.* not Chemnitz, 1794; *part. A. velata auctt.* not Troschel, 1852; *part. A. decussata auctt.* not Wimmer, 1879; *Barbatia nova* Mabille, 1895: 71; *Calloarca reeveana velataformis* Sheldon & Maury in Maury, 1922: 177, pl. 2, f. 15; *C. reeveana lasperlensis* Sheldon & Maury in Maury, 1922: 177, pl. 2, f. 17; *Barbatia (Cucullaearca) bramkampii* Durham, 1950: 55 pl. 1, f. 5, 7, 9.
 Clipperton, Galapagos Islands.
 4S-34N: 15N Int-120 m. +12° +33°C Pliocene.
 Genus *Fugleria* Reinhart, 1937.
- Fugleria illota* (Sowerby, 1833).
Bysoarca illota Sowerby, 1833: 18; *Arca (Bysoarca) tabogensis* C. B. Adams, 1852: 486, 545.
 Galapagos Islands.
 4S-29N: 13N Int-70 m. +22° +33°C Pliocene.
 Genus *Litharca* Gray, 1842.
- Litharca lithodomus* (Sowerby, 1833).
Bysoarca lithodomus Sowerby, 1833: 16.
 5S-10N: 3N Int-5 m. +12° +31°C Recent.
 Subfamily Anadarinae Reinhart, 1935.
- Genus *Anadara* Gray, 1847.
 Subgenus *Anadara s.s.*
- Anadara adamsi* Olsson, 1961.
Anadara (Diluvarca) adamsi Olsson, 1961: 90, pl. 6, f. 7a, b.
 9N Intertidal +25° +30°C Recent.
- Anadara concinna* (Sowerby, 1833).
Arca concinna Sowerby, 1833: 20 not *preoc. Cucullaea concinna* Phillips, 1829; *Arca cumingiana* Nyst, 1848: 22.
 0-29N: 14N 5-100 m. +13° +30°C Pliocene.
- Anadara mazatlanica* (Hertlein & Strong, 1943).
Arca (Anadara) mazatlanica Hertlein & Strong, 1943: 156, pl. 1, f. 1, 4.
 4S-27N: 12N 30-110 m. +15° +31°C Recent.
- Anadara obesa* (Sowerby, 1833).
Arca obesa Sowerby, 1833, 21.
 5S-23N: 9N 20-120 m. +10° +30°C Pliocene.
- Anadara similis* (C. B. Adams, 1852).
Arca similis C. B. Adams, 1852: C485, 545.
 3S-12N: 5N 15-50 m. +13° +30°C Recent.
- Anadara tuberculosa* (Sowerby, 1833).
Arca tuberculosa Sowerby, 1833: 19; *A. secticostata* Reeve, 1844: 2 *Arca* pl. 6, sp. 38; *A. valdiviana* Philippi, 1887: 187, pl. 2, f. 1, a.
 3S-27N: 12N Int-5 m. +19° +32°C Pliocene.
 Subgenus *Cunearca* Dall, 1898.
- Anadara aequatorialis* (Orbigny, 1846).
Arca aequatorialis Orbigny, 1846: 636; *A. ovata* Reeve, 1844: 2 *Arca* pl. 8, sp. 49 not Gmelin, 1791; *A. subelongata* Nyst, 1848: 70.
 Galapagos Islands.
 1S-23N: 11N 10-75 m. +12° +25°C Pliocene.
- Anadara bifrons* (Carpenter, 1857).
Arca bifrons Carpenter, 1857a: 249, 310, *nom. nud.*, 1857b: 134; *A. inaequivallis* Sowerby, 1832: pl. 8, f. 3 not Bruguière, 1790; *A. cardiformis* Sowerby, 1833: 22 not Basterot, 1825; *A. brasiliana auctt.* not Lamarck, 1859; *A. (Scapharca) corculum* Mørch, 1861: 205.
 5S-28N: 12N 5-20 m. +13° +30°C Recent.
- Anadara esmeralda* (Pilsbry & Olsson, 1941).
Arca (Cunearca) esmeralda Pilsbry & Olsson, 1941: 53, pl. 13, f. 4, 5.
 8N-22N: 15N 45-100 m. +12° +31°C Pliocene.
- Anadara nux* (Sowerby, 1833).
Arca nux Sowerby, 1833: 19; *A. zorritensis* Spieker, 1922: 96, pl. 5, f. 4, 5; *A. patheonensis* Spieker, 1922: 99, pl. 5, f. 8, 9.
 Galapagos Islands.
 3S-27N: 12N Intertidal-75 m. +12° +30°C Pliocene.
- Anadara perlabiata* (Grant & Gale, 1931).
A. (Arca) perlabiata Grant & Gale, 1931: 141; *Arca labiata* Sowerby, 1833: 21 not Solander, 1786;
 3S-25N: 11N Intertidal-100 m. +12° +29°C Pleistocene.
- Anadara reinharti* (Lowe, 1935).
Arca (Anadara) reinharti Lowe, 1935: 16, pl. 1, f. 3a-c.
 Cocos Island.
 2S-29N: 14N Intertidal-95 m. +13° +30°C Recent.
 Subgenus *Grandiarca* Olsson, 1961.
- Anadara grandis* (Broderip & Sowerby, 1829).
Arca grandis Broderip & Sowerby, 1829: 365; *A. quadrilatera* Sowerby, 1833: 22; *A. larkinii* Nelson, 1870: 204, pl. 7, f. 5-7.
 3S-25N: 11N Intertidal-5 m. +19° +32°C Miocene.
 Subgenus *Larkinia* Reinhart, 1935.
- Anadara multicostata* (Sowerby, 1833).
Arca multicostata Sowerby, 1833: 21; *A. brandtii* Philippi, 1845: 29; *A. camuloensis* Osmont, 1904: 98, pl. 10, f. 6, a; pl. 11, f. 6b, c.
 Galapagos Islands.
 0-34N: 17N 50-130 m. +8° +30°C Pliocene.
- Anadara transversa* (Say, 1822).¹²
Arca transversa Say, 1822: 269.
 North Atlantic.
 38N. Intertidal Recent.

Subgenus *Rasia* Gray, 1857.

Anadara auricula nom. nov.¹³

Arca auriculata Sowerby, 1833: 20 not Lamarck, 1819; part. *A. aviculaeformis* auct. not Nyst, 1848.

1S: 2S 15–30 m. +16° +29°C Recent.

Anadara emarginata (Sowerby, 1833).

Arca emarginata Sowerby, 1833: 20.

5S–25N: 10N 5–25 m. +17° +30°C Pleistocene.

Anadara formosa (Sowerby, 1833).

Arca formosa Sowerby, 1833: 20; *A. aviculoides* Reeve, 1844: 2 *Arca* pl. 10, sp. 60 not deKoninck, 1842; *A. aviculaeformis* Nyst, 1848: 12.

5S–28N: 12N 10–85 m. +13° +30°C Pliocene.

Subgenus *Scapharca* Gray, 1847.

Anadara biangulata (Sowerby, 1833).

Arca biangulata Sowerby, 1833: 21; *A. sowerbyi* Orbigny, 1846: 637; *A. gordita* Lowe, 1935: 16, pl. 1, f. 1.

Galapagos Islands.

1S–29N: 14N 5–80 m. +12° +30°C Recent.

Anadara cepoides (Reeve, 1844).

Arca cepoides Reeve, 1844: 2 *Arca* pl. 10, sp. 66.

7N–30N: 19N 75–90 m. +22° +29°C Recent.

Anadara hyphalopilema Campbell, 1962.

Anadara (Scapharca) hyphalopilema Campbell, 1962: 152, pl. 37, f. 1–8.

28N 90 m. +13° +26°C Recent.

Anadara labiosa (Sowerby, 1833).

Arca labiosa Sowerby, 1833: 21.

4S–27N: 12N 25–40 m. +16° +28°C Recent.

Genus *Bathyarca* Kobelt, 1891.¹⁴

Bathyarca corpulenta (E. A. Smith, 1885).

Arca (Barbatia) corpulenta E. A. Smith, 1885: 263, pl. 17, f. 5a, b; *A. (Barbatia) imitata* E. A. Smith, 1885: 321.

Indo-Pacific.

33S–23N: 5S 2030–2516 m. +2° +3°C Recent.

Bathyarca endemica (Dall, 1908).

Arca (Cucullaria) endemica Dall, 1908c: 399, pl. 17, f. 8.

8S 3814 m. +1°C Recent.

Bathyarca nucleator Dall, 1908.

Arca (Bathyarca) nucleator Dall, 1908c: 397, pl. 18, f. 9; *A. (Bathyarca) corpulenta pompholyx* Dall, 1908c: 220, 398.

Mid Pacific.

23N–49N: 36N 2030–3480 m. +1° +2°C Recent.

Bathyarca pteroessa (E. A. Smith, 1885).

Arca pteroessa E. A. Smith, 1885: 262, pl. 17, f. 41, b.

Atlantic?

36N (178E) 3751 m. +2°C Recent.

Genus *Lunarca* Gray, 1857.

Lunarca brevifrons (Sowerby, 1833).

Arca brevifrons Sowerby, 1833: 22; *A. (Argina) vespertina* Mørch, 1861: 204; *Argina brevifrons bucaruana* Sheldon & Maury in Maury, 1922: 200, pl. 2, f. 16, pl. 3, f. 10; *Arca melanoderma* Pilsbry & Lowe, 1932: 105, pl. 14, f. 11–13.

5S–25N: 10N 20–50 m. +12° +31°C Pliocene.

Subfamily Striarcinae MacNeil, 1938.

Genus *Arcopsis* Koenen, 1885.

Subgenus *Arcopsis* s.s.

Arcopsis solida (Sowerby, 1833).

Bysoarca solida Sowerby, 1833: 18; part. *Arca fusca* auct. not Bruguère, 1792; *Barbatia digueti* Mabile, 1895: 72.

Galapagos Islands.

9S–29N: 10N Intertidal +20° +34°C Pliocene.

Family Noetiidae Stewart, 1930.

nom. transl. Newell, 1969 ex Noetiinae.

Subfamily Noetiinae Stewart, 1930.

Genus *Noetia* Gray, 1857.

Subgenus *Noetia* s.s.

Noetia magna MacNeil, 1938.

Noetia magna MacNeil, 1938: 38, pl. 6, f. 20, 21.

2S–12N: 5N 5–20 m. +13° +30°C Pliocene.

Noetia reversa (Sowerby, 1833).

Arca reversa Sowerby, 1833: 20 (Gray MS); *A. hemicardium* Philippi, 1843: 43, pl. 1, f. 1 (Koch MS); *Noetia triangularis* Gray, 1857: 372.

Galapagos Islands.

5S–30N: 13N 20–75 m. +12° +20°C Pliocene.

Subgenus *Eontia* MacNeil, 1938.

Noetia olssoni Sheldon & Maury in Maury, 1922.

Noetia olssoni Sheldon & Maury in Maury, 1922: 10, pl. 1, f. 9.

5S–23N: 9N 20–30 m. +13° +30°C Recent.

Subgenus *Barbatiella* Lamy, 1917.

Noetia delgada (Lowe, 1935).

Arca delgada Lowe, 1935: 16, pl. 1, f. 2.

8N–28N: 18N 35–550 m. +12° +31°C Recent.

Family Philobryidae Bernard, 1897.

nom. transl. Suter, 1913 ex Philobryinae.

Genus *Philobrya* Carpenter, 1872.

Subgenus *Philobrya* s.s.

Philobrya antarctica (Philippi, 1868).

Modiola antarctica Philippi, 1868: 224; *Avicula (Meleagrina) magellanica* Stempel, 1899: 230, f. 13–15; *A. (Stempellia) aequivalvis* Odhner, 1922: 221, pl. 8, f. 3, 4.

33S–54S: 44S 10–50 m. +1° +18°C Recent.

Philobrya brattstroemi Soot-Ryen, 1957.

Philobrya brattstroemi Soot-Ryen, 1957a: 2, 1959: 22 (redescription)

41S–42S 5–10 m. +6° +16°C Recent.

Philobrya setosa (Carpenter, 1864).

Bryophila setosa Carpenter, 1864b: 314.

25N–60N: 43N Intertidal–40 m. 0° +26°C Pleistocene.

Superfamily LIMOPSACEA Dall, 1895.

Family Limopsidae Dall, 1895.

Genus *Empleconia* Dall, 1908.

Empleconia vaginata (Dall, 1891).

Limopsis vaginata Dall, 1891: 190; *L. skenia* Dall, 1916a: 14 nom. nud.; 1916b: 402 (*skenea* nom. null. auctt.)

54N–57N: 56N 400–650 m. 0° +6° m. Recent.

Genus *Limopsis* Sassi, 1827.

Subgenus *Limopsis* s.s.

Limopsis akutanica Dall, 1916.

Limopsis akutanica Dall, 1916a: 14 nom. nud.; 1916b: 403.

52N–54N: 53N 130–275 m. –1° +7°C Recent.

Limopsis dalli Lamy, 1912.

Limopsis dalli, Lamy, 1912b: 137; *L. compressus* Dall, 1896a: 16 not G. Nevill & H. Nevill, 1874; part. *Lima elliptica* auctt. not Jeffreys, 1879 (Atlantic); part. *L. pelagica* E. A. Smith, 1885.

6N–52N: 29N 3060–3900 m. +1° +2°C Recent.

Limopsis diazi Dall, 1908.

Limopsis diazi Dall, 1908c: 397, pl. 18, f. 7.

17N 1208 m. +2° +4°C Recent.

- Limopsis diegensis* Dall, 1908.
Limopsis diegensis Dall, 1908c:220, 395, pl. 15, f. 13, 15.
 28N-33N: 31N 120-1500 m. +3° +27°C Recent.
- Limopsis hirtella* Mabile & Rochebrune, 1889.
Limopsis hirtella Mabile & Rochebrune in Rochebrune & Mabile, 1889: 115.
 Atlantic.
 54S-56S: 55S 80-300 m. +1° +8°C Recent.
- Limopsis juarezi* Dall, 1908.
Limopsis juarezi Dall, 1908c: 220, 396, pl. 18, f. 8.
 6N 3060 m. +2° +3°C Recent.
- Limopsis mabileana* Dall, 1908.
Limopsis mabileana Dall, 1908c: 220, 395.
 53S 675 m. +1° +5°C Recent.
- Limopsis panamensis* Dall, 1902.
Limopsis panamensis Dall, 1902a: 559.
 7N 1867 m. +2° +4°C Recent.
- Limopsis perieri* P. Fischer, 1869.
Limopsis perieri P. Fischer in Folin, 1869: 235 pl. 31, f. 2.
 Atlantic.
 55S 300 m. +1° +7°C Recent.
- Limopsis stimpsoni* Dall, 1908.
Limopsis stimpsoni Dall, 1908c:220, 396.
 7N 1870-2320 m. +2° +3°C Recent.
- Limopsis zonalis* Dall, 1908.
Limopsis zonalis Dall, 1908c: 220, 393, pl. 7, f. 6, 19.
 7N 950-1430 m. +2° +8°C Recent.
- Subgenus *Felicia* Rochebrune & Mabile, 1882.
- Limopsis marionensis* E. A. Smith, 1885.
Limopsis marionensis E. A. Smith, 1885: 254, pl. 18, f. 2, 6; *part. L. tenella* auctt. not Jeffreys, 1876; *L. straminea* E. A. Smith, 1885: 255, pl. 18, f. 5, a; *Felicia jousseaumi* Mabile & Rochebrune in Rochebrune & Mabile: 116, pl. 7, f. 9a, b; *Limopsis grandis* E. A. Smith, 1907: 5, pl. 3, f. 7a, b; *L. hardingii* Melville & Standen, 1914: 128 pl. 7, f. 2, 3.
 Panantarctic, South Atlantic.
 41S-56S: 49S 485-520 m. +2° +3°C Recent.
- Limopsis ruizana* Rehder, 1971.
Limopsis (Felicia) ruizana Rehder, 1971: 585, f. 1.
 33S 200 m. +9° +21°C Recent.
- Genus *Lissarca* Smith, 1877.
- Lissarca miliaris* (Philippi, 1845).
Pectunculus miliaris Philippi, 1845: 56; *Lissarca media* Thiele, 1912: 253, pl. 18, f. 5; *L. benetti* Preston, 1916: 271, pl. 13, f. 7, a.
 Extralimital? Subantarctic
- Superfamily GLYCYMERIDACEA Newton, 1916.
nom. transl. et correct. herein, ex Glycymeridae.
- Family Glycymerididae Newton, 1916.
nom. transl. Stenzel, Krause & Twinning, 1957 *pro* Glycymeridae.
- Subfamily Glycymeridinae Newton, 1916.
nom. transl. et correct. Newell, 1969 *ex* Glycymeridae.
- Genus *Glycymeris* Costa, 1778.
- Subgenus *Glycymeris s.s.*
- Glycymeris gigantea* (Reeve, 1843).
Pectunculus gigantea Reeve, 1843: 1 *Pectunculus* pl. 1, sp. 3a, b.
 25N-31N: 28N 5-20 m. +22° +29°C Pliocene.
- Glycymeris lintea* Olsson, 1961.
Glycymeris (Glycymeris) lintea Olsson, 1961: 106, pl. 11, f. 4, a.
 Galapagos Islands.
 4S-9N: 3N Intertidal-5 m. +12° +29°C Recent.
- Glycymeris maculata* (Broderip, 1832).
Pectunculus maculata Broderip in Broderip & Sowerby, 1832: 126; *part. P. gigantea* auctt. not Reeve, 1843.
 4S-31N: 14N 5-45 m. +22° +30°C Pliocene.
- Glycymeris ovata* (Broderip, 1832).
Pectunculus ovatus Broderip in Broderip & Sowerby, 1832: 126; *P. intermedius*, Broderip in Broderip & Sowerby, 1832: 126.
 5S-12S: 9S Intertidal-20 m. +15° +30°C Pliocene.
- Subgenus *Axinactis* Morch, 1861.
- Glycymeris delessertii* (Reeve, 1843).
Pectunculus delessertii Reeve, 1843: 1 *Pectunculus* pl. 9, sp. 52.
 2N-23N: 12N 10-40 m. +13° +30°C Pleistocene.
- Glycymeris inaequalis* (Sowerby, 1833).
Pectunculus inaequalis Sowerby, 1833: 196; *P. assimilis* Sowerby, 1833: 196.
 6S-27N: 10N Intertidal-25 m. +14° +30°C Pliocene.
- Subgenus *Axinola* Hertlein & Grant, 1972.
- Glycymeris corteziana* Dall, 1916.
Glycymeris corteziana Dall, 1916a: 13 *nom. nud.*; 1916b: 402; *part. Axinea profunda* auctt. not Dall, 1878; *G. migueliana* Dall, 1916a: 13 *nom. nud.*; 1916b: 402; *G. vancouverensis* Clark & Arnold, 1923: 137, pl. 27, f. 2a, b, 5; *G. keenae* Willett, 1944a: 114, pl. 12, f. 4-7.
 32N-55N: 43N 20-250 m. -1° +9°C Recent.
- Glycymeris guadalupensis* Strong, 1938.
Glycymeris guadalupensis Strong, 1938: 213, pl. 16, f. 1, 2.
 23N-27N: 25N 15-30 m. +11° +29°C Recent.
- Glycymeris suboboleta* (Carpenter, 1864).
Axinea (?septentrionalis) suboboleta Carpenter, 1864b: 627, 644.
 37N-60N: 48N Intertidal-55 m. +4° +16°C Pliocene.
- Glycymeris profunda* (Dall, 1878).¹⁵
Axinea profunda Dall, 1878: 11, 13.
 Not Living.
- Subgenus *Tucetona* Iredale, 1931.
- Glycymeris canoa* Pilsbry & Olsson, 1941.
Glycymeris canoa Pilsbry & Olsson, 1941: 54, pl. 13, f. 2, a.
 19N-24N: 23N 5-25 m. +13° +32°C Pliocene.
- Glycymeris multicostata* (Sowerby, 1833).
Pectunculus multicostatus Sowerby, 1833: 195; *part. Arca pectinata* auctt. not Gmelin, 1791; *Pectunculus parcipictus* Reeve, 1843: 1 *Pectunculus* pl. 4, sp. 14; *P. bicolor* Reeve, 1843: 1 *Pectunculus* pl. 5, sp. 20; *P. minor* Orbigny, 1846: 628 not Lea, 1833; *Glycymeris chemnitzii* Dall, 1909b: 253.
 Galapagos Islands.
 2S-31N: 15N 40-90 m. +12° +31°C Pliocene.
- Glycymeris strigilata* (Sowerby, 1833).
Pectunculus strigilatus Sowerby, 1833: 196; *P. tessellatus* Sowerby, 1833: 196; *P. pectinoides* Deshayes, in Cuvier, 1843: *descrip. to pl. 87; P. tenuisculptus* "Carpenter" auctt. not Carpenter (*tenuisculptus nom. null. auctt.*).
 2S-28N: 13N 10-110 m. +22° +30°C Recent.
- Order MYTILOIDA Férussac, 1822
nom. correct. Newell, 1965 *ex* Mytilacea. *Emend.* Waller, 1978.
- Superfamily MYTILACEA Rafinesque, 1815.
nom. transl. et correct. Tryon, 1844 *ex* Mytilidae.
- Family Mytilidae Rafinesque, 1815.
nom. correct. Newell, 1965 *pro* Mytilidia.
- Subfamily Mytilinae Rafinesque, 1815.
nom. transl. Soot-Ryen, 1969 *ex* Mytilidia.
- Genus *Aulacomya* Mørch, 1853.
- Aulacomya ater* (Molina, 1782).
Mytilus ater Molina, 1782: 202; *M. magellanicus* Lamarck, 1819: 119 (*ex* Chemnitz, 1795); *M. decussatus* Lamarck, 1819: not Montagu, 1808 *M. crenatus* Lamarck, 1819: 120; *M. capensis* Dunker, 1846: 108; *part. M.*

- darwinianus* auctt. not Orbigny, 1846; *M. americanus* Orbigny, 1846: 648; *M. orbignyanus* Hupé in Gay, 1854: 311, pl. 5, f. 5; *M. oblongus* Clessin in Küster & Kobelt, 1887: 78, pl. 22, f. 1, f; *M. magellanicus margaritacea* Gotschlich, 1913: 220; *Aulacomya ater regia* Powell, 1957: 120.
- Atlantic
- 12S-54S: 33S Intertidal-40 m. 0° +24°C Recent.
- Genus *Brachidontes* Swainson, 1840.
- Brachidontes adamsianus*** (Dunker, 1857).
Mytilus adamsianus Dunker, 1857: 360; part. *M. cubitus* auctt. not Say, 1822; *M. stearnsii* Pilsbry & Raymond, 1898: 70; part. *M. puntarenensis* auctt. not Pilsbry & Lowe, 1932: 104, pl. 10, f. 6.
- Galapagos Islands.
- 1S-34N: 17N Intertidal. +14° +32°C Recent.
- Brachidontes blakeanus*** Melvill & Standen, 1914.
Brachyontes blakeanus Melvill & Standen, 1914: 129, pl. 7, f. 4, a. A 54S Intertidal +14° +32°C Recent.
- Brachidontes granulatus*** (Hanley, 1843).
Mytilus granulatus Hanley, 1843: 246, pl. 24, f. 3; *M. pilosus* Reeve, 1858: 10 *Mytilus* pl. 8, sp. 35 (Recluz MS).
9S-43S: 26S Intertidal +9° +29°C Recent.
- Brachidontes playasensis*** (Pilsbry & Olsson, 1935).
Modiolus (Brachyontes) playasensis Pilsbry & Olsson, 1935: 17, pl. 1, f. 4; *Scolimylus (Scolimylus) esmeraldensis* Olsson, 1961: 119, pl. 13, f. 1a, b.
2S-1N: 0 Intertidal-2 m. +14° +32°C Recent.
- Brachidontes puntarenensis*** (Pilsbry & Lowe, 1932).
Mytilus (Hormomya) puntarenensis Pilsbry & Lowe, 1932: 104, pl. 10, f. 6; *Brachidontes multiformis houstonius* Bartsch & Rehder, 1939b: 14, pl. 4, f. 4-7.
- Galapagos Islands.
- 2S-10N: 4N Intertidal +19° +31°C Pliocene.
- Brachidontes purpuratus*** (Lamarck, 1819).
Modiola purpurata Lamarck, 1819: 113; *Mytilus ovalis* Lamarck, 1819: 121; ?*M. exaratus* Philippi, 1847: 119; *M. exilis* Philippi, 1847: 120; *M. bifurcatus* Dautzenberg, 1896: 67 not Conrad, 1837.
- Galapagos Islands.
- 1S-41S: 21S Intertidal +6° +30°C Pleistocene.
- Brachidontes semilaevis*** (Menke, 1848).
Modiola semilaevis Menke, 1848: 5; *Mytilus multiformis* Carpenter, 1857b: 118; *Scolimylus (Scolimylus) aequatorialis* Olsson, 1961: 120, pl. 12, f. 9, b.
5S-31N: 13N Intertidal-35 m. +14° +34°C Recent.
- Genus *Choromytilus* Soot-Ryen, 1952.
- Choromytilus chorus*** (Molina, 1782).
Mytilus chorus Molina, 1782: 202; *M. caeruleus* Molina, 1782: 202; (*Mytilus* nom. null.); *M. latus* Lamarck, 1819: 122; *M. achatinus* Lamarck, 1819: 125; *M. unguatus* Valenciennes in Humboldt & Bonpland, 1832: 223, pl. 49, f. 1a-c not Linné, 1758 not Lamarck, 1819; *M. compressus* Reeve, 1858: 10 *Mytilus* pl. 12, sp. 5 (Philippi MS).
6S-55S: 31S Intertidal-5 m. -1° +30°C Pleistocene.
- Choromytilus palliopunctatus*** (Carpenter, 1857).
Mytilus palliopunctatus Carpenter, 1857b: 118 "Dunker"; *M. tenuiratus* Dunker MS.
9N-25N: 17N Intertidal +17° +32°C Recent.
- Genus *Ischadium* Jukes-Browne, 1905.
- Ischadium recurvus*** (Rafinesque, 1820).¹⁶
Mytilus recurvus Rafinesque, 1820: 320.
Extralimital. Atlantic Recent.
- Genus *Mytella* Soot-Ryen, 1955.
- Mytella arciformis*** (Dall, 1909).
Modiolus arciformis Dall, 1909b: 152, 258, pl. 28, f. 2.
2S-13N: 6N Intertidal +19° +31°C Recent.
- Mytella guyanensis*** (Lamarck, 1819).
Modiola guyanensis Lamarck, 1819: 112; *Mytilus bicolor* Lamarck, 1819: 112 (Bruguère MS); *Modiola semifusca* Sowerby 1825: f. 16 not Lamarck, 1819; *M. sinuosa* King & Broderip, 1832: 337; *M. brasiliensis mutabilis* Carpenter, 1857b: 122; *M. subfusca* auctt. not Clessin in Küster & Kobelt, 1889
- Atlantic.
- 3S-31N: 14N Intertidal-2 m. +22° +33°C Recent.
- Mytella speciosa*** (Reeve, 1857).
Modiola speciosa Reeve, 1857: 10 *Modiola* pl. 7, sp. 35 (Dunker MS); *M. planata* Tomlin, 1928: 192 (Carpenter MS) nom. nud.; *Modiolus (Modiolus) tumbezensis* Pilsbry & Olsson, 1935: 16, pl. 1, f. 5.
4S-25N: 11N Intertidal. +17° +32°C Recent.
- Mytella strigata*** (Hanley, 1843).
Modiola strigatus Hanley, 1843: 15; *Mytilus falcatus* Orbigny, 1846: 645, pl. 84, f. 38, 39 not Münster in Goldfuss, 1837 not Orbigny, 1844; *M. charruana* Orbigny, 1846: 649, pl. 85, f. 14-16 (not *chenuanus* nom. null. auctt.); *M. nitens* auctt. not Carpenter, 1855: *M. sinuatus* Reeve, 1857: 10 *Mytilus* pl. 5, sp. 16 (Dunker MS).
- Galapagos Islands.
- 0-29N: 15N Intertidal +2° +33°C Recent.
- Genus *Mytilus* Linné, 1758.
- Subgenus *Mytilus s.s.*
- Mytilus californianus*** Conrad, 1837.¹⁷
Mytilus californianus Conrad, 1837: 242, pl. 18, f. 15 (*californicus* nom. auctt.); *M. condoni* Dall, 1890b: 89; *M. kamschatcicus* Slodkevich, 1935: 203, pl. 27, f. 1, 2; *M. highooehiae* Mandra, 1949: 104, f. 1.
19N-60N: 40N Intertidal-50 m. -2° +31°C Pliocene.
- Mytilus chilensis*** Hupé, 1854.¹⁸
Mytilus chilensis Hupé in Gay, 1854: 309, pl. 5, f. 4; ?*M. fulgidus* Molina, 1782: 179; part. *M. patagonicus* auctt. not Orbigny, 1846; ?*M. obesus* Reeve, 1858: 10 *Mytilus* pl. 8, sp. 31. *M. fisherianus* Tapparone-Canefri, 1874: 138, pl. 4, f. 1; (Dunker MS); *M. infumatus* Mabilite & Rochebrune in Rochebrune & Mabilite, 1889: 118; *M. hupeanus* Mabilite & Rochebrune in Rochebrune & Mabilite, 1889: 118; *M. similis* Clessin in Küster & Kobelt, 1882: 82, pl. 16, f. 3, 4 (Dunker MS) not Giebel, 1848 not Orbigny, 1849; *M. edulis desolationis* Lamy, 1936: 112; *M. kerguelensis* Fletcher, 1938: 107.
- Atlantic
- 20S-54S: 37S Intertidal-120 m. -1° +22°C Pleistocene.
- Mytilus edulis*** Linné, 1758.
Mytilus edulis Linné, 1758: 705 (Official List ICZN Opinion 333); *M. trossulus* Gould, 1850: 344; *M. glomeratus* Gould, 1851: 92; *M. pedroanus* Conrad, 1855b: 15, *M. edulis latissimus* Carpenter, 1857a: 197; *M. edulis normalis* Carpenter, 1857a: 197; *M. septentrionalis* Clessin in Küster & Kobelt, 1889: 58, pl. 8, f. 1; *M. edulis diegensis* Coe, 1945: 28; *M. (Mytilus) edulis kussakini* Scarlato & Starobogatov, 1979: 109.
- Introduced cosmopolitan in temperate & cold seas.
- 23N-71N: 47N Intertidal-5 m. -4° +30°C Miocene.
- Genus *Perna* Retzius, 1788.
- Perna perna*** (Linné, 1758).
Mya perna Linné, 1758: 671; *Mytilus auratus* Molina, 1782: 179 (*Mytilus* nom. null); *M. elongatus* Chemnitz, 1785: 16 (nom. binom.) not Blainville, 1824; *M. achatinus* auctt. not Lamarck, 1819.
- Atlantic, Magellanic.
- Extralimital. Intertidal Recent.
- Genus *Semimytilus* Soot-Ryen, 1955.

- Semimytilus algosus* (Gould, 1850).
Mytilus algosus Gould, 1850: 344; *part. M. angustanus* auctt. not Lamarck, 1819; *M. dactyliformis* Hupé in Gay, 1854: 310, pl. 5, f. 6 (*dactyloides* nom. null. auctt.); *M. cuneiformis* Reeve, 1857: 10 *Mytilus* pl. 5, sp. 18 (*cruciformis* nom. null. auctt.); *Modiolus (Modiolus) nonuranus* Pilsbry & Olsson, 1935: 16, pl. 1, f. 3.
 5S–37S: 21S Intertidal +8° +25°C Recent.
- Genus *Septifer* Recluz, 1848.
 Subgenus *Septifer s.s.*
- Septifer bifurcatus* (Conrad, 1837).
Mytilus bifurcatus Conrad, 1837: 241, pl. 18, f. 14 not Dautzenberg, 1896; *S. bifurcatus obsoletus* Dall, 1916a: 18 nom. nud.; 1916b: 404.
 23N–40N: 32N Intertidal–50 m. +5° +32°C Pliocene.
- Septifer zeteki* Hertlein & Strong, 1946.
Septifer zeteki Hertlein & Strong, 1946: 71, pl. 1, f. 1, 2; *part. S. cumingii* auctt. not Recluz, 1849 (South Pacific); *Mytilus cumingianus* Reeve, 1858: 10 *Mytilus* pl. 11, sp. 52 (Recluz MS).
 Galapagos Islands.
 5S–28N: 17N Intertidal–90 m. +12° +33°C Recent.
- Sensu lato.*
Septifer crassus Dunker, 1853.
Septifer crassus Dunker, 1853: 86. nom. inq.
- Subfamily Modiolinae Keen, 1958.
 nom. transl. Bowden & Heppell, 1966 ex Modiolini.
- Genus *Amygdalum* Megerle, 1811.
- Amygdalum americanum* Soot-Ryen, 1955.
Amygdalum americanum Soot-Ryen, 1955: 70, pl. 8, f. 37.
 5S–28N: 12N 4–40 m. +12° +31°C Recent.
- Amygdalum pallidulum* (Dall, 1916).
Modiolus politus pallidulus Dall, 1916a: 18 nom. nud.; 1916b: 404, *part. Modiola polita* auctt. not Verrill & Bush, 1880 (Atlantic).
 28N–37N: 33N 40–150 m. +6° +25°C Recent.
- Genus *Botula* Mørch, 1853.
- Botula fusca* (Gmelin, 1791).
Mytilus fuscus Gmelin, 1791: 3359; *part. M. cinnamomeus* auctt. not Chemnitz, 1785 not *Modiolus cinnamomeus* Link, 1807 not *Modiola cinnamomea* Lamarck, 1819; *Botula cylista* Berry, 1959: 107.
 Atlantic
 1S–23N: 12N Intertidal +17° +31°C Recent.
- Genus *Dacrydium* Torell, 1859.
 Subgenus *Dacrydium s.s.*
- Dacrydium albidum* Pelseneer, 1903.
Dacrydium albidum Pelseneer, 1903: 26, f. 100; *D. modioliforme* Thiele, 1912: 226, pl. 17, f. 9.
 Cosmopolitan in deep water.
 8S (81W) 5759–5760 m. +1°C Recent.
- Dacrydium pacificum* Dall, 1916.
Dacrydium pacificum Dall, 1916a: 18 nom. nud.; 1916b: 405; *part. Mytilus vitrea* auctt. not Møller, 1842.
 55N 2564 m. +2°C Recent.
- Dacrydium panamensis* Knudsen, 1970.
Dacrydium panamensis Knudsen, 1970: 91, text-f. 53, 54.
 6N–9N: 8N 3270–3670 m. +1°C Recent.
- Dacrydium rostriferum* Bernard, 1978.
Dacrydium (Dacrydium) rostriferum Bernard, 1978: 62, f. 1, 12.
 45N–48N: 47N 2530–2865 m. +1° +2°C Recent.
- Dacrydium vitreum* (Møller, 1842).
Mytilus vitrea Møller, 1842: 19 (Holböll MS); *Dacrydium occidentale* E. A. Smith, 1885: 282, pl. 17, f. 1a. Circumboreal
 53N–71N: 62N 30–455 m. –2° +7°C Recent.
- Subgenus *Quendreda* Iredale, 1936.
- Dacrydium elegantulum* Soot-Ryen, 1955.
Dacrydium (Quendreda) elegantulum Soot-Ryen, 1955: 87, pl. 8, f. 41.
 28N–34N: 31N 45–201 m. +11° +27°C Recent.
- Genus *Geukensia* Poel, 1959.
- Geukensia demissa* (Dillwyn, 1817).
Mytilus demissus Dillwyn, 1817:314 (Solander MS); *Modiola plicatula* Lamarck, 1819: 113; *M. semicostata* Conrad, 1837: 244.
 Introduced from Atlantic.
 34N. 38N. Intertidal Recent.
- Genus *Habepegris* Bernard, 1978.
- Habepegris washingtonia* Bernard, 1978.
Habepegris washingtonia Bernard, 1978: 63, f. 3, 13.
 48N 2189 m. +1° +2°C Recent.
- Genus *Lioberus* Dall, 1898.¹⁹
- Lioberus salvadoricus* (Hertlein & Strong, 1946).
Volsella salvadoricus Hertlein & Strong, 1946: 73, pl. 1, f. 7, 11.
 11N–31N: 21N Intertidal–30 m. +13° +31°C Recent.
- Lioberus splendidus* (Dunker, 1857).²⁰
Volsella splendida Dunker, 1857: 365. nom. inq. California?
- Genus *Modiolus* Lamarck, 1799.
- Subgenus *Modiolus s.s.*
- Modiolus aurum* Osorio, 1979.
Modiolus aurum Osorio, 1979: 199, f. 119; *part. M. plumescens* auctt. not Dunker, 1868 (Australia).
 34S Intertidal +13° +23°C Recent.
- Modiolus americanus* (Leach, 1815).
Modiola americana Leach in Leach & Nodder, 1815: 32, pl. 72, f. 1; *M. tulipa* Lamarck, 1819: 111; *Modiolus pseudotulipus* Olsson, 1961: 127, pl. 14, f. 2, a.
 5S–25N: 10N Intertidal–20 m. +13° +31°C Recent.
- Modiolus capax* (Conrad, 1937).
Modiola capax Conrad, 1837: 242; *Mytilus spatula* Menke, 1848: 2; *M. splendens* Dunker, 1857: 358; *Modiola subfuscata* Clessin in Küster & Kobelt, 1889: 122 pl. 25, f. 13 (Sowerby MS).
 Galapagos Islands.
 5S–35N: 15N Intertidal–50 m. +12° +30°C Miocene.
- Modiolus carpenteri* Soot-Ryen, 1963.
Modiolus carpenteri Soot-Ryen, 1963: 127; *Modiola fornicata* Carpenter, 1864c: 536, 643, not Romer, 1836; *part. Volsella sacculifer* auctt. not Berry, 1953.
 34N–37N: 36N Intertidal–20 m. +6° +28°C Miocene.
- Modiolus eiseni* Strong & Hertlein, 1937.
Modiolus eiseni Strong & Hertlein, 1937: 160, pl. 34, f. 11, 14–16.
 1S–28N: 14N Intertidal–360 m. +22° +31°C Recent.
- Modiolus flabellatus* (Gould, 1850).
Mytilus (Modiola) flabellatus Gould, 1850: 343; *Modiola elongata* Carpenter, 1857a: 211, 309 nom. nud. (Gould MS); *Modiolus directus* Dall, 1909a: 12, 17, 113, pl. 12, f. 11, 12.
 30N–54N: 47N Intertidal +2° +31°C Miocene.
- Modiolus kurilensis* nom. nov.²¹
Volsella difficilis Kuroda & Habe, 1950: 30 not *Modiola difficilis* Deshayes, 1863; *part. Mytilus modiolus* auctt. not Linné, 1758.
 Northwestern Pacific.
 47N–56N: 52N Intertidal–50 m. –3° +18°C Recent.
- Modiolus modiolus* (Linné, 1758).
Mytilus modiolus Linné, 1758: 706; *Modiola gibbsii* Leach in Leach &

- Nodder, 1815: 34; *M. papuana* Lamarck, 1828: 111 *M. vulgaris* Fleming, 1812: 412; *M. grandis* Philippi, 1844: 51.
- Circumboreal
- 37N–60N: 48N 50–200 m. $-1^{\circ} +23^{\circ}\text{C}$ Pleistocene.
- Modiolus neglectus*** Soot-Ryen, 1955.
Modiolus neglectus Soot-Ryen, 1955: 64, pl. 7, f. 31, 32; part. *Modiola recta* auctt. not Conrad, 1837; part. *Volsella flabellata* auctt. not Gould, 1850.
- 23N–37N: 30N 15–110 m. $+5^{\circ} +30^{\circ}\text{C}$ Recent.
- Modiolus nitens*** (Gould & Carpenter, 1856).
Modiola nitens Gould & Carpenter, 1857: 22. Extralimital. *nom. dub.* Recent.
- Modiolus patagonicus*** (Orbigny, 1846).
Mytilus patagonicus Orbigny, 1846: 646, pl. 85, f. 12, 13; *Modiola magellanica* Reeve, 1857: 10 *Modiola* pl. 8, sp. 41 (Dunker MS) not *Phaseolicama magellanica* Rousseau in Jacquinet, 1854.
- Atlantic.
- 50S–54S: 52S Intertidal. $+1^{\circ} +19^{\circ}\text{C}$ Recent.
- Modiolus rectus*** (Conrad, 1837).
Modiola recta Conrad, 1837: 243, pl. 19, f. 1; *Modiolus pacificus* Olsson, 1961: 126, 127, pl. 14, f. 3, a.
- Galapagos Islands.
- 5S–35N: 15N Intertidal–15 m. $+19^{\circ} +34^{\circ}\text{C}$ Miocene.
- Modiolus sacculifer*** (Berry, 1953).
Volsella sacculifer Berry, 1953: 407, pl. 28, f. 1, 2, Text-f. 1.
33N–34N. 35–50 m. $+8^{\circ} +26^{\circ}\text{C}$ Pliocene.
- Senus lato.*
- Modiolus abyssicola*** Knudsen, 1970.
Modiolus abyssicola Knudsen, 1970: 92, pl. 14, f. 6.
6N. 3270–3670 m. $+1^{\circ} +2^{\circ}\text{C}$ Recent.
- Subfamily Crenellinae Gray, 1840.
- Genus ***Crenella*** Brown, 1827.
- Crenella caudiva*** Olsson, 1961.
Crenella caudiva Olsson, 1961: 130, pl. 17, f. 2.
2S. Intertidal. $+19^{\circ} +31^{\circ}\text{C}$ Recent.
- Crenella decussata*** (Montagu, 1808).
Mytilus decussatus Montagu, 1808: 69; *Crenella yokoyamai* Nomura, 1932: 74; *C. decussata laticostata* Scarlato, 1960: 65, pl. 1, f. 3.
- Circumboreal
- 33N–60N: 47N 5–400 m. $-1^{\circ} +26^{\circ}\text{C}$ Pliocene.
- Crenella divaricata*** (Orbigny, 1847).
Nuculocardia divaricata Orbigny in Sagra, 1847: 311, pl. 27, f. 56–59; *Crenella inflata* Carpenter, 1864b: 3 not *Mytilus inflatus* Müller, 1847; *C. ecuadoriana* Pilsbry & Olsson, 1941: 55 pl. 18, f. 2, 3.
- Cocos Island.
- 2S–34N: 16N 5–460 m. $+4^{\circ} +27^{\circ}\text{C}$ Pliocene.
- Crenella leana*** Dall, 1897.
Crenella leana Dall, 1897a: 4, pl. I, f. 6, 7.
55N–60N: 58N 10–80 m. $-1^{\circ} +11^{\circ}\text{C}$ Pleistocene.
- Crenella seminuda*** (Dall, 1897).
Modiolaria seminuda Dall, 1897a: 5, pl. 1, f. 1; *Crenella grisea* Dall, 1907: 171.
- Northwest Pacific.
- 54N. 10–50 m. $+4^{\circ} +27^{\circ}\text{C}$ Recent.
- Genus ***Gregariella*** Monterosato, 1883.
- Gregariella chenuana*** (Orbigny, 1846).
Mytilus chenuanus Orbigny, 1846: 649, pl. 85, f. 14–16; *M. fontaineanus* Orbigny, 1846: 710 (plate caption) pl. 85, f. 14–16; *Modiolaria denticulata* Dall, 1871: 154.
- Galapagos Islands.
- 9S–17N: 4N. Intertidal $+16^{\circ} +32^{\circ}\text{C}$ Recent.
- Gregariella chenui*** (Recluz, 1842).
Mytilus chenui Recluz, 1842: 306; part. *Modiola opifex* auctt. not Say, 1825 (Atlantic).
- Atlantic.
- 13S–37N: 12N 30–100 m. $+10^{\circ} +28^{\circ}\text{C}$ Recent.
- Gregariella coralliophaga*** (Gmelin, 1791).
Mytilus coralliophagus Gmelin, 1791: 3359; *Crenella coarctata* Carpenter, 1857b: 123 (Dunker MS).
1S–28N: 14N Intertidal. $+14^{\circ} +30^{\circ}\text{C}$ Recent.
- Genus ***Megacrenella*** Habe, 1965.
- Megacrenella columbiana*** (Dall, 1897).
Crenella columbiana Dall, 1897a: 4, pl. 1, f. 3, 5; *C. rotundata* Dall, 1916a: 20 *nom. nud.*; 1916b: 406; *C. tamurai* Habe, 1955: 26, pl. 7, f. 1, 2.
- Northwest Pacific.
- 17N–60N: 39N 20–550 m. $+2^{\circ} +31^{\circ}\text{C}$ Recent.
- Genus ***Musculista*** Yamamoto & Habe, 1958.
- Musculista senhousia*** (Benson, 1842).
Modiola senhousia Benson, 1842: 489 (*senhousii*, *senhousei* *nom. van. auctt.*); *M. bellardina* Tapparone-Canefri, 1874: 144, pl. 4, f. 4a, b.
- Introduced from Japan.
- 34N. 38N. 48N. Intertidal–20 m. $-1^{\circ} +28^{\circ}\text{C}$ Recent.
- Genus ***Musculus*** Röding, 1798.
- Subgenus *Musculus s.s.*
- Musculus cultellus*** (Deshayes, 1839).
Modiola cultellus Deshayes, 1839: 359; *Modiolaria impressa* Dall, 1907b: 172; *Musculus olivaceus* Dall, 1916a: 19 *nom. nud.*; 1916b: 405; *M. incurvatus* Scarlato, 1960: 87, pl. 4, f. 4.
- Panarctic, Atlantic.
- 70N–71N. 25–70 m. $-2^{\circ} +10^{\circ}\text{C}$ Recent.
- Musculus cultellus*** (Deshayes, 1839).
Modiola cultellus Deshayes, 1839: 359; *Modiolaria impressa* Dall, 1907b: 172; *Musculus olivaceus* Dall, 1916a: 19 *nom. nud.*; 1916b: 405; *M. incurvatus* Scarlato, 1960: 87, pl. 4, f. 4.
- Western Bering Sea.
- 57N. 50–200 m. $-1^{\circ} +7^{\circ}\text{C}$ Recent.
- Musculus discors*** (Linné, 1767).
Mytilus discors Linné, 1767: 1159; *M. discrepans* Montagu, 1803: 169 not Leach, 1815; *Modiola substriata* Gray, 1824: 245; *M. laevigata* Gray, 1824: 246 not Wood, 1828; *Modiolaria laevis* Beck in Robert, 1851: pl. 17 not *Modiola laevis* Sowerby, 1812; *Musculus filatovae* Scarlato, 1955: 189, pl. 50, f. 3.
- Panarctic, circumboreal.
- 47N–71N: 59N. 5–150 m. $-2^{\circ} +10^{\circ}\text{C}$ Pleistocene.
- Musculus niger*** (Gray, 1824).
Modiola nigra Gray, 1824: 244; *M. discrepans* Leach, 1815: 36 not *Mytilus discrepans* Montagu, 1803 not *Modiola discrepans* Lamarck, 1819; *M. nexa* Gould, 1841: 128; *Musculus niger obesus* Dall, 1916a: 19 *nom. nud.*; 1916b: 405 not *Mytilus obesus* Reeve, 1858; *M. protractus* Dall, 1916a: 19 *nom. nud.*; *M. niger protractus* Dall, 1916b: 405.
- Panarctic, circumboreal.
- 48N–71N: 60N 15–150 m. $-1^{\circ} +14^{\circ}\text{C}$ Pleistocene.
- Musculus pygmaeus*** Glynn, 1964.
Musculus pygmaeus Glynn, 1964: 121, f. 1a, b.
35N–37N: 36N Intertidal $+4^{\circ} +31^{\circ}\text{C}$ Recent.

- Musculus taylori* (Dall, 1897).
Modiolaria taylori Newcombe 1893: 5 *nom. nud.* (Dall MS); Dall, 1897a: 5, pl. 1, f. 17-18; *Musculus phenax* Dall, 1915d: 138. 48N-57N: 53N Intertidal. Recent.
- Subgenus *Vilasina* Scarlato, 1960 (Bartsch MS).
- Musculus vernicosus* (Middendorff, 1849).
Modiolaria vernicosa Middendorff, 1849: 84. Northwest Pacific. 57N-60N: 59N 10-80 m. -1° +27°C Recent.
- Subfamily Lithophaginae H. Adams & A. Adams, 1857.
- Genus *Adula* H. Adams & A. Adams, 1857.
- Adula californiensis* (Philippi, 1847).
Modiola californiensis Philippi, 1847: 113 (Eschscholtz MS); *Adula stylina* Carpenter, 1864c: 599, 627, 644, 669. 33N-49N: 41N Intertidal. -1° +24°C Recent.
- Adula diegensis* (Dall, 1911).
Modiolus diegensis Dall, 1911: 110. 23N-43N: 33N. Intertidal +1° +30°C Recent.
- Adula falcata* (Gould, 1851).
Lithodomus falcatus Gould, 1851: 92; *L. gruneri* Reeve, 1858: 10 *Lithodomus* pl. 3, sp. 12 (Philippi MS). 28N-43N: 35N Intertidal. -1° +30°C. Recent.
- Adula soleniformis* (Orbigny, 1846).
Mytilus soleniformis Orbigny, 1846: 649, pl. 85, f. 17, 18; *Adula soleniformis panamensis* Olsson, 1961: 132, pl. 16, f. 3, a. 5S-8N: 1N. Intertidal. +14° +31°C Recent.
- Genus *Lithophaga* Röding, 1798.
- Subgenus *Diberus* Dall, 1898.
- Lithophaga canalifera* (Hanley, 1843).
Modiola canalifera Hanley, 1843: 239, pl. 24, f. 22; *part. M. appendiculata auctt.* not Philippi, 1846 (Caribbean). 1S-9N: 4N Intertidal. +20° +31°C Recent.
- Lithophaga patagonica* (Orbigny, 1846).
Lithodomus patagonicus Orbigny, 1846: 650, pl. 85, f. 19, 20. South Atlantic. 47S-56S: 52S Intertidal -1° +18°C Recent.
- Lithophaga plumula* (Hanley, 1844).
Lithodomus plumula Hanley, 1844: 17; *part. Modiola teres auctt.* not Philippi, 1846 (IndoPacific); *Lithodomus subula* Reeve, 1857: 10 *Lithodomus* pl. 4, sp. 26; *Lithophaga plumula kelseyi* Hertlein & Strong, 1946: 75, pl. 1, f. 9. Clipperton, Galapagos Islands. 4S-40N: 18N Intertidal-40 m. 0 +29°C Pliocene.
- Subgenus *Labis* Dall, 1916.
- Lithophaga peruviana* (Orbigny, 1846).
Lithodomus peruvianus Orbigny, 1846: 651; *Modiola attenuata* Philippi, 1847: 148, pl. 1, f. 6 not Deshayes, 1836; *Lithodomus cumingianus* Reeve, 1857: 10 *Lithodomus* pl. 21, sp. 8a, b (Dunker, MS). Cocos Island. 12S-18S: 15S Intertidal-25 m. +15° +31°C Recent.
- Lithophaga rogersi* Berry, 1957. *Lithophaga (Labis) attenuata rogersi* Berry, 1957: 76. 17N-33N: 2-15 m. +40 +31°C Recent.
- Subgenus *Leiosolemus* Carpenter, 1856.
- Lithophaga hancocki* Soot-Ryen, 1955.
Lithophaga (Leiosolenus) hancocki Soot-Ryen, 1955: 102, pl. 10, f. 60. Clipperton, Galapagos Islands. 1S-9N: 4N 10-35 m. +12° +29°C Recent.
- Lithophaga spatiosa* (Carpenter, 1857).
Leiosolenus spatiosus Carpenter, 1857b: 130; *Lithophagus rugiferus* Carpenter, 1857b: 125 *nom. nud.* (Dunker MS); *Lithophrya abboti* Lowe, 1935: 17, pl. 1, f. 5. 2S-31N: 15N Intertidal-27 m. +13° +33°C Recent.
- Subgenus *Myoforceps* Fischer, 1886.
- Lithophaga aristata* (Dillwyn, 1817).
Mytilus aristatus Dillwyn, 1817: 303 (Solander MS); *Modiola caudigera* Lamarck, 1819: 116; *Lithophagus caudatus* Gray in King, 1827: 477; *L. aristatus gracilior* Carpenter, 1857b: 129; *L. aristatus tumidior* Carpenter, 1857b: 129; *Dactylus carpenteri* Mørch, 1861: 206; *Lithophaga incurva* Gabb, 1861: 377 p. 147-180. Cocos, Galapagos Island. 4S-33N: 15N Intertidal-20 m. +2° +32°C. Recent.
- Subgenus *Rudiphaga* Olsson, 1961.
- Lithophaga hastasia* Olsson, 1961.
Lithophaga (Rudiphaga) hastasia Olsson, 1961: 139, pl. 15, f. 5a-f. 1N-9N: 5N Intertidal +21° +31°C. Recent.
- Subgenus *Stumpiella* Soot-Ryen, 1955.
- Lithophaga calyculata* (Carpenter, 1857).
Lithophagus calyculatus Carpenter, 1857b: 124. Clipperton, Galapagos Islands. 1S-28N: 14N Intertidal-5 m. +13° +32°C. Recent.
- Order PTERIOIDA Newell, 1965.
emend. Waller, 1978.
- Suborder PTERIINA Newell, 1965.
emend. Waller, 1978.
- Superfamily PTERIACEA Gray, 1847.
nom. transl. Dall, 1894 *ex* Pteriidae.
- Family Pteriidae Gray, 1847.
nom. correct. Meek, 1864 *pro* Pteriadae Gray not Pteriidae Broderip, 1839 (ICZN 402).
- Genus *Pteria* Scopoli, 1777.
- Pteria cumingii* (Reeve, 1857).
Avicula cumingii Reeve, 1857: 10 *Avicula* pl. 4, sp. 6. Extralimital. Indo-Pacific.
- Pteria sterna* (Gould, 1851).²²
Avicula sterna Gould, 1851: 93; *part. A. heteroptera auctt.* not Lamarck, 1819; *part. A. atlantica auctt.* not Lamarck, 1819; *A. (Meleagrina) fimbriata* Dunker, 1852: 79 not Reeve, 1857; *A. peruviana* Reeve, 1857: 10 *Avicula* pl. 14, sp. 53; *A. eximia* Reeve, 1857: 10 *Avicula* pl. 16, sp. 62 not Verneuil in Murchison, 1845; *A. libella* Reeve, 1857: 10 *Avicula* pl. 17, sp. 69; *A. vivesi* Rochebrune, 1895: 240; *Pteria rositae* Hertlein, 1928: 150, pl. 25, f. 3; *P. beiliana* Olsson, 1961: 146, pl. 18, f. 5a-c. 5S-34N: 13N. 5-35 m. +10° +30°C. ?Miocene.
- Pteria viridizona* Dall, 1916.²³
Pteria viridizona Dall, 1916a: 15 *nom. nud.*; 1916b: 403 (*viridizona nom. null.*) Extralimital.
- Genus *Pinctada* Röding, 1798.
- Pinctada mazatlanica* (Hanley, 1856).
Meleagrina mazatlanica Hanley, 1856b: 388, pl. 24, f. 40; *part. Mytilus margaritifera auctt.* not Linné, 1758 (Indo-Pacific); *part. Avicula (Meleagrina) fimbriata auctt.* not Dunker, 1852: *A. barbata* Reeve, 1857: 10 *Avicula* pl. 5, sp. 9. Clipperton, Galapagos Islands. 5S-29N: 12N. 5-30 m. +12° +31°C. Pliocene.
- Family Isognomonidae Woodring, 1925.
- Genus *Isognomon* [Lightfoot, 1786.]
- Subgenus *Isognomon s.s.*

- Isognomon californicum* (Conrad, 1837).
Perna californica Conrad, 1837:245, pl. 19, f. 13; *P. hawaiiensis* Pease, 1871: 25. Extralimital. Hawaii.
- Isognomon costellatum* (Conrad, 1837).
Perna costellata Conrad, 1837: 246. Extralimital. Hawaii.
- Isognomon gaudichaudi* (Orbigny, 1842).
Perna gaudichaudi Orbigny, 1842: 131, pl. 15, f. 14-16; *part. P. chemnitzianus auctt.* not Orbigny in Sagra, 1845 (Caribbean); *part. P. bicolor auctt.* not A. Adams, 1845; *Melina araucana* Philippi, 1887: 208, pl. 45, f. 4; *M. pusilla* Philippi, 1887: 208, pl. 45, f. 5; *part. Perna recognita auctt.* not Mabille, 1895: 72. 24S-33S: 29S. Intertidal-10 m. +11° +27°C. Pleistocene.
- Isognomon janus* Carpenter, 1857.
Isognomon janus Carpenter, 1857b: 151; ?*Perna anomioides* Reeve, 1858: 11 *Perna* pl. 3, sp. 11. 16N-34N: 25N. 1-35 m. +11° +30°C. Pliocene.
- Isognomon quadratus* (Anton, 1837).
Perna quadrata Anton, 1837: 285; *part. Ostrea legumen auctt.* not Gmelin, 1791 (Indo-Pacific); *part. Perna chemnitziana auctt.* not Orbigny in Sagra, 1845; *part. Perna linguiformis auctt.* not Reeve, 1858; *part. P. quadrangularis* Reeve, 1858: 11 *Perna* pl. 20, sp. 6; *P. recognita* Mabille, 1895: 72. Cocos, Galapagos Islands. 2S-26N: 12N. Intertidal-5 m. +13° +32°C. Recent. Family Vulsellidae H. Adams & A. Adams, 1857. Genus *Malleus* Lamarck, 1799. Subgenus *Malvufundus* Gregorio, 1885.
- Malleus regulus* (Forskål, 1775).
Ostrea regula Forskål, 1775: 124; *Vulsella nuttallii* Conrad, 1837: 257, pl. 20, f. 10; *Avicula candeana* Orbigny in Sagra, 1846: 343, pl. 28, f. 25-27 (Caribbean); *Malleus tigrinus* Reeve, 1858: 11 *Malleus* pl. 3, sp. 7; *M. rufipunctatus* Reeve, 1858: 11 *Malleus* pl. e, sp. 8; *M. aquatilis* Reeve, 1858: 11 *Malleus* pl. 3, sp. 11; *M. vesiculatus* Reeve, 1858: 11 *Malleus* pl. 3, sp. 12; *M. panamensis* Mørch, 1861: 209; *M. obvolutus* Foltz, 1867b: 27, pl. 4, f. 6, 8. Cosmopolitan in warm water. 9N-23N: 16N. 1-50 m. +12° +30°C. Recent. Genus *Vulsella* Röding, 1798. *Vulsella pacifica* Dall, 1916.²⁴ *Vulsella pacifica* Dall, 1916b: 403. Extralimital? Suborder PINNINA Waller, 1978. Superfamily Pinnacea Leach, 1819. *nom. transl.* Newell, 1965 ex Pinnidae. Family Pinnidea Leach, 1819. Genus *Atrina* Gray, 1842. *Atrina listeri* (Orbigny, 1846).²⁵ *Pinna listeri* Orbigny, 1846: 641, pl. 85, f. 1. Extralimital. Atlantic. *Atrina maura* (Sowerby, 1835). *Pinna maura* Sowerby, 1835: 84; *part. P. rudis auctt.* not Linné, 1758 (Atlantic); *P. lanceolata* Sowerby, 1835: 84 not Sowerby, 1821; *P. cumingii* Reeve, 1858: 11 *Pinna* pl. 16, sp. 29 (Hanley MS). 3S-26N: 11N. 2-10 m. +12° +30°C. Recent. *Atrina oldroydii* Dall, 1901. *Atrina oldroydii* Dall, 1901b: 143; *part. Pinna saccata auctt.* not Linne, 1758 (Indo-Pacific). 25N-34N: 30N. 5-30 m. +10° +28°C. Recent. *Atrina texta* Hertlein, Hanna, & Strong, 1943. *Atrina texta* Hertlein, Hanna, & Strong in Hertlein & Strong, 1943: 166, pl. 1, f. 9, 10. Galapagos Islands. 1S-23N: 12N. 5-20 m. +12° +28°C. Recent. *Atrina tuberculosa* (Sowerby, 1835). *Pinna tuberculosa* Sowerby, 1835: 84. Galapagos Islands. 5S-28N: 12N. 1-10 m. +10° +31°C. Pliocene. Genus *Pinna* Linné, 1758. Subgenus *Pinna s.s.* *Pinna rugosa* Sowerby, 1835. *Pinna rugosa* Sowerby, 1835: 84. Clipperton Island. 10N-28N: 19N. Intertidal-5 m. +17° +30°C. Pleistocene. Order LIMOIDA Waller, 1978. Superfamily LIMACEA Rafinesque, 1815 *nom. transl.* Newell, 1969 ex Limidae. Family Limidae Rafinesque, 1815. *nom. correct.* Orbigny, 1846 pro Limaridia. Genus *Acesta* H. Adams & A. Adams, 1858. Subgenus *Acesta s.s.* *Acesta diomedae* (Dall, 1908). *Lima (Acesta) diomedae* Dall., 1908c: 407, pl. 7, f. 2. Galapagos Islands. 1S 704 m. +5° +8°C. Recent. *Acesta mori* (Hertlein, 1952). *Lima (Acesta) mori* Hertlein, 1952: 379, pl. 20, f. 12, 13. 37N. 1263-1464 m. +2°C. Recent. *Acesta patagonica* (Dall, 1902).²⁶ *Lima patagonica* Dall, 1902b: 16 not Ihering, 1907; *part. L. goliath auctt.* not Sowerby, 1883 (Japan); *part. L. excavata auctt.* not Jeffreys, 1879 not Fischer, 1807 (Atlantic); *L. agassizii* Dall, 1902b: 16. (9N) 14S-53S: 33S. 600-2200 m. +1° +7°C. Recent. Subgenus *Plicacesta* Vokes, 1963. *Acesta sphoni* (Hertlein, 1963). *Lima (Plicacesta) sphoni* Hertlein, 1963: 3, f. 1-3. 33N. 457-549 m. +4° +9°C. Recent. Genus *Lima* Bruguière, 1797. Subgenus *Lima s.s.* *Lima tetrica* Gould, 1851. *Lima tetrica* Gould, 1851: 93; *part. L. squamosa auctt.* not Lamarck, 1819 (Atlantic). Galapagos Islands. 2S-30N: 14N. 5-110 m. +8° +31°C. Pleistocene. Genus *Limaria* Link, 1807. Subgenus *Limaria s.s.* *Limaria hemphilli* (Hertlein & Strong, 1946). *Lima (Limaria) hemphilli* Hertlein & Strong, 1946: 66, pl. 1, f. 3, 4; *part. L. hians auctt.* not Gmelin, 1741; *part. L. dehiscens auctt.* not Conrad, 1837; *part. L. orientalis auctt.* not Adams & Reeve, 1850. 17N-37N: 27N. 15-100 m. +5° +26°C. Recent. Genus *Limatula* Wood, 1839. *Limatula attenuata* Dall, 1916. *Limatula attenuata* Dall, 1916a: 17 *nom. nud.*; 1916b: 404. 52N-54N: 53N. 15-25 m. -1° +12°C. ?Pleistocene. *Limatula pygmaea* (Philippi, 1845). *Lima pygmaea* Philippi, 1845b: 56; *Limatula falklandica* A. Adams, 1863: 509; *Linea martiali* Mabille & Rochebrune in Rochebrune &

- Mabille, 1889: 124; *Lima* (*Limatula*) *hodgsoni* E. A. Smith, 1907: 6, pl. 3, f. 8, a, b.
- Antarctic Ocean.
- 43S–56S: 50S. 100–300 m. +1° +10°C. Recent.
- Limatula saturna* Bernard, 1978.
Limatula saturna Bernard, 1978: 71, f. 8, 17.
45N–49N: 47N. 10–50 m. +6° +14°C. Recent.
- Limatula similis* (Dall, 1908).
Lima (*Limatula*) *similis* Dall, 1908c: 408.
9S–28N: 10N. 55–110 m. +9° +15°C. Recent.
- Limatula subauriculata* (Montagu, 1808.)
Pecten subauriculata Montagu, 1808: 63, pl. 29, f. 2.
- Circumboreal.
- 37N–60N: 48N. 50–350 m. –2° +11°C. Recent.
- Limatula vancouverensis* Bernard, 1978.
Limatula vancouverensis Bernard, 1978: 72, f. 9, 18.
46N–50N: 48N. 2000–2200 m. +1° +2°C. Recent.
- Genus *Promantellum* Iredale, 1939.
- Promantellum orbigny* Lamy, 1930.
Lima (*Mantellum*) *orbigny* Lamy, 1930b: 180; *L. angulata* Sowerby, 1843: 86 not Münster, 1841.
- Galapagos Islands.
- 34S–31N: 3N. 5–30 m. +9° +31°C. Recent.
- Promantellum pacifica* (Orbigny, 1846).
Lima pacifica Orbigny, 1846: 654; *L. arcuata* Sowerby, 1843: 86, pl. 22, f. 41, 42; *L. galapagensis* Pilsbry & Vanatta, 1902: 556, pl. 35, f. 4.
- Galapagos Islands.
- .5S–31N: 13N. Intertidal–2 m. +5° +34°C. Recent.
- Order OSTREOIDA Waller, 1978.
- Suborder OSTREINA Férussac, 1822.
emend. Waller, 1978.
- Superfamily OSTREACEA Rafinesque, 1815.
nom. transl. Waller, 1978 *ex* Ostreidae.
- Family Ostreidae Rafinesque, 1815.
nom. correct. Gray, 1833 *pro* Ostreacia (Off. List, ICZN Op. 356).
- Subfamily Ostreinae Rafinesque, 1815.
nom. transl. Vyalov, 1936 *ex* Ostreidae.
- Genus *Agerostrea* Vyalov, 1936.
- Agerostrea megodon* (Hanley, 1846).
Ostrea megodon Hanley, 1846: 106 (*megodon nom. van. auctt.*); *O. gallus* Valenciennes, 1846: pl. 21; *O. veatchi* Gabb, 1869: 34, pl. 11, f. 59; *O. carrossensis* Gabb, 1869: 35, pl. 11, f. 61.
5S–28N: 12N. 5–20 m. +10° +31°C. Pliocene.
- Genus *Crassostrea* Sacco, 1897.
- Crassostrea callichroa* (Hanley, 1846).
Ostrea callichroa Hanley, 1846a: 107; *O. cibialis* Hupé in Gay, 1854: 281, pl. 5, f. 1; *O. longiscula* Hupé in Gay, 1854: 282, pl. 5, f. 3.
30S–42S: 36S. Intertidal +4° +25°C. Recent.
- Crassostrea columbiensis* (Hanley, 1846).²⁷
Ostrea columbiensis Hanley, 1846: 107; *part. O. rosacea auctt.* not Gmelin, 1791 not Deshayes in Lamarck, 1836; *O. aequatorialis* Orbigny, 1846: 672; *O. ochracea* Sowerby in Reeve, 1871: 18 *Ostrea* pl. 10, sp. 19; *O. tulipa* Sowerby in Reeve, 1871: 18 *Ostrea* pl. 18, sp. 39.
- Galapagos Islands.
- 5S–28N: 12N. Intertidal–5 m. +10° +29°C. Recent.
- Crassostrea corteziensis* (Hertlein, 1951).²⁸
Ostrea corteziensis Hertlein, 1951: 68, pl. 24, f. 1, 2, pl. 25, pl. 26, f. 7; *part. O. chilensis auctt.* not Philippi, 1844.
3S–31N: 14N. Intertidal. +13° +33°C. Pliocene.
- Crassostrea gigas* (Thunberg, 1793).²⁹
Ostrea gigas Thunberg, 1793: 140, pl. 6, f. 1–3 not Meuschen, 1781 (*nom. binom.*) (ICZN Op. 261); *O. laperosii* Schrenck, 1861: 411; *O. italienwhanensis* Crosse, 1862: 149, pl. 6, f. 6; *O. posjetica* Raugh, 1934: 36, pl. 10
- Introduced to Northwest Pacific.
- 38N.60N. Intertidal–6 m. –4° +24°C. Recent.
- Crassostrea palmula* (Carpenter, 1857).
Ostrea conchaphila palmula Carpenter, 1857b: 163; *part. O. folium auctt.* not Linné, 1758 (Indo-Pacific); *O. panamensis* Carpenter, 1864a: 24 (*sp. ind.* Adams, 1852); *O. amara* Carpenter, 1864a: 24 (*sp. ind.* 215, Carpenter 1857).
- Cocos, Galapagos Islands.
- 1S–25N: 12N. 1–7 m. +12° +31°C. Pliocene.
- Crassostrea rivularis* (Gould, 1861).
Ostrea rivularis Gould, 1861: 39 (*revularis nom. null. auctt.*)
- Northwest Pacific.
- Introduced to Washington and British Columbia; not established.
- Crassostrea virginica* (Gmelin, 1791).
Ostrea virginica Gmelin, 1791: 3336 (*virginiana nom. van. auctt.*) not *O. virginica californica* Marcou, 1858.
- Northwest Atlantic.
Intertidal
- Introduced to many west coast locations, a small population established in British Columbia.
- Genus *Hyotissa* Stenzel, 1971.
- Hyotissa hyotis* (Linné 1758)
Mytilus hyotis Linné, 1758: 704
- Clipperton, Galapagos Islands
- 1S.10N. 2–25 m. +12° +28°C. Recent
- Hyotissa solida* (Sowerby, 1871).
Ostrea solida Sowerby in Reeve, 1871: 18 *Ostrea* pl. 14, sp. 28; *part. O. sinensis auctt.* not Gmelin, 1791 (Indian Ocean); *part. O. turbinata auctt.* not Lamarck, 1819 29 (Indo-Pacific); *O. jacobaea* Rochebrune, 1895: 1 not Linné, 1758; *O. fischeri* Dall, 1914: 1.
- Galapagos Islands.
- 1S–28N: 14N. Intertidal. +8° +30°C. Pleistocene.
- Genus *Tiostrea* Chanley & Dinamani, 1980.
- Tiostrea chilensis* Philippi, 1845.
Ostrea chilensis Philippi, 1845: 74, pl. 13, f. 78 not *O. chillyensis* Terguem & Piette, 1865; *part. O. edulis auctt.* not Linné, 1758 (Atlantic); *O. chiloensis* Reeve, 1871: 18 *Ostrea* pl. 15, sp. 33.
30S–42S: 36S. Intertidal. +4° +27°C. Pleistocene.
- Genus *Ostrea* Linné, 1758.
- Subgenus *Ostrea s.s.*
- Ostrea conchaphila* Carpenter, 1857.
Ostrea conchaphila Carpenter, 1857b: 161; *O. multistriata auctt.* not Hanley, 1845 not Deshayes, 1830; *O. procella* Lamy, 1929: 106 (Valenciennes MS).
8N–31N: 20N. Intertidal–40 m. +15° +34°C. Pliocene.
- Ostrea edulis* Linné, 1758.
Ostrea edulis Linné, 1758: 699.
Introduced to several west coast Atlantic locations but not established.
- Ostrea lurida* Carpenter, 1864.
Ostrea lurida Carpenter, 1864c: 599, 606, 615, 645; *part. O. edulis auctt.* not Linné, 1758 (Atlantic); *part. O. palmula auctt.* not Carpenter, 1857; *part. O. conchaphila auctt.* not Carpenter, 1857; *O. lurida laticaudata* Carpenter, 1864c: 527, 615, 646 (Nuttall MS); *O. lurida rufoides* Carpenter, 1864c: 542, 615, 646; *O. lurida expansa* Carpenter, 1864c: 615, 646 not Sowerby, 1819; *Monoeciostrae vancouverensis* Orton, 1928: 320 *nom. van.*
33N–57N: 45N. Intertidal–50 m. –3° +28°C. Miocene.

Ostrea tubulifera Dall, 1914.³⁰
Ostrea tubulifera Dall, 1914: 3.
Extralimital?

Genus *Striostrea* Vyalov, 1936.

Striostrea prismatica (Gray, 1825).

Ostrea prismatica Gray, 1825: 139; *part. O. spathulata* auctt. not Lamarck, 1819; *part. O. puelchana* auctt. not Orbigny, 1841 (Atlantic); *O. iridescens* Hanley, 1854: pl. 2, f. 6, 7, (Gray MS); *O. virginica californica* Marcou, 1858: 32, p. 15, f. 2a; *O. lucasiana* Rochebrune, 1895: 241; *O. turturina* Rochebrune, 1895: 242.

Galapagos Islands.

4S-24N: 10N. Intertidal. +12° +32°C. Pliocene.

Subfamily Lophinae Vyalov, 1936.

Genus *Lopha* Röding, 1798.

Subgenus *Lopha s.s.*

Lopha angelica (Rochebrune, 1895).

Ostrea angelica Rochebrune, 1895: 241; *part. O. cumingiana* auctt. not Dunker, 1846 (Indo-Pacific); *part. O. veatchi* auctt. not Gabb, 1866. 3S-29N: 13N. 1-5 m. +13° +32°C. Pliocene.

Lopha folium (Linné, 1758).³¹

Ostrea folium Linné, 1758: 699; *Mytilus frons* Linné, 1758: 704; *M. cristagalli* Linné, 1758: 704; *Ostrea serra* Dall, 1914: 2 not Lamarck, 1819; *O. dalli* Lamy, 1930a: 252; *O. (Pretostrea) bresia* Iredale, 1939: 396, pl. 7, f. 4.

Cosmopolitan in warm waters.

8N. 2-10 m. +25° +31°C. Recent.

Superfamily Dimyacea Fischer, 1886.

nom. transl. Waller, 1978 ex Dimyidae.

Family Dimyidae Fischer, 1886.

Genus *Dimya* Rouault, 1850.

Dimya californica Berry, 1937.

Dimya californica Berry, 1937: 126, pl. 13. 29N-34N: 31N. 85-1250 m. +4° +22°C. Recent.

Dimya coralliotis Berry, 1944.

Dimya coralliotis Berry, 1944: 25, f. 1-4. 32N-34N: 33N. 70-185 m. +7° +26°C. Recent.

Superfamily Plicatulacea Gray, 1854

emend. Yonge, 1955, *emend.* Waller, 1978.

Family Plicatulidae Gray, 1854.

nom. transl. Iredale, 1939 ex Plicatulinae.

Genus *Plicatula* Lamarck, 1801.

Subgenus *Plicatula s.s.*

Plicatula anomioides Keen, 1958.

Plicatula anomioides Keen, 1958: 241, pl. 31, f. 4, 7, 8. 23N-28N: 25N. Intertidal. +18° +33°C. Recent.

Plicatula inezana Durham, 1950.

Plicatula inezana Durham, 1950: 69, pl. 18, f. 1, 3, 6; *part. P. spondylopsis* auctt. not Rochebrune, 1895. 17N-26N: 21N. 45-140 m. +13° +29°C. Pleistocene.

Plicatula penicillata Carpenter, 1857.

Plicatula penicillata Carpenter, 1857b: 155.

Galapagos Islands.

0-2S: 1S. Intertidal. +19° +31°C. Pliocene.

Plicatula spondylopsis Rochebrune, 1895.

Plicatula spondylopsis Rochebrune, 1895: 242; *part. P. gibbosa* auctt. not Lamarck, 1801 (Caribbean); *P. dubia* auctt. not Hanley, 1847; *P. ostreivaga* Rochebrune, 1895: 242.

Galapagos Islands.

1S-26N: 13N. Intertidal-5 m. +26° +31°C. Pliocene.

Suborder PECTININA Waller, 1978.

Superfamily PECTINACEA Rafinesque, 1815.

nom. transl. et correct. Dall, 1896 ex Pectenina.

Family Pectinidae Rafinesque, 1815.

nom. correct Orbigny, 1839 *pro* Pectenidae. *emend.* Waller, 1978.

Subfamily Chlamydiae Korobkov, 1957.

nom. correct Korobkov, 1960 *ex* Chlamysinae.

Genus *Argopecten* Monterosato, 1889.

Argopecten circularis (Sowerby, 1835).

Pecten circularis Sowerby, 1835: 110 not Goldfuss, 1836; *P. tumidus* Sowerby, 1835: 109 not *Ostrea tumida* Turton, 1819 not *Pecten tumidus* Hartmann in Zieten, 1833; *P. ventricosus* Sowerby, 1842: 51, pl. 12, f. 18, 19, 26; *P. pomatia* Valenciennes in Petit-Thouars, 1846: pl. 19, f. 3; *P. inca* Orbigny, 1846: 663; *P. solidulus* Reeve, 1853: 8 *Pecten* pl. 32, sp. 155; *P. ventricosus aequisulcatus* Carpenter, 1864b, 1898: 536, 540, 592, 599; *P. (Plagioctenium) subventricosus* Dall, 1898: 707, pl. 29, f. 8; *P. compactus* Dall, 1898: 707, pl. 34, f. 5; *P. newsomi* Arnold, 1903: 113, pl. 11, f. 1, a; *P. filitextus* Li, 1930: 255, pl. 2, f. 10.

Galapagos Islands.

5S-30N: 12N. Intertidal-150 m.+10° +30°C Pliocene.

Argopecten purpuratus (Lamarck, 1819).

Pecten purpuratus Lamarck, 1819: 166. 6S-30N: 12N. 5-95 m. +8° +28°C Pliocene.

Argopecten tehuelchus (Orbigny, 1846).

Pecten tehuelchus Orbigny, 1846: 662, pl. 85, f. 21-24.

South Atlantic.

53S-55S: 54S. 5-10 m. +1° +9°C. Recent.

Genus *Chlamys* Röding, 1798.

Subgenus *Chlamys s.s.*

Chlamys albida (Arnold, 1906).

Pecten (Chlamys) hastatus albidus Arnold, 1906: 136, pl. 52, f. 2, a (Dall MS); *P. (Chlamys) erythrocomatus* Dall, 1907b: 170; *Chlamys (Chlamys) wainwrightensis* McNeil, 1967: 27, pl. 18, f. 3, pl. 19, f. 8, 9, pl. 23, f. 4, 5.

Northwest Pacific.

54N-71N: 62N. 100-200 m. -2° +6°C. Recent.

Chlamys behringiana (Middendorff, 1849).

Pecten islandicus behringiana Middendorff, 1849: 528, pl. 3, f. 1-3 (*beringiana nom. van. auctt.*); *P. hericius strategus* Dall, 1898: 709; *Chlamys (Chlamys) beringiana graui* MacNeil, 1967: 26; *C. (Chlamys) beringiana unalaskae* MacNeil, 1967: 27, pl. 20, f. 1, 3, 4.

Western Bering Sea.

53N-71N: 62N. 40-150 m. -1° +12°C. Pliocene.

Chlamys hastata (Sowerby, 1843).

Pecten hastatus Sowerby, 1843: 72, pl. 20, f. 236; *P. comatus* Valenciennes in Petit-Thouars, 1846: pl. 18, f. 2 not Münster in Goldfuss, 1833; *P. rastellinum* Valenciennes in Petit-Thouars, 1846: pl. 19, f. 4; *P. hericius* Gould, 1850: 345; (*hericeus nom. van. auctt.*); *P. altiplicatus* Conrad, 1857: 191, pl. 3, f. 2; *P. islandicus pugetensis* Oldroyd, 1920: 136, pl. 4, f. 5, 6. 33N-60N: 46N. 2-150 m. 0° +23°C. Miocene.

Chlamys incantata Hertlein 1972.

Chlamys incantata Hertlein, 1972a: 2, f. 1-5

Galapagos Islands.

1S 200 m. Recent.

Chlamys islandica (Müller, 1776).³²

Pecten islandicus Müller, 1776: 248; *P. rubidus* Martyn, 1784: pl. 153, f. 1 (*non binom.*) not Hinds, 1845; *Ostrea cinnabarina* Born, 1780: 103; *Pecten pealeii* Conrad, 1831b: 12, pl. 2, f. 2; *Chlamys islandica insculpta* Verrill, 1897: 73, pl. 16, f. 4, 5, a; *C. costellata* Verrill, 1897: 75; *C. (Chlamys) pseudislandica* MacNeil, 1967: 31, pl. 31, f. 7, pl. 20, f. 8; *C. (Chlamys) pseudislandica plafkeri* MacNeil, 1967: 32, pl. 12, f. 1, 2, 6.

7, pl. 13, f. 1, 2; *C. (Chlamys) pseudislandica arconis* MacNeil, 1967: 33, pl. 23, f. 7, 8; *C. (Chlamys) islandica thulensis* MacNeil, 1967: 34, pl. 18, f. 2.

Panarctic, Circumboreal

64N-70N: 67N. 5-150 m. -4° +14°C. Pliocene.

Chlamys jordani Arnold, 1903.

Pecten (Chlamys) jordani Arnold, 1903: 111, pl. 12, f. 6, 7; part. *P. rubidus* auctt. not Hinds, 1845. 48N-52N: 50N. 2-60 m. -1° +20°C. Pliocene.

Chlamys lowei (Hertlein, 1935).

Pecten (Chlamys) lowei Hertlein, 1935: 308, pl. 19, f. 1, 2, 7, 8.

Galapagos Islands.

1S-33N: 16N. 2-175 m. +10° +29°C. Recent.

Chlamys rubida (Hinds, 1845).

Pecten rubidus Hinds, 1845: 61 not Martyn, 1784 (*non binom.*); part. *P. fabricii* auctt. not Philippi, 1844; *P. hindsii* Carpenter, 1864c: 574 606, 645; *P. hericeus navarchus* Dall, 1898: 708; *P. kincaidi* Oldroyd, 1920: 135, pl. 4, f. 3, 4; *P. (Chlamys) islandicus piceonis* Waterfall, 1929: 79, 83, pl. 5, f. 2, 4; *Chlamys durhami* Adegoke, 1969: 97, pl. 2, f. 5.

Northwest Pacific.

33N-58N: 46N. 1-200 m. +1° +17°C. Miocene.

Chlamys squarosa (Carpenter, 1865).

Pecten squarosus Carpenter, 1864c: 536 *nom. nud.*; Carpenter, 1865b: 179 *Extralimital. nom. dub.*

Subgenus *Hinnites* DeFrance, 1821.³³

Chlamys gigantea (Gray, 1825).

Lima gigantea Gray, 1825: 139 not preoc. *Plagiostoma gigantea* Sowerby, 1814; *Hinnita poulsoni* Conrad, 1834: 182 not *Pecten poulsoni* Morton, 1834; *Hinnites crassa* Conrad, 1857b: 190, pl. 2, f. 1 not *Pecten crassus* Risso, 1826; *Pecten (Chlamys) multirugosus* Gale, 1928: 92; *P. (Chlamys) multirugosus crassiplicatus* Gale, 1928: 93; *Hinnites benedicti* Adegoke, 1969: 103, pl. 3, f. 3, 5. 25N-60N: 43N. Intertidal 2-80 m +4° +29°C. Miocene.

Subgenus *Zygochlamys* Ihering, 1907.

Chlamys darwinii (Reeve, 1853).

Pecten darwinii Reeve, 1853: 8 *Pecten* pl. 17, sp. 62. 53S. depth unknown. Recent.

Chlamys lishkei (Dunker, 1850).

Pecten lishkei Dunker, 1850: 32, f. 4; *P. australis* Philippi, 1845: 56 not Sowerby, 1842 (Indo-Pacific); *P. rosaceus* Stempel, 1899: 228 not *P. varius rosacea* Locard, 1888; *P. (Chlamys) amandi* Hertlein, 1935: 305. 45S-50S: 47S. 15-50 m. +2° +13°C. Recent.

Chlamys patagonica (King & Broderip, 1832).

Pecten patagonicus King and Broderip, 1832: 337; ?*P. rufiradiatus* Reeve, 1853: 8 *Pecten* pl. 32, sp. 147.

South Atlantic.

42S-54S: 48S 15-25 m +1° +16°C. Recent.

Chlamys patriae Doello-Jurado, 1918.

Chlamys patriae Doello-Jurado, 1918: 269; *Pecten magellanicus* Bosc, 1801: 261 not *Ostrea magellanica* Gmelin, 1791. 35S-53S: 44S. 20-120 m. +2° +14°C. Recent.

Chlamys phalara Roth, 1975.

Chlamys phalara Roth, 1975: 81, pl. 6, f. 1-14; part. *Pecten (Chlamys) amandi* auctt. not Hertlein, 1935. 33S-45S: 39S. 5-300 m. +1° +19°C. Recent.

Genus *Leptopecten* Verrill, 1897.

Subgenus *Leptopecten* s.s.

Leptopecten biolleyi (Hertlein & Strong, 1946).

Pecten (Leptopecten) velero biolleyi Hertlein & Strong, 1946: 60, pl. 1, f. 6. 2S-32N: 17N. 15-220 m. +8° +29°C. Recent.

Leptopecten camerella (Berry, 1968).

Aequipecten (Leptopecten) camerella Berry, 1968: 155. 24N. 65-73 m. +13° +28°C. Recent.

Leptopecten euterpes (Berry, 1957).

Pecten (Leptopecten) euterpes Berry, 1957: 75. 17N-28N: 22N. 10-190 m. +10° +29°C. Recent.

Leptopecten lataiuratus (Conrad, 1837).

Pecten lataiuratus Conrad, 1837: 238, pl. 18, f. 9 (*lataiuritus* *nom. van. auctt.*); *P. monotimeris* Conrad, 1837: 238, pl. 18, f. 10; *P. tunica* Philippi, 1844: 100, pl. 1, f. 3; *P. lataiuritus fucicolus* Dall, 1898: 710; *P. (Chlamys) lataiuritus fragilis* Arnold, 1903: 112, pl. 12, f. 8 not *P. fragilis* DeFrance, 1825; *P. (Chlamys) lataiuritus bellilamellatus* Arnold, 1903: 108, pl. 41, f. 6, a; *P. (Chlamys) lataiuritus cerritensis* Arnold, 1906: 129, pl. 46, f. 6, 7; *P. (Chlamys) lataiuritus delosi* Arnold, 1906: 130, pl. 46, f. 9, a, 10, a. 23N-38N: 30N. 1-250 m. +4° +24°C. Miocene.

Leptopecten palmeri (Dall, 1897).

Pecten palmeri Dall, 1897c: 85. 31N. Intertidal-90 m. +22° +33°C. Recent.

Leptopecten velero (Hertlein, 1935).

Pecten (Leptopecten) velero Hertlein, 1935: 316, pl. 19, f. 13, 14. 4S-29N: 12N. 5-85 m. +13° +31°C. Recent.

Subgenus *Pacipecten* Olsson, 1961.

Leptopecten tumbezensis (Orbigny, 1846).

Pecten tumbezensis Orbigny, 1846: 663; *P. aspersus* Sowerby, 1835: 110 not Lamarck, 1819 (*adspersus* *nom. null. auctt.*); *P. sowerbyi* Reeve, 1852: 8 *Pecten* pl. 1, sp. 4; *P. paucicostatus* Carpenter, 1864c: 536, 614, 645; *P. lataiuritus splendens* Li, 1930: 256, pl. 2, f. 12; *P. lataiuritus indentus* Li, 1930: 256, pl. 2, f. 13. 5S-31N: 13N. 2-128 m. +9° +31°C. Pliocene.

Genus *Lyropecten* Conrad, 1862.

Subgenus *Nodipecten* Dall, 1898.

Lyropecten magnificus (Sowerby, 1835).

Pecten magnificus Sowerby, 1835: 109 not Michelottis, 1839.

Galapagos Islands.

0-1S. 120-200 m. +10° +27°C. Pliocene.

Lyropecten subnodosus (Sowerby, 1835).

Pecten subnodosus Sowerby, 1835: 109; *Lyropecten intermedius* Conrad, 1867a: 7; *Pecten (Lyropecten) pittieri* Dall, 1912a: 10. 5S-28N: 12N. Intertidal-110 m. +10° +27°C. Pliocene.

Genus *Placopecten* Verrill, 1897.

Placopecten magellanicus (Gmelin, 1791).

Ostrea magellanicu Gmelin, 1791: 3317 not *Pecten magellanicus* Bosc, 1801. Extralimital.

Northwest Atlantic.

Genus *Semipallium* Jousseaume, 1928.

Subgenus *Semipallium* s.s.

Semipallium natans (Philippi, 1845).

Pecten natans Philippi, 1845: 57 (*nasans* *nom. null. auctt.*); *P. vitreus* King & Broderip, 1832: 337 not *Ostrea vitrea* Gmelin, 1791; *P. corneus* Sowerby, 1842: 71, pl. 13, f. 44, 45 not Sowerby, 1818; *P. jeffreysi* Gregorio, 1884: 133.

South Atlantic.

43S-50S: 47S. 5-10 m. +2° +14°C. Recent.

Semipallium zeteki (Hertlein, 1935).³⁴

Pecten (Chlamys) zeteki Hertlein, 1935: 306, pl. 19, f. 7; *P. digitatus* Hinds, 1844: 61, pl. 17, f. 2 not *P. digitatum* Perry, 1811 (Indian Ocean). Extralimital.

Subfamily Camptonectinae Habe, 1977.

Genus *Cyclopecten* Verrill, 1897.

Sensu lato.

- Cyclopecten acutus** Grau, 1959.
Cyclopecten acutus Grau, 1959: 31, pl. 10, f. 2.
 3N-7N: 5N. 55-140 m. +13° +27°C. Recent.
- Cyclopecten argenteus** Bernard, 1978.
Cyclopecten argenteus Bernard, 1978: 66, f. 4, 14.
 44N-53N: 49N. 820-1530 m. +1° +8°C. Recent.
- Cyclopecten barbarentis** Grau, 1959.
Cyclopecten barbarentis Grau, 1959: 37, pl. 14, f. 1, 2.
 33N-34N: 33N. 50-55 m. +4° +17°C. Recent.
- Cyclopecten benthalis** Grau, 1959.
Cyclopecten benthalis Grau, 1959: 24, pl. 5.
 33N. 897 m. +6° +8°C. Recent.
- Cyclopecten bistratus** (Dall, 1916).
Pseudamysium bistratum Dall, 1916a: 16 *nom. nud.*; 1916b: 404, not
Pecten bistratus DeFrance, 1825.
 Northwest Pacific.
 23N-46N: 35N. 1100-1160 m. +2° +4°C. Recent.
- Cyclopecten carlottensis** Bernard, 1968.
Cyclopecten carlottensis Bernard, 1968: 1509, f. 1, 2.
 53N-54N: 54N. 1450-1650 m. +1° +3°C. Recent.
- Cyclopecten cocosensis** (Dall, 1908).
Pecten (Cyclopecten) cocosensis Dall, 1908c: 220, 405, pl. 6, f. 1, 2.
 Cocos Island.
 6N. 90-120 m. +14° +27°C. Recent.
- Cyclopecten exquisitus** Grau, 1959.
Cyclopecten exquisitus Grau, 1959: 34, pl. 12.
 Cocos, Galapagos Islands.
 12S-29N: 8N. 20-300 m. +7° +19°C. Recent.
- Cyclopecten graui** Knudsen, 1970.
Cyclopecten (Hyalopecten) graui Knudsen, 1970: 97, pl. 13, f. 1, text-f.
 59, 60.
 6N. 3270-3670 m. +1° +2°C. Recent.
- Cyclopecten imbrifer** (Loven, 1847).³⁵
Pecten imbrifer Loven, 1847: 185.
 Arctic, North Atlantic.
 49N. 2030-2189 m. 2°C. Recent.
- Cyclopecten incongruus** (Dall, 1916).³⁶
Pseudamysium incongruum Dall, 1916a: 16 *nom. nud.*; 1916: 403.
 29N. 1252 m. +2°C. Recent.
- Cyclopecten knudseni** Bernard, 1978.
Cyclopecten knudseni Bernard, 1978: 68, f. 5, 15.
 44N-50N: 47N. 1700-2870 m. +1° +2°C. Recent.
- Cyclopecten liriopae** (Dall, 1908).
Pecten (Pseudamysium) liriopae Dall, 1908c: 220, 407.
 Galapagos Islands.
 1N-7N: 4N. 1460-2320 m. +1° +2°C. Recent.
- Cyclopecten pernomus** (Hertlein, 1935).
Pecten (Cyclopecten) pernomus Hertlein, 1935: 320, pl. 18, f. 11-13; *P.*
(Cyclopecten) rotundus Dall, 1908c: 404 not Hagenow, 1842.
 Galapagos Islands.
 2S-29N: 13N. 2-355 m. +10° +31°C. Recent.
- Cyclopecten polyleptus** (Dall, 1908).
Pecten (Pseudamysium) polyleptus Dall, 1908c: 220, 403, pl. 10, f. 9.
 Galapagos Islands.
 0-52S: 26S. 550-650 m. +1° +7°C. Recent.
- Cyclopecten squamiformis** Bernard, 1978.
Cyclopecten squamiformis Bernard, 1978: 69, f. 6, 16.
 45N-49N: 47N. 2030-2885 m. +1° +3°C. Recent.
- Cyclopecten subhyalinus** (E. A. Smith, 1885).
Pecten subhyalinus E. A. Smith, 1885: 304, pl. 22, f. 2, a.
 51S. 732 m. +1°C. Recent.
- Cyclopecten vitreus** (Gmelin, 1791).³⁷
Ostrea vitrea Gmelin, 1791: 3328 (ex *Pallium vitreum* Chemnitz, 1788);
Chlamys papyracea Röding, 1798: 164; *Pseudamysium gelatinosum*
 Mabilie & Rochebrune in Rochebrune & Mabilie, 1891: 126.
 Cosmopolitan in deep water.
 10S-52S: 21S. 25-425 m. +1° +12°C. Pliocene.
- Cyclopecten zacaе** (Hertlein, 1935).
Pecten (Delectopecten) zacaе Hertlein, 1935: 321; *P. panamensis* Dall,
 1908c: 404, pl. 6, f. 8, pl. 18, f. 3-6 not Dall, 1898.
 Galapagos Islands.
 1N-29N: 14N. 10-700 m. +6° +30°C. Recent.
- Cyclopecten zephyrus** Grau, 1959.
Cyclopecten zephyrus Grau, 1959: 25, pl. 7, f. 1-3.
 33N-36N: 34N. 730-1150 m. +2° +10°C. Recent.
- Genus **Delectopecten** Stewart, 1930.
- Delectopecten randolphi** (Dall, 1897).
Pecten randolphi Dall, 1897c: 86; *P. whiteavesi* Orcutt, 1915: 183 (Dall
 MS); *P. (Pseudamysium) randolphi tillamookensis* Arnold, 1906: 139,
 pl. 4, f. 3, a; *P. (Pseudamysium) arces* Dall, 1913: 592.
 Western Bering Sea.
 28N-58N: 43N. 50-2000 m. +1° +14°C. Recent.
- Delectopecten vancouverensis** (Whiteaves, 1893).
Pecten (Pseudamysium) vancouverensis Whiteaves, 1893: 133, pl. 1,
 f. 1, a; *part. P. alaskensis auctt.* not Dall, 1871.
 27N-60N: 43N. 25-450 m. 0 +16°C. Pliocene.
- Genus **Hyalopecten** Verrill, 1897.
- Hyalopecten neoceanus** (Dall, 1908).
Pecten (Pseudamysium) neoceanus Dall, 1908c: 220, 402, pl. 9, f. 4.
 Galapagos Islands.
 8S-45N: 19N. 3900-4000 m. +1° +2°C. Recent.
- Genus **Pseudamysium** Mørch, 1853.
 Subgenus **Peplum** Bucquoy, Dautzenberg & Dollfus, 1889.
- Pseudamysium fasciculatum** (Hinds, 1845).
Pecten fasciculatus Hinds, 1845: 61, pl. 12, f. 4; *P. (Pallium) miser* Dall,
 1908c: 220, 401, pl. 8, f. 6; *P. panamensis* Dall, 1898c: 696, not Dall,
 1908.
 7N-26N: 18N. 30-600 m. +4° +19°C. Recent.
- Subfamily Pectininae Rafinesque, 1815.
nom. transl. et correct. Habe, 1977 ex Pectenina.
- Genus **Pecten** Müller, 1776.
 Subgenus **Flabellipecten** Sacco, 1897.
- Pecten berryi nom. nov.**³⁸
Pecten lunaris Berry, 1963: 139 not Römer, 1839.
 26N-28N: 27N. 50-85 m. +22° +30°C. Pliocene.
- Pecten diegensis** Dall, 1898.
Pecten diegensis Dall, 1898c: 710; *part. P. laqueatus auctt.* not Sowerby,
 1842 (Japan); *P. floridus* Hinds, 1844: 60, pl. 17, f. 6 not *Ostrea florida*
 Gmelin, 1791.
 23N-38N: 30N. 10-375 m. +4° +23°C. Pliocene.
- Pecten sericeus** Hinds, 1845.
Pecten sericeus Hinds, 1845: 60, pl. 17, f. 1, a.
 Cocos, Galapagos Islands.
 4S-29N: 13N. 10-155 m. +9° +30°C. Recent.
- Subgenus **Oppenheimopecten** Teppner, 1922.
- Pecten galapagensis** Grau, 1959.
Pecten (Oppenheimopecten) galapagensis Grau, 1959: 152, pl. 56.

- Galapagos Islands.
0. 18–275 m. +15° +27°C. Recent.
- Pecten hancocki* Grau, 1959.
Pecten (Oppenheimopecten) hancocki Grau, 1959: 154, pl. 57.
- Cocos Island.
- 6N. 86 m. +10° +29°C. Recent.
- Pecten perulus* Olsson, 1961.
Pecten (Oppenheimopecten) perulus Olsson, 1961: 158, pl. 20, f. 3a-c.
4S–9N: 3N. 5–10 m. +12° +29°C. Recent.
- Pecten vogdesi* Arnold, 1906.
Pecten (Pecten) vogdesi Arnold, 1906: 100, pl. 33, f. 1a, pl. 34, f. 1; *P. dentatus* Sowerby, 1835: 109 not Sowerby, 1829; *part. P. excavatus auctt.* not Valenciennes, 1846 not Anton, 1839; *P. (Euvola) cataractes* Dall, 1914: 121.
1S–28N: 14N. 4–220 m. +17° +30°C. Pliocene.
- Subfamily Patinopectininae Masuda, 1962.
- Genus *Patinopecten* Dall, 1898.
- Patinopecten caurinus* (Gould, 1850).
Pecten caurinus Gould, 1850: 345 (*Pecten nom. null.*); *P. oregonensis* Howe, 1922: 98, pl. 11, f. 1, 2.
36N–59N: 47N. 10–200 m. +1° +11°C. Pliocene.
- Family Propeamussidae Abbott, 1954.
emend. Waller, 1978.
- Subfamily Propeamussinae Abbott, 1954.
- Genus *Parvamussium* Sacco, 1897.
- Parvamussium alaskensis* (Dall, 1871).
Pecten (Pseudamussium) alaskensis Dall, 1871: 155, pl. 16, f. 4a, b (*alaskense nom. van. auctt.*); *part. P. similis auctt.* not Lasky, 1811 (Atlantic); *P. davidsoni* Dall, 1897c: 86; *P. (Propeamussium) riversi* Arnold, 1906: 126, pl. 44, f. 8, 9; *P. (Propeamussium) levis* Moody, 1916: 56, pl. 2, f. 2a-d not *P. laevis* Pennant, 1777; *P. calamitus* Hanna, 1924: 176; *P. intucostatus sawanensis* Hertlein, 1931: 367; *P. shiimanensis* Kuroda in Homma, 1931: 72, f. 92, 93.
- Northwest Pacific.
- 25N–61N: 43N. 15–650 m. 0° +21°C. Pliocene.
- Genus *Propeamussium* Gregorio, 1884.
- Propeamussium malpelonium* (Dall, 1908).
Amusium (Propeamussium) malpelonium Dall, 1908c: 220, 405, pl. 6, f. 9; *part. Amussium meridionale auctt.* not E. A. Smith, 1885.
6N–45N: 26N. 3060–3900 m. +2°C. Recent.
- Propeamussium meridionale* (E. A. Smith, 1885).
Amusium meridionale E. A. Smith, 1885: 316, pl. 24, f. 1, 2.
- Indo-Pacific.
- 40S–43S: 41S. 2650–3300 m. +2°C. Recent.
- Family Spondylidae Gray, 1826.
- Genus *Spondylus* Linné, 1758.
- Subgenus *Spondylus s.s.*
- Spondylus calcifer* Carpenter, 1857.
Spondylus calcifer Carpenter, 1857b: 152; *part. Pecten lamarckii auctt.* not Chenu, 1844 (Indian Ocean); *Spondylus radula* Reeve, 1856: 9
Spondylus pl. 14, sp. 52 not Lamarck, 1806; *S. limbatus* Reeve, 1856: 9
Spondylus pl. 19, sp. 34 not Sowerby, 1847; *part. S. varians auctt.* not
Reeve, 1856 (Indo-Pacific); *S. smithi* Fulton, 1915: 357.
5S–31N: 13N. 2–55 m. +13° +32°C. Pliocene.
- Spondylus linguaefelis* Sowerby, 1847.
Spondylus linguaefelis Sowerby, 1847: 87; *S. gloriosus* Dall, Bartsch & Rehder, 1938: 102, pl. 26, f. 8–11; *S. mimus* Dall, Bartsch & Rehder, 1938: 102, pl. 26, f. 6–7; *S. kuaiensis* Dall, Bartsch & Rehder, 1938: 103, pl. 26, f. 12–13.
- Clipperton Island.
- 10N. 5 m. +19° +29°C. Recent.
- Spondylus princeps* Broderip, 1833.
Spondylus princeps, Broderip in Broderip & Sowerby, 1833: 4; *part. S. americanus auctt.* not Hermann, 1781 (Atlantic); *part. S. crassisquama auctt.* not Lamarck, 1819 (Indian Ocean); *S. dubius* Broderip, 1833 in Broderip & Sowerby; 4; *S. leucacantha* Broderip, 1833: 5; *S. unicolor* Sowerby, 1847: 86; *S. limbatus* Sowerby, 1847: 87; *D. pictorum* Sowerby, 1848: 422, pl. 86, f. 28 not Chemnitz, 1784.
5S–28N: 12N. 2–40 m. +10° +31°C. Pliocene.
- Spondylus tenebrosus* Reeve, 1856.³⁹
Spondylus tenebrosus Reeve, 1856: 9 *Spondylus* pl. 9, sp. 33; *S. hawaiensis* Dall, Bartsch & Rehder, 1938: 100, pl. 25, f. 1–4.
- Clipperton Island, Western Pacific.
- 10N. Intertidal. +21° +33°C. Recent.
- Spondylus ursipes* Berry, 1959.
Spondylus ursipes Berry, 1959: 107.
27N–31N: 28N. 10–25 m. +19° +31°C. Recent.
- Spondylus victoriae* Sowerby, 1859.⁴⁰
Spondylus victoriae Sowerby, 1859: 428, f. 8.
26N–30N: 28N. 10–40 m. +17° +31°C. Recent.
- Superfamily ANOMIACEA Rafinesque, 1815.
nom. transl. et correct. Gill, 1871 ex Anomia.
- Family Anomiidae Rafinesque, 1815.
nom. correct. H. Adams & A. Adams, 1858 *pro* Anomia.
- Genus *Anomia* Linné, 1758.
- Subgenus *Anomia s.s.*
- Anomia adamas* Gray, 1850.
Anomia adamas Gray, 1850: 115; *A. simplex* Mabile, 1895: 73.
9N–25N: 17N. Intertidal–5 m. +27° +32°C. Recent.
- Anomia chinensis* Philippi, 1849.⁴¹
Anomia chinensis Philippi, 1849: 140; *A. cytaeum* Gray, 1850: 115; *A. litschkei* Dautzenberg & Fischer, 1907: 210, pl. 5, f. 8–11; *A. nipponensis* Yokoyama, 1920: 146, pl. 11, f. 18a, b; *A. cuticula* Grabau & King, 1928: 166, pl. 2, f. 17.
- Northwest Pacific.
- Accidentally introduced, not established.
- Anomia fidenas* Gray, 1850.
Anomia fidenas Gray, 1850: 116; *A. tenuis* C. B. Adams, 1852: 469, 544; *Placunanomia claviculata* Carpenter, 1857b: 166.
9N–23N: 16N. Intertidal. +24° +31°C. Recent.
- Anomia peruviana* Orbigny, 1846.
Anomia peruviana Orbigny, 1846: 673; *A. alectus* Gray, 1850: 117; *A. hamillus* Gray, 1850: 117; *A. lampe* Gray, 1850: 117; *A. larbas* Gray, 1850: 117 (*largus nom. null. auctt.*); *A. pacilus* Gray, 1850: 117; *Calyptraea aberrans* C. B. Adams, 1852: 219; *?Anomia laqueata* Reeve, 1859: 11 *Anomia* pl. 4, sp. 18; *A. limatula* Dall, 1878: 11, 15.
- Clipperton, Galapagos Islands.
- 5S–37N: 16N. Intertidal–130 m. +15° +32°C. Pliocene.
- Genus *Pododesmus* Philippi, 1837.
- Subgenus *Pododesmus s.s.*
- Pododesmus foliatus* (Broderip, 1834).
Placunanomia foliata Broderip, 1834: 2; *P. pernoides* Carpenter, 1857b: 165 not *Tedinia pernoides* Gray, 1853; *Pododesmus puntarensis* Soot-Ryen, 1952: 309, pl. 1.
4S–23N: 10N. Intertidal–20 m. +14° +30°C. ?Miocene.
- Subgenus *Monia* Gray, 1850.
- Pododesmus cepio* (Gray, 1850).⁴²
Placunanomia cepio Gray, 1850: 1; *P. alope* Gray, 1850: 122.
28N–58N: 43N. Intertidal–90 m. +1° +26°C. Miocene.

Pododesmus macrochisma (Deshayes, 1839).

Anomia macrochisma Deshayes, 1839: 359 (*macrochisma* nom. van. auctt.); part. *A. patelliformis* auctt. not Linné, 1767 (Atlantic); *A. denticostulata* Yokoyama, 1925b: 16; *Pododesmus newcombei* Clark & Arnold, 1923: 141, pl. 21, f. 3-6; *P. macroschismus ezoanus* Kanehara, 1942: 136, pl. 15, f. 1.

Northwest Pacific.

57N-70N: 64N. Intertidal-40 m. -2° +14°C. Miocene.

Subgenus *Tedinia* Gray, 1853.

Pododesmus pernoides (Gray, 1853).

Tedinia pernoides Gray, 1853: 197 not *Placunanomia pernoides* Carpenter, 1857.

23N-33N: 28N. 2-20 m. +18° +30°C. Recent.

Family Placunidae Rafinesque, 1815.

emend. Yonge, 1977.

Genus *Placunanomia* Broderip, 1832.

Placunanomia cumingii Broderip, 1832.

Placunanomia cumingii Broderip in Broderip & Sowerby, 1832: 29. 1S-26N: 13N. Intertidal-50 m. +18° +30°C. Pliocene.

Placunanomia panamensis Olsson, 1942.

Placunanomia panamensis Olsson, 1942: 183, pl. 1, f. 1, 4, 5. 9N Intertidal +27° +31°C. Pleistocene.

Subclass Heterodonta Neumayer, 1884.

nom. transl. Newell, 1965 ex Heterodonta (unspecified).

Order Veneroida H. Adams & A. Adams, 1856.

nom. correct. Newell, 1965 pro Veneracea.

Superfamily Lucinacea Fleming, 1828.

nom. transl. Anton, 1839 ex Lucinidae.

Family Lucinidae Fleming, 1828.

nom. correct. Orbigny, 1837 pro Lucinadae.

Subfamily Lucininae Fleming, 1828.

nom. transl. Chavan, 1969 ex Lucinidae.

Genus *Codakia* Scopoli, 1777.

Codakia distinguenda (Tryon, 1872).

Lucina (Codakia) distinguenda Tryon, 1872b: 130, pl. 6, f. 3; part. *Venus tigerina* auctt. not Linné, 1758 (Caribbean); part. *V. orbicularis* auctt. not Linné, 1758 (Caribbean); *Codakia colpoica* Dall, 1901c: 801, 821, pl. 41, f. 4; *C. pinchoi* Pilsbry & Lowe, 1932: 103, pl. 14, f. 1, 2.

Clipperton Island.

9N-25N: 17N. Intertidal-2 m. +29° +32°C. Pliocene.

Codakia punctata (Linné, 1758).

Venus punctata Linné, 1758: 688; *Codakia (Codakia) thaunumi* Pilsbry, 1918: 332, pl. 22, f. 9.

Clipperton, Galapagos Islands; Indo-Pacific.

1S-9N: 4N. Intertidal-5 m. +23° +31°C. Recent.

Genus *Ctena* Mørch, 1861.

Ctena bella (Conrad, 1837).

Lucina bella Conrad, 1837: 254, pl. 19, f. 11. Extralimital. Hawaii.

Ctena chiquita (Dall, 1901).

Codakia (Jagonia) chiquita Dall, 1901c: 801, 823, pl. 39, f. 1. 28N-31N: 30N. 10-120 m. +14° +31°C. Pleistocene.

Ctena clarionensis Hertlein & Strong, 1946.

Ctena clarionensis Hertlein & Strong, 1946: 118, pl. 1, f. 11, 12, 14. 18N depth unknown Recent.

Ctena clippertonensis Bartsch & Rehder, 1939.

Ctena clippertonensis Bartsch & Rehder, 1939b: 13, pl. 13, f. 1-5.

Clipperton Island.

9N-10N. Intertidal-75 m. +18° +30°C. Recent.

Ctena galapagana (Dall, 1901).

Codakia (Jagonia) galapagana Dall, 1901c: 801, 823, pl. 40, f. 4.

Galapagos Islands.

2S-13N: 6N. Intertidal-40 m. +19° +31°C. Pliocene.

Ctena mexicana (Dall, 1901).

Codakia (Jagonia) mexicana Dall, 1901c: 801, 822, pl. 40, f. 6; part. *Lucina bella* auctt. not Conrad, 1837; *L. fibula* Reeve, 1850: 6 *Lucina* pl. 7, sp. 33, 37, 38 not Adams & Reeve, 1848; *L. pectinata* Carpenter, 1857b: 98.

Galapagos Islands.

1N-31N: 16N. Intertidal-80 m. +17° +31°C. Pliocene.

Genus *Here* Gabb, 1866.

Subgenus *Here s.s.*

Here excavata (Carpenter, 1857).

Lucina excavata Carpenter, 1857b: 98 part. *L. richthofeni* auctt. not Gabb, 1869.

23N-25N: 24N. 5-110 m. +16° +30°C. Oligocene.

Here richthofeni Gabb, 1866.

Lucina (Here) richthofeni Gabb, 1866: 29, pl. 8, f. 49a, b. 28N-33N: 31N. 25-125 m. +14° +21°C. Pliocene.

Genus *Lucina* Bruguière, 1797.

Sensu lato.

Lucina capax Carpenter, 1864.

Lucina capax Carpenter, 1864c: 553 nom. nud. Panamic.

Recent.

Subgenus *Callucina* Dall, 1901.

Lucina lampra (Dall, 1901).

Phacoides (Cavilucina) lamprus Dall, 1901c: 811, 827, pl. 39, f. 9 (*lampus* nom. null. Dall, 1913);

16N-31N: 23N. Intertidal-55 m. +22° +33°C. Pleistocene.

Lucina lingualis Carpenter, 1864.

Lucina lingualis Carpenter, 1864b: 313.

17N-25N: 21N. Intertidal-25 m. +22° +31°C. Pleistocene.

Lucina prolongata Carpenter, 1857.

Lucina prolongata Carpenter, 1857b: 100.

17N-28N: 23N. Intertidal-5 m. +22° +32°C. Pleistocene.

Subgenus *Epilucina* Dall, 1901.

Lucina californica Conrad, 1837.

Lucina californica Conrad, 1837: 255, pl. 20, f. 1; *L. artemidis* Carpenter in Gould & Carpenter, 1857: 201.

17N-42N: 30N. 30-75 m. +9° +29°C. Pliocene.

Subgenus *Lucinisca* Dall, 1901.

Lucina centrifuga (Dall, 1901).

Phacoides (Lucinisca) nuttallii centrifugus Dall, 1901c: 812, 828, pl. 39, f. 13; part. *Tellina muricata* auctt. not Chemnitz, 1795; part. *Lucina fibula* auctt. not Reeve, 1850; part. *Phacoides hispaniolana* auctt. not Maury, 1917; *P. (Lucinisca) liana* Pilsbry, 1931b: 435, pl. 41, f. 3.

Galapagos Islands.

4S-29N: 13N. Intertidal-100 m. +16° +32°C. Pleistocene.

Lucina fenestrata Hinds, 1845.

Lucina fenestrata Hinds, 1845: 66, pl. 19, f. 2; *L. ochracea* Reeve, 1850: 6 *Lucina* pl. 8, sp. 44; *L. (Lucinisca) fausta* Pilsbry & Olsson, 1941: 58, pl. 17, f. 3, 6.

5S-28N: 12N. 10-75 m. +17° +29°C. Pliocene.

Lucina nuttalli Conrad, 1837.

Lucina nuttalli Conrad, 1837: 255, pl. 20, f. 2.

22N-37N: 29N. 10-75 m. +13° +29°C. Miocene.

Subgenus *Parvilucina* Dall, 1901.

- Lucina approximata* (Dall, 1901).⁴³
Phacoides (*Parvilucina*) *approximatus* Dall, 1901c: 813, 828, pl. 39, f. 4.
 3N–37N: 20N. 1–1025 m. +4° +31°C. Pleistocene.
- Lucina mazatlanica* Carpenter, 1857.⁴⁴
Lucina mazatlanica Carpenter, 1857b: 99.
 1S–29N: 14N. Intertidal–40 m. +26° +33°C. Pleistocene.
- Lucina tenuisculpta* Carpenter, 1864.
Lucina tenuisculpta Carpenter, 1864c: 602, 611, 642; *Phacoides* (*Parvilucina*) *intensus* Dall, 1903c: 1385, pl. 50, f. 8.
 33N–60N: 47N. 5–275 m. +1° +22°C. Pliocene.
- Subgenus *Pleurolocina* Dall, 1901.
- Lucina cancellaris* Philippi, 1846.
Lucina cancellaris Philippi, 1846: 21.
 28N–31N: 30N. 5–70 m. +26° +31°C. Pleistocene.
- Lucina leucocymoides* (Lowe, 1935).
Phacoides (*Pleurolocina*) *leucocymoides* Lowe, 1935: 17, pl. 1, f. 4.
 22N–29N: 26N. 35–110 m. +27° +33°C. Recent.
- Lucina undatoides* Hertlein & Strong, 1945.
Lucina undatoides Hertlein & Strong, 1945: 105; *L. undata* Carpenter, 1865e: 279 not *L. undata* Lamarch, 1818.
 24N–27N: 26N. Intertidal–5 m. +27° +33°C. Recent.
- Subfamily Myrteinae Chavan, 1969.
- Genus *Lucinoma* Dall, 1901.
- Lucinoma aequizonata* (Stearns, 1891).
Lucina aequizonata Stearns, 1891: 220, pl. 17, f. 3, 4.
 34N–37N: 35N. 400–650 m. +3° +9°C. Pliocene.
- Lucinoma annulata* (Reeve, 1850).
Lucina annulata Reeve, 1850: 6 *Lucina* pl. 4, sp. 17; part. *L. borealis* auctt. not Linné, 1767 (Atlantic); part. *L. acutilineata* auctt. not Conrad, 1849 (Miocene); *L. filosa* auctt. not Simpson, 1851 (Atlantic); *Lucinoma densilineata* Dall, 1916a: 27 nom. nud.; *L. annulata densilirata* Dall, 1919c: 249; *Lucina spectabilis* Yokoyama 1920: 134, pl. 10, f. 10–12; *Woodia concentrica* Yokoyama, 1920: 141, pl. 12, f. 7.
 33N–60N: 47N. 25–750 m. +1° +12°C. Miocene.
- Lucinoma antarctica* (Philippi, 1855).
Lucina antarctica Philippi, 1855: 209; *Diplodonta lamellata* E. A. Smith, 1881: 38, pl. 15, f. 1a–c; part. *Lucina aequizonata* auctt. not Stearns, 1890.
 52S–54S: 53S. 15–700 m. +1° +8°C. Recent.
- Subfamily Milthinae Chavan, 1969.
- Genus *Miltha* H. Adams & A. Adams, 1857.
- Miltha xantusi* (Dall, 1905).
Phacoides (*Miltha*) *xantusi* Dall, 1905a: 111; part. *P.* (*Miltha*) *childrenae* auctt. not Gray, 1825 (*childreni* nom. van. auctt.) (Atlantic); ?*P. joannis* Dall, 1905a: 112; *P.* (*Miltha*) *sanctae crucis* Arnold, 1910: 57, pl. 6, f. 6.
 25N–26N. 55–80 m. +22° +30°C. Miocene.
- Genus *Pegophysema* Stewart, 1930.
- Pegophysema edentuloides* (Verrill, 1870).
Loripes edentuloides Verrill, 1870: 226; part. *Lucina spherica* auctt. not Dall & Ochsner, 1928.
 28N–30N: 29N. 35–170 m. +18° +29°C. Pliocene.
- Subfamily Divaricellinae Glibert, 1967.
- Genus *Divalinga* Chavan, 1951.
- Subgenus *Divalinga* s.s.
- Divalinga eburnea* (Reeve, 1850).
Lucina eburnea Reeve, 1850: 6 *Lucina* pl. 8, sp. 49; part. *L. quadrisulcata* auctt. not Orbigny, 1842 (Atlantic); *Divaricella lucasana* Dall & Ochsner, 1928: 122, pl. 2, f. 17, 21, 24; *D. columbiensis* Lamy, 1934: 433 nom. nud.
 5S–25N: 10N. Intertidal–55 m. +17° +30°C. Pliocene.
- Subgenus *Viaderella* Chavan, 1951.
- Divalinga perparvula* (Dall, 1901).
Divaricella perparvula Dall, 1901b: 815, 829, pl. 39, f. 8; part. *Lucina dentata* auctt. not Deshayes, 1850 nom. nud. (Caribbean); *L. pisum* Philippi, 1850: 105 not Sowerby, 1836, not Sowerby in Reeve, 1850.
 2S–26N: 12N. Intertidal–20 m. +22° +30°C. Pleistocene.
- Family Thyasiridae Dall, 1900.
- Subfamily Thyasirinae nov.⁴⁵
- Genus *Conchocele* Gabb, 1866.
- Conchocele bisecta* (Conrad, 1849).
Venus bisecta Conrad, 1849a: 724, pl. 17, f. 10a.
 Northwest Pacific.
 43N–57N: 50N. 50–300 m. –1° +11°C. Miocene.
- Conchocele disjuncta* Gabb, 1866.
Conchocele disjuncta Gabb, 1866: 27, pl. 7, f. 48a, b; part. *Venus bisecta* auctt. not Conrad, 1849; *Thyasira bisecta nipponica* Yabe & Nomura, 1925: 85, pl. 23, f. 3a, b; *T. disjuncta ochotica* Krishtofovich, 1936: 35, pl. 3, f. 2.
 Northwest Pacific.
 48N–60N: 54N. 100–750 m. 0° +7°C. Oligocene.
- Conchocele excavata* (Dall, 1901).⁴⁶
Thyasira excavata Dall, 1901c: 790, 818, pl. 39, f. 12, 15; *T. tricarinata* Dall, 1916a: 26 nom. nud.; 1916b: 409.
 23N–45N: 34N. 800–2050 m. +1° +3°C. Recent.
- Genus *Thyasira* in Lamarck, 1818. (Leach MS)
- Subgenus *Thyasira* s.s.
- Thyasira barbarentis* (Dall, 1890).
Cryptodon barbarentis Dall, 1890a: 261, pl. 8, f. 9.
 28N–34N: 31N. 40–150 m. +4° +16°C. Recent.
- Thyasira cygnus* Dall, 1916.
Thyasira cygnus Dall, 1916a: 26 nom. nud.; 1916b: 409.
 45N–60N: 53N. 110–600 m. –1° +9°C. Recent.
- Thyasira fuegiensis* (Dall, 1890).
Cryptodon fuegiensis Dall, 1890a: 262, pl. 14, f. 2.
 South Atlantic.
 53S. 140 m. +1° +6°C. Recent.
- Thyasira gouldii* (Philippi, 1845).
Lucina gouldii Philippi, 1845a: 74, pl. 2, f. 7; part. *Tellina flexuosa* auctt. not Montagu, 1803 (Atlantic); *Thyasira wajampolkana* Krishtofovich, 1936: 44, pl. 3, f. 3 a; pl. 6, f. 3, a.
 Panarctic, North Pacific.
 33N–71N: 52N. 20–250 m. –2° +13°C. Pliocene.
- Thyasira magellanica* Dall, 1901.
Thyasira magellanica Dall, 1901c: 790, 819, pl. 42, f. 6.
 South Atlantic.
 50S–54S: 52S. 190–350 m. +2° +17°C. Recent.
- Thyasira tomeana* Dall, 1901.
Thyasira tomeana Dall, 1901c: 790, 819, pl. 39, f. 3.
 36S–50S: 43S. 20–200 m. +2° +17°C. Recent.
- Subfamily Axinopsidinae nov.⁴⁷
- Genus *Axinopsida* Keen & Chavan in Chavan, 1951.
- Axinopsida serricata* (Carpenter, 1864).
Cryptodon serricatus Carpenter, 1864c: 602, 643 (*serricatus* nom. van. auctt.)
 28N–60N: 44N. Intertidal–275 m. –2° +15°C. Pleistocene.
- Axinopsida viridis* (Dall, 1901).
Axinopsida viridis Dall, 1901c: 791, 819, pl. 40, f. 1.
 33N–57N: 45N. 30–200 m. 0° +19°C. Pleistocene.
- Genus *Axinulus* Verrill & Bush, 1898.

- Axinulus redondoensis* (T. Burch, 1941).
Aligena redondoensis T. Burch, 1941: 50. pl. 4, f. 5, 6, 7.
 34N–45N: 40N. 150–225 m. +4° +12°C. Recent.
- Genus *Adontorhina* Berry, 1947.
- Adontorhina cycelia* Berry, 1847.
Adontorhina cycelia Berry, 1947:260, pl. 1, f. 1–2.
 34N. 70–800 m. +4° +13°C. Pleistocene.
- Family Ungulinidae H. Adams & A. Adams, 1856.
- Genus *Diplodonta* Bronn, 1831.
- Diplodonta aleutica* Dall, 1901.
Diplodonta torelli aleutica Dall, 1901c: 795, 820, pl. 42, f. 3.
 Arctic Ocean.
 58N–71N: 65N. 1–40 m. –2° +7°C. Pleistocene.
- Diplodonta impolita* Berry, 1953.
Diplodonta impolita Berry, 1953b: 409, pl. 28, f. 3, 4; *part. Lucina orbella* auctt. not Gould, 1851.
 33N–55N: 44N. 2–100 m. 0 +19°C. Recent.
- Diplodonta inezensis* (Hertlein & Strong, 1947).
Taras (Taras) inezensis Hertlein & Strong, 1947: 130, pl. 1, f. 4.
 9N–27N: 18N. 10–65 m. +12° +27°C. Recent.
- Diplodonta orbella* (Gould, 1851).
Lucina orbella Gould, 1851: 90; *part. Diplodonta semiaspera* auctt. not Philippi, 1836 (Atlantic); *Sphaerella tumida* Carpenter, 1864c: 544 (Conrad MS) *nom. nud.*
 8N–60N: 44N. Intertidal–55 m. 0° 28°C. Pleistocene.
- Diplodonta pacifica* Fischer, 1860.
Diplodonta pacifica Fischer, 1860: 376, pl. 13, f. 3; *D. suprema* Olsson, 1961: 201, pl. 32, f. 2–6.
 8N. Intertidal. +25° +31°C. Recent.
- Diplodonta subquadrata* Carpenter, 1856.
Diplodonta subquadrata Carpenter, 1856b: 230; *D. subquadrata baltrana* Hertlein, 1972b: 28, 33, f. 8, 11.
 Galapagos Islands.
 3N–26N: 15N. Intertidal–140 m. +12° +33°C. Pliocene.
- Genus *Felaniella* Dall, 1899.
- Subgenus *Zemysia* Finlay, 1926.
- Felaniella inconspicua* (Philippi, 1845).
Diplodonta inconspicua Philippi, 1845: 53; *part. Amphidesina punctata* auctt. not Say, 1822, (Atlantic); *Diplodonta philippii* Hupé in Gay, 1845: 357, pl. 8, f. 5. (*philippii* *nom. null. auctt.*)
 25S–42S: 34S. Intertidal–25 m. +7° +28°C. Recent.
- Felaniella obliqua* (Philippi, 1846).
Diplodonta obliqua Philippi, 1846: 20; *Lucina calculus* Reeve, 1850: 6
Lucina pl. 11, sp. 68.
 10N–23N: 16N. Intertidal. +18° +32°C. Pleistocene.
- Felaniella parilis* (Conrad, 1848).⁴⁸
Loripes parilis Conrad, 1848: 432; *Lucina cornea* Reeve, 1850: 6 *Lucina* pl. 9, sp. 25; *L. nitens* Reeve, 1850: 6 *Lucina* pl. 9, sp. 50; *L. sericata* Reeve, 1850: 6 *Lucina* pl. 9, sp. 55; *L. tellinoides* Reeve, 1850: 6 *Lucina* pl. 9, sp. 56; *Diplodonta (Felaniella) artemidis* Dall, 1909b: 156, 263, pl. 28, f. 8.
 4S–37N: 17N. Intertidal–75 m. +9° +32°C. Oligocene.
- Genus *Phlyctiderma* Dall, 1899.
- Subgenus *Phlyctiderma* s.s.
- Phlyctiderma discrepans* (Carpenter, 1857).
Diplodonta semiaspera discrepans Carpenter, 1857b: 103; *D. semiaspera* auctt. not Philippi, 1836 (Atlantic); *D. semirugosa* Dall, 1899b: 246.
 7N–25N: 16N. 10–20 m. +17° +28°C. Recent.
- Phlyctiderma elenensis* Olsson, 1961.
Phlyctiderma elenensis Olsson, 1961: 205, pl. 32, f. 6a.
 2S–22N: 10N. Intertidal–5 m. +19° +32°C. Recent.
- Phlyctiderma insula* Olsson, 1961.
Phlyctiderma insula Olsson, 1961: 205, pl. 32, f. 9.
 2N–8N: 5N. 5–10 m. +19° +29°C. Recent.
- Subgenus *Pegmapex* Berry, 1960.
- Phlyctiderma caelatum* (Reeve, 1850).
Lucina caelata Reeve, 1850: 6 *Lucina* pl. 6, sp. 27a, b.
 3S–18N: 8N. Intertidal–25 m. +16° +31°C. Recent.
- Phlyctiderma phoebe* (Berry, 1960).
Pegmapex phoebe Berry, 1960: 115.
 23N. Intertidal–10 m. +16° +31°C. Recent.
- Family Cyrenoididae H. Adams & A. Adams, 1857.
- Genus *Cyrenoida* Joannis, 1835.
- Cyrenoida insula* Morrison, 1946.
Cyrenoida insula Morrison, 1946: 45, pl. 1, f. 8–11.
 9N. Intertidal–2 m. +25° +31°C. Recent.
- Cyrenoida panamensis* Pilsbry & Zetek, 1931.
Cyrenoida panamensis Pilsbry & Zetek, 1931: 69, pl. 3, f. 4.
 9N. Intertidal. +23° +32°C. Recent.
- Superfamily Galeommataceae Gray, 1840.
nom. transl. et. correct. Bowden & Heppell, 1968 *ex* Galioimnidae Gray, 1847 *ex* Galeommidi.
- Family Galeommatidae Gray, 1840.
nom. correct. Dall, 1899 *pro* Galeomnidae Gray, 1847 *ex* Galeommidi.
- Genus *Cymatinoa* Berry, 1964.
- Cymatinoa dubia* (Deshayes, 1856).
Erycina dubia Deshayes, 1856b: 183.
 1S–3S: 2S. Intertidal–10 m. +16° +30°C. Recent.
- Cymatinoa electilis* (Berry, 1963).
Crenimargo electilis Berry, 1963: 140.
 1S–28N: 13N. 10–45 m. +15° +28°C. Recent.
- Cymatinoa pulchra* (Philippi, 1849).
Kellia pulchra Philippi, 1849: 149; *Scintilla cumingii* Deshayes, 1856a: 173.
 9N. ?10–15 m. +17° +28°C. Recent.
- Genus *Galeommella* Habe, 1958.
- Galeommella peruviana* (Olsson, 1961).
Solecardia peruviana Olsson, 1961: 240, pl. 36, f. 3, a.
 Galapagos Islands.
 3S–31N: 14N. Intertidal–15 m. +17° +31°C. Recent.
- Genus *Scintilla* Deshayes, 1856.
- Scintilla chloris* Dall, 1918.
Scintilla chloris Dall, 1918b: 5.
 Gastropod genus *Berthelina* in family Juliidae.
- Genus *Tryphomyax* Olsson, 1961.
- Tryphomyax mexicanus* (Berry, 1959).
Galeomma (Lepirodes) mexicanum Berry, 1959: 108; *Tryphomyax lepidiformis* Olsson, 1961: 240, pl. 36, f. 4, a; *T. lepidiformis laevis* Olsson, 1961: 241.
 9N–31N: 20N. 2–10 m. +17° +30°C. Recent.
- Family Kelliidae Forbes & Hanley, 1849.
nom. correct. Sowerby, 1862 *pro* Kelliidae.
- Subfamily Kelliinae Forbes & Hanley, 1849.⁴⁹
- Genus *Aligena* Lca, 1846.
- Aligena cokeri* Dall, 1909.
Aligena cokeri Dall, 1909b: 155, 264, pl. 28, f. 5, 6.
 3S–31N: 14N. Intertidal–25 m. +16° +31°C. Pleistocene.
- Aligena diegoana* Hertlein & Grant, 1972.
Aligena diegoana Hertlein & Grant, 1972: 235, pl. 44, f. 1, 6, pl. 45, f. 6, 7, 10, 11, 13.
 California Pliocene, possibly also living.

- Aligena nucea* Dall, 1913.
Aligena nucea Dall, 1913: 597.
 12N–31N: 22N. Intertidal–25 m. +13° +32°C. Pleistocene.
- Aligena pisum* Dall, 1908.⁵⁰
Aligena pisum Dall, 1908c: 221, 413.
 53S. 112 m. +2° +7°C. Recent.
- Genus *Diplodontina* Stempel, 1899.
- Diplodontina tumbesiana* Stempel, 1899.
Diplodontina tumbesiana Stempel, 1899: 232, pl. 12, f. 18, 19, a.
 20S–52S: 36S. Intertidal–50 m. +1° +27°C. Recent.
- Genus *Kellia* Turton, 1822.
- Kellia bullata* Philippi, 1845.
Kellia bullata Philippi, 1845b:51 (*bullata* nom. null. auctt.); *K. magellanica* E. A. Smith, 1881: 41, pl. 5, f. 6, a.
 53S–54S. Intertidal–50 m. +1° +13°C. Recent.
- Kellia cycladiformis* (Deshayes, 1851).
Erycina cycladiformis Deshayes, 1851: 736, f. 6–9.
 South Atlantic.
 52S–54S: 53S. 80–125 m. 0° +12°C. Recent.
- Kellia suborbicularis* (Montagu, 1803).
Mya suborbicularis Montagu, 1803: 39, 564: pl. 2, f. 6; *Tellinmya lactea* Brown, 1827: 106, pl. 14, f. 10, 11; *T. tenuis* Brown, 1827: 106, pl. 14, f. 12, 13; *?Bornia inflata* Philippi, 1836: 18; *Chironia laperousii* Deshayes, 1839: 357; *Bornia luticola* Valenciennes in Petit-Thouars, 1846: pl. 24, f. 7a, b; *Montacuta chalconica* Carpenter, 1857b: 531; *Kellia rotundata* Carpenter, 1864c: 643.
 Circumboreal, Mediterranean.
 4S–60N: 28N. Intertidal–20 m. +6° +30°C. Pleistocene.
- Genus *Odontogena* Cowan, 1964.
- Odontogena borealis* (Cowan, 1964).
Aligena (Odontogena) borealis Cowan, 1964: 108, pl. 2, f. 1, 2.
 44N–60N: 52N. 150–400 m. –1° +6°C. Recent.
- Subfamily Borniinae nov.⁵¹
- Genus *Bornia* Philippi, 1836.
 Subgenus *Bornia s.s.*
- Bornia chichlaya* Olsson, 1961.
Bornia chichlaya Olsson, 1961: 233, pl. 35, f. 13.
 5S. Depth unknown. Recent.
- Bornia egretta* Olsson, 1961.
Bornia egretta Olsson, 1961: 232, pl. 35, f. 11.
 4S. Depth unknown. Recent.
- Bornia obtusa* (Carpenter, 1865).
Montacuta obtusa Carpenter, 1865d: 270.
 23N. 75 m. +18° +30°C. Recent.
- Bornia papyracea* (Deshayes, 1856).
Erycina papyracea Deshayes, 1856: 183.
 1S–24N: 12N. 10–50 m. +17° +29°C. Recent.
- Bornia venada* Olsson, 1961.
Bornia venada Olsson, 1961: 232, pl. 35, f. 12.
 7N. Depth unknown. Recent.
- Bornia zorritensis* Olsson, 1961.
Bornia zorritensis Olsson, 1961: 232, pl. 35, f. 9, a.
 4S–6S: 5S. 20–40 m. +15° +29°C. Recent.
- Genus *Rhamphidonta* Bernard, 1975.
- Rhamphidonta retifera* (Dall, 1899).
Bornia retifera Dall, 1899a: 880, 889, pl. 87, f. 2.
 34N.48N.50N. Intertidal–25 m. –1° +28°C. Recent.
- Genus *Solecardia* Conrad, 1849.
- Solecardia eburnea* Conrad, 1849.
Solecardia eburnea Conrad, 1849: 155 not *Scintilla eburnea* Mørch, 1876: (Caribbean); *Scintilla cumingii* Deshayes, 1856a: 173.
 9N–31N: 20N. Intertidal–5 m. +16° +33°C. Pleistocene.
- Solecardia obliqua* (Sowerby, 1862).
Scintilla obliqua Sowerby, 1862: 179, pl. 235, f. 35. *Nom. dub.*
 Ecuador?
- Family Lasaeidae Gray, 1842.
- Subfamily Lasacinae Gray, 1842.⁵³
nom. transl. herein ex Lasaeidae.
- Genus *Lasaea* Brown, 1827.
- Lasaea cystula* Keen, 1938.
Lasaea cystula Keen, 1938: 25, pl. 5, f. 7–9; *Erycina catalinae* Dall, 1916a: 28 *nom. nud.*; 1916b: 409.
 28N–40N: 34N. Intertidal–2 m. +8° +27°C. Pleistocene.
- Lasaea macrodon* Stempel, 1899.
Lasaea macrodon Stempel, 1899:231, f. 16, 17.
 34S. Intertidal–5 m. +11° +23°C. Recent.
- Lasaea militaris* (Philippi, 1845).
Kellia militaris Philippi, 1845:51.
 Extralimital South Atlantic.
- Lasaea petitiana* (Recluz, 1843).
Poronia petitiana Recluz, 1843:175; *Lasaea helenae* Soot-Ryen, 1959:
 52, pl. 2, f. 21.
 20S–52S: 41S. Intertidal. +1° +29°C. Recent.
- Lasaea subviridis* Dall, 1899.
Lasaea rubra subviridis Stearns, 1894: 149 *nom. nud.* (Carpenter MS); *Cardium rubrum* auctt. not Mongatu, 1803 (Atlantic); *L. rubra subviridis* Dall, 1899a: 881 (Carpenter MS).
 23N–55N: 39N. Intertidal–10 m. +1° +24°C. Recent.
- Subfamily Erycininae Deshayes, 1850.⁵²
nom. transl. herein ex Erycinidae.
- Genus *Amerycina* Chavan, 1959.
- Amerycina colpoica* (Dall, 1913).
Erycina colpoica Dall, 1913: 596.
 Galapagos Islands.
 12N–31N: 21N. Intertidal–25 m. +17° +30°C. Recent.
- Amerycina cultrata* Keen, 1971.
Amerycina cultrata Keen, 1971: 135, f. 310.
 24N–28N: 26N. 5–35 m. +22° +32°C. Recent.
- Genus *Erycina* Lamarck, 1805.
Sensu lato.
- Erycina balliana* Dall, 1916.
Erycina balliana Dall, 1916a: 28 *nom. nud.*; 1916b: 410.
 32N. 6 m. +8° +22°C. Recent.
- Erycina coronata* Dall, 1916.
Erycina coronata Dall, 1916a: 28 *nom. nud.*; 1916b: 409.
 26N–32N: 29N. 1–10 m. +14° +28°C. Recent.
- Erycina platei* (Stempel, 1899).
Lepton platei Stempel, 1899: 233, pl. 12, f. 20, 21.
 33S. Depth unknown. Recent.
- Family Leptonidae Gray, 1847.
- Genus *Lepton* Turton, 1822.
 Subgenus *Lepton s.s.*
- Lepton ellipticum* (Carpenter, 1857).
Montacuta elliptica Carpenter, 1857b: 113.
 23N. Depth unknown. Recent.
- Lepton lediforme* Olsson, 1961.
Lepton lediformis Olsson, 1961:230, pl. 36, f. 10.
 8N. Depth unknown. Recent.

Genus *Platomysia* Habe, 1951.

Platomysia meroeum (Carpenter, 1864).

Lepton meroeum Carpenter, 1864c: 611, 643.
33N–48N: 41N. Intertidal–20 m. +2° +22°C. Recent.

Family Montacutidae Clark, 1855.

Subfamily Montacutinae Clark, 1855.⁵⁴
nom. transl. herein *ex* Montacutidae.

Genus *Montacuta* Turton, 1822.

Montacuta dawsoni Jeffreys, 1864.

Montacuta dawsoni Jeffreys, 1864: 216; *Mysella sovaliki* MacGinitie, 1959: 173, pl. 4, f. 10.

Circumboreal, Panarctic.

64N–71N: 68N. 10–40 m. –2° +8°C. Recent.

Genus *Montacutona* Yamamoto & Habe, 1959.

Montacutona montemarensis (Ramorino, 1968).

Pythinella montemarensis Ramorino, 1968: 211, pl. 2, f. 7.
33S. 65 m. +12° +18°C. Recent.

Subfamily Mysellinae *nov.*⁵⁵

Genus *Mysella* Angas, 1877.

Subgenus *Mysella s.s.*

Mysella deanneae Ramorino, 1968.

Mysella (Mysella) deanneae Ramorino, 1968: 207, pl. 1, f. 7, pl. 7, f. 2,
3.
33S. 97 m. +10° +17°C. Recent.

Mysella dionaea (Carpenter, 1857).

Lepton dionaeum Carpenter, 1857b: 111.
23N. ?Intertidal. +27° +32°C. Recent.

Mysella umbonata (Carpenter, 1857).

Lepton umbonatum Carpenter, 1857b: 111.
23N. 2–10 m. +22° +31°C. Recent.

Subgenus *Rochefortia* Velain, 1877.

Mysella aleutica Dall, 1899.

Mysella aleutica Dall, 1899a: 881, 892, 896, pl. 87, f. 6.
Northwest Pacific.

37N–59N: 48N. 10–120 m. 0° +16°C. Pleistocene.

Mysella beringensis (Dall, 1916).

Rochefortia beringensis Dall, 1916a: 29 *nom. nud.*; 1916b: 411.
57N–61N: 59N. 5–60 m. –2° +11°C. Recent.

Mysella clementina (Carpenter, 1857).

Lepton clementinum Carpenter, 1857b: 110.
23N. *nom. dub.*

Mysella compressa (Dall, 1913).

Rochefortia compressa Dall, 1913: 596.
23N–33N: 28N. 5–40 m. +9° +27°C. Recent.

Mysella coquimbensis (Hanley, 1856).

Montacuta coquimbensis Hanley, 1856a: 340.
24S. Depth unknown. Recent.

Mysella grebnitzskii (Dall, 1916).

Rochefortia grebnitzskii Dall, 1916a: 29 *nom. nud.*; 1916b: 411.
56N–60N: 58N. 10–50 m. –1° +8°C. Recent.

Mysella mabillei (Dall, 1908).

Rochefortia mabillei Dall, 1908c: 221, 413.
53S–54S. 80–120 m. +2° +9°C. Recent.

Mysella molinae Ramorino, 1968.

Mysella (Rochefortia) molinae Ramorino, 1968: 209, pl. 2, f. 5, 6, pl. 7,
f. 1, 4. (*malinae nom. null.*).
33S. 20 m. +8° +19°C. Recent.

Mysella negritensis Olsson, 1961.

Mysella negritensis Olsson, 1961: 234, pl. 35, f. 8.
5S. Depth unknown. Recent.

Mysella pedroana Dall, 1899.

Mysella pedroana Dall, 1899a: 881, 893, pl. 88, f. 4; *Rochefortia grippi*
Dall, 1912b: 128; *R. ferruginosa* Dall, 1916a: 29 *nom. nud.*; 1916b: 411;
R. golischi Dall, 1916a: 29 *nom. nud.*; 1916b: 411.
33N–38N: 35N. 15–50 m. +7° +21°C. Recent.

Mysella planata (Krause, 1885).

Tellimya planata Krause, 1885: 34, pl. 3, f. 6a–d (Dall, *MS*); *Montacuta*
elevata Mørch in Jones, 1875: 131 not Stimpson, 1851 (Atlantic).

Chukchi Sea.

53N–71N: 62N. 10–100 m. –2° +7°C. Recent.

Mysella rochebrunei (Dall, 1908).

Rochefortia rochebrunei Dall, 1908c: 221, 414, pl. 17, f. 3; *Mysella*
sculpta Soot-Ryen, 1957a: 5; Soot-Ryen, 1959: 53, f. 5 (redescription).
53S. 100–120 m. +2° +9°C. Recent.

Mysella tumida (Carpenter, 1864).

Tellimya tumida Carpenter, 1864c: 602, 611, 643.
33N–61N: 47N. 5–120 m. +2° +19°C. Pliocene.

Subfamily Orobittellinae *nov.*⁵⁶

Genus *Isorobitella* Keen, 1962.

Isorobitella singularis (Keen, 1962).

Orobittella (Isorobitella) singularis Keen, 1962: 323, f. 4a–c, f. 5a–c.
31N. Intertidal. +23° +32°C. Recent.

Isorobitella trigonalis (Carpenter, 1857).

Lasea trigonalis Carpenter, 1857b: 109; *Aligena cerritensis* Arnold,
1903: 138, pl. 13, f. 3.
23N–34N: 29N. 2–20 m. +18° +30°C. Pleistocene.

Genus *Neaeromya* Gabb, 1873.

Neaeromya compressa (Dall, 1899).

Erycina compressa Dall, 1899a: 880, 888, pl. 87, f. 1, 8.
48N–60N: 54N. 10–150 m. +1° +14°C. Recent.

Neaeromya rugifera (Carpenter, 1864).

Pythina rugiferus Carpenter, 1864c: 602, 643; *Lepton rude* Whiteaves
1880: 198B, fl 2 (Dall, *MS*); *Sportella californica* Dall, 1899a: 879, 885,
pl. 88, f. 5; *Pseudopythina myaciformis* Dall, 1916a: 29 *nom. nud.*;
1916b: 412.
28N–54N: 41N. Intertidal–5 m. +5° +29°C. Recent.

Neaeromya stearnsii (Dall, 1899).

Sportella stearnsii Dall, 1899a: 879, 885, pl. 87, f. 9, 12.

Galapagos Islands.

1S–25N: 12N. Intertidal–20 m. +18° +30°C. Recent.

Genus *Orobittella* Dall, 1900.

Orobittella bakeri (Dall, 1916).

Erycina bakeri Dall, 1916a: 28 *nom. nud.*; 1916b: 410; *E. chacei* Dall,
1916a: 28 *nom. nud.*; 1916b: 410; ?*E. santarosae* Dall, 1916a: 28 *nom.*
nud.; 1916b: 410.
26N–34N: 30N. 5–285 m. +5° +27°C. Recent.

Orobittella grandis (Philippi, 1887).

Montacuta grandis Philippi, 1887: 185, pl. 23, f. 3.
30S. Depth unknown. Pliocene.
Possibly also living.

Orobittella jipijapa Olsson, 1961.

Orobittella jipijapa Olsson, 1961: 238, pl. 35, f. 5.
1S. Depth unknown. Recent.

Orobittella margarita Olsson, 1961.

Orobittella margarita Olsson, 1961: 237, pl. 35, f. 2.
9N. depth unknown. Recent.

Orobittella obliqua (Harry, 1969).

Aligena obliqua Harry, 1969: 172, f. 18–20.
23N–28N. Intertidal–5 m. +17° +26°C. Recent.

Orobittella oblonga (Carpenter, 1857).

Lasea oblonga Carpenter, 1857b: 109.
23N. Depth unknown. Recent.

- Orobitella peruviana** Olsson, 1961.
Orobitella peruviana Olsson, 1961: 237, pl. 35, f. 7.
 2S-4S: 3S. 2-10 m. +17° +29°C. Pliocene.
- Orobitella sechura** Olsson, 1961.
Orobitella sechura Olsson, 1961: 237, pl. 35, f. 1, b.
 6S. Depth unknown. Recent.
- Orobitella zorrilla** Olsson, 1961.
Orobitella zorrilla Olsson, 1961: 236, pl. 35, f. 3.
 4S. Depth unknown. Recent.
- Genus *Pythinella* Dall, 1899.
- Pythinella sublaevis** (Carpenter, 1857).
Pythina sublaevis Carpenter, 1857b: 112.
 8N-23N: 16N. Intertidal-15 m. +17° +31°C. Recent.
- Genus *Scioberetia* Bernard, 1895.
- Scioberetia australis** Bernard, 1895.
Scioberetia australis Bernard, 1895: 569.
 54S 20 m. +1° +8°C. Recent.
- Subfamily Thecodontinae *nov.*⁵⁷
- Genus *Pristes* Carpenter, 1864.
- Pristes oblongus** Carpenter, 1864.
Pristes oblongus Carpenter, 1864c: 611, 643.
 27N-33N: 30N. Intertidal-2 m. +8° +31°C. Recent.
- Superfamily Cyamiacea Philippi, 1845.
nom. transl. Thiele, 1934 *ex* Cyamiidae.
- Family Cyamiidae Philippi, 1845.
- Genus *Cyamiomactra* Bernard, 1897.
- Cyamiomactra chilensis** Ramorino, 1968.
Cyamiomactra chilensis Ramorino, 1968: 213, pl. 2, f. 8, pl. 8, f. 1, 3.
 33S. 20 m. +13° +20°C. Recent.
- Genus *Cyamium* Philippi, 1845.
- Cyamium antarcticum** Philippi, 1845.
Cyamium antarcticum Philippi, 1845b: 51 (*antarcticum nom. null. auctt.*)
C. subquadratum Pelseeneer, 1903: 15, pl. 9, f. 124; *C. iridescens*
 Cooper & Preston, 1910: 112, pl. 4, f. 1; *C. bennettii* Preston, 1912: 637,
 pl. 21, f. 4; *C. exasperatum* Preston, 1912: 638, pl. 21, f. 5; *C. piscium*
 Preston, 1912: 638, pl. 21, f. 6; *C. copiosum* Preston, 1913: 222, pl. 4, f.
 9; *C. cuneatum* Preston, 1913: 222, pl. 4, f. 10; *C. stanleyense* Preston,
 1913: 222, pl. 4, f. 11.
- South Atlantic.
 52S-54S. 150-250 m. +2° +9°C. Recent.
- Genus *Kingiella* Soot-Ryen, 1957.
- Kingiella chilena** Soot-Ryen, 1957.
Kingiella chilena Soot-Ryen, 1957a: 3; 1959: 44, pl. 2, f. 13-15
 (redescription).
 41S. Intertidal. +10° +21°C. Recent.
- Family Perrierinidae Marwick, 1927.
- Genus *Cyamiocardium* Soot-Ryen, 1951.
- Cyamiocardium dahli** Soot-Ryen, 1957.
Cyamiocardium dahli Soot-Ryen, 1957a: 4; Soot-Ryen, 1959: 45, pl. 2,
 f. 16 (redescription).
 42S. 15 m. +6° +15°C. Recent.
- Family Sportellidae Dall, 1899.
- Genus *Basterotia* Hornes, 1859 (Mayer MS)
- Subgenus *Basterotia s.s.*
- Basterotia peninsularis** (Jordan, 1936).
Anisodonta peninsularis Jordan, 1936: 147, pl. 18, f. 11, 12.
 1N-17N: 9N. Intertidal-15 m. +20° +31°C. Pleistocene.
- Basterotia quadrata* (Hinds, 1843).⁵⁸
Corbula quadrata Hinds, 1843a: 57.
 Extralimital.
- Subgenus *Basterotella* Olsson & Harbison, 1953.
- Basterotia hertleini** Durham, 1950.
Basterotia hertleini Durham, 1950: 94, pl. 25, f. 4, 11; *part. Anisodonta*
peninsulare auctt. not Jordan, 1936; *Basterotia californica* Durham,
 1950: 94, pl. 25, f. 9, 12; *B. ecuadoriana* Olsson, 1961: 243, pl. 36, f. 8,
 a.
- Galapagos Islands.
 1S-24N: 12N. Intertidal-45 m. +18° +31°C. Pliocene.
- Genus *Ensitellops* Olsson & Harbison, 1953.
- Ensitellops hertleini** Emerson & Puffer, 1957.
Ensitellops hertleini Emerson & Puffer, 1957: 21, f. 2.
 2S-31N: 15N. Intertidal-110 m. +17° +33°C. Recent.
- Ensitellops pacifica** Olsson, 1961.
Ensitellops pacifica Olsson, 1961: 241, pl. 80, f. 9, a.
 2S-8N: 3N. 20-120 m. +15° +29°C. Recent.
- Family Neoleptonidae Thiele, 1934.
- Genus *Neodavisia* Chavan, 1969.
- Neodavisia cobbi** (Cooper & Preston, 1910).
Davisia cobbi Cooper & Preston, 1910: 113, pl. 4, f. 9, 10; *D. bennetti*
 Preston, 1912: 639, pl. 21, f. 7; *D. concentrica* Preston, 1912: 639, pl.
 21, f. 8.
- South Atlantic, Antarctic.
 54S. 100-200 m. 0 +8°C. Recent.
- Neodavisia hupei** (Soot-Ryen, 1957).
Neolepton hupei Soot-Ryen, 1957a: 4; 1959: 47, pl. 2, f. 18 (redescrption).
- South Atlantic.
 34S-54S: 44S. 150-300 m. 0 +12°C. Recent.
- Neodavisia parasiticum* (Dall, 1876).
Lepton parasiticum Dall, *in* Kidder, 1876: 45.
- Extralimital. South Atlantic, Antarctic.
- Superfamily CHLAMYDOCONCHACEA Dall, 1884.
nom. transl. Keen, 1969 *ex* Chlamydoconchidae.
- Family Chlamydoconchidae Dall, 1899.
- Genus *Chlamydoconcha* Dall, 1884.
- Chlamydoconcha orcutti** Dall, 1884.
Chlamydoconcha orcutti Dall, 1884a: 51.
 27N-38N: 33N. Intertidal-40 m. +15° +32°C. Recent.
- Superfamily CARDITACEA Fleming, 1828.
nom. transl. Menke, 1830 *ex* Carditidae.
- Family Carditidae Fleming, 1828.
nom. correct. Cossmann, 1914 *pro* Carditacea.
- Subfamily Carditinae Fleming, 1828.
nom. transl. Chavan, 1969 *ex* Carditidae.
- Genus *Cardita* Bruguière, 1792.
- Subgenus *Byssomera* Olsson, 1916.
- Cardita affinis** Sowerby, 1833.
Cardita affinis Sowerby, 1833: 195; *part. C. nodulosa auctt.* not
 Lamarck, 1819 (*modulosa nom. null. auctt.*) (Atlantic); *part. C. rufes-*
cens auctt. not Lamarck, 1819 (Atlantic); *C. volucris* Reeve, 1843: 1
Cardita pl. 4, sp. 20; *C. californica* Deshayes, 1854: 100; ?*C. in-*
crassatus Carpenter, 1857a: 287, 306, 354 "Pfeiffer" *nom. nud.*
- Galapagos Islands.
 4S-29N: 13N. Intertidal-27 m. +22° +34°C. Pliocene.
- Subfamily Carditesinae Chavan, 1969.
- Genus *Cardites* Link, 1807.
- Cardites crassicostata** (Sowerby, 1825).
Cardita crassocostata Sowerby, 1825: 4; *C. cuvieri* Broderip *in* Broderip

- & Sowerby, 1832: 55; *C. michelini* Valenciennes in Petit-Thouars, 1846: pl. 22, f. 5; *C. (Glans) sulcosa* Dall, 1903a: 707, 715.
- Galapagos Islands.
- 2S-27N: 12N. Intertidal-5 m. +20° +30°C. Recent.
- Cardites grayi*** (Dall, 1903).
Cardita grayi Dall, 1903a: 706; *C. crassa* Sowerby in Beechey, 1839: 152, pl. 42, f. 4 not Lamarck, 1819.
- Galapagos Islands.
- 2S-27N: 13N. Intertidal-5 m. +22° +30°C. Recent.
- Cardites laticostata*** (Sowerby, 1833).
Cardita laticostata Sowerby, 1833: 195, *C. tricolor* Sowerby, 1833: 194; *C. arcella* Valenciennes in Petit-Thouars, 1846: pl. 22, f. 1; *C. turgida* Valenciennes in Petit-Thouars, 1856: pl. 22, f. 3 not Lamarck, 1819; *C. reeveana* Clessin, in Küster & Kobelt, 1888: 37, 58, pl. 13, f. 1, 2.
- Galapagos Islands.
- 4S-30N: 13N. Intertidal-30 m. +18° +33°C. Pleistocene.
- Genus ***Strophocardia*** Olsson, 1961.
- Strophocardia megastrophia*** (Gray, 1825).
Venericardia megastrophia Gray, 1825: 137; *V. flammeea* Michelin, 1831: pl. 6; *Cardita tumida* Broderip, 1832: 56; *C. varia* Broderip in Broderip & Sowerby, 1832: 56.
- Galapagos Islands.
- 2S-27N: 13N. 30-150 m. +19° +29°C. Pliocene.
- Subfamily Carditamerinae Chavan, 1969.
- Genus ***Carditamera*** Conrad, 1838.
- Carditamera radiata*** (Sowerby, 1833).
Cardita radiata Sowerby, 1833: 195; *Lazaria observa* Mørch, 1861: 199. 1S-23N: 11N. Intertidal-25 m. +19° +30°C. Pleistocene.
- Genus ***Carditella*** E. A. Smith, 1881.
- Subgenus *Carditella s.s.*
- Carditella exulata* E. A. Smith, 1885.
Carditella exulata E. A. Smith, 1885: 215, pl. 15, f. 6, a.
- South Atlantic.
- ?54S. 50-250 m. +2° +8°C. Recent.
- Carditella naviformis*** (Reeve, 1843).
Cardita naviformis Reeve, 1843: 1 *Cardita* pl. 9, sp. 45; *C. australis* Philippi, 1858: 23; *Actinobolus philippii* Tryon, 1872c: 254; *Cardita paeteliana* Clessin in Küster & Kobelt, 1888: 20, pl. 6, f. 7, 8. 39S-53S: 46S. 20-260 m. +2° +17°C. Recent.
- Carditella pallida*** E. A. Smith, 1881.
Carditella pallida E. A. Smith, 1881: 43, pl. 5, f. 9, b. 50S-54S: 52S. 4-50 m. +2° +11°C. Recent.
- Carditella parvulum*** (Dunker, 1861).
Cardium parvulum Dunker, 1861: 36 not preoc. *Cardita parvula* Münster in Goldfuss, 1837. 43S. Depth unknown. Recent.
- Carditella semen*** (Reeve, 1843).
Cardita semen Reeve, 1843: 1 *Cardita* pl. 9, sp. 43; ?*Cardium pygmae* Philippi, 1860: 176, pl. 7, f. 3a-c not Donovan, 1799 not Hisinger, 1837. 24S-55S: 40S. Intertidal-100 m. +1° +25°C. Recent.
- Carditella tegulata*** (Reeve, 1843).
Cardita tegulata Reeve, 1843: 1 *Cardita* pl. 9, sp. 48. (*tegulina* nom. null. auctt.). 33S-54S: 44S. Intertidal-25 m. +1° +24°C. Recent.
- Genus ***Crassicardia*** Savizky, 1979.
- Crassicardia crassidens*** (Broderip & Sowerby, 1829).
Astarte crassidens Broderip & Sowerby, 1829: 365; part. *Cardita borealis* auctt. not Conrad, 1831 (Atlantic); *C. borealis paucicostata* Krause, 1855: 30, pl. 3, f. 5; *Venericardia (Cyclocardia) rudis* Dall, 1903a: 711 (Sowerby MS) *V. (Cyclocardia) morsei* Dall, 1918a: 234; *C. kamtschatica* Slodkevich, 1935: 353, pl. 62, f. 1a, 2a; *C. matitukensis* Slodkevich, 1938: 137, pl. 61, f. 10, 112; *C. subcrassidens* MacNeil in MacNeil, Mertie & Pilsbry, 1943: 90, pl. 15, f. 1, 3.
- Chukchi Sea, Northwest Pacific.
- 51N-71N: 61N. 1-200 m. -2° +11°C. Pliocene.
- Crassicardia umnaka*** (Willett, 1932)
Cardita umnaka Willett, 1932: 87, pl. 5, t1, 2.
- Aleutians
- 54°N 50 m. +5° +12°C. Recent.
- Genus ***Cyclocardia*** Conrad, 1867.
- Subgenus *Cyclocardia s.s.*
- Cyclocardia bailyi*** (J. Burch, 1944).
Cardita (Cyclocardia) bailyi J. Burch, 1944: 13; *Venericardia nodulosa* Dall, 1916a: 25 nom. nud.; 1919c: 249 not *Cardita nodulosa* Lamarck, 1819; *C. longini* Baily, 1945: 118. 28N-34N: 31N. 30-275 m. +8° +29°C. Recent.
- Cyclocardia barbarensis*** (Stearns, 1891).
Venericardia barbarensis Stearns, 1891: 214, pl. 16, f. 3, 4. 34N. 375-2211 m. +5° +11°C. Pliocene.
- Cyclocardia beebei*** (Hertlein, 1958).
Cardita spurca beebei Hertlein, 1958: 107, pl. 21, f. 3, 4, 11-14; not *Cardita spurca* Sowerby, 1833. 9N-26N: 18N. 45-65 m. +12° +30°C. Recent.
- Cyclocardia crebricostata*** (Krause, 1885).
Cardita borealis crebricostata Krause, 1885: 30 pl. 3, f. 4; part. *C. borealis* auctt. not Conrad, 1831 (Atlantic); *Venericardia alaskana* Dall, 1903a: 710, 715; *Cardita (Cyclocardia) crebricostata nomensis* MacNeil in MacNeil, Mertie & Pilsbry, 1943: 90, pl. 14, f. 18; *C. beringiana* Slodkevich, 1935: 47, pl. 3, f. 7.
- Arctic Ocean Northwest Pacific.
- 50N-71N: 60N. 10-260 m. -1° +13°C. Pliocene.
- Cyclocardia gouldii*** (Dall, 1903).⁵⁹
Venericardia (Cyclocardia) gouldii Dall, 1903a: 709, 714. 33N. 1503 m. nom. dub. Recent.
- Cyclocardia incisa*** (Dall, 1903).
Venericardia (Cyclocardia) incisa Dall, 1903a: 710, 714.
- Northwest Pacific.
- 52N-57N: 55N. 1-135 m. -1° +12°C. Recent.
- Cyclocardia ovata*** (Rjabinina, 1952).
Venericardia (Cyclocardia) borealis ovata Rjabinina, 1952: 281; not preoc. *Cardita ovata* C. B. Adams, 1845.
- Arctic Ocean.
- 52N-60N: 56N. 720 m. +1° +9°C. Recent.
- Cyclocardia rjabininae*** (Scarlatto, 1955).
Venericardia granulata rjabininae Scarlatto, 1955b: 192, pl. 51, f. 6; part. *Actinobolus (Cyclocardia) novangliae* auctt. not Morse, 1869 (Atlantic); *Venericardia eximoensis* Tiba, 1972: 138, pl. 16. f. 1-3.
- Arctic Ocean Northwest Pacific.
- 57N-58N. 18-572 m. -1° +11°C. Recent.
- Cyclocardia ventricosa*** (Gould, 1850).
Cardita ventricosa Gould, 1850: 276; *Venericardia (Cyclocardia) stearnsii* Dall, 1903a: 225, pl. 16, f. 5, 6; *Cardita ventricosa redondoensis* T. Burch in J. Burch, 1944: 14 (Burch MS); *C. (Cyclocardia) ventricosa montereyensis* Smith & Gordon, 1948: 172. 28N-60N: 44N. 20-620 m. +1° +17°C. Pleistocene.
- Sensu lato.⁶⁰
- Cyclocardia compressa*** (Reeve, 1843).
Cardita compressa Reeve, 1843: 1 *Cardita* pl. 9, sp. 46 not Reuss, 1844; *C. (Actinobolus) procera* Gould, 1850: 276.

South Atlantic.

33S–54S: 44S. 100–121 m. +1° +16°C. Recent.

Cyclocardia spurca (Sowerby, 1833).
Cardita spurca Sowerby, 1833: 195.
 20S–50S: 35S. 10–80 m. +2° +17°C. Pleistocene.

Cyclocardia velutinus (E. A. Smith, 1881).
Cardita (Actinobolus) velutinus E. A. Smith, 1881: 42, pl. 5, f. 8.

South Atlantic.

35S–45S: 40S. 5–250 m. +5° +20°C. Recent.

Genus *Glans* Megerle, 1811.

Glans carpenteri (Lamy, 1922).
Cardita (Carditamera) carpenteri Lamy, 1922: 264; *Lazaria subquadrata* Carpenter, 1864c: 536, 627, 642 not *Cardita subquadrata* Conrad, 1848 (transitory homonym); *Glans minuscula* Grant & Gale, 1931: 276, pl. 13, f. 10a,b.
 28N–58N: 43N. Intertidal–100 m. +5° +28°C. Recent.

Genus *Miodontiscus* Dall, 1903.

Miodontiscus prolongatus (Carpenter, 1864).
Miodon prolongatus Carpenter, 1864c: 611, 627, 642, 682; *Venericardia yatesi* Arnold, 1907b: 439, pl. 58, f. 2a,b; *Miodontiscus meridionalis* Dall, 1916a: 24 *nom. nud.*; 1916b: 408; *Venericardia tokunagai* Yokoyama, 1923: 6, pl. 1, f. 2.

Northwest Pacific.

33N–60N: 47N. 5–210 m. +3° +22°C. Pleistocene.

Genus *Pleuromeris* Conrad, 1867.

Pleuromeris guanica (Olsson, 1961).
Cardita (Pleuromeris) guanica Olsson, 1961: 188, pl. 25, f. 8.
 7N. Depth unknown. Recent.

Subfamily Thecaliinae Dall, 1903.

Genus *Milneria* Dall, 1881.

Milneria kelseyi Dall, 1916.
Milneria kelseyi Dall, 1916a: 26 *nom. nud.*; 1916b: 408; *part. M. minima* *auctt.* not Dall, 1871.
 27N–37N: 32N. Intertidal–40 m. +11° +23°C. Recent.

Milneria minima (Dall, 1871).
Ceropsis minima Dall, 1871: 152, pl. 16, f. 5, 6; *Trapezium halitolicola* Dall, 1871: 152 *nom. nud.*; *part. Milneria kelseyi auctt.* not Dall, 1916.
 28N–37N: 32N. Intertidal–80 m. +9° +23°C. Recent.

Family Condyllocardiidae Bernard, 1896.

Subfamily Condyllocardiinae Bernard, 1896.
nom. transl. Chavan, 1969 *ex* Condyllocardiidae.

Genus *Carditopsis* E. A. Smith, 1881.

Carditopsis flabellum (Reeve, 1843).
Cardita flabellum Reeve, 1843: 1 *Cardita* pl. 9, sp. 47; *C. malvinae* Orbigny, 1846: 580, pl. 84, f. 4–6; *C. pallida duodecimcostata* Melville & Standen, 1912: 361, pl. 1, f. 19, a.

South Atlantic.

33S–54S: 44S. 10–150 m. +2° +15°C. Recent.

Genus *Condyllocardia* Bernard, 1896.

Condyllocardia digueti Lamy, 1916.
Condyllocardia digueti Lamy, 1916: 443.
 21N–24N: 23N. Intertidal–40 m. +19° +32°C. Recent.

Condyllocardia hippopus (Mørch, 1861).
Hippella hippopus Mørch, 1861: 200; *Condyllocardia panamensis* Olsson, 1942: 186, pl. 3, f. 9, 10.
 7N–10N: 9N. 10–20 m. +21° +27°C. Pleistocene.

Superfamily CHAMACEA Lamarck, 1809.
nom. correct ICZN, 1957 *pro* Camacea Blainville, 1825 *ex* camacees.

Family Chamidae Lamarck, 1809.
nom. transl. Broderip, 1839 *ex* Camacea Blainville, 1825 *ex* camacees.

Genus *Arcinella* Schumacher, 1817.
 ICZN opinion 417.

Arcinella californica (Dall, 1903).
Echinochama californica Dall, 1903b: 950, pl. 62, f. 5.
 6N–28N: 17N. 25–80 m. +16° +30°C. Pliocene.

Genus *Chama* Linné, 1758.

Subgenus *Chama* s.s.

Chama arcana Bernard, 1976.
Chama arcana Bernard, 1976: 14, f. 4, a, b; *part. C. pellucida auctt.* not Broderip, 1825.
 26N–44N: 35N. Intertidal–80 m. +8° +19°C. Miocene.

Chama buddiana C. B. Adams, 1852.
Chama buddiana C. B. Adams, 1852: 477, 544.

Clipperton, Galapagos Islands.

0–11N: 5N. Intertidal–2 m. +19° +32°C. Recent.

Chama chilensis Philippi, 1887.
Chama chilensis Philippi, 1887: 180, pl. 32, f. 9.
 54S. Probably fossil only.

Chama corallina Olsson, 1971.
Chama corallina Olsson *in* Bayer & Voss, 1971: 39, f. 7–10.
 8N–23N: 16N. 15–100 m. +18° +28°C. Recent.

Chama echinata Broderip, 1835.
Chama echinata Broderip, 1835a: 150; *C. coralloides* Reeve, 1847: 4
Chama pl. 4, sp. 18; *C. delesserti* Chenu, 1846: pl. 6, f. 4.

Galapagos Island.

9S–29N: 10N. Intertidal–25 m. +19° +31°C. Pleistocene.

Chama flavida Clessin, 1889.
Chama flavida Clessin *in* Küster & Kobelt, 1889: 44, pl. 17, f. 8, 9.
 Extralimital, possibly synonym of Caribbean *C. sinuosa* Broderip 1835.

Chama frondosa Broderip, 1835.
Chama frondosa Broderip, 1835a: 148; *C. pacifica* Carpenter, 1857b: 232 (Gould *MS*) *nom. nud.* not Broderip, 1834; *C. parasitica* Rochebrune, 1895: 243. 2N–24N 25 31N. +17° +31°C. Recent.

Chama garthi Bernard, 1976.
Chama garthi Bernard, 1976: 18, f. 9a, b.
 2S–7N: 3N. Intertidal–22 m. +20° +31°C. Recent.

Chama maculata Clessin, 1889.
Chama maculata Clessin *in* Küster & Kobelt, 1889: 43, pl. 4, f. 4, 6. *nom. dub*
 54S. Holotype lost.

Chama mexicana Carpenter, 1857.
Chama frondosa mexicana Carpenter, 1857b: 87; *C. frondosa* (var.) Broderip, 1835a: 149; *C. producta* Broderip, 1835a: 150 *nom. oblit.*; *C. frondosaformicata* Carpenter, 1857b: 89; *C. purpurascens* Tryon, 1872a: 117 (Conrad *MS*); *C. compacta* Clessin *in* Küster & Kobelt, 1889: 25, pl. 10, f. 4.

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14N–31N: 23N. Intertidal–80 m. +20° +30°C. Pleistocene.

Chama pellucida Broderip, 1835.
Chama pellucida Broderip, 1835a: 302, pl. 38, f. 3; *C. chilensis* Philippi, 1887: 173, pl. 37, f. 9.
 5S–33S: 19S. Intertidal–30 m. +12° +24°C. Pliocene.

Chama sordida Broderip, 1835.
Chama sordida Broderip, 1835a: 151.
 3N–30N: 17N. 1–45 m. +20° +32°C. Recent.

Chama squamuligera Pilsbry & Lowe, 1932.
Chama squamuligera Pilsbry & Lowe, 1932: 103, pl. 14, f. 10; *part. C. spinosa auctt.* Broderip, 1835; *C. rubropicta* Bartsch & Rehder, 1939b: 13, pl. 3, f. 6–10.

Clipperton, Galapagos Islands.

2S–30N: 14N. 1–20 m. +19° +31°C. Pliocene.

Chama tinctoria Bernard, 1976.
Chama tinctoria Bernard, 1976: 22, f. 5a–c; *part. C. pacifica auctt.* not

- Broderip, 1835; *part. C. broderipi* auctt. not Reeve, 1847.
8N–21N: 14N. 15–100 m. +21° +31°C. Recent.
- Chama venosa*** Reeve, 1847.
Chama venosa Reeve, 1847: 4 *Chama* pl. 7, sp. 34; *C. digueti* Rochebrune, 1895: 243.
5S–29N: 12N. Intertidal–5 m. +19° +31°C. Recent.
- Genus ***Pseudochama*** Odhner, 1917.
- Pseudochama clarionensis*** Willett, 1938.
Pseudochama clarionensis Willett, 1938: 48, pl. 4, f. 1, 2.
Galapagos Islands.
1S–18N: 10N. 25–55 m. +19° +31°C. Recent.
- Pseudochama corrugata*** (Broderip, 1835).
Chama corrugata Broderip, 1835a: 150.
6S–29N: 12N. Intertidal–5 m. +18° +30°C. Recent.
- Pseudochama dalli*** Bernard, 1976.
Pseudochama dalli Bernard, 1976: f. 12d; *Chama inermis* Dall, 1871: 148 (Carpenter *MS*) not *C. imbricata inermis* Deshayes, 1863.
9N–21N: 15N. 1–5 m. +21° +31°C. Recent.
- Pseudochama exogyra*** (Conrad, 1837).
Chama exogyra Conrad, 1837: 256; *Pseudochama granti* Strong, 1934: 137, pl. 8, f. 6, 7.
33N–44N: 39N. (50N) 20–155 m. +6° +21°C. Pliocene.
- Pseudochama janus*** (Reeve, 1847).
Chama janus Reeve, 1847: 4 *Chama* pl. 7, sp. 36; *C. imbricata* (var.) Broderip, 1835: 149.
Galapagos Islands.
0–1S. 10–25 m. +17° +30°C. Recent.
- Pseudochama panamensis*** (Reeve, 1847).
Chama panamensis Reeve, 1847: 4 *Chama* pl. 8, sp. 45.
1N–30N: 15N. Intertidal–10 m. +22° +32°C. Recent.
- Pseudochama saavedrai*** Hertlein & Strong, 1946.
Pseudochama saavedrai Hertlein & Strong, 1946: 110, pl. 1, f. 1, 3, 8, 10.
8N–31N: 19N. Intertidal–55 m. +19° +33°C. Pleistocene.
- Superfamily CRASSATELLACEA FÉRUSSAC, 1822.⁶¹
nom. transl. Newell, 1965 ex Crassatellidae.
- Family Crassatellidae Férussac, 1822.
- Subfamily Crassatellinae Férussac, 1822.
nom. transl. Chavan, 1952 ex Crassatellidae.
- Genus ***Eucrassatella*** Iredale, 1924.
- Subgenus ***Hybolophus*** Stewart, 1930.
- Eucrassatella digueti*** (Lamy, 1917).
Crassatella digueti Lamy, 1917: 217; *C. undulata* Sowerby, 1832: 56 not Lamarck, 1805 not Sowerby, 1824; *Crassatellites laronus* Jordan, 1932: 9.
3N–30N: 17N. 10–65 m. +23° +39°C. Pleistocene.
- Eucrassatella fluctuata*** (Carpenter, 1864).
Astarte fluctuata Carpenter, 1864c: 611, 642; *Crassatella marginata* Keep, 1888: 179 "Carpenter" *nom. nud.* (*margarita* *nom. null.* auctt.).
28N–33N: 31N. 40–55 m. +18° +27°C. Recent.
- Eucrassatella gibbosa*** (Sowerby, 1832).
Crassatella gibbosa Sowerby, 1832: 56; *C. corbuloides* Reeve, 1843: 1 *Crassatella* pl. 2, sp. 9; *Crassatellites rudis* Li, 1930: 257, pl. 3, f. 16; *Eucrassatella gibbosa tucilla* Olsson 1932: 56; *Eucrassinella manabensis* Cruz, 1980: 67, f. 1, 2, 5, 6; *E. aequatorialis* Cruz, 1980: 68, f. 3, 4, 7.
Galapagos Islands.
5S–26N. 11N. 20–40 m. +18° +30°C. Pliocene.
- Subfamily Scambulinae Chavan, 1952.
- Genus ***Crassinella*** Guppy, 1874.
- Crassinella adamsi*** Olsson, 1961.
Crassinella adamsi Olsson, 1961: 183, pl. 25, f. 3, a-c.
3S–23N: 5–100 m. +16° +30°C. Recent.
- Crassinella coxa*** Olsson, 1964.
Crassinella coxa Olsson, 1964: 43, pl. 5, f. 11, 12.
6N–28N: 35–160 m. +16° +28°C. Recent.
- Crassinella ecuadoriana*** Olsson, 1961.
Crassinella ecuadoriana Olsson, 1961: 182, pl. 25, f. 6, a-e.
2S–24N: Intertidal–55 m. +20° +31°C. Recent.
- Crassinella nuculiformis*** Berry, 1940.
Crassinella nuculiformis Berry, 1940: 3, pl. 1, f. 1, 2; *C. clementina* Pilsbry & Olsson, 1941: 56, pl. 12, f. 8.
3S–28N: Intertidal–65 m. +18° +32°C. Pliocene.
- Crassinella oregonensis*** Keen, 1938.
Crassinella oregonensis Keen, 1938: 31, pl. 2, fl. 11, 12, 43N. Extralimital-*Astarte lunulata* Conrad, 1834 (Atlantic).
- Crassinella pacifica*** C. B. Adams, 1852.
Gouldia pacifica C. B. Adams, 1852: 499; *Astarte (Crassinella) branteri* Arnold, 1903: 30, 60, 123, pl. 18, f. 12; *Crassinella mexicana* Pilsbry & Lowe, 1932: 103, pl. 14, f. 8, 9; *C. quintinensis* Manger, 1934: 298, pl. 21, f. 1, 2.
Galapagos Islands.
4S–34N: Intertidal–160 m. +16° +33°C. Pleistocene.
- Crassinella skoglundae*** Coan, 1979.
Crassinella skoglundae Coan, 1979: 6, f. 12, 15.
17N–21N: 19N. 10–30 m. +19° +27°C. Recent.
- Crassinella varians*** (Carpenter, 1857).
Gouldia varians Carpenter, 1857a: 306, 364, 366 *nom. nud.*; 1857b: 83; *Crassinella goldbaumi* Jordan, 1936: 112, 126, pl. 18, f. 4, 5; *C. haylocki* Pilsbry & Olsson, 1941: 57, pl. 18, f. 7, 8.
3S–28N: 13N. Intertidal–115 m. +17° +31°C. Pliocene.
- Superfamily ASTARTACEA Orbigny, 1844.⁶²
nom. transl. herein ex Astartidae.
- Family Astartidae Orbigny 1844.
- Subfamily Astartinae Orbigny, 1844.
nom. transl. Chavan, 1969 ex Astartidae.
- Genus ***Astarte*** Sowerby, 1816.
- Subgenus ***Astarte*** s.s.
- Astarte compacta*** Carpenter, 1864.
Astarte compacta Carpenter, 1864c: 602, 642, 682.
48N–55N: 52N. 10–150 m. +2° +14°C. Recent.
- Astarte crenata*** (Gray, 1824).
Nicania crenata Gray, 1824: 242; *Crassinella elliptica* Brown, 1827: 96, pl. 18, f. 3 not *Astarte (Coelastarte) elliptica* Sibiryokova, 1961; *Crassinella ovata* Brown, 1830: 12, pl. 1, f. 8; *C. gairensis* J. Smith, 1839: 90 (Nicol *MS*); *Astarte quadrans* Gould, 1841: 81, f. 48; *A. semisulcata* Møller, 1842: 19 not *Crassinella semisulcata* Leach in Ross, 1819; *A. crebricostata* MacAndrew & Forbes, 1847: 98, pl. 9, f. 4; *A. crebrilirata* Wood, 1853: 184, pl. 16, f. 2a, b; *A. intermedia* Sowerby, 1854: 779, pl. 167, f. 11; *A. subaequilatera* Sowerby, 1854: 786, pl. 167, f. 13; *A. oblonga* Sowerby, 1855: 731, pl. 167, f. 13; *A. acuticostata* Jeffreys in Friele, 1876: 3; *A. subaequilatera whiteavesii* Dall, 1903b: 948, pl. 62, f. 7, 12; *A. crenata inflata* Hägg, 1904: f. 4–6; *A. crenata quadrata* Filatova, 1957: 54 *nom. nud.*; *A. ecostata* Filatova, 1957: 54 *nom. nud.*; *A. crenata sulcatoides* Nesic, 1964: 662, f. 1, 2.
Panarctic, North Atlantic.
64N–71N: 68N. 10–500 m. –2° +4°C. Pleistocene.
- Astarte polaris*** Dall, 1903.
Astarte polaris Dall, 1903b: 939, 945, pl. 63, f. 5.
56N–64N: 60N. 15–300 m. –1° +10°C. Pleistocene.
- Astarte undata*** Gould, 1841.
Astarte undata Gould, 1841: 80 not Orbigny, 1850; *A. undata latisulca* Hanley, 1843: 350, pl. 14, f. 5.

- Northwest Atlantic.
48N-54N: 51N. 20-200 m. -1° +12°C. Pleistocene.
Astarte willetti Dall, 1917.
Astarte willetti Dall, 1917b: 11.
48N-55N: 52N. 15-80 m. +1° +11°C. Recent.
Subgenus *Rictocyma* Dall, 1871.
Astarte esquimalti (Baird, 1863).
Crassatella esquimalti Baird, 1863: 70; *Astarte esquimalti limita* Dall, MS; *Rictocyma zenkevitchi* Filatova, 1957: 300, f. 4.
- Northwest Pacific.
48N-71N: 60N. 50-200 m. -1° +15°C. Pleistocene.
Astarte mirabilis (Dall, 1871).
Rictocyma mirabilis Dall, 1871: 151, pl. 14, f. 6; *Astarte (Gonilia) diversa* Dall, 1920: 28, 33, pl. 5, f. 6.
55N-60N: 58N. 50-150 m. -1° +9°C. Pliocene.
Sensu lato.
Astarte longirostra Orbigny, 1846.⁶³
Astarte longirostra Orbigny, 1846: 576, pl. 83, f. 19-22; *A. magellanica* E. A. Smith, 1881: 41, pl. 5, f. 7; *A. antarctica* Thiele, 1912: 229, pl. 18, f. 8.
- South Atlantic.
54S. 100-300 m. +1° +7°C. Recent.
Genus *Tridonta* Schumacher, 1817.
Tridonta alaskensis (Dall, 1903).
Astarte alaskensis Dall, 1903b: 944, 946, pl. 63, f. 2; *part. A. undata* *auctt.* not Gould, 1841; *A. (Tridonta) alaskensis shinadae* Kanno, 1962: 59, pl. 3, f. 7a,b.
48N-60N: 54N. 20-250 m. +1° +14°C. Pliocene.
Tridonta arctica (Gray, 1824).
Crassina arctica Gray, 1824: 143 not Møller, 1842; *part. Tridonta borealis* *auctt.* not Schumacher, 1817; *Astarte cyprinoides* Duval, 1841: 278; *Tridonta cagnei* Pollonera in Luigi, 1903: 621; *Astarte arctica broweri* Meek, 1923: 414, 416.
- Arctic, Atlantic.
56N-66N: 61N. 50-300 m. -2° +10°C. Pleistocene.
Tridonta bennettii (Dall, 1903).
Astarte bennettii Dall, 1903b: 945, pl. 63, f. 6; *A. aomoriensis* Nomura & Hatai, 1935b: 115, pl. 9, f. 5.
- Chukchi Sea, Northwest Pacific.
56N-62N: 589N. 20-200 m. -1° +9°C. Pleistocene.
Tridonta borealis Schumacher, 1817.
Tridonta borealis Schumacher, 1817: 147, pl. 17, f. 1 *ex Venus borealis* Chemnitz, 1784; *Astarte plana* Sowerby, 1818: pl. 179, f. 2; *Crassina semisulcata* Leach in Ross, 1819: 175; *C. corrugata* Brown, 1827: pl. 16, f. 24; *C. depressa* Brown, 1827: pl. 18, f. 2; *C. compressa* Brown, 1827: pl. 18, f. 45 not *Venus compressa* Montagu, 1808; *Astarte lactea* Broderip & Sowerby, 1829: 365; *Crassina multicosata* J. Smith, 1839: 104, pl. 1, f. 19 not *Astarte multicosata* Filatova, 1957; *C. uddevalensis* J. Smith, 1839: 104, pl. 1, f. 20; *C. withami* J. Smith, 1839: 105, pl. 1, f. 21; *A. corrugata* Middendorff, 1849: 562, pl. 17, f. 4-10; *A. semisulcata placenta* Mørch, 1869: 26; *A. semisulcata rhomboidalis* Leche, 1883: 441, pl. 34, f. 35, 36; *A. borealis crassa* Pfeiffer, 1886: 11, f. 2, 3a,b,4; *A. rollandi loxia* Dall, 1903b: 943; *A. leffingwelli* Dall, 1920: 32, pl. 6, f. 8; *A. borealis ovata* Filatova, 1957: 54 not *Crassina ovata* Brown, 1827; *A. borealis pseudoactis* Merklin & Petrov in Petrov *et al.*, 1962: 33, pl. 4, f. 1-3.
- Panarctic, circumboreal.
58N-71N: 65N. Intertidal-50 m. -2° +14°C. Pliocene.
Tridonta filatovae Habe, 1964.
Astarte (Tridonta) filatovae Habe, 1964: 178; *A. multicosata* Filatova, 1957: 297, f. 1a, b not *Crassina multicosata* J. Smith, 1839 not *Astarte multicosata* MacGillivray, 1843.
- Northwest Pacific.
60N. 110-140 m. -1° +7°C. Recent.
Tridonta montagui (Dillwyn, 1817).
Venus montagui Dillwyn, 1817: 167; *V. compressa* Montagu, 1808: 43, pl. 26, f. 1 not *V. compressa* Linné, 1771 not *Crassina compressa* Brown, 1827; *Nicania banksii* Leach in Ross, 1819: 62; *N. striata* Leach in Ross, 1819: 62; *Crassina obliqua* Brown, 1827: pl. 18, f. 6; *C. convexuscula* Brown, 1827: pl. 18, f. 7 (Leach MS); *Astarte angulata* Woodward, 1832: 43, pl. 11, f. 17; *A. globosa* Møller, 1842: 19; *A. multicosata* MacGillivray, 1843: 211 not *Crassina multicosata* J. Smith, 1839 not *Astarte sulcata multicosata* Jeffreys, 1864: not *A. multicosata* Filatova, 1957; *A. laurentiana* Lyell, 1845: 150; *A. pulchella* Jonas in Philippi, 1845: 60 *A. warhami* Hancock, 1846: 336, pl. 5, f. 15, 16; *A. fabula* Reeve in Belcher, 1855: 398, pl. 33, f. 5a, b; *A. abbreviata* Sowerby, 1874: 19, f. 6; *A. semilirata* Sowerby, 1874: 19, f. 15, *A. laurentiana sorsor* Dall, 1903b: 947, pl. 62, f. 11.
- Panarctic, circumboreal.
58N-71N: 65N. 10-455 m. -2° +8°C. Pleistocene.
Tridonta rollandi (Bernardi, 1859).
Astarte rollandi Bernardi, 1859: 386, pl. 13, f. 4; *part. Tridonta borealis* *auctt.* not Schumacher, 1817.
- Western Bering Sea.
54N-62N: 58N. 20-350 m. +1° +8°C. Pleistocene.
Tridonta vernicosa (Dall, 1903).
Astarte vernicosa Dall, 1903b: 948, pl. 63, f. 1.
- Western Bering Sea.
58N-62N: 60N. 20-250 m. +1° +11°C. Recent.
Family Cardiniidae Zittel, 1881.
emend. Cox, 1961.
Genus *Tellidorella* Berry, 1963.
Tellidorella cristulata Berry, 1963: 140.
20N-30N: 25N. 25-90 m. +19° +31°C. Recent.
Superfamily CARDIACEA Lamarck, 1809.
nom. transl. Gill, 1871 *ex* Cardicea Goldfuss, 1820 *ex* cardicees.
Family Cardiidae Lamarck, 1809.
nom. correct. Broderip, 1839 *ex* Cardicea Goldfuss, 1820 *ex* cardicees.
Subfamily Cardiinae Lamarck, 1809.
nom. transl. Stoliczka, 1870 *ex* Cardicea Goldfuss, 1820 *ex* cardicees.
Genus *Cardium* Linné, 1758.
Sensu lato.
Cardium gemmatum Carpenter, 1857.
Cardium gemmatum Carpenter, 1857a: 229 (Gould MS) *nom. nud.*
Genus *Acanthocardia* Gray, 1851.
Acanthocardia aculeata (Linné, 1758).
Cardium aculeatum Linné, 1758: 679 [824].
Extralimital. Mediterranean.
Subfamily Trachycardiinae Stewart, 1930.
Genus *Acrosterigma* Dall, 1900.
Acrosterigma pristipleura (Dall, 1901).
Cardium (Trachycardium) pristipleura Dall, 1901a: 389; *C. maculosum* Sowerby, 1833: 85 not Wood, 1815; *C. maculatum* Sowerby, 1841: pl. 56, f. 18 not Gmelin, 1791; *C. (Trachycardium) hornelli* Tomlin, 1928: 194.
1S-26N: 13N. Intertidal-10 m. +18° +31°C. Recent.
Genus *Papyridea* Swainson, 1840.
Papyridea aspersa (Sowerby, 1833).
Cardium aspersum Sowerby, 1833: 85; *part. C. spinosum* *auctt.* not Sowerby, 1805 not Dillwyn, 1817 (Solander MS); *part. C. variegatum*

- auctt.* not Sowerby, 1841 not Solander, 1786; *Papyridea bullata californica* Verrill, 1870: 225.
5S–31N: 13N. Intertidal +23° +33°C. Recent.
- Papyridea crockeri*** (Strong & Hertlein, 1937).
Cardium (*Papyridea*) *crockeri* Strong & Hertlein, 1937: 161, pl. 34, f. 1, 2, 7, 10.
23N–28N: 26N. 100–175 m. +17° +26°C. Recent.
- Papyridea mantaensis*** Olsson, 1961
Papyridea mantaensis Olsson, 1961: 250, pl. 37, f. 5, a, pl. 38, f. 7.
4S–17N: 7N. 50–120 m. +16° +27°C. Recent.
- Genus ***Trachycardium*** Mørch, 1853.
Subgenus *Trachycardium s.s.*
- Trachycardium consors*** (Sowerby, 1833).
Cardium consors Sowerby, 1833: 85; *C. (Trachycardium) consors laxum* Dall, 1901a: 389.
1S–31N: 15N. Intertidal–45 m. +18° +32°C. Pliocene.
- Subgenus *Dalloccardia* Stewart, 1930.
- Trachycardium quadragenarium*** (Conrad, 1837).
Cardium quadragenarium Conrad, 1837: 230, pl. 17, f. 5; ?*C. californianum* Conrad, 1837: 229pl. 17, f. 4; *C. luteolabrum* Gould, 1851: 91; *C. xanthocheilum* Carpenter, 1857a: 232 (Gould MS) *nom. nud.*; *C. arenatum* Carpenter, 1857b: 93; *C. quadragenarium fernandoensis* Arnold, 1907a: 535, pl. 48, f. 2.
32N–37N: 35N. Intertidal–140 m. +13° +31°C. Miocene.
- Trachycardium senticosum*** (Sowerby, 1833).
Cardium senticosum Sowerby, 1833: 84; *C. rastrum* Reeve, 1845: 2
Cardium pl. 16, sp. 82; ?*C. lucinoides* Carpenter, 1857b: 96 *nom. inq.*
5S–24N: 11N. 5–25 m. +20° +30°C. Pleistocene.
- Subgenus *Mexicardia* Stewart, 1930.
- Trachycardium panamense*** (Sowerby, 1833).
Cardium panamense Sowerby, 1833: 85; *part. C. procerum auctt.* not Sowerby, 1833; *C. rotundatum* Carpenter, 1857a: 247, 307, *nom. nud.*; Carpenter, 1857b: 531 not Dujardin, 1837; *Trigoniocardia eudoxia* Dall, 1916a: 31 *nom. nud.*; 1916b: 412.
8N–28N: 18N. Intertidal–15 m. +17° +32°C. Pleistocene.
- Trachycardium procerum*** (Sowerby, 1833).
Cardium procerum Sowerby, 1833: 83; *C. laticostatum* Sowerby, 1833: 85; *C. subelongatus* Valenciennes in Petit-Thouars, 1846: pl. 17, f. 2; *C. dulcinea* Dall, 1916b: 412; *C. parvulum* Li, 1930: 529, pl. 3, f. 22.
Galapagos Islands.
14S–24N: 15N. 5–15 m. +19° +30°C. Pliocene.
- Subgenus *Phlogocardia* Stewart, 1930.
- Trachycardium belcheri*** (Broderip & Sowerby, 1829).
Cardium belcheri Broderip & Sowerby, 1829: 366, pl. 9, f. 3.
9N–28N: 19N. 80–140 m. +15° +27°C. Recent.
- Subfamily Fraginae Stewart, 1930.
- Genus ***Americardia*** Stewart, 1930.
- Americardia biangulata*** (Sowerby, 1829).
Cardium biangulatum Sowerby, 1829: 367, f. 2; *C. modestum* Conrad, 1855b: 11, pl. 3, f. 15 not Philippi, 1845 (Japan); *C. magnificum* Carpenter, 1857a: 187 (Deshayes MS).
3S–34N: 16N. Intertidal–155 m. +14° +31°C. Pliocene.
- Americardia guanacastense*** (Hertlein & Strong, 1947).
Cardium (Americardia) guanacastense Hertlein & Strong, 1947: 140; *part. C. unedo auctt.* not Linné, 1758 (Indo-Pacific); *C. planicostatum* Sowerby, 1833: 83 not Sedgwick in Murchison, 1829; *part. C. magnificum auctt.* not Carpenter, 1857.
5S–31N: 13N. 10–150 m. +16° +30°C. Recent.
- Genus ***Trigoniocardia*** Dall, 1900.
Subgenus *Trigoniocardia s.s.*
- Trigoniocardia granifera*** (Broderip & Sowerby, 1829).
Cardium graniferum Broderip & Sowerby, 1829: 367; *C. alabastrum* Carpenter, 1857b: 94.
Galapagos Islands.
4S–30N: 13N. 5–30 m. +18° +29°C. Pliocene.
- Subgenus *Apiocardia* Olsson, 1961.
- Trigoniocardia obovalis*** (Sowerby, 1833).
Cardium obovale Sowerby, 1833: 84; *C. ovuloides* Reeve, 1845: 2
Cardium pl. 22, sp. 126; *Hemicardia affinis* Nelson, 1870: 204 not
Cardium affine Münster, 1835; *Cardium spiekeri* Hanna & Israelsky, 1925: 62.
4S–30N: 13N. Intertidal–25 m. +19° +31°C. Miocene.
- Subfamily Protocardiinae Keen, 1951.
- Genus ***Lophocardium*** Fischer, 1887.
- Lophocardium annettae*** (Dall, 1889).
Cardium (Lophocardium) annettae Dall, 1889b: 13.
8N–30N: 19N. Intertidal–50 m. +17° +31°C. Recent.
- Lophocardium cumingii*** (Broderip, 1833).
Cardium cumingii Broderip, 1833: 82.
6N–17N: 12N. 20–25 m. +20° +28°C. Recent.
- Genus ***Microcardium*** Thiele, 1934.
- Microcardium delicatulum*** (E. A. Smith, 1915).
Cardium delicatulum E. A. Smith, 1915: 93, pl. 2, f. 9.
South Atlantic.
54S. 200 m. +1° +8°C. Recent.
- Microcardium panamense*** (Dall, 1908).
Protocardium panamense Dall, 1908c: 221, 415, pl. 18, f. 1. not
homonym *Cardium panamense* Sowerby, 1833; *Microcardium williamsi*
Fischer-Piette, 1977: 4.
7N–8N. 300–350 m. +12° +23°C. Recent.
- Microcardium pazianum*** (Dall, 1916).
Protocardia paziana Dall, 1916b: 412.
8N–28N: 18N. 25–100 m. +17° +29°C. Recent.
- Genus ***Nemocardium*** Meek, 1876.
Subgenus *Keenaea* Habe, 1952.
- Nemocardium centifilium*** (Carpenter, 1846).
Cardium (?modestum var) centifilium Carpenter, 1846c: 611, 624 not
C. modestum Conrad, 1855 not Philippi, 1845 not Adams & Reeve, 1850:
C. richardsoni Whiteaves, 1878: 468.
28N–58N: 43N. 2–150 m. +6° +23°C. Pleistocene.
- Subfamily Laevicardiinae Keen, 1936.
- Genus ***Laevicardium*** Swainson, 1840.
Subgenus *Laevicardium s.s.*
- Laevicardium clarionense*** (Hertlein & Strong, 1947).
Cardium (Laevicardium) clarionense Hertlein & Strong, 1947: 144, pl. 1, f. 5–7, 14.
9N–27N: 19N. 60–180 m. +17° +30°C. Recent.
- Laevicardium elatum*** (Sowerby, 1833).
Cardium elatum Sowerby, 1833: 84, f. 3.
16N–34N: 25N. Intertidal–5 m. +12° +31°C. Recent.
- Laevicardium elenense*** (Sowerby, 1841).
Cardium elenense Sowerby, 1841: 109, pl. 6, f. 58; *C. apicinum* Carpen-
ter, 1864b: 313; *Laevicardium pedernalense* Pilsbry & Olsson, 1941: 60,
pl. 14, f. 2.
Galapagos Islands.
4S–30N: 13N. Intertidal–90 m. +17° +31°C. Pliocene.
- Laevicardium substriatum*** (Conrad, 1837).
Cardium substriatum Conrad, 1837: 228, pl. 17, f. 2 not Orbigny, 1850;
C. cruentatum Gould in Blake, 1855: 26.
24N–34N: 29N. Intertidal–40 m. +10° +30°C. Recent.
- Subfamily Clinocardiinae Kafanov, 1975.⁶⁴
- Genus ***Clinocardium*** Keen, 1936.

Subgenus *Clinocardium* s.s.

Clinocardium blandum (Gould, 1850).

Cardium blandum Gould, 1850: 276.
48N–54N: 51N. 10–50 m. +5° +14°C. Pliocene.

Clinocardium californiense (Deshayes, 1839).

Cardium californiense Deshayes, 1839: 360 (*californianum* nom. van. auctt.) (Proposed conservation ICZN Kafanov, 1974); *C. boreale* Broderip & Sowerby, 1829: 368 not Reeve, 1845 (Request for suppression ICZN Kafanov, 1974); *C. pseudofossile* Reeve, 1844: 2 *Cardium* pl. 10, sp. 52; *Clinocardium uchidai* Habe, 1955: 11, pl. 2, f. 5, 6; *Laevicardium interrogatorium* Fischer-Piette, 1977: 21, pl. 2, f. 1.

Northwest Pacific.

58N–60N: 59N. 10–100 m. +1° +9°C. Pleistocene.

Clinocardium fucanum (Dall, 1907).

Cardium (Cerastoderma) fucanum Dall, 1907a: 112; part. *C. californiense* auctt. not Deshayes, 1839.
48N–55N: 52N. 20–80 m. +2° +11°C. Pleistocene.

Clinocardium nuttallii (Conrad, 1837).

Cardium nuttallii Conrad, 1837: 229, pl. 17, f. 3 (*nuttallianum* nom. van. auctt.); *Cochlea corbis* auctt. not Martyn, 1784 (non binom.); part. *Cardium fimbriata* auctt. not Lamarck, 1819 (Indo Pacific).

Northwest Pacific.

33N–60N: 45N. Intertidal–30 m. +2° +19°C. Miocene.

Subgenus *Ciliatocardium* Kafanov, 1974.

Clinocardium ciliatum (Fabricius, 1780).

Cardium ciliatum Fabricius, 1780: 410; *C. islandicum* Chemnitz, 1782: 200 (not binom.); *C. edule* Mohr, 1786: 128 not Linné, 1758; *C. pubescens* Couthouy, 1838: 60, pl. 3, f. 6; *C. arcticum* Sowerby, 1841: 106; *C. dawsoni* Stimpson 1862: 58; *C. hayesi* Stimpson, 1863: 142; *C. californiense comoxensis* Dall, 1900b: 1093.

Panarctic, circumboreal.

57N–71N: 59N. 10–150 m. –2° +9°C. Pleistocene.

Genus *Serripes* Gould, 1841.

Serripes groenlandicus (Bruguère, 1789).

Cardium grönländicum Bruguère, 1789: 222, pl. 300, f. 7; *Venus islandica* auctt. not Linné, 1767; *Maetra radiata* Donovan, 1799: 161; *Cardium edentula* Montagu, 1808: 29; *Cardium boreale* Reeve, 1845: 2 *Cardium* pl. 22, sp. 131 not Broderip & Sowerby, 1829; *C. fabricii* Deshayes, 1854: 333; *C. (Serripes) notabile* Sowerby, 1915: 169, pl. 10, f. 9; *Serripes groenlandicus protractus* Dall, 1900b: 1112; *S. (?) uvutschensis* Ilyina, 1963: 76, pl. 25, f. 5

Panarctic, circumboreal.

47N–71N: 59N. Intertidal–80 m. –2° +10°C. Pliocene.

Serripes laperousii (Deshayes, 1839).

Cardium laperousii Deshayes, 1839: 360; *C. (Laevicardium) squalidum* Yokoyama, 1924: 16, pl. 3, f. 1; *Serripes kamtschaticus* Ilyina, 1963: 102, pl. 43, f. 2, 3; *S. ochotensis* Ilyina, 1963: 102, pl. 42, f. 1, 2.

Northwest Pacific.

57N–60N: 59N. 15–50 m. +1° +8°C. Pleistocene.

Superfamily MACTRACEA Lamarck, 1809.

nom. transl. Dall, 1895 ex Mactracea Gray, 1823 ex mactracees.

Family Mactridae Lamarck, 1809.

nom. correct. Swainson, 1835 pro Mactracea Gray, 1823 ex mactracees.

Subfamily Mactrinae Lamarck, 1809.

nom. transl. H. Adams & A. Adams, 1856 ex Mactracea Gray, 1823 ex mactracees.

Genus *Harvella* Gray, 1853.

Harvella elegans (Sowerby, 1825).

Maetra elegans Sowerby, 1825: 11, pl. 1, f. 3; *Harvella pacifica* Conrad, 1867b: 192; *Raeta maxima* Li, 1930: 263, pl. 5, f. 35; *Harvella elegans tucilla* Olsson, 1932: 129, pl. 14, f. 1.
4S–26N: 11N. 25–70 m. +17° +29°C. Miocene.

Genus *Maetra* Linné, 1767.

Subgenus *Maetra* s.s.

Maetra williamsi Berry, 1960.

Maetra (Maetra) williamsi Berry, 1960: 116, part. *M. richmondi* auctt. not Dall, 1894 (Atlantic).
2S–14N: 6N. 10–20 m. +19° +27°C. Recent.

Subgenus *Mactriiula* Gray, 1853.

Maetra goniocyma Pilsbry & Lowe, 1932.

Maetra (Mactriiula) goniocyma Pilsbry & Lowe, 1932: 84, 90, pl. 15, f. 5, 6.
7N–17N: 12N. 30–50 m. +18° +30°C. Recent.

Subgenus *Mactroderma* Dall, 1894.

Maetra paitensis Philippi, 1893.

Maetra paitensis Philippi, 1893: 12, pl. 3, f. 11; part. *Maetra velata* auctt. not Philippi, 1849.
9S–34S: 21S. Intertidal. +13° +29°C. Recent.

Maetra velata Philippi, 1849.

Maetra velata Philippi, 1849b: 153; part. *Maetra paitensis* auctt. not Philippi, 1893.

Galapagos Islands.

1S–19N–9N. Intertidal. +20° +31°C. Pleistocene.

Subgenus *Mactrotoma* Dall, 1894.

Maetra nasuta Gould, 1851.

Maetra nasuta Gould, 1851: 88; part. *M. falcata* auctt. not Gould, 1850; *M. californica* Reeve, 1854: 8 *Maetra* pl. 20, sp. 114 not Conrad, 1837; *M. hiantina* Deshayes, 1855: 68; *M. deshayesi* Conrad, 1868: 45 not Mayer, 1867; *Mactrotoma revellei* Durham, 1950: 93, pl. 25, f. 1, 5.
6N–34N: 20N. Intertidal–80 m. +17° +32°C. Pleistocene.

Subgenus *Micromaetra* Dall, 1894.

Maetra angusta Reeve, 1854.

Maetra angusta Reeve, 1854: 8 *Maetra* pl. 18, sp. 93 (Deshayes MS); *M. (Micromaetra) atacama* Pilsbry & Olsson, 1941: 73, pl. 14, f. 1, 3.
4S–16N: 6N. Intertidal–30 m. +18° +31°C. Pleistocene.

Maetra californica Conrad, 1837.

Maetra californica Conrad, 1837: 240, pl. 18, f. 2 not Reeve, 1854; part. *M. falcata* auctt. not Gould, 1850; *M. ovalina* Reeve, 1854: 8 *Maetra* pl. 14, sp. 66; part. *M. fragilis* auctt. not Gray, 1854 (Caribbean).
9N–35N: 22N. Intertidal–15 m. +12° +32°C. Recent.

Maetra fonsecana Hertlein & Strong, 1950.

Maetra (Micromaetra) fonsecana Hertlein & Strong, 1950: 232, pl. 2, f. 16, 19, 20; part. *M. angusta* auctt. not Reeve, 1854.
0–12N: 6N. Intertidal–10 m. +22° +31°C. Recent.

Maetra isthmica Pilsbry & Lowe, 1932.

Maetra (Micromaetra) isthmica Pilsbry & Lowe, 1932: 89, pl. 15, f. 1, 2, pl. 16, f. 5.
9N–13N: 11N. Intertidal–15 m. +19° +31°C. Recent.

Maetra vanatae Pilsbry & Lowe, 1932.

Maetra (Micromaetra) vanatae Pilsbry & Lowe, 1932: 90, pl. 16, f. 4, b; *M. (Micromaetra) vanatae acymata* Pilsbry & Lowe, 1932: 90, pl. 16, f. 1, a.
9N–13N: 11N. Intertidal–2 m. +21° +31°C. Recent.

Subgenus *Simomaetra* Dall, 1894.

Maetra dolabriformis (Conrad, 1867).

Spisula dolabriformis Conrad, 1867b: 193.
9N–33N: 22N. Intertidal–10 m. Recent.

Maetra hoffstetteri Cauquoïn, 1969.

Maetra (Simomaetra) hoffstetteri Cauquoïn, 1969b: 1021.
1N. Depth unknown.

Genus *Tumbeziconcha* Pilsbry & Olsson, 1935.

Tumbeziconcha thracioides (Adams & Reeve, 1848).

Maetra thracioides Adams & Reeve, 1848: 81, pl. 23, f. 8.
3S–13N: 5N. 20–40 m. +17° +28°C. Recent.

Genus *Mactrellona* Marks, 1951.

- Mactrellona carinata*** (Lamarck, 1818).
Mactra carinata Lamarck, 1818: 473; *part. M. alata* auctt. not Spengler, 1802 (Caribbean).
 4N–10N: 7N. Intertidal–20 m. +18° +30°C. Recent.
- Mactrellona clisia*** (Dall, 1915).
Mactrella clisia Dall, 1915c: 62 (*clisea* nom. van. auctt.).
 2S–27N: 13N. Intertidal. +22° +31°C. Recent.
- Mactrellona exoleta*** (Gray, 1837).
Mactra exoleta Gray, 1837b: 372; *Lutraria ventricosa* Gould, 1851: 89 not Goldfuss, 1840.
 Galapagos Islands.
 4S–28N: 12N. 5–25 m. +17° +27°C. Pleistocene.
- Mactrellona subalata*** (Mørch, 1861).
Mactra (Mactrella) subalata Mørch, 1861: 180; *part. Mactra alata* auctt. not Spengler, 1802 (Caribbean).
 10N: 22N. Intertidal–40 m. +19° +31°C. Recent.
- Genus ***Mactromeris*** Conrad, 1868.⁶⁵
- Mactromeris polynyma*** (Stimpson, 1860).
Mactra polynyma Stimpson, 1860:3 (*polynympha*, *polynema* nom. auctt.); *M. similis* Wood, 1828:van. 4, pl. 1, f. 5 not Say, Deshayes, 1832:395 not Gmelin, 1822; *M. grandis* 1791; *M. ovalis* Gould, 1841: 53 not Sowerby, 1817; *M. ponderosa* Philippi, 1844: 165, pl. 1, f. 1 not Conrad, 1830 not Eichwald, 1830; *Callista voyi* Gabb, 1866: 24, pl. 5, f. 41; *Mactra (Spisula) grayana* Schrenck, 1867: 572; *Spisula (Hemimacra) polynyma alaskana* Dall, 1894d:40 nom. nud.; *S. vladivostokensis* Bartsch, 1929:139, pl. 1, f. 1–7; *S. (Mactromeris) voyi korolevae* Zhidkova in Merklin 1972:140, pl. 24, f. 1, 6.
 Northwest Atlantic, North Pacific.
 57N–60N: 58N. Intertidal–110 m.–1° +10°C. Pliocene.
- Genus ***Mulinia*** Gray, 1837.
- Mulinia bicolor*** Gray, 1837.
Mulinia bicolor Gray, 1837b: 375; *part. Mactra edulis* auctt. not King & Broderip, 1832; *Mulinia exalbida* Gray, 1837b: 376; *Mactra jonasi* Philippi, 1893: 9, 11, pl. 3, f. 10.
 27S–33S: 30S. Intertidal. +14° +22°C. Recent.
- Mulinia coloradoensis*** Dall, 1894.
Mulinia (Mulinia) coloradoensis Dall, 1894b: 6, pl. 1 (upper); *part. Mactra exoleta* auctt. not Gray, 1837; *part. Mulinia byronensis* auctt. not Gray, 1837; *Mulinia coloradoensis acuta*. Dall, 1894b: 6 pl. 1 (lower).
 19N–30N: 25N. Intertidal. +21° +32°C. Pleistocene.
- Mulinia coquimbana*** (Philippi, 1893).
Mactra coquimbana Philippi, 1893: 10, pl. 2, f. 7; *part. M. petiti* auctt. not Orbigny, 1846 (Atlantic); *part. M. cleryana* auctt. not Orbigny, 1846 (Atlantic).
 South Atlantic.
 51S–52S. Intertidal. +1° +9°C. Pleistocene.
- Mulinia edulis*** (King & Broderip, 1832).
Mactra edulis King & Broderip, 1832: 335; *part. Mulinia byronensis* auctt. not Gray, 1837; *part. M. typicans* auctt. not Gray, 1837; *part. M. lateralis* Gray, 1837 not *Mactra lateralis* Sowerby, 1822; *Mactra cuneola* Gould, 1850: 216; *M. marcida* Gould, 1850: 216; *M. antarctica* Dunker, 1850: 30; *M. levicardo* E. A. Smith, 1881: 39, pl. 5, f. 2; *M. jousseaumi* Mabilille & Rochebrune in Rochebrune & Mabilille, 1889: 106; *M. pencana* Philippi, 1893: 8, pl. 1, f. 2; *M. lotensis* Philippi, 1893: 8, 10, pl. 3, f. 8; *M. epidermis* Philippi, 1893: 9, pl. 1, f. 3; *M. calbucana* Philippi, 1893: 9, pl. 2, f. 5; *M. fuegiensis* E. A. Smith, 1905: 337, f. 6.
 South Atlantic.
 43S–54S: 49S. Intertidal. +1° +16°C. Pleistocene.
- Mulinia pallida*** (Broderip & Sowerby, 1829).
Mactra pallida Broderip & Sowerby, 1829: 360 (*pullata* ‘Carpenter’ nom. null. Pilsbry & Lowe, 1931); *Mulinia donaciformis* Gray, 1837: 376; *M. densata* Conrad, 1856: 313; *Mactra carinulata* Reeve, 1854: 8 *Mactra* pl. 10, sp. 38 (Deshayes MS); *M. angulata* Reeve, 1854: 8 *Mactra* Pl. 13, sp. 60 (Gray MS); *M. goniata* Deshayes, 1854: 70 (Gray MS); *M. laciniata* Carpenter, 1856c: 160; *M. (Mulinia) bistrigata* Mørch, 1860: 182; *Mulinia modesta* Dall, 1894b: 5, pl. 1 (lower) not Carpenter, 1864; *M. bradleyi* Dall, 1894b: 6, pl. 1 (right); *Corbula altirostris* Li, 1930: 263, pl. 5, f. 35; *Mulinia camina* Pilsbry & Olsson, 1941: 74, p. 19, f. 6, 7.
 5S–30N: 13N. Intertidal. +17° +31°C. Pliocene.
- Genus ***Rangia*** Desmoulins, 1832.
 Subgenus ***Rangianella*** Conrad, 1868.
- Rangia mendica*** (Gould, 1851).
Mactra mendica Gould, 1851: 88; *Gnathodon trigonum* Petit, 1853: 84; *G. lecontei* Conrad, 1853: 273, pl. 24, f. 1, 2.
 23N–31N: 27N. Intertidal. +27° +33°C. Recent.
- Genus ***Spisula*** Gray, 1837.
 Subgenus ***Spisula s.s.***
- Spisula adamsi*** Olsson, 1961.
Spisula adamsi Olsson, 1961: 326, pl. 57, f. 7, a–c.
 4S–10N: 3N. Intertidal. +23° +32°C. Recent.
- Spisula catilliformis*** Conrad, 1867.
Spisula catilliformis Conrad, 1867b: 193; *part. Mactra californica* auctt. not Conrad, 1837; *Spisula catilliformis alcatrazensis* Arnold, 1907b: 437, pl. 56, f. 6; *S. mercedensis* Packard, 1916: 286, pl. 20.
 30N–34N: 32N. 5–20 m. +11° +28°C. Miocene.
- Spisula hemphillii*** (Dall, 1894).
Mactra hemphillii Dall, 1894a: 137, pl. 5, f. 2; *Spisula camaronis* Dall, 1921b: 22; *S. strongi* J. Burch, 1945: 50, pl. 3, f. 35–39.
 32N–37N: 35N. Intertidal–50 m. +7° +26°C. Pliocene.
- Spisula planulata*** (Conrad, 1837).
Mactra planulata Conrad, 1837: 240; *part. M. falcata* auctt. not Gould, 1850.
 23N–37N: 30N. Intertidal–95 m. +10° +28°C. Pliocene.
- Subgenus ***Symmorphomacra*** Dall, 1894.
- Spisula falcata*** (Gould, 1850).
Mactra falcata Gould, 1850: 216; *part. M. planulata* auctt. not Conrad, 1837.
 32N–57N: 43N. Intertidal–50 m. +4° +24°C. Pliocene.
- Subfamily ***Lutrariinae*** H. Adams & A. Adams, 1856.
- Genus ***Tresus*** Gray, 1853.
- Tresus capax*** (Gould, 1850).
Lutraria capax Gould, 1850: 217; *part. L. nuttallii* auctt. not Conrad, 1837; *L. maxima* Middendorff, 1849: 66, pl. 19, f. 1–4 not Jonas, 1844; *Schizothaerus nuttallii bighopensis* Henderson, 1931: 33.
 37N–60N: 49N. Intertidal–30 m. +2° +20°C. Pleistocene.
- Tresus nuttallii*** (Conrad, 1837).
Lutraria (Cryptodon) nuttallii Conrad, 1837: 235, pl. 18, f. 1; *L. maxima* Jonas, 1844: 34 not Middendorff, 1849; *part. L. capax* auctt. not Gould, 1850; *L. inflata* Dunker, 1853: 112, *L. sieboldii* Reeve, 1854: 8 *Lutraria* pl. 4, sp. 15; *L. radiata* Yokoyama, 1920: 110 pl. 7, f. 11a,b; *Schizothaerus nuttallii kissyuensis* Hatai, 1941: 109, pl. 3, f. 9; *S. keenae* Kuroda & Habe, 1950: 30.
 Northwest Pacific.
 28N–58N: 43N. Intertidal–50 m. +1° +21°C. Miocene.
- Tresus pajaroana* auctt.**⁶⁶
 not *Venus pajaroana* Conrad, 1857b: 192, pl. 4, f. 1, 2.
- Subfamily ***Pteropsellinae*** Dall, 1894.
 nom. subst. Keen, 1969 *pro* Pteropsinae.
- Genus ***Anatina*** Schumacher, 1817.
- Anatina cyprinus*** (Wood, 1828).
Mactra cyprinus Wood, 1828: 4, pl. 1, f. 1 (Gray MS); *part. M. anatina* auctt. not Spengler, 1802 (Atlantic); *part. M. anatina pellucida* auctt. not Schumacher, 1817 (Atlantic); *part. Labiosa lineata* auctt. not Say, 1822.
 2S–27N: 13N. 20–50 m. +17° +29°C. Recent.
- Genus ***Raeta*** Gray, 1853.

- Raeta undulata** (Gould, 1851).
Lutraria undulata Gould, 1851: 89; *Raeta gibbosa* Gabb, 1869: 30.
 9S–34N: 12N. 2–20 m. +18° +30°C. Pliocene.
- Subfamily Zenatiinae Dall, 1895.
- Genus **Darina** Gray, 1853.
- Darina declivis* Carpenter, 1864.
Darina declivis Carpenter, 1864c: 607, 637.
 49N. Extralimital? *nom. inq.* Recent.
- Darina solenoides* (King & Broderip, 1832).
Erycina solenoides King & Broderip, 1832: 335; *Lutraria tenuis* Philippi, 1845: 50;
L. kingi Fischer, 1887: 1119.
 South Atlantic.
 54S. Extralimital? Recent.
- Family Mesodesmatidae Gray, 1840.
nom. correct Dall, 1895 *pro* Mesodesmidae.
- Subfamily Mesodesmatinae Gray, 1840.
nom. transl. et correct. Dall, 1895 *ex* Mesodesmidae.
- Genus **Mesodesma** Deshayes, 1832.
- Mesodesma donacium** Reeve, 1841.
Mesodesma donacium Reeve, 1841:8 *Mesodesma* pl. 45, sp. 1 not
 homonym *Macira donacia* Lamarck, 1818; *M. lanceolata* Deshayes,
 1854: 337; *Donacilla chilensis* Orbigny, 1856: 530.
 20S–42S: 31S. Intertidal–5 m. +8° +25°C. Recent.
- Subfamily Eryviliinae Dall, 1895.
- Genus **Eryvilia** Turton, 1822.
- Eryvilia californica** Dall, 1916.
Eryvilia californica Dall, 1916a: 40 *nom. nud.*; 1916b: 414.
 25N–34N: 30N. Intertidal–10 m. +15° +30°C. Recent.
- Eryvilia producta** Odhner, 1922.
Eryvilia producta Odhner in Skottsberg, 1922: 222, pl. 8, f. 11, 12.
 33S. 20–35 m. +14° +20°C. Recent.
- Superfamily SOLENACEA Lamarck, 1809.
nom. transl. Tryon, 1884 *ex* Solenacea Gray, 1823 *ex* solenaceae.
- Family Solenidae Lamarck, 1809.
nom. correct. Leach, 1823 *pro* Solenacea Gray, 1823 *ex* solenaceae.
- Genus **Solen** Linné, 1758.
- Subgenus *Solen s.s.*
- Solen crockeri** Hertlein & Strong, 1950.
Solen crockeri Hertlein & Strong, 1950: 225, pl. 1, f. 3, 5, 7.
 13N. 5–30 m. +16° +28°C. Recent.
- Solen gaudichaudi** Chenu, 1843.
Solen gaudichaudi Chenu, 1843: pl. 2.
 24S–33S: 29S. Intertidal. +13° +22°C. Recent.
- Solen mexicanus** Dall, 1899.
Solen mexicanus Dall, 1899c: 108, 110.
 10N–16N: 13N. 15–40 m. +18° +27°C. Recent.
- Solen oerstedii** Mørch, 1860.
Solen oerstedii Mørch, 1860: 183.
 9N. Depth unknown. Recent.
- Solen pazensis** Lowe, 1935.
Solen pazensis Lowe, 1935: 17, pl. 1, f. 6.
 16N–29N: 23N. 10–15 m. +17° +29°C. Recent.
- Solen pfeifferi** Dunker, 1861.
Solen pfeifferi Dunker, 1861a: 420.
 2S–17N: 7N. 5–25 m. +17° +29°C. Recent.
- Solen rosaceus** Carpenter, 1864.
Solen sicarius rosaceus Carpenter, 1864c: 536, 638.
 23N–34N: 29N. Intertidal–45 m. +11° +24°C. Pliocene.
- Solen sicarius** Gould, 1850.
Solen sicarius Gould, 1850: 214.
 33N–56N: 44N. Intertidal–40 m. +1° +22°C. Miocene.
- Subgenus *Solena* Mørch, 1853.
- Solen rudis** C. B. Adams, 1852.
Solen rudis C. B. Adams, 1852: 300; *part. S. obliquus* *auctt.* not Speng-
 ler, 1793 (Atlantic).
 4S–9N: 3N. Intertidal–20 m. +18° +31°C. Recent.
- Family Cultellidae Davies, 1935.
- Genus **Ensis** Schumacher, 1817.
- Ensis macha** (Molina, 1782).
Solen macha Molina, 1782: 180 (*nacha* *nom. null. auctt.*); *S. scalprum*
 King & Broderip, 1832: 335; *S. gladiolus* Sowerby, 1839: 153, pl. 43, f.
 4; *part. S. sicarius* *auctt.* not Gould, 1850; *S. poirieri* Mabile & Rocheb-
 rone in Rochebrune & Mabile, 1889: 104.
 South Atlantic.
 33S–54S: 44N. Intertidal. +4° +22°C. Pleistocene.
- Ensis myrae** Berry, 1953.
Ensis myrae Berry, 1953: 398, pl. 29, f. 5, 6; *part. E. californicus* *auctt.*
 not Dall, 1899.
 33N–37N: 35N. 5–25 m. +13° +26°C. Recent.
- Ensis nitidus** (Clessin, 1888).
Solen nitidus Clessin in Küster & Kobelt, 1888: 34, pl. 13, f. 2; *Ensis*
californicus Dall, 1899c: 108, 110; *part. E. minor* *auctt.* not Dall, 1900
 (Atlantic); *part. E. myrae* *auctt.* not Berry, 1953.
 25N–30N: 28N. Intertidal–50 m. +18° +32°C. Recent.
- Ensis tropicalis** Hertlein & Strong, 1955.
Ensis tropicalis Hertlein & Strong, 1955: 203, pl. 3, f. 34, 35.
 9N–31N: 20N. 10–25 m. +16° +29°C. Recent.
- Genus **Siliqua** Megerle, 1811.
- Subgenus *Siliqua s.s.*
- Siliqua alta** (Broderip & Sowerby, 1829).
Solen alius Broderip & Sowerby, 1829: 362 (*alata* *nom. null. auctt.*); *S.*
tenuis Broderip & Sowerby, 1829: 361 not Wood, 1828; *S. medius*
 Sowerby in Gray, 1839: 153, pl. 47, f. 2; *Machaera sodalis* Gould, 1861:
 26; *Cultellus costatus* Sowerby in Reeve, 1874: 19 *Cultellus* pl. 3, sp. 29
 not *Solen costatus* Say, 1822 (Atlantic); *Siliqua intuspurpurea* Pilsbry,
 1905: 118, pl. 3, f. 1.
 Chukchi Sea, Northwest Pacific.
 60N–72N: 66N. 5–80 m. –2° +7°C. Recent.
- Siliqua lucida** (Conrad, 1837).
Solecurtus lucidus Conrad, 1837: 231, pl. 17, f. 8.
 28N–38N: 33N. Intertidal–50 m. +7° +31°C. Miocene.
- Siliqua patula** (Dixon, 1789).
Solen patulus Dixon, 1789: 355; *S. maximus* Wood, 1815: 129, pl. 31, f.
 3 not Gmelin, 1791; *S. gigas* Dillwyn, 1817: 61; *Solecurtus nuttallii*
 Conrad, 1837: 232, pl. 17, f. 9; *Solemya ventricosa* Conrad, 1849: 723,
 pl. 17, f. 7, 8; *Siliqua californica* Conrad, 1867b: 193; *S. patula oregoni-*
ca Dall, 1900b: 957.
 Northwest Pacific.
 37N–60N: 49N. Intertidal–55 m. +1° +18°C. Miocene.
- Siliqua sloati** Hertlein, 1961.
Siliqua sloati Hertlein, 1961: 14, pl. 5, f. 1, 2, pl. 6, f. 4–7.
 35N–60N: 48N. 10–85 m. +3° +20°C. Recent.
- Superfamily TELLINACEA Blainville, 1814.
nom. transl. Dall, 1895 *ex* tellinaceae.
- Family Tellinidae Blainville, 1814.
nom. correct. Swainson, 1840 *pro* tellinaceae.
- Subfamily Tellininae Blainville, 1814.
nom. transl. H. Adams & A. Adams, 1856 *ex* tellinaceae.
- Genus **Strigilla** Turton, 1822.
- Subgenus *Strigilla s.s.*
- Strigilla chroma** Salisbury, 1934.
Tellina chroma Salisbury, 1934:84; *part. Tellina carnaria* *auctt.* not

- Linné, 1758 (Atlantic); *T. (Strigilla) fucata* Gould, 1851: 91 not Hinds, 1844; *part. Strigilla costulifera auctt.* not Mørch, 1861.
2S–25N: 12N. Intertidal. +20° +31°C. Recent.
- Strigilla cicercula*** (Philippi, 1846).
Tellina cicercula Philippi, 1846: 19; *Strigilla maga* Mørch, 1861: 189.
2S–30N: 14N. Intertidal. +21° +32°C. Recent.
- Strigilla dichotoma*** (Philippi, 1846).
Tellina dichotoma Philippi, 1846: 20; *part. T. carnaria auctt.* not Linné, 1758 (Atlantic); *Strigilla costulifera* Mørch, 1861: 189.
Galapagos Islands.
3S–29N: 13N. Intertidal. +17° +31°C. Recent.
- Strigilla disjuncta*** Carpenter, 1856.
Strigilla disjuncta Carpenter, 1856b: 160; *part. S. sincera auctt.* not Hanley, 1844 (Indo-Pacific).
4S–11N: 4N. Intertidal–5 m. +19° +31°C. Pleistocene.
- Strigilla ervilia*** (Philippi, 1846).
Tellina ervilia Philippi, 1846: 20; *part. T. pisiformis auctt.* not Linné, 1758 (Caribbean); *T. lenticula* Philippi, 1846: 19.
2S–24N: 11N. Intertidal. +23° +31°C. Recent.
- Subgenus *Pisostrigilla* Olsson, 1961.
- Strigilla interrupta*** Mørch, 1860.
Strigilla interrupta Mørch, 1861: 190; *part. Tellina pisiformis auctt.* not Linné, 1758 (Caribbean); *part. T. flexuosa auctt.* not Say, 1822 not Montagu, 1803; *Strigilla (Pisostrigilla) panamensis* Olsson, 1961: 390, pl. 39, f. 8, a, b.
1S–14N: 7N. Intertidal–10 m. +20° +32°C. Recent.
- Subgenus *Simplistrigilla* Olsson, 1961.
- Strigilla serrata*** Mørch, 1860.
Strigilla serrata Mørch, 1861: 189; *S. (Simplistrigilla) strata* Olsson, 1961: 390, pl. 39, f. 7.
2S–27N: 13N. Depth unknown. Recent.
- Genus *Tellidora* H. Adams & A. Adams, 1856.
- Tellidora burneti*** (Broderip & Sowerby, 1829).
Tellina burneti Broderip & Sowerby, 1829: 362, pl. 9, f. 2; *part. Lucina cristata auctt.* not Recluz, 1842 (Atlantic).
2S–31N: 15N. 15–30 m. +19° +31°C. Pliocene.
- Genus *Tellina* Linné, 1758.
- Sensu lato.*
- Tellina laminata* Carpenter, 1864.
Tellina laminata Carpenter, 1864c: 553.
8N. *nom. nud.*
- Tellina silicula* Deshayes, 1855.
Tellina silicula Deshayes, 1855: 363.
Extralimital, probably Indo-Pacific.
- Subgenus *Angulus* Megerle, 1811.
- Tellina amianta*** Dall, 1900.
Tellina (Moerella) amianta Dall, 1900a: 303, 317, pl. 3, f. 12.
Galapagos Islands.
2S–31N: 15N. 10–40 m. +19° +30°C. Pleistocene.
- Tellina carpenteri*** Dall, 1900.
Tellina (Angulus) carpenteri Dall, 1900a: 303, 320; *Angulus variegatus* Carpenter, 1864c: 611, 629 not *Tellina variegata* Gmelin, 1791 (Atlantic); *T. (Moerella) arenica* Hertlein & Strong, 1949: 68, pl. 1, f. 5, 11.
12N–57N: 35N. Intertidal–440 m. +7° +31°C. Pliocene.
- Tellina cerrosiana*** Dall, 1900.
Tellina (Angulus) cerrosiana Dall, 1900a: 303, 319, pl. 3, f. 11.
23N–28N: 26N. 15–50 m. +17° +29°C. Recent.
- Tellina chrysocoma*** Dall, 1908.
Tellina (Moerella) chrysocoma Dall, 1908c: 221, 420, pl. 10, f. 4, 8.
Galapagos Islands.
0 550 m. +9° +11°C. Recent.
- Tellina coani*** Keen, 1971.
Tellina (Angulus) coani Keen, 1971: 211, f. 512; *?part. T. carpenteri auctt.* not Dall, 1900.
24N–31N: 28N. 5–10 m. +22° +31°C. Recent.
- Tellina felix*** Hanley, 1844.
Tellina felix Hanley, 1844b: 71.
4S–23N: 10N. 5–25 m. +17° +30°C. Recent.
- Tellina guaymasensis*** Pilsbry & Lowe, 1932.
Tellina (Angulus) guaymasensis Pilsbry & Lowe, 1932: 94, pl. 16, f. 7.
28N. ?Intertidal. Recent.
- Tellina hiberna*** Hanley, 1844.
Tellina hiberna Hanley, 1844b: 148; *part. T. puella auctt.* not Adams, 1852 not Hanley, 1845 (Atlantic); *T. donacilla* Carpenter, 1857a: 245; *T. (Angulus) panamensis* Dall, 1900a: 319, pl. 3, f. 3 not Philippi, 1849 not Li, 1930; *T. tabogensis* Salisbury, 1934: 86.
5S–28N: 12N. 2–55 m. +17° +31°C. Recent.
- Tellina meropsis*** Dall, 1900.
Tellina (Moerella) meropsis Dall, 1900a: 303, 317, 325, pl. 3, f. 1; *Angulus gouldii* Carpenter, 1864c: 639, 665 (Hanley MS) not *Tellina gouldii* Hanley in Sowerby, 1846 (Caribbean); *T. (Moerella) paziana* Dall, 1900a: 303, 318, 325, pl. 3, f. 8.
2S–34N: 16N.(37N) 50–180 m. +10° +24°C. Pleistocene.
- Tellina macneilli*** Dall, 1900.
Tellina (Angulus) macneilli Dall, 1900a: 303, 318, pl. 3, f. 7.
10N–28N: 19N. 20–75 m. +17° +31°C. Recent.
- Tellina modesta*** (Carpenter, 1864).
Angulus modestus Carpenter, 1864c: 602, 639, 681; *part. Tellina hiberna auctt.* not Hanley, 1844; *?T. pedroana* Conrad in Blake, 1855b: 13 (*nom. dub.*); *Angulus modestus obtusus* Carpenter, 1864b: 639 not *Tellina obtusa* Sowerby, 1817 (Caribbean); *part. Tellina panamensis auctt.* not Dall, 1900; *T. (Oudardia) buttoni* Dall, 1900a: 304, 320, 326, pl. 4, f. 12, 13.
28N–60N: 44N. Intertidal–50 m. +4° +24°C. Pleistocene.
- Tellina recurvata*** Hertlein & Strong, 1949.
Tellina (Moerella) recurvata Hertlein & Strong, 1949: 71, pl. 1, f. 2, 3, 4, 8; *T. (Angulus) recurva* Dall, 1900a: 304, 320, pl. 3, f. 4 not Deshayes, 1855 (Indo-Pacific).
7N–31N: 19N. 20–50 m. +16° +27°C. Recent.
- Tellina straminea*** Deshayes, 1855.
Tellina straminea Deshayes, 1855: 363.
30N. Depth unknown. Recent.
- Tellina subtrigona*** Sowerby, 1866.
Tellina subtrigona Sowerby, in Reeve, 1866: 14 *Tellina* pl. 3, sp. 9; *part. T. rhodora auctt.* not Hanley, 1844 (Indo-Pacific); *T. puella* C. B. Adams, 1852: 507, 546 not Hanley, 1844 (Atlantic); *T. (Angulus) erythronotus* Pilsbry & Lowe, 1932: 94, pl. 12, f. 7; *T. puella* Salisbury, 1934: 86.
9N–25N: 17N. Intertidal–15 m. +17° +31°C. Recent.
- Tellina suffusa*** Dall, 1900.
Tellina (Angulus) suffusus Dall, 1900a: 303, 319, pl. 3, f. 10.
12N–25N: 18N. Depth unknown. Recent.
- Tellina tumbezensis*** (Olsson, 1961).
Moerella (Moerella) tumbezensis Olsson, 1961: 403, pl. 68, f. 5, pl. 69, f. 8; *part. Tellina pumila auctt.* not Hanley, 1844; *part. T. (Angulus) suffusus auctt.* not Dall, 1900.
3S–4S. Intertidal. +19° +29°C. Recent.
- Subgenus *Cadella* Dall, Bartsch & Rehder, 1939.
- Tellina nuculoides*** (Reeve, 1854).
Donax nuculoides Reeve, 1854: 8 *Donax* pl. 8, sp. 59; *Maera salmonea* Carpenter, 1864c: 627, 639.
32N–60N: 46N. Intertidal–100 m. +1° +24°C. Recent.
- Subgenus *Elliptotellina* Cossmann, 1887.
- Tellina pacifica*** Dall, 1900.
Tellina (Elliptotellina) pacifica Dall, 1900a: 302, 316, pl. 3, f. 9.
8N–27N: 18N. 5–35 m. +16° +30°C. Recent.

Subgenus *Elpidollina* Olsson, 1961.

Tellina decumbens Carpenter, 1865.

Angulus amplectans Carpenter, 1864c: 669 *nom. nud.*; (*Tellina*) *Angulus decumbens* Carpenter, 1865e: 278; *Tellina peasii* Sowerby, 1868: pl. 49 f. 288.

8N-9N. Intertidal-20 m. +25° +32°C. Recent.

Subgenus *Eurytellina* Fischer, 1887.

Tellina eburnea Hanley, 1844.

Tellina eburnea Hanley, 1844b: 61 not prec. Lightfoot, 1786; *T. panamensis* Li, 1930: 262, pl. 5, 32 not Dall, 1900; *T. liana* Hertlein & Strong, 1945: 105; *T. (Eurytellina) lima* Hertlein & Strong, 1945: 105; *T. (Eurytellina) eburnea askoyana* Hertlein & Strong, 1955: 197, pl. 3, f. 2, 13-15, 20, 21, 23.

5S-14N: 4N. 5-40 m. +19° +29°C. Recent.

Tellina ecuadoriana Pilsbry & Olsson, 1941.

Tellina (Eurytellina) ecuadoriana Pilsbry & Olsson, 1941: 67, pl. 15, f. 6-8.

2S-12N: 5N. Intertidal-10 m. +18° +31°C. Recent.

Tellina hertleini (Olsson, 1961).

Eurytellina (Eurytellina) hertleini Olsson, 1961: 393, pl. 68, f. 6, pl. 71, f. 2, a; *Tellina laceridens* Hanley, 1846b: pl. 61, f. 176 not Hanley, 1844; *part. T. planulata auctt.* not Sowerby, 1867.

3S-13N: 5N. Intertidal-20 m. +17° +31°C. Recent.

Tellina inaequistriata Donovan, 1802.

Tellina inaequistriata Donovan, 1802: pl. 123; *part. T. sanguinea auctt.* not Wood, 1815; *T. gemma* Gould, 1853: 399, pl. 16, f. 5; *T. (Eurytellina) leucogonia* Dall, 1900a: 317, pl. 4, f. 5.

3S-27N: 12N. 15-35 m. +18° +29°C. Pleistocene.

Tellina laceridens Hanley, 1844.

Tellina laceridens Hanley, 1844b: 61 not Hanley, 1846; *part. T. eburnea auctt.* not Hanley, 1844; *part. T. planulata auctt.* not Sowerby, 1867.

4S-12N: 6N. Intertidal. +21° +31°C. Recent.

Tellina laplata Pilsbry & Olsson, 1941.

Tellina (Eurytellina) laplata Pilsbry & Olsson, 1941: 67, pl. 15, f. 1-5.

5S-6S. Intertidal. +18° +27°C. Pliocene.

Tellina mantaensis Pilsbry & Olsson, 1943.

Tellina (Eurytellina) mantaensis Pilsbry & Olsson, 1943: 80, pl. 8, f. 1-4.

11S-9N: 1S. Intertidal. +22° +31°C. Recent.

Tellina prora Hanley, 1844.

Tellina prora Hanley, 1844b: 61; *part. T. cibaoica auctt.* not Maury, 1917.

3S-24N: 11N. 10-45 m. +19° +29°C. Pliocene.

Tellina regia Hanley, 1844.

Tellina regia Hanley, 1844b: 61.

8N-12N: 10N. 10-20 m. +18° +30°C. Recent.

Tellina rubescens Hanley, 1844.

Tellina rubescens Hanley, 1844b: 60 (*pubescens nom. null. auctt.*); *part. T. punicea auctt.* not Born, 1778 (Atlantic).

3S-19N: 9N. Intertidal-10 m. +19° +31°C. Pleistocene.

Tellina simulans C. B. Adams, 1852.

Tellina simulans C. B. Adams, 1852: 508; *part. T. punicea auctt.* not Born, 1778 (Atlantic); *part. T. rubescens auctt.* not Hanley, 1844.

4S-28N: 12N. Intertidal-25 m. +22° +32°C. Pliocene.

Subgenus *Herzellina* Olsson, 1961.

Tellina nicoyana Hertlein & Strong, 1949.

Tellina (Scissula) nicoyana Hertlein & Strong, 1949: 85, pl. I, f. 23-26; *Sanguinolaria panamensis* Dall MS.

4S-10N: 3N. 20-65 m. +18° +29°C. Recent.

Subgenus *Laciolina* Iredale, 1937.

Tellina ochracea Carpenter, 1864.

Tellina (Peronaeoderma) ochracea Carpenter, 1864b: 311.

23N-31N: 27N. Intertidal-80 m. +22° +32°C. Pliocene.

Subgenus *Lyratellina* Olsson, 1961.

Tellina lyra Hanley, 1844.

Tellina lyra Hanley, 1844b: 68.

4S-24N: 10N. 15-30 m. +17° +28°C. Recent.

Tellina lyricea Pilsbry & Lowe, 1932.

Tellina (Macaliopsis) lyricea Pilsbry & Lowe, 1932: 94, pl. 10, f. 4, a.

5S-28N: 11N. 20-80 m. +18° +29°C. Pliocene.

Subgenus *Megangulus* Afshar, 1969.

Tellina lutea Wood, 1828.

Tellina lutea Wood, 1828: 3, pl. 1, f. 3; *T. alternidentata* Broderip & Sowerby, 1829: 363; *T. guildfordiae* Gray in Griffith & Pidgeon, 1834: 600; *part. T. venulosa auctt.* not Schrenck, 1861; *T. alternata chibana* Yokoyama, 1922: 140, pl. 10, f. 5, 6; *T. venulosa zyonensis* Hatai & Nishiyama, 1939: 150, pl. 9, f. 3.

Chukchi Sea and Northwest Pacific.

60N-72N: 66N. Intertidal-100 m.-1° +7°C. Pliocene.

Subgenus *Merisca* Dall, 1900.

Tellina brevirostris Deshayes, 1855.

Tellina brevirostris Deshayes, 1855: 362. not prec. Oken, 1815 (not binom.); *part. T. reclusa auctt.* not Dall, 1900; *T. brevicornuta* Salisbury, 1934: 84; *Merisca margarita* Olsson, 1961: 383, pl. 70, f. 5, a.

9N-14N: 12N. 10-40 m. +20° +29°C. Recent.

Tellina reclusa Dall, 1900.

Tellina (Merisca) reclusa Dall, 1900a: 301, 315, pl. 3, f. 2; *part. T. brevirostris auctt.* not Deshayes, 1855.

Galapagos Islands.

1S-26N: 13N. 5-70 m. +16° +30°C. Pliocene.

Tellina rhynchoscuta (Olsson, 1961).

Merisca rhynchoscuta Olsson, 1961: 382, pl. 70, f. 3, a, b; *part. Tellina cristallina auctt.* not Spengler, 1798 (*crystallina nom. van. auctt.*) (Caribbean).

1S-31N: 15N. Intertidal-25 m. +19° +32°C. Recent.

Tellina ulloana Hertlein, 1968.

Tellina ulloana Hertlein, 1968:80; *part. T. declivis auctt.* not Sowerby, 1868 not Conrad, 1834; *part. T. proclivis auctt.* not Hertlein & Strong, 1949.

8N-25N: 17N. 25-50 m. +20° +30°C. Recent.

Subgenus *Moerella* Fischer, 1887.

Tellina pumila Hanley, 1844.

Tellina pumila Hanley, 1844b: 69.

33S-47S: 40S. 10-55 m. +9° +24°C. Pleistocene.

Subgenus *Peronidia* Dall, 1900.

Tellina bodegensis Hinds, 1845.

Tellina bodegensis Hinds, 1845:67, pl. 21, f. 2; *T. santarosae* Dall, 1900a: 305, 325, pl. 3, f. 6, pl. 4, f. 1, 2; *?T. callamensis* Reagan, 1908: 186, pl. 3, f. 4.

25N-57N: 41N. Intertidal-100 m.+4° +28°C. Miocene.

Subgenus *Phyllodella* Schumacher, 1817.

Tellina insculpta Hanley, 1844.

Tellina insculpta Hanley, 1844b: 70.

2S-14N: 6N. 5-30 m. +17° +30°C. Recent.

Subgenus *Phyllodina* Dall, 1900.

Tellina fluctigera Dall, 1908.

Tellina (Phyllodina) fluctigera Dall, 1908c: 221, 419.

4S-8N: 2N. 45-333 m. +12° +25°C. Recent.

Tellina pristiphora Dall, 1900.

Tellina (Phyllodina) pristiphora Dall, 1900a: 302, 316, pl. 4, f. 14.

10N-28N: 19N. 20-155 m. +14° +26°C. Recent.

Subgenus *Scissula* Dall, 1900.

Tellina delicatula Deshayes, 1855.

Tellina delicatula Deshayes, 1855: 363.

23N. Depth unknown. Recent.

- Tellina esmeralda* (Olsson, 1961).
Moerella (Scissula) esmeralda Olsson, 1961: 407, pl. 68, f. 11, pl. 72, f. 5.
 1N. Depth unknown. Recent.
- Tellina varilineata* Pilsbry & Olsson, 1943.
Tellina (Scissula) varilineata Pilsbry & Olsson, 1943: 79, pl. 8, f. 6.
 4S-10N: 3N. 5-10 m. +19° +30°C. Recent.
- Tellina virgo* Hanley, 1844.
Tellina virgo Hanley, 1844: 143; *T. deshayesii* Carpenter, 1856c: 160 not Hanley, 1844 (Red Sea).
 4S-25N: 11N. Intertidal-15 m. +18° +31°C. Recent.
- Subgenus *Scutarcopagia* Pilsbry, 1918.
- Tellina scobinata* Linné, 1758.⁶⁷
Tellina scobinata Linné, 1758: 676.
 Extralimital.
- Subgenus *Tellinella* Mørch, 1853.
- Tellina cumingii* Hanley, 1844.
Tellina cumingii Hanley, 1844b:59; *part. T. interrupta* auctt. not Wood, 1815 (Atlantic); *T. (Tellina) argis* Olsson in Bayer & Voss, 1971: 40, f. 4-6.
 9N-25N: 17N. 5-150 m. +14° +30°C. Pliocene.
- Tellina idae* Dall, 1891.
Tellina idae Dall, 1891: 183, 191, pl. 6, f. 3, pl. 7, f. 1, 4.
 33N-34N. Intertidal-100 m. +8° +25°C. Miocene.
- Tellina virgata* Linné, 1758.⁶⁸
Tellina virgata Linné, 1758: 674.
 Extralimital.
- Tellina zacae* Hertlein & Strong, 1949.
Tellina (Tellinella) zacae Hertlein & Strong, 1949:65. pl. 1, f. 12, 13, 17.
 27N-29N: 28N. 60-165 m. +23° +29°C. Recent.
- Subgenus *Tellinidella* Hertlein & Strong, 1949.
- Tellina mompichensis* (Olsson, 1961).
Tellinidella mompichensis Olsson, 1961: 400, pl. 72, f. 3.
 4S-1N: 2S. Depth unknown. Recent.
- Tellina princeps* Hanley, 1844.
Tellina princeps Hanley, 1844b:62.
 4S-9N: 2N. Intertidal. +21° +32°C. Recent.
- Tellina purpurea* (Broderip & Sowerby, 1829).
Tellinides purpureus Broderip & Sowerby, 1829: 363; *part. Tellina purpurascens* auctt. not Gmelin, 1791; *T. broderipii* Carpenter, 1857b: 32 (Deshayes MS).
 4S-29N: 13N. Intertidal-10 m. +29° +30°C. Recent.
- Subfamily Macominae Olsson, 1961.
- Genus *Cymatoica* Dall, 1890.
- Cymatoica undulata* (Hanley, 1844).
Tellina undulata Hanley, 1844b:72; *Cymatoica occidentalis* Dall, 1890a: 272, pl. 10, f. 11.
 Galapagos Islands.
 2S-24N: 13N. 5-40 m. +17° +31°C. Recent.
- Genus *Leporimetis* Iredale, 1930.
- Leporimetis asthenodon* (Pilsbry & Lowe, 1932).
Apolymetis asthenodon Pilsbry & Lowe, 1932: 96, pl. 11, f. 1-3.
 4S-13N: 5N. 10-20 m. +18° +29°C. Recent.
- Leporimetis cognata* (Pilsbry & Vanatta, 1902).
Lutricola cognata Pilsbry & Vanatta, 1902: 556, pl. 35, f. 5; *part. Apolymetis excavata* auctt. not *Tellina excavata* Sowerby, 1867; *Apolymetis clarki* Durham, 1950: 90, pl. 24, f. 12, pl. 25, f. 14.
 Galapagos Islands.
 4S-30N: 13N. Intertidal-25 m. +22° +29°C. Pleistocene.
- Leporimetis dombei* (Hanley, 1844).
Tellina dombei Hanley, 1844b: 144; *Scrobicularia producta* Carpenter, 1856b: 230; *T. excavata* Sowerby in Reeve, 1867: 17 *Tellina* pl. 26, f. 138.
 4S-9N: 3N. 10-30 m. +21° +30°C. Recent.
- Leporimetis obesa* (Deshayes, 1855).
Tellina obesa Deshayes, 1855: 354; *T. alta* Conrad, 1837: 258 not Conrad, 1833; *Scrobicularia biangulata* Carpenter, 1856b: 230 (*biangularis* nom. van. auctt.); *?Arcopagia medialis* Conrad, 1857: 314; *Tellina turgida* Deshayes, 1855: 354.
 25N-35N: 30N. Intertidal-50 m. +17° +30°C. Miocene.
- Genus *Macalia* H. Adams, 1860.
- Macalia californiensis* (Bertin, 1878).⁶⁹
Macoma californiensis Bertin, 1878: 345, pl. 8, f. 2a, b.
 Extralimital.
- Genus *Macoma* Leach, 1819.
- Subgenus *Macoma* s.s.
- Macoma balthica* (Linné, 1758).
Tellina balthica Linné, 1758: 677; *T. solidula* Pulteney, 1799: 29; *T. petalum* Valenciennes in Humboldt & Bonpland, 1832: 222, pl. 48, f. 2a, b; *T. inconspicua* Broderip & Sowerby, 1829: 363; *Sanguinolaria californiana* Conrad, 1837: 231, pl. 17, f. 7; *Tellina solidula normalis* Middendorff, 1851: 262; *T. californica* Carpenter, 1857a: 195, 211, 302, nom.nud.; Carpenter, 1864: 532 (Conrad MS); *T. rotundata* Sowerby, 1867: pl. 27, f. 146 not Montagu, 1803; *T. rotunda* Salisbury, 1934: 87; *Macoma (Macoma) balthica takahokoensis* Yammamoto & Habe, 1959: 105.
 Panarctic, circumboreal.
 38N-70N: 54N. Intertidal-40 m. 0° +22°C. Pleistocene.
- Macoma brota* Dall, 1916.
Macoma brota Dall, 1916a: 36 *nom. nud.*; 1916b: 413; *Tellina edentula* Broderip & Sowerby, 1829: 363 not Spengler, 1798.
 Arctic Ocean, circumboreal.
 48N-71N: 60N. 10-260 m. -2° +16°C. Pliocene.
- Macoma calcarea* (Gmelin, 1791).
Tellina calcarea Gmelin, 1791: 3236 (*ex* Chemnitz, 1782); *T. lata* Gmelin, 1791: 3237 (*ex* Lister, 1687); *T. proxima* Sowerby in Gray, 1839: 154, pl. 44, f. 4 (Brown MS); *T. frigida* Hanley, 1844: 143; *T. lata nasuta* Middendorff, 1849: 578 not *T. nasuta* Conrad, 1837; *T. dissimilis* Martens, 1865: 430, pl. 3, f. 16 not Deshayes, 1854; *Macoma sitkana* Dall, 1900a: 307, 323, 326, pl. 4, f. 6, 7; *M. calcarea obliqua* Soot-Ryen, 1932: 15, 36, pl. 2, f. 4-6; not *M. obliqua* Sowerby, 1817; *M. calcarea longisinuata* Soot-Ryen, 1932: 17, 36, pl. 2, f. 1-3; *M. calcarea sootryeni* Petrov, 1966: 230 (Scarlatto MS).
 Panarctic, circumboreal.
 47N-71N: 59N. Intertidal-320 m. -2° +15°C. ?Oligocene.
- Macoma crassula* (Deshayes, 1855).
Tellina crassula Deshayes, 1855: 354; *Macoma inflata* Dawson, 1872: 377, pl. 5, f. 5 (Stimpson MS); *Tellina (Macoma) torelli* Jensen, 1905: 34, 52, pl. 1, f. 3a-i (Steenstrup MS); *Macoma nipponica* Tokunaga, 1906: 44, pl. 2, f. 35a,b.
 Arctic Ocean, circumboreal.
 60N-71N: 66N. 15-165 m. -2° +7°C. Pleistocene.
- Macoma eliminata* Dunnill & Coan, 1968.
Macoma eliminata Dunnill & Coan, 1968: 1, f. 2-6; *part. Tellina calcarea* auctt. not Gmelin, 1791.
 34N-60N: 46N. 5-435 m. +1° +26°C. Pleistocene.
- Macoma lipara* Dall, 1916.
Macoma brota lipara Dall, 1916a: 36 *nom. nud.*; 1916b: 414.
 39N-60N: 50N. 20-260 m. 0° +22°C. Recent.
- Macoma lama* Bartsch, 1929.
Macoma lama Bartsch, 1929: 133, pl. 2, f. 8-14; *part. M. carlottensis* auctt. not Whiteaves, 1880; *M. planiuscula* Grant & Gale, 1931: 372, 908, 922, pl. 14, f. 11, pl. 20, f. 8.

- Chukchi Sea.
- 53N-71N: 62N. Intertidal-185 m.-3° +14°C. Recent.
- Macoma loveni* (Jensen, 1905).
Tellina (Macoma) loveni Jensen, 1905: 45, pl. 1, f. 5a-h (Steenstrup MS).
- Panarctic, Northwest Pacific.
- 70N-71N. 4-820 m. -3° +9°C. Recent.
- Macoma middendorffi* Dall, 1884.
Macoma (edentula?) middendorffi Dall, 1884b: 347 (*middendorffi* nom. van. auctt.); part. *Tellina edentula* auctt. not Broderip & Sowerby, 1829.
- Chukchi Sea, Northwest Pacific.
- 58N-71N: 65N. 25-35 m. -2° +10°C. Recent.
- Macoma moesta* (Deshayès, 1855).
Tellina moesta Deshayès, 1855: 361; *Macoma alaskana* Dall, 1900a: 309, 323, 325, pl. 3, f. 5; *M. krausei* Dall, 1900a: 307, 322, 326, pl. 4, f. 8; part. *Tellina lutea* auctt. not Wood, 1828; *Macoma oneilli* Dall, 1919b: 4A, 12A, 16A, 20A, pl. 2, f. 1.
- Panarctic, Northwest Pacific.
- 45N-71N: 58N. 1-300 m. -2° +16°C. Pleistocene.
- Macoma obliqua* (Sowerby, 1817).
Tellina obliqua Sowerby, 1817: 137, pl. 161, f. 1 not Wood, 1815 (ICZN op. 948 nom. conserv.); part. *T. bruguieri* auctt. not Hanley, 1844 (Japan); part. *T. incongrua* auctt. not Martens, 1865 (Japan).
- Arctic Ocean.
- 46N-71N: 59N. Intertidal-200 m.-3° +16°C. Recent.
- Subgenus *Heteromacoma* Habe, 1952.
- Macoma inquinata* (Deshayès, 1855).
Tellina inquinata Deshayès, 1855: 357; part. *T. irus* auctt. not Hanley, 1845; *Macoma inquinata arnheimi* Dall, 1916a: 36 nom. nud.; 1916b: 414.
- Northwest Pacific.
- 34N-57N: 46N. Intertidal-50 m. +1° +20°C. Pleistocene.
- Macoma nasuta* (Conrad, 1837).
Tellina nasuta Conrad, 1837: 258; *T. tersa* Gould, 1853: 408; *Macoma kelseyi* Dall, 1900b: 1052, 1622, pl. 49, f. 7.
27N-60N: 44N. Intertidal-50 m. +1° +22°C. Miocene.
- Subgenus *Macoploma* Pilsbry & Olsson, 1941.
- Macoma medioamericana* Olsson, 1942.
Macoma (Macoploma) medioamericana Olsson, 1942: 196, pl. 17, f. 8.
4S-31N: 14N. Intertidal-80 m. +21° +32°C. Pliocene.
- Subgenus *Psammacoma* Dall, 1900.
- Macoma acolasta* Dall, 1921.
Macoma acolasta Dall, 1921: 21; *M. morroensis* J. Burch, 1945: 30, pl. 2, f. 46, 47.
33N-38N: 36N. Intertidal-75 m. +11° +23°C. Pleistocene.
- Macoma carlottensis* Whiteaves, 1880.
Macoma carlottensis Whiteaves in Dawson, 1880: 196B, text f. 1; *M. inflatula* Dall, 1897a: 11, pl. 1, f. 19, 20; *M. quadrana* Dall, 1916a: 37 nom. nud.; 1916b: 414.
- Northwest Pacific.
- 32N-58N: 45N. 5-1547 m. +2° +16°C. Recent.
- Macoma elytrum* Keen, 1958.
Macoma (Psammacoma) elytrum Keen, 1958: 244, pl. 30, f. 14; *Tellina elongata* Hanley, 1844b: 144 not Dillwyn, 1823 (Solander MS).
1S-31N: 15N. 20-110 m. +16° +30°C. Recent.
- Macoma grandis* (Hanley, 1844).
Tellina grandis Hanley, 1844b: 141 (*grande* nom. van. auctt.)
- Galapagos Islands.
- 4S-23N: 10N. 20-90 m. +16° +30°C. Pliocene.
- Macoma hesperus* Dall, 1908.⁷⁰
Macoma (Psammacoma) hesperus Dall, 1908c: 221, 421.
7N. 333 m. Extralimital? Recent.
- Macoma inornata* (Hanley, 1844).
Tellina inornata Hanley, 1844b: 144; ?*Sanguinolaria antarctica* Mabilie & Rochebrune in Rochebrune & Mabilie, 1889: 105; *Macoma hupeana* Dall, 1908c: 421.
- South Atlantic.
- 42S-54S: 48S. 35-120 m. +2° +14°C. Recent.
- Macoma lamproleuca* (Pilsbry & Lowe, 1932).
Tellina lamproleuca Pilsbry & Lowe, 1932: 93, pl. 11, f. 6, 7; part. *T. elongata* auctt. not Hanley, 1844: 144; *Macoma parthenopa* Pilsbry & Lowe, 1932: 144 (fig. caption).
4S-30N: 13N. 20-90 m. +19° +30°C. Pliocene.
- Macoma leptonoidea* Dall, 1895.
Macoma leptonoidea Dall, 1895b: 33.
34N. 483-594 m. +6° +11°C. Recent.
- Macoma siliqua* (C. B. Adams, 1852).
Tellina siliqua C. B. Adams, 1852: 546; *Thracia carnea* Mørch, 1861: 180; *Macoma (Psammacoma) panamensis* Dall, 1900a: 310, 324, pl. 4, f. 3; *M. (Psammacoma) siliqua spectri* Hertlein & Strong, 1949: 91, pl. 1, f. 9, 10, 16.
9N-31N: 20N. 20-150 m. +14° +31°C. Recent.
- Macoma yoldiformis* Carpenter, 1864.
Macoma yoldiformis Carpenter, 1864c: 602, 611, 639.
27N-57N: 42N. Intertidal-25 m. +7° +28°C. Pleistocene.
- Subgenus *Rexithaerus* Tryon, 1869.
- Macoma dextioptera* Baxter, 1977.
Macoma dextioptera Baxter, 1977: 272, f. 1, 2, 7, 8, 10, 12.
60N. Depth unknown. Recent.
- Macoma expansa* Carpenter, 1864.
Macoma expansa Carpenter, 1864c: 602, 639; *M. liotricha* Dall, 1897: 12, pl. 1, f. 21.
35N-60N: 48N. Intertidal-30 m. -2° +25°C. Pleistocene.
- Macoma indentata* Carpenter, 1864.
Macoma indentata Carpenter, 1864c: 611, 639; *M. (Rexithaerus) indentata tenuirostris* Dall, 1900a: 309, 324; *M. (Rexithaerus) rickettsi* Steinbeck & Ricketts, 1941: 510 nom. nud. (Rehder MS).
28N-41N: 35N. Intertidal-100 m. +5° +27°C. Pleistocene.
- Macoma secta* (Conrad, 1837).
Tellina secta Conrad, 1837: 257; *T. ligamentina* Deshayès 1843: pl. 81; *Macoma secta edulis* Carpenter, 1860: 2 nom. nud. (Nuttall MS); 1864c: 526, 600, 639.
25N-54N: 40N. Intertidal-50 m. +2° +23°C. Pleistocene.
- Genus *Psammotreta* Dall, 1900.
- Subgenus *Psammotreta s.s.*
- Psammotreta aurora* (Hanley, 1844).
Tellina aurora Hanley, 1844b: 147; *T. concinna* Philippi, 1844: 123 not Edwards, 1847 not C. B. Adams, 1852; *T. panamensis* Philippi, 1844: 175.
- Galapagos Islands.
- 4S-29N: 13N. 10-35 m. +19° +30°C. Pleistocene.
- Psammotreta gubernaculum* (Hanley, 1844).⁷¹
Tellina gubernaculum Hanley, 1844b: 142; part. *Macoma pacis* auctt. not Pilsbry & Lowe, 1932.
Extralimital. Indo-Pacific.
- Psammotreta mazatlanica* (Deshayès, 1855).
Tellina mazatlanica Deshayès, 1855: 359 (*mazatlanica* nom. null. Carpenter, 1857).
1S-23N: 11N. 20-30 m. +19° +29°C. Recent.
- Psammotreta plebia* (Hanley, 1844).⁷²
Tellina plebia Hanley, 1844b: 147.
Extralimital.
- Psammotreta pura* (Gould, 1853).
Tellina pura Gould, 1853: 398, pl. 16, f. 3.
9N. Depth unknown. Recent.

- Psammotreta viridotincta* (Carpenter, 1856).
Scrobicularia viridotincta Carpenter, 1856c: 160 (*viridotincta* nom. null. auctt.); *Tellina casta* Hanley, 1844b: 63 not *Psammobia casta* Reeve, 1857; *Macoma pacis* Pilsbry & Lowe, 1932: 95, pl. 10, f. 1-3.
 9N-30N: 20N. 10-30 m. +19° +31°C. Pliocene.
- Subgenus *Ardeamya* Olsson, 1961.
- Psammotreta columbiensis* (Hanley, 1844).
Tellina columbiensis Hanley, 1844b: 71.
 IS-12N: 6N. Intertidal-20 m. +17° +31°C. Recent.
- Genus *Temnoconcha* Dall, 1921.
- Temnoconcha cognata* (C. B. Adams, 1852).
Tellina cognata C. B. Adams, 1852: 503, 545; *T. concinna* C. B. Adams, 1852: 504, 546 not Philippi, 1844; *Psammobia casta* Reeve, 1857: 10 *Psammobia* pl. 8, sp. 55 not *Tellina casta* Hanley, 1844; *Tellina tenuilineata* Li, 1930: 262, pl. 5, f. 33.
 4S-23N: 10N. 5-75 m. +17° +30°C. Recent.
- Family Scrobiculariidae H. Adams & A. Adams, 1856.
- Genus *Abra* Lamarck, 1818.
- Subgenus *Abra s.s.*
- Abra californica* Knudsen, 1970.
Abra californica Knudsen, 1970: 103, text-f. 64.
 45N-51N: 48N. 2835-3932 m. +2° +3°C. Recent.
- Abra profundorum* (E. A. Smith, 1885).
Semele (Abra) profundorum E. A. Smith, 1885: 88, pl. 5, f. 5, b.
 Cosmopolitan in deep water.
 45N-52N: 48N. 3000-3200 m. +2° +3°C. Recent.
- Sensu lato.*
- Abra palmeri* Dall, 1915.
Abra palmeri Dall, 1915a: 28.
 9N-29N: 19N. 30-165 m. +10° +27°C. Recent.
- Abra tepocana* Dall, 1915.
Abra tepocana Dall, 1915a: 28.
 29N-31N: 30N. 20-30 m. +24° +30°C. Recent.
- Genus *Cumingia* Sowerby, 1833.
- Cumingia adamsi* Olsson, 1961.
Cumingia adamsi Carpenter, 1864a: 367 nom. nud.; *C. adamsi* Olsson, 1961: 372, pl. 67, f. 62.
 2S-9N: 4N. Intertidal-5 m. +17° +31°C. Recent.
- Cumingia californica* Conrad, 1837.
Cumingia californica Conrad, 1837: 234, pl. 17, f. 12; part. *C. lamellosa* auctt. not Sowerby, 1833; *C. tellinides* Sowerby in Reeve, 1874: 19 *Cumingia* pl. 1, sp. 1; *C. densilineata* Dall, 1921b: 22.
 26N-42N: 34N. Intertidal-65 m. +15° +30°C. Pliocene.
- Cumingia lamellosa* Sowerby, 1833.
Cumingia lamellosa Sowerby, 1833: 34; *C. coarctata* Sowerby, 1833: 34; *C. trigonularis* Sowerby, 1833: 35; *C. similis* A. Adams, 1850b: 24, pl. 8, f. 4; *C. moulinsii* Folin, 1867: 16, pl. 2, f. 12-15.
 4S-26N: 11N. Intertidal-25 m. +27° +32°C. Pleistocene.
- Cumingia mutica* Sowerby, 1833.
Cumingia mutica Sowerby, 1833: 34; *C. fragilis* A. Adams, 1850: 24, pl. 8, f. 4; *C. striata* A. Adams, 1850: 25, pl. 8, f. 5; *C. clerii* A. Adams, 1850b: 24, pl. 8, f. 3; *C. grandis* Deshayes, 1857: 281, pl. 8, f. 4, 5; *C. ventricosa* Sowerby in Reeve, 1873: 15 *Cumingia* pl. 2, sp. 10.
 1S-42S: 21S. Intertidal-25 m. +9° +28°C. Recent.
- Cumingia pacifica* (Dall, 1915).
Abra pacifica Dall, 1915a: 28.
 28N. Depth unknown. Recent.
- Genus *Leptomya* A. Adams, 1864.
- Leptomya ecuadoriana* Soot-Ryen, 1957.
Leptomya ecuadoriana Soot-Ryen, 1957b: 10, f. 2; *L. americana* Keen, 1958: 246, pl. 30, f. 9, 10, pl. 31, f. 3, 5, 6.
 4S-19N: 7N. Intertidal-15 m. +18° +31°C. Recent.
- Genus *Semele* Schumacher, 1817.
- Semele bicolor* (C. B. Adams, 1852).
Amphidesma bicolor C. B. Adams, 1852: 288; *A. striosum* C. B. Adams, 1852: 291; *A. ventricosum* C. B. Adams, 1852: 292; *Semele fucata* Mørch, 1860: 190.
 8N-24N: 16N. Intertidal. +19° +32°C. Recent.
- Semele californica* (Reeve, 1853).
Amphidesma californica Reeve, 1853: 8 *Amphidesma* pl. 8, sp. 19 (A. Adams MS).
 23N-27N: 25N. Intertidal. +17° +32°C. Pleistocene.
- Semele clydosa* nom. nov.⁷³
Amphidesma punctatum Sowerby, 1833: 200 not *A. punctata* Say, 1822 (Atlantic).
 Galapagos Islands.
 0-1S. Intertidal-5 m. +15° +27°C. Recent.
- Semele corrugata* (Sowerby, 1833).
Amphidesma corrugatum Sowerby, 1833: 200.
 2S-45S: 24S. Intertidal-10 m. +8° +21°C. Pleistocene.
- Semele craneana* Hertlein & Strong, 1949.
Semele craneana Hertlein & Strong, 1949: 241, pl. 1, f. 19, 22.
 18N-26N: 22N. 80-90 m. +13° +27°C. Recent.
- Semele decisa* (Conrad, 1837).
Amphidesma decisum Conrad, 1837: 239, pl. 19, f. 2 *Semele dehiscentis* nom. null. [Hartmann, 1963]; *A. rubrolineata* Conrad, 1837: 239, pl. 18, f. 11; *Semele rubrotincta* Carpenter, 1857b: 284, 352 (Conrad MS) nom. null.
 25N-33N: 29N. Intertidal-50 m. +11° +30°C. Pleistocene.
- Semele elliptica* (Sowerby, 1833).
Amphidesma ellipticum Sowerby, 1833: 200 not Koch & Dunker, 1837.
 20S-10N: 5S. Intertidal-10 m. +11° +26°C. Recent.
- Semele flavescens* (Gould, 1851).
Amphidesma (Semele) flavescens Gould, 1851: 89 (*flavicans* nom. null. auctt.); *A. proximum* C. B. Adams, 1852: 547.
 2S-30N: 14N. Intertidal. +19° +27°C. Pliocene.
- Semele formosa* (Sowerby, 1833).
Amphidesma formosum Sowerby, 1833: 199.
 2S-31N: 15N. Intertidal-10 m. +24° +30°C. Recent.
- Semele guaymasensis* Pilsbry & Lowe, 1932.
Semele guaymasensis Pilsbry & Lowe, 1932: 92, pl. 12, f. 8, 9.
 24N-31N: 28N. 5-40 m. +22° +31°C. Recent.
- Semele incongrua* Carpenter, 1864.
Semele incongrua Carpenter, 1864c: 611, 640; *S. pulchra montereyi* Arnold, 1903: 392, pl. 15, f. 3, a.
 28N-37N: 33N. 5-200 m. +14° +29°C. Pleistocene.
- Semele jovis* (Reeve, 1853).
Amphidesma jovis Reeve, 1853: 8 *Amphidesma* pl. 5, sp. 34; ?*Tellina (Merisca) lamellata* Carpenter, 1857b: 37; *T. barbarae* Boone, 1928: 9, pl. 1.
 8N-29N: 19N. Intertidal-30 m. +22° +32°C. Recent.
- Semele junonia* Verrill, 1870.
Semele junonia Verrill, 1870: 217; part. *Amphidesma rosea* auctt. not Sowerby, 1833.
 24N-28N: 26N. 5-15 m. +21° +30°C. Recent.
- Semele laevis* (Sowerby, 1833).
Amphidesma laevis Sowerby, 1833: 199.
 4S-13N: 5N. 15-30 m. +19° +29°C. Pliocene.
- Semele lenticularis* (Sowerby, 1833).
Amphidesma lenticularis Sowerby, 1833: 200.
 3S-19N: 8N. Intertidal-15 m. +17° +31°C. Recent.
- Semele mediamericana* Pilsbry & Lowe, 1932.⁷⁴
Semele mediamericana Pilsbry & Lowe, 1932: 92, pl. 12, f. 1, a, b.
 Extralimital.
- Semele pacifica* Dall, 1915.⁷⁵
Semele pacifica Dall, 1915a: 27; *Semele jaramija* Pilsbry & Olsson, 1941: 70, pl. 17, f. 5.
 9N-31N: 20N. Intertidal-40 m. +18° +31°C. Pliocene.

- Semele pallida* (Sowerby, 1833).
Amphidesma pallidum Sowerby, 1833: 199.
 1S–2S. Intertidal–10 m. +19° +31°C. Recent.
- Semele paziana* Hertlein & Strong, 1949.
Semele paziana Hertlein & Strong, 1949: 274; *S. regularis* Dall, 1915a: 27 not *S. (Abra) regularis* E. A. Smith, 1885 (Indian Ocean).
 24N. 18–55 m. +19° +28°C. Recent.
- Semele pilsbryi* Olsson, 1961.
Semele pilsbryi Olsson, 1961: 368, pl. 65, f. 6, a.
 7N. Depth unknown. Recent.
- Semele pulchra* (Broderip & Sowerby, 1832).
Amphidesma pulchrum Broderip & Sowerby, 1832: 57; *Semele quentinensis* Dall, 1921: 22.
 Galapagos Islands.
 4S–35N: 15N. Intertidal–50 m. +17° +31°C. Pleistocene.
- Semele rosea* (Sowerby, 1833).
Amphidesma roseum Sowerby, 1833: 199; *Semele tabogensis* Pilsbry & Lowe, 1932: 91, pl. 12, f. 5, a, b.
 4S–16N: 6N. Intertidal–15 m. +18° +31°C. Recent.
- Semele rubropicta* Dall, 1871.
Semele rubropicta Dall, 1871: 144, pl. 14, f. 10; part. *Amphidesma rubrolineatum* auctt. not Conrad, 1837.
 28N–60N: 44N. Intertidal–100 m. +2° +20°C. Pleistocene.
- Semele rupicola* Dall, 1915.
Semele rupicola Dall, 1915a: 26; part. *Amphidesma rupium* auctt. not Sowerby, 1833.
 23N–38N: 31N. Intertidal–55 m. +13° +30°C. Pleistocene.
- Semele rupium* (Sowerby, 1833).
Amphidesma rupium Sowerby, 1833: 199; *Semele floreanensis* Soot-Ryen, 1931: 314, 322, pl. 2, f. 11, 12.
 Galapagos Islands.
 1S–1N. Intertidal. +18° +27°C. Recent.
- Semele simplicissima* Pilsbry & Lowe, 1932.
Semele simplicissima Pilsbry & Lowe, 1932: 93, pl. 12, f. 6, a.
 17N–27N: 22N. 20–110 m. +17° +28°C. Recent.
- Semele solida* (Gray, 1828).
Amphidesma solida Gray, 1828: 6; *A. croceum* Gould, 1850: 218; part. *A. orbiculare* auctt. not Hupé in Gay, 1854; part. *Semele sparsilineata* auctt. not Dall, 1915.
 12S–45S: 29S. Intertidal–5 m. +10° +26°C. Recent.
- Semele sowerbyi* Lamy, 1912.
Semele sowerbyi Lamy, 1912a: 165; *Amphidesma purpurascens* Sowerby, 1833: 199 not *Venus purpurascens* Gmelin, 1791.
 2S–9N: 4N. Intertidal–10 m. +19° +32°C. Recent.
- Semele sparsilineata* Dall, 1915.
Semele sparsilineata Dall, 1915a: 26; part. *Amphidesma purpurascens* auctt. not Sowerby, 1833 not *Venus purpurascens* Gmelin, 1791.
 7N–28N: 18N. Intertidal–30 m. +19° +31°C. Recent.
- Semele tortuosa* (C. B. Adams, 1852).
Amphidesma tortuosum C. B. Adams, 1852: 515, 547; *Semele planata* Carpenter, 1856b: 160.
 1S–9N: 4N. Intertidal. +20° +32°C. Recent.
- Semele venusta* (Reeve, 1853).
Amphidesma venusta Reeve, 1853: 8 *Amphidesma* pl. 1, sp. 3 (A. Adams MS).
 3N–30N: 17N. Intertidal–20 m. +17° +31°C. Recent.
- Semele verrucosa* Mørch, 1860.
Semele (Amphidesma) verrucosa Mørch, 1869: 190; *S. margarita* Olsson, 1961: 370, pl. 66, f. 3.
 8N–12N: 10N. Intertidal–15 m. +18° +31°C. Pleistocene.
- Semele verruculastra* Keen, 1966.
Semele verruculastra Keen, 1966: 32; *S. (Amphidesma) verrucosa* auctt. not Mørch, 1860.
 9N–29N: 19N. Intertidal. +19° +31°C. Pleistocene.
- Genus *Semelina* Dall, 1900.
Semelina nuculoides (Conrad, 1841).⁷⁶
Amphidesma nuculoides Conrad in Hodge, 1841: 347 not *Semele nuculoidea* Dall, 1900.
 Extralimital. Recent.
- Semelina subquadrata* (Carpenter, 1857).
Montacuta subquadrata Carpenter, 1857b: 113; part. *Amphidesma nuculoides* auctt. not Conrad, 1841.
 4N–30N: 17N. Intertidal–10 m. +17° +31°C. Recent.
- Genus *Theora* H. Adams & A. Adams, 1856.
 Subgenus *Endopleura* A. Adams, 1864.
Theora lubrica Gould, 1861.⁷⁷
Theora lubrica Gould, 1861: 24.
 Introduced from Japan.
 34N. 4–10 m. Recent.
- Family Psammobiidae Fleming, 1828.
nom. correct. Fischer, 1887 *pro* Psammobiadae.
- Subfamily Psammobiinae Fleming, 1828.
nom. transl. E. A. Smith, 1885 *ex* Psammobiidae.
- Genus *Gari* Schumacher, 1817.
 Subgenus *Gobraeus* Brown, 1844.
- Gari californica* (Conrad, 1837).
Psammobia californica Conrad, 1837: pl. 19, f. 3; *Sanguinolaria rubroradiata* Carpenter, 1857a: 212 (Nuttall MS); “Conrad” *nom. nud.*; *Psammobia kazusensis* Yokoyama, 1922: 136, pl. 9, f. 4; *P. lilacina* *nom. nud.* (Carpenter MS, cited by Palmer, 1958 from Wilkins letter: 113)
 Northwest Pacific.
 25N–60N: 43N. Intertidal–170 m. +6° +27°C. Pliocene.
- Gari crassa* (Hupé in Gay, 1854).
Psammobia crassa Hupé in Gay, 1854: 354, pl. 7, f. 4; *P. solida* Philippi, 1844: 97, pl. 1, f. 1 not Sowerby, 1822.
 33S–44S: 39S. Intertidal–10 m. +8° +19°C. Recent.
- Gari fucata* (Hinds, 1845).
Tellina fucata Hinds, 1845: 67, pl. 21, f. 4 not *T. (Strigilla) fucata* Gould, 1851; *Siliquaria edentula* Gabb, 1869: 53, pl. 15, f. 4.
 25N–34N: 30N. 5–140 m. +13° +30°C. Pleistocene.
- Gari helenae* Olsson, 1961.
Gari (Gobraeus) helenae Olsson, 1961: 357, pl. 63, f. 12, a; part. *Psammobia (?Amphichaena) regularis* auctt. not Carpenter, 1864.
 4N–29N: 17N. Intertidal. +22° +31°C. Recent.
- Gari lata* (Deshayes, 1855).
Psammobia lata Deshayes, 1855: 318.
 2S–14N: Intertidal–10 m. +16° +31°C. Recent.
- Gari maxima* (Deshayes, 1855).
Psammobia maxima Deshayes, 1855: 317.
 6N–31N: 19N. Intertidal. +18° +32°C. Recent.
- Gari panamensis* Olsson, 1961.
Gari (Gobraeus) panamensis Olsson, 1961: 357, pl. 63, f. 11.
 9N. Intertidal. +25° +32°C. Recent.
- Gari regularis* (Carpenter, 1864).
Psammobia (Amphichaena) regularis Carpenter, 1864b: 312.
 23N–32N: 28N. 15–40 m. +8° +28°C. Recent.
- Gari solida* (Gray, 1828).
Solen(Solenocurtus) solidus Gray, 1828: 7, pl. 3, f. 12; part. *Psammobia crassa* auctt. not Hupé in Gay, 1854.
 25S–45S: 35S. Intertidal–5 m. +9° +26°C. Recent.
- Genus *Heterodonax* Mørch, 1853.
Heterodonax pacificus (Conrad, 1837).
Psammobia pacifica Conrad, 1837: 241, pl. 18, f. 13; *Tellina bimaculata* auctt. not Linné, 1758 (Caribbean); *T. vicina* C. B. Adams, 1852: 509, 546; *Donax ovalina* Reeve, 1854: 8 *Donax* pl. 3, sp. 17; *Tellina versicolor* Carpenter, 1864a: 368 (Adams MS) not DeKay, 1843 *nom. nud.*;

- Heterodonax bimaculatus purpureus* Williamson, 1893: 187; *H. bimaculatus salmoneus* Williamson, 1893: 187.
4S–34N: 15N. Intertidal. +11° +32°C. Pleistocene.
- Genus *Nuttallia* Dall, 1900.
- Nuttallia nuttallii* (Conrad, 1837).
Sanguinolaria nuttallii Conrad, 1837: 230, pl. 17, f. 6; *Psammodia decora* Hinds, 1842: 81, pl. 6, f. 1; *Sanguinolaria grandis* Carpenter, 1857a: 228, 349 (Gould MS) nom. nud.; *S. orcutti* Dall, 1921a: 17. 25N–38N: 32N. Intertidal–5 m. +8° +31°C. Pleistocene.
- Genus *Sanguinolaria* Lamarck, 1799.
- Subgenus *Sanguinolaria s.s.*
- Sanguinolaria antarctica* Mabile & Rochebrune, 1889.
Sanguinolaria antarctica Mabile & Rochebrune in Rochebrune & Mabile, 1889: 105.
54S. Depth unknown. nom. dub. Recent.
- Sanguinolaria ovalis* Reeve, 1857.
Sanguinolaria ovalis Reeve, 1857: 10 *Sanguinolaria*, pl. 1, sp. 2; *S. vespertina* Pilsbry & Lowe, 1932: 90, pl. 12, f. 3, 4; *S. (Sanguinolaria) tenuis* Olsson, 1961: 349, pl. 85, f. 6. 2S–16N: 7N. Intertidal–10 m. +17° +31°C. Recent.
- Sanguinolaria tellinoides* A. Adams, 1850.
Sanguinolaria tellinoides A. Adams, 1850: 170, pl. 6, f. 6; part. *Maetra grandis* auctt. not Gmelin, 1791; part. *Tellina rosea* auctt. not Lamarck, 1818; *T. miniata* Gould, 1851: 90; *Sanguinolaria purpurea* Deshayes, 1855: 346. 2S–30N: 14N. 15–20 m. +15° +31°C. Pliocene.
- Subgenus *Psammotella* Herrmannsen, 1852.
- Sanguinolaria bertini* Pilsbry & Lowe, 1932.
Sanguinolaria bertini Pilsbry & Lowe, 1932: 91, pl. 10, f. 7, 8; part. *Tellina rufescens* auctt. not Gmelin, 1791; *T. hanleyi* Bertin, 1878: 268 not Dunker, 1853. 4S–31N: 14N. Intertidal. +11° +31°C. Recent.
- Genus *Solecurtus* Blainville, 1824.
- Solecurtus guaymasensis* (Lowe, 1935).
Psammosolen guaymasensis Lowe, 1935: 18, pl. 1, f. 7. 8N–28N: 18N. 35–110 m. +14° +31°C. Recent.
- Solecurtus lineatus* (Gabb, 1861).
Tagelus lineatus Gabb, 1861: 370, pl. 47, f. 71; *Solecurtus broggii* Pilsbry & Olsson, 1941: 71, pl. 18, f. 4. 4S–8N: 2N. 60–75 m. +19° +31°C. Pliocene.
- Genus *Tagelus* Gray, 1847.
- Subgenus *Tagelus s.s.*
- Tagelus affinis* (C. B. Adams, 1852).
Solecurtus affinis C. B. Adams, 1852: 524, 548; *S. cylindricus* Sowerby in Reeve, 1874: 19 *Solecurtus* pl. 5, sp. 23; ?*Tagelus (Tagelus) irregularis* Olsson, 1961: 352, pl. 62, f. 6. Galapagos Islands. 2S–35N: 17N. Intertidal–75 m. +12° +31°C. Pleistocene.
- Tagelus californianus* (Conrad, 1837).
Solecurtus (Cultellus) californianus Conrad, 1837: 333, pl. 18, f. 3 (*californicus*, *californiensis* nom. van. auctt.). 23N–43N: 33N. Intertidal. +9° +30°C. Pleistocene.
- Tagelus dombeii* (Lamarck, 1818).
Solen dombeii Lamarck, 1818: 454; *Solecutus coquimbensis* Sowerby in Reeve, 1874: 19 *Solecurtus* pl. 5, sp. 22a, b. 43S–9N: 18S. Intertidal. +8° +32°C. Pliocene.
- Tagelus irregularis* Olsson, 1961.
Tagelus (Tagelus) irregularis Olsson, 1961: 352, pl. 62, f. 6. 2S. Intertidal. +17° +32°C. Recent.
- Tagelus longisinuatus* Pilsbry & Lowe, 1932.
Tagelus affinis longisinuatus Pilsbry & Lowe, 1932: 91, pl. 11, f. 4, 5. 16N–23N: 20N. Intertidal–5 m. +16° +31°C. Recent.
- Tagelus peruanus* (Dunker, 1861).
Siliquaria peruana Dunker, 1861a: 426. 12S–19N: 4N. Intertidal. +14° +31°C. Recent.
- Tagelus violascens* (Carpenter, 1857).⁷⁸
Solecurtus violascens Carpenter, 1857b: 27. 23N. Intertidal. +18° +31°C. Recent.
- Subgenus *Mesopleura* Conrad, 1868.
- Tagelus bourgeoisae* Hertlein, 1951.
Tagelus (Mesopleura) bourgeoisae Hertlein, 1951: 73, pl. 26, f. 5, 6. 3S–29N: 13N. Intertidal. +17° +31°C. Recent.
- Tagelus peruvianus* Pilsbry & Olsson, 1941.
Tagelus (Mesopleura) peruvianus Pilsbry & Olsson, 1941: 70, pl. 18, f. 5. 5S–31N: 13N. Intertidal. +11° +32°C. Pliocene.
- Tagelus politus* (Carpenter, 1837).
Solecurtus politus Carpenter, 1857b: 27; *Siliquaria carpenteri* Dunker, 1861a: 426; *S. nitidissima* Dunker, 1861a: 426. 4S–30N: 13N. Intertidal. +14° +31°C. Pliocene.
- Tagelus subteres* (Conrad, 1837).
Solecurtus (Cultellus) subteres Conrad, 1837: 333, pl. 17, f. 10; part. *S. politus* auctt. not Carpenter, 1857. 26N–35N: 31N. Intertidal–55 m. +7° +25°C. Recent.
- Family Donacidae Fleming, 1828.
- Genus *Amphichaena* Philippi, 1847.
- Amphichaena kindermanni* Philippi, 1847.
Amphichaena kindermanni Philippi, 1847: 63, pl. 3, f. 7; part. *Donax petallina* auctt. not Reeve, 1854 (Deshayes MS); *Amphichaena gracilis* Mørch, 1860: 192. 13N–17N: 15N. Intertidal. +21° +31°C. Recent.
- Genus *Donax* Linné, 1758.
- Subgenus *Chion* Scopoli, 1777.
- Donax culter* Hanley, 1845.
Donax culter Hanley, 1845b: 14; part. *D. californica* auctt. not Conrad, 1837; part. *Amphichaena kindermanni* auctt. not Philippi, 1847; *Donax contusa* Reeve, 1854: 8 *Donax* pl. 4, sp. 24; *D. conradi* Reeve, 1854: 8 *Donax* pl. 5, sp. 29 (Deshayes MS); *D. petallina* Reeve, 1854: 8 *Donax* pl. 8 sp. 51 (*petalinus* nom. null. auctt.); *D. vellicata* auctt. not Reeve, 1854: 8 *Donax* pl. 9 sp. 66 (Caribbean); *D. bitincta* Reeve, 1854: 8 *Donax* pl. 9, sp. 68; *D. affinis* auctt. not Deshayes, 1854: 7 (Red Sea); part. *D. bella* auctt. not Deshayes, 1855 (Atlantic). 12N–30N: 21N. Intertidal–25 m. +14° +31°C. Recent.
- Donax ecuadorianus* Olsson, 1961.
Donax ecuadorianus Olsson, 1961: 340, pl. 61, f. 2, a, b. 1S–9N: 4N. Depth unknown. Recent.
- Donax obesus* Orbigny, 1845.
Donax obesa Orbigny, 1845: 541, pl. 81, f. 28–30 not Gould, 1851 not Philippi, 1851. 3S–12N: 5N. Intertidal. +18° +32°C. Recent.
- Donax obesulus* Reeve, 1854.
Donax obesula Reeve, 1854: 8 *Donax* pl. 5, sp. 30 (Deshayes MS); *D. radiatus* Valenciennes in Humboldt & Bonpland, 1832: 221, not Gmelin, 1791; *D. mancorensis* Olsson, 1961: 340, pl. 61, f. 3, a, b. 4S–12N: 4N. Intertidal–15 m. +18° +32°C. Recent.
- Donax peruvianus* Deshayes, 1855.
Donax peruvianus Deshayes, 1855: 350; not *D. aricana* Dall, 1909b: 173. 1S–34S: 18S. Intertidal–40 m. +11° +29°C. Recent.
- Donax punctatostratus* Hanley, 1843.
Donax punctatostrata Hanley, 1843: 5; part. *D. sulcatus* auctt. not Philippi, 1847 (Caribbean); part. *D. lamarkii* auctt. not Reeve, 1854 (Caribbean); *D. punctatostratus caelatus* Carpenter, 1857b: 46; *D. sowerbyi* Bertin, 1881: 68, 85. 5S–31N: 13N. Intertidal–10 m. +11° +31°C. Pleistocene.
- Subgenus *Machaerodonax* Römer, 1870.

Donax carinatus Hanley, 1843.
Donax carinata Hanley, 1843: 5; *D. rostratus* C. B. Adams, 1852: 502;
D. culminatus Carpenter, 1857b: 43.
4S-25N: 11N. 5-25 m. +17° +29°C. Recent.

Donax transversus Sowerby, 1825.
Donax transversus Sowerby, 1825: 4; part. *D. scalpellum* auctt. not Gray, 1823 (Red Sea); part. *D. elongata* auctt. not Mawe, 1823.
2S-17N: 8N. Intertidal-20 m. +17° +31°C. Recent.

Subgenus *Paradonax* Cossmann & Peyrot, 1910.

Donax californicus Conrad, 1837.
Donax californicus Conrad, 1837: 254, pl. 19, f. 21; *D. navicula* Hanley, 1845b: 15 (*naviculus* nom. null. auctt.); part. *D. flexuosus* auctt. not Gould, 1853.

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3S-33N: 15N. Intertidal-15 m. +11° +32°C. Pleistocene.

Donax gracilis Hanley, 1845.
Donax gracilis Hanley, 1845b: 15.

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5S-31N: 13N. Intertidal-25 m. +19° +31°C. Pleistocene.

Sensu lato.

Donax asper Hanley, 1845.
Donax asper Hanley, 1845b: 14 (*aspera* nom. van. auctt.); *D. granifera* Reeve, 1854: 8 *Donax* pl. 7, sp. 43 (Deshayes MS).
4S-16N: 6N. Intertidal-10 m. +17° +31°C. Recent.

Donax bellus Deshayes, 1855.⁷⁹
Donax bella Deshayes, 1855: 351 (*vellus* nom. null. auctt.).
Extralimital.

Donax carpenteri H. Adams & A. Adams, 1856.⁸⁰
Donax (Serrula) carpenteri H. Adams & A. Adams, 1856: 405; *D. semistriatus* Carpenter, 1856b: 230 not Poli, 1795 not Gravenhorst, 1807.

Donax dentifer Hanley, 1843.
Donax dentifera Hanley, 1843: 6; part. *D. rugosa* auctt. not Linné, 1758 (Atlantic); *D. paytensis* Orbigny, 1846: 541;
4S-17N: 7N. Intertidal-20 m. +14° +31°C. Pliocene.

Donax flexuosus Gould, 1853.⁸¹
Donax flexuosus Gould, 1853: 394, pl. 15, f. 8.
Extralimital.

Donax gouldii Dall, 1921.
Donax gouldii Dall, 1921a: 49; part. *D. californicus* auctt. not Conrad, 1837; *D. obesus* Gould, 1851: 90 not Orbigny, 1845 not Philippi, 1851; *D. obesus* Philippi, 1851: 145 not Orbigny, 1845 not Gould, 1851; *D. laevigatus* Reeve, 1854: 8 *Donax* pl. 5, sp. 31 (Deshayes MS) not Gmelin, 1791; *D. abruptus* Carpenter, 1857a: 232 (Gould MS).
25N-35N: 30N. Intertidal-5 m. +9° +30°C. Pliocene.

Donax panamensis Philippi, 1849.
Donax panamensis Philippi, 1849a: 145; part. *C. caianensis* auctt. not Lamarch, 1818 (Atlantic) (*Cayennensis* nom. van. auctt.); *D. assimilis* Reeve, 1854: 8 *Donax* pl. 2 sp. 10 (Hanley MS); *D. reevei* Bertin, 1881: 68, pl. 4, f. 2, a-c.
1S-23N: 11N. Intertidal-10 m. +16° +30°C. Recent.

Genus *Iphigenia* Schumacher, 1817.

Iphigenia altior (Sowerby, 1833).⁸²
Capsa altior Sowerby, 1833: 196; part. *Donax laevigata* auctt. not Gmelin, 1791; *Iphigenia ambigua* Bertin, 1881: 68, pl. 4, f. 4a-c.
3S-30N: 14N. Intertidal-25 m. +14° +31°C. Pleistocene.

Superfamily DREISSENACEA Gray in Turton, 1840.
nom. transl. Gill, 1871 ex Dreissenidae.

Family Dreissenidae Gray in Turton, 1840.
nom. correct. Gray, 1847 ex Dreissenadae.

Genus *Mytilopsis* Conrad, 1858.

Mytilopsis leucophaeata (Conrad, 1831).
Mytilus leucophaeatus Conrad, 1831: 263, pl. 11, f. 13; *M. adamsi* Morrison, 1946: 46, pl. 1, f. 4; *M. zeteki* Hertlein & Hanna, 1949: 15.

Caribbean and North Atlantic.

9N. Intertidal. +21° +32°C. Recent.

Superfamily GAIMARDIACEA Hedley, 1916.
nom. transl. Fleming, 1969 ex Gaimardiidae.

Family Gaimardiidae Hedley, 1916.
nom. correct. Odhner, 1924 pro Gaimardiadae.

Genus *Gaimardia* Gould, 1852.

Gaimardia trapesina (Lamarck, 1819).
Modiola trapesina Lamarck, 1819: 119 (*trapezina* nom. van. auctt.); *Phasiolicana magellanica* Rousseau in Jacquinot, 1854: pl. 26, f. 2 not *Modiola magellanica* Reeve 1857; *P. exilis* Philippi, 1858: 24; *Gaimardia subquadrata* Pfeffer in Martens & Pfeffer, 1886: 121, pl. 4, f. 8, 9; *G. nigromarginata* Pfeffer in Martens & Pfeffer, 1886: 123, pl. 4, f. 11; *G. faba* Pfeffer in Martens & Pfeffer, 1886: 124, pl. 4, f. 10a-c; *Modiolarca crassa* 120; *M. lephayi* 121; *M. lecamelieri* 121; *M. savatieri* 122; *M. fuegiensis* 122; *M. sauvineti* 123; *M. hahni* 123 all Mabile & Rochebrune in Rochebrune & Mabile, 1889; *M. mesembrina* Melville & Standen, 1907: 146; *M. picturata* Cooper & Preston, 1910: 112; *M. gemma* Cooper & Preston, 1910: 112.

South Atlantic.

25S-54S: 50S. Intertidal-150 m. +1° +16°C. Recent.

Genus *Kidderia* Dall, 1876.

Kidderia pusilla (Gould, 1850).
Mytilus (Modiolarca) pusillus Gould, 1850: 345; *Kidderia minuta* Dall in Kidder, 1876: 46; *Modiolarca bicolor* Martens, 1885: 93; *Cyamium imitans* Pfeffer in Martens & Pfeffer, 1886: 115, pl. 4, f. 5a, b; *Cyamionema decoratum* Melville & Standen, 1914: 131, pl. 7, f. 5a, b.

South Atlantic.

54S. Intertidal. +1° +11°C. Recent.

Superfamily ARCTICACEA Newton, 1891.
nom. transl. Habe, 1951 ex Arcticidae.

Family Trapeziidae Lamy, 1920.

Genus *Trapezium* Megerle, 1811.

Subgenus *Trapezium s.s.*

Trapezium californicum (Conrad, 1837).⁸³
Cypricardia californica Conrad, 1837: 236, pl. 18, f. 4.
Extralimital.

Trapezium liratum (Reeve, 1843).⁸⁴
Cypricardia lirata Reeve, 1843: 1 *Cypricardia* pl. 1, sp. 1; *Trapezium japonicum* Pilsbry, 1905: 119, pl. 5, f. 34-36; *T. nipponicum* Yokoyama, 1922: 167, pl. 3, f. 17; *T. ventricosum* Yokoyama, 1922: 168, pl. 13, f. 1a, b.
Introduced, probably not established. Intertidal.

Family Bernardinidae Keen, 1963.

Genus *Bernardina* Dall, 1910.

Bernardina bakeri Dall, 1910.
Bernardina bakeri Dall, 1910: 171.
25N-37N: 31N. 20-50 m. +12° +19°C. Pleistocene.

Bernardina margarita (Carpenter, 1857).
Circe margarita Carpenter, 1857b: 81 (*marginata* nom. null. auctt.).
21N-23N: 22N. 20-80 m. +14° +22°C. Recent.

Genus *Halodakra* Olsson, 1961.

Halodakra salmonea (Carpenter, 1864).
Psephidius salmonea Carpenter, 1864c: 539, 611, 641; *Psephidius brunnea* Dall, 1916a: 34 nom. nud.; 1916b: 413.
28N-37N: 33N. 20-100 m. +9° +25°C. Pliocene.

Halodakra subtrigona (Carpenter, 1857).
Circe subtrigona Carpenter, 1857b: 82.
4S-31N: 14N. Intertidal. +16° +32°C. Recent.

Family Kelliellidae Fischer, 1887.
nom. correct. Dall, 1900 pro Kellyellidae.

Genus *Kelliella* M. Sars, 1870.

- Kelliella galathea** Knudsen, 1970.
Kelliella galathea Knudsen, 1970: 110, text-f. 69, 70.
 6N–48N: 27N. 2950–3570 m. +1° +2°C. Recent.
- Superfamily GLOSSACEA Gray, 1847.
nom. transl. Habe, 1951 ex Glossidae.
- Family Vesicomidae Dall, 1908.
nom. correct. Keen, 1969 pro Vesicomysidae.
- Genus *Calyptogena* Dall, 1891.
 Subgenus *Calyptogena s.s.*
- Calyptogena kilmeri*** Bernard, 1974.
Calyptogena (Archivesica) kilmeri Bernard, 1974: 17, text-f 1B, 2B, 3B, 4E.
 45N–53N: 49N. 800–1200 m. +3° +5°C. Recent.
- Calyptogena pacifica*** Dall, 1891.
Calyptogena pacifica Dall, 1891: 190; *C. gibbera* Crickmay, 1929: 43, f. 1; ?*C. panamensis* Olsson, 1942: 185, pl. 2, f. 2, 3.
 34N–58N: 46N. 550–1950 m. +1° +4°C. Pliocene.
- Subgenus *Archivesica* Dall, 1908.
- Calyptogena gigas*** (Dall, 1896).
Callocardia gigas Dall, 1896a: 18.
 27N–52N: 40N. 1550–2605 m. +2° +3°C. Recent.
- Subgenus *Ectenagena* Woodring, 1938.
- Calyptogena elongata*** Dall, 1916.
Calyptogena elongata Dall, 1916a: 25 *nom. nud.*; 1916b: 408 not *Akebi-concha kawamurai elongata* Ozaki, 1958.
 33N. 503 m. +3° +4°C. Recent.
- Calyptogena magnifica*** Boss & Turner, 1980.
Calyptogena (Ectenagena) magnifica Boss & Turner, 1980: 165. f. 1–9, 10F, G, 11, 12D–F, 13.
 1N–21N: 11N. 2445–2680 m. +12° +17°C. Recent.
- Genus *Vesicomys* Dall, 1886.
 Subgenus *Vesicomys s.s.*
- Vesicomys donacia*** Dall, 1908.
Vesicomys donacia Dall, 1908c: 221, 417, pl. 17, f. 9, 13.
 7N. 2320 m. +3° +4°C. Recent.
- Vesicomys lepta*** (Dall, 1896).
Callocardia lepta Dall, 1896a: 17.
 27N–45N: 36N. 850–1570 m. +3° +7°C. Recent.
- Vesicomys ovalis*** (Dall, 1896).
Callocardia ovalis Dall, 1896a: C18.
 6N–53N: 30N. 1190–3070 m. +2° +6°C. Recent.
- Vesicomys stearnsii*** (Dall, 1895).
Callocardia stearnsii Dall, 1895a: 693, 696, text-f 1.
 45N–48N: 47N. 800–2500 m. +2° +3°C. Recent.
- Subgenus *Callogonia* Dall, 1889.
- Vesicomys angulata*** (Dall, 1896).
Callogonia angulata Dall, 1896a: 19.
 7N. 2320–3050 m. +2° +3°C. Recent.
- Vesicomys suavis*** Dall, 1913.
Vesicomys (Archivesica) suavis Dall, 1913: 597.
 25N. 1345 m. +3° +4°C. Recent.
- Superfamily CORBICULACEA Gray, 1847.
nom. transl. Tryon, 1882 ex Corbiculidae.
- Family Corbiculidae Gray, 1847.
nom. correct. Dall, 1889 pro Corbiculadae.
- Genus *Polymesoda* Rafinesque, 1828.⁸⁵
 Subgenus *Polymesoda s.s.*
- Polymesoda acuta*** (Prime, 1861).
Cyrena acuta Prime, 1861b: 355.
 1N. Intertidal. +22° +32°C. Recent.
- Polymesoda convexa* (Deshayes, 1855).⁸⁶
Corbicula convexa Deshayes, 1855: 342.
 23N. Intertidal. Recent.
nom. dub.
- Polymesoda mexicana*** (Broderip & Sowerby, 1829).
Cyrena mexicana Broderip & Sowerby, 1829: 364; *part. C. floridana* *auctt.* not Conrad, 1846 (Caribbean); *C. insignis* Deshayes, 1855: 20; *C. nitidula* Deshayes, 1855: 21; *part. C. bullata auctt.* not Sowerby in Reeve, 1878; *C. fragilis* Sowerby in Reeve, 1878: 20 *Cyrena* pl. 17, sp. 98 (Deshayes MS).
 21N–23N: 22N. Intertidal. +18° +30°C. Recent.
- Polymesoda notabilis*** (Deshayes, 1855).
Cyrena notabilis Deshayes, 1855: 21; *C. pullastra* Mørch, 1861: 194;
Polymesoda (Polymesoda) zeteki Pilsbry, 1931a: 85, pl. 7, f. 2, a.
 3S–10N: 4N. Intertidal. +19° +31°C. Recent.
- Subgenus *Egeta* H. Adams & A. Adams, 1858.
- Polymesoda atilis*** (Gould, 1853).
Cyrena atilis Gould, 1853: 27, pl. 16, f. 5; *C. triangula auctt.* not Philippi, 1849 (Busch MS); *C. fontaineii* Philippi, 1851: 70 not Orbigny, 1844; *C. olivacea* Carpenter, 1857b: 114.
 12N–23N: 18N. Intertidal. +18° +31°C. Recent.
- Polymesoda anomala*** (Deshayes, 1855).
Cyrena anomala Deshayes, 1855: 21; *C. (Anomala) cumingii* Deshayes, 1855: 22; *C. (Anomala) isocardioides* Deshayes, 1855: 22; *C. cardiformis* Sowerby in Reeve, 1876: 20 *Cyrena* pl. 19, sp. 109 (Deshayes MS) (*cordiformis* *nonn. null.*).
 3S–15N: 6N. Intertidal–10 m. +17° +31°C. Pleistocene.
- Polymesoda inflata*** (Philippi, 1851).
Cyrena inflata Philippi, 1851: 71; *C. maritima* C. B. Adams, 1852: 499, 545 not Orbigny, 1842; *C. cordiformis* Recluz, 1853: 251, pl. 7, f. 9 not Deshayes, 1824; *C. peruviana* Deshayes, 1854: 259; *C. dura* Deshayes, 1855: 20; *C. angulata* Deshayes, 1855: 22 not Römer, 1835; *C. inflata* Deshayes, 1855: 23 not Philippi, 1851; *C. panamensis* Prime, 1861a: 40; *C. reclusii* Prime, 1865: 24, f. 19; *C. tumida* Prime, 1865: 26; *C. bullata* Sowerby in Reeve, 1878: 20 *Cyrena* pl. 14, sp. 68; *Polymesoda joseana* Morrison, 1946: 44, pl. 1, f. 12–14.
 5S–17N: 6N. Intertidal–5 m. +19° +31°C. Recent.
- Subgenus *Neocyrena* Crosse & Fischer, 1894.
- Polymesoda boliviana*** (Philippi, 1851).
Cyrena boliviana Philippi, 1851: 70; *C. tribunalis* Prime, 1869: 148 *nom. nud.*; 1870: 300; *C. exquisita* Prime, 1870: 417.
 3S–9N: 3N. Intertidal. +19° +31°C. Recent.
- Polymesoda fontaineii*** (Orbigny, 1844).
Cyelas fontaineii Orbigny, 1844: 569, pl. 83, f. 14, 15; *Cyrena fortis* Prime, 1861b: 355; *C. chilina* Prime, 1870: 418.
 1S–18S: 10S. Intertidal–5 m. +15° +30°C. Recent.
- Polymesoda meridionalis*** (Prime, 1865).
Cyrena meridionalis Prime, 1865: 19, f. 14.
 4S–5S. Intertidal. +19° +30°C. Recent.
- Polymesoda nicaraguana*** (Prime, 1869).
Cyrena nicaraguana Prime, 1869: 146; *part. C. radiata auctt.* not Hanley, 1844 not Parreys in Philippi, 1846 (Atlantic); *C. solida* Philippi, 1846: 78, pl. f. 9 not Dunker, 1843.
 8N–12N: 10N. Intertidal. +25° +30°C. Recent.
- Polymesoda ordinaria*** (Prime, 1865).
Cyrena ordinaria Prime, 1865: 19, f. 15; *C. germana* Prime, 1870: 417.
 20N–22N: 21N. Intertidal. +18° +30°C. Recent.
- Polymesoda triangula*** (Busch, 1849).
Cyrena triangula Busch in Philippi, 1849: 78, pl. 2, f. 3.
 23N. Intertidal. +19° +32°C. Recent.
- Superfamily VENERACEA Rafinesque, 1815.
nom. correct. Menke, 1828 pro Veneridia.
- Family Veneridae Rafinesque, 1815.
nom. transl. et correct. Leach, 1819 ex Veneridia.
- Subfamily Venerinae Rafinesque, 1815.
nom. transl. et correct. Swainson, 1840 ex Veneridia.

Genus *Ameghinomya* Ihering, 1907.

Ameghinomya antiqua (King and Broderip, 1832).

Venus antiqua King and Broderip, 1832: 336; *part. V. grata* auctt. not Say, 1831: *V. discrepans* Broderip & Sowerby, 1833: 22, *V. costellata* Broderip & Sowerby, 1835: 42; *V. mactracea* Broderip & Sowerby, 1835: 44; *V. agrestis* Philippi, 1845b: 54; *V. alvarezii* Orbigny, 1846: 557, pl. 83, f. 3, f; *V. cineracea* Hupé in Gay, 1854: 334, pl. 6, f. 2; *V. darvini* Philippi, 1887: 122, pl. 17, f. 2 not Dunker in Römer, 1857.

South Atlantic.

33S–54S: 44S. Intertidal–5 m. +4° +20°C. Pliocene.

Genus *Dosinia* Gray, 1835.

Subgenus *Dosinia s.s.*

Dosinia dunkeri (Philippi, 1844).

Cytherea dunkeri Philippi, 1844: 170, pl. 2, f. 5; *Artemis simplex* Hanley, 1845a: 11 not Adams, 1855; *C. (Artemis) angulosa* Philippi, 1847: 229.

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3S–25N: 11N. Intertidal–55 m. +14° +30°C. Pliocene.

Dosinia ponderosa (Schumacher, 1817).

Cytherea ponderosa Schumacher, 1817: 150; *C. ponderosa* Koch in Philippi, 1844: 149; *Arthemis ponderosa* Gray, 1838: 309; *part. Venus concentrica* auctt. not Born, 1778 (Caribbean); *Cytherea gigantea* Philippi, 1844: 171 (Sowerby MS) not Lamarck, 1818; *Venus cycloides* Orbigny, 1845: 562; *Artemis distans* Sowerby, 1851: 657, pl. 140, f. 3 not *Venus distans* Orbigny, 1851; *Dosinia grandis* Nelson, 1870: 201; ?*D. (Dosinidia) titan* Maury, 1925: 139, pl. 24, f. 12, pl. 25, f. 3.

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5S–28N: 12N. 50–80 m. +14° +28°C. Recent.

Dosinia semiobliterata Deshayes, 1853.

Dosinia semiobliterata Deshayes in Gray, 1853: 6; *D. annae* Carpenter, 1857b: 61; *Artemis nanus* Reeve, 1850: 9 *Artemis* pl. 10, sp. 57. 9N–23N: 16N. Depth unknown. Recent.

Genus *Periglypta* Jukes-Browne, 1914.

Periglypta multicosata (Sowerby, 1835).

Venus multicosata Sowerby, 1835: 22; *V. thouarsi* Valenciennes in Petit-Thouars, 1846: pl. 16, f. 1. 6S–27N: 11N. Intertidal–5 m. +19° +31°C. Pleistocene.

Genus *Ventricolaria* Keen, 1954.

Ventricolaria fordii (Yates, 1890).

Venus fordii Yates, 1890: 46, pl. 1, f. 1–5; *part. V. toreuma* auctt. not Gould, 1850 (Indo-Pacific). 28N–37N: 33N. 10–70 m. +11° +27°C. Pleistocene.

Ventricolaria isocardia (Verrill, 1870).

Venus isocardia Verrill, 1870: 221; *part. V. reticulata* auctt. not Linné, 1758 (Indo-Pacific); *part. V. rigida* auctt. not Dillwyn, 1867 (Atlantic). 3N–28N: 16N. 20–110 m. +16° +30°C. Pliocene.

Ventricolaria lepidoglypta (Dall, 1902).⁸⁷

Cytherea foveolata lepidoglypta Dall, 1902d: 390, pl. 15, f. 4, 5. Extralimital.

Ventricolaria magdalenae (Dall, 1902).

Cytherea (Ventricola) magdalenae Dall, 1902d: 390, 403, pl. 15, f. 6; *part. Venus toreuma* auctt. not Gould, 1850 (Indo-Pacific). 25N–27N: 26N. 60–80 m. +15° +25°C. Recent.

Subfamily Circinae Dall, 1896.

Genus *Gouldia* C. B. Adams, 1847.

Subgenus *Gouldia s.s.*

Gouldia californica Dall, 1917.

Gouldia californica Dall, 1917a: 579; *Gafrarium (Gouldia) stephensae* Jordan, 1936: 136, pl. 19, f. 10. 11.

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8N–26N: 17N. 80–160 m. +11° +24°C. Recent.

Subfamily Chioninae Frizzell, 1936.

nom. transl. Keen, 1951 ex Chionidae.

Genus *Chione* Megerle, 1811.

Subgenus *Chione s.s.*

Chione californiensis (Broderip, 1835).⁸⁸

Venus californiensis Broderip, 1835: 43; *V. succincta* Valenciennes in Humboldt & Bonpland, 1832: 219, pl. 48, f. la-c not Linné, 1771; *V. leucodon* Sowerby, 1835: 43; *V. nuttalli* Conrad, 1837: 250, pl. 19, f. 15; *part. V. californiana* auctt. not Conrad, 1837; *V. lamellifera* Conrad, 1849: 724, pl. 17, f. 12; *V. brevilineata* Conrad, 1849a: 724, pl. 17, f. 13; *Chione (Chione) californiensis gealeyi* Parker, 1949: 580, pl. 89, f. 13, pl. 90, f. 7, 10; *C. (C) californiensis durhami* Parker, 1949: 581, pl. 90, f. 3; *C. (C) californiensis peabodyi* Parker, 1949: 581, pl. 90, f. 1, f. 5, 11. 17N–34N: 26N. Intertidal–80 m. +11° +32°C. Miocene.

Chione compta (Broderip, 1835).

Venus compta Broderip, 1835: 43; *V. neglecta* Gray in Beechey, 1839: 151, pl. 41, f. 8 not Sowerby, 1839; *Chione meridionalis* Oldroyd, 1921: 93, pl. 4 not *Venus meridionalis* Sowerby, 1846.

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6S–28N: 11N. 20–30 m. +15° +29°C. Recent.

Chione guatulcoensis Hertlein & Strong, 1948.

Chione (Chione) guatulcoensis Hertlein & Strong, 1948: 182, pl. 1, f. 2. 9N–16N: 13N. 5–20 m. +21° +30°C. Recent.

Chione subimbricata (Sowerby, 1835).

Venus subimbricata Sowerby, 1835: 21. 5S–28N: 12N. Intertidal–10 m. +19° +32°C. Pleistocene.

Chione tumens Verrill, 1870.

Chione tumens Verrill, 1870: 22. 27N–28N. Intertidal–10 m. +16° +31°C. Pliocene.

Chione undatella (Sowerby, 1835).

Venus undatella Sowerby, 1835: 22; *V. subrostrata* auctt. not Lamarck, 1818 (Atlantic); *V. californiana* Conrad, 1837: 251; *part. V. neglecta* auctt. not Sowerby, 1839; not Gray in Beechey, 1839; *V. entobapta* Jonas, 1845: 66; *V. perdix* Valenciennes in Petit-Thouars, 1846: pl. 16, f. 2, a; *V. simillima* Sowerby, 1853: 708, pl. 153, f. 17; *V. (Chione) excavata* Carpenter, 1856a: 216; *V. bilineata* Reeve, 1863: 14 *Venus* pl. 22, sp. 105a, b. 5S–34N: 14N. Intertidal–90 m. +11° +30°C. Pleistocene.

Subgenus *Chionista* Keen, 1958.

Chione cortezi (Carpenter, 1864).

Venus cortezi Carpenter, 1864c: 570 (Sloat MS); *part. Chione gibbosula* auctt. not Reeve, 1863 (Deshayes MS) not *Venus gibbosula* Carpenter, 1864 (Deshayes MS). 25N–32N: 29N. Intertidal. +17° +32°C. Pleistocene.

Chione fluctifraga (Sowerby, 1835).

Venus fluctifraga Sowerby, 1835: 712, pl. 154, f. 42, 43; *V. callosa* auctt. not Lamarck, 1805 not *Cytherea callosa* Conrad, 1837; *V. sugillata* Reeve, 1863: 14 *Venus* pl. 13, sp. 43 not *Cytherea sugillata* Jonas, 1846; *V. gibbosula* Carpenter, 1864c: 570 (Deshayes MS) not *Chione gibbosula* Reeve, 1863 (Deshayes MS). 28N–34N: 31N. Intertidal–25 m. +9° +27°C. Recent.

Chione gnidia (Broderip & Sowerby, 1829).

Venus gnidia Broderip & Sowerby, 1829: 364. 6S–32N: 13N. Intertidal–35 m. +14° +27°C. Pleistocene.

Subgenus *Chionopsis* Olsson, 1932.

Chione amathusia (Philippi, 1844).

Venus amathusia Philippi, 1844: 129; *Chione variabilis* Nelson, 1870: 202. 4S–27N: 12N. 50–75 m. +16° +26°C. Recent.

Chione crenifera (Sowerby, 1835).

Venus crenifera Sowerby, 1835: 43; *part. V. portesiana* auctt. not Orbigny, 1846; *V. eximia* Philippi, 1847: 90 not Forbes, 1846. 1S–5S: 2S. 15–50 m. +14° +28°C. Recent.

Chione jamaniana Pilsbry & Olsson, 1941.

Chione jamaniana Pilsbry & Olsson, 1941: 63, pl. 17, f. 1, 2. 0–5S: 2S. 10–20 m. +22° +29°C. Pliocene.

- Chione montezuma*** Pilsbry & Lowe, 1932.
Chione montezuma Pilsbry & Lowe, 1932: 101, pl. 15, f. 12–14; *part.*
Venus pulicaria *auctt.* not Broderip, 1835.
 8N–10N: 9N. 5–20 m. +19° +29°C. Recent.
- Chione olssoni*** (Fischer-Piette, 1969).
Chinopsis olssoni Fischer-Piette 1969: 1013, pl. 2, f. 17–19.
 0–1S. Depth not known. Recent.
- Chione ornatissima*** (Broderip, 1835).
Venus ornatissima Broderip, 1835: 44; *Chione traftoni* Pilsbry & Olsson,
 1941: 61, pl. 16, f. 4.
 2S–9N: 4N. 10–30 m. +18° +29°C. Pliocene.
- Chione pulicaria*** (Broderip, 1835).
Venus pulicaria Broderip, 1835:44; *V. cingulata* *auctt.* not Lamarck,
 1818; *V. pinacatensis* Carpenter, 1864c: 569 (Sloat *MS*) *nom. nud.*
 2N–27N: 13N. Intertidal–20 m. +12° +30°C. Pleistocene.
- Chione purpurissata*** Dall, 1902.
Chione purpurissata Dall, 1902d: 393 (*purpurascens* *nom. van. auctt.*);
Venus crenulata lilacina Carpenter, 1864c: 570 not *V. lilacina* Voigt in
 Cuvier, 1834 not *Chione lilacina* Gray, 1838.
 14N–27N: 21N. 10–30 m. +17° +29°C. Recent.
- Subgenus *Iliochione* Olsson, 1961.
- Chione broggi*** (Pilsbry & Olsson, 1943).
Anomalocardia broggi Pilsbry & Olsson, 1943: 78, pl. 8, f. 7.
 4S–33S: 18S. Intertidal–5 m. +13° +30°C. Pleistocene.
- Chione subrugosa*** (Wood, 1828).
Venus subrugosa Wood, 1828: 5, pl. 2, f. 6 not Bronn, 1831.
 Galapagos Islands.
 3S–29N: 13N. Intertidal. +17° +31°C. Pleistocene.
- Subgenus *Lirophora* Conrad, 1863.
- Chione discrepans*** (Sowerby, 1835).
Venus discrepans Sowerby, 1835:22 not Philippi, 1853.
 17S–23N: 3N. 20–80 m. +11° +29°C. Recent.
- Chione inflata*** (King & Broderip, 1832).
Venus inflata King & Broderip, 1832: 336.
 54S. Depth unknown. Recent.
- Chione kellestii*** (Hinds, 1845).
Venus kellestii Hinds, 1845: 65, pl. 19, f. 5.
 5S–28N: 12N. 45–75 m. +17° +29°C. Pliocene.
- Chione mariae*** (Orbigny, 1846).
Venus mariae Orbigny, 1846: 563; *V. cypria* Sowerby, 1835: 43 not
 Brocchi, 1814 not Risso, 1826.
 Galapagos Islands.
 5S–28N: 12N. 20–110 m. +15° +28°C. Pliocene.
- Chione obliterata*** Dall, 1902.
Chione (Lirophora) obliterata Dall, 1902d: 394, 405, pl. 16, f. 2.
 9N–19N: 14N. 20–45 m. +16° +30°C. Recent.
- Chione peruviana*** (Sowerby, 1835).
Venus peruviana Sowerby, 1835: 22.
 12S–20S: 16S. Intertidal. +14° +30°C. Recent.
- Chione schottii* Dall, 1902.⁸⁹
Chione (Lirophora) schottii Dall, 1902d: 395, 404, pl. 16, f. 7.
 Extralimital.
- Subgenus *Timoclea* Brown, 1827.
- Chione effeminata*** (Stearns, 1891).
Venus effeminata Stearns, 1891:221, pl. 17, f. 1, 2.
 9N. Depth unknown. Recent.
- Chione picta*** Willett, 1944.
Chione (Nioche) picta Willett, 1944: 20, pl. 8, f. a, b. (Dall *MS*).
 17N–29N: 23N. Intertidal–50 m. +18° +31°C. Pleistocene.
- Chione squamosa*** (Carpenter, 1857).
Tapes squamosa Carpenter, 1857b: 78; *Venus troglodytes* Mørch, 1861:
 197.
 5S–29N: 12N. 10–50 m. +16° +28°C. Pleistocene.
- Sensu lato.*
- Chione distans*** (Philippi, 1851).
Venus distans Philippi, 1851: 126. *nom. dub.*
 9N. Recent.
- Chione spurca*** (Sowerby, 1835).
Venus spurca Sowerby, 1835: 23. *nom. dub.*
 33S. Recent.
- Chione undatostrata* (Orcutt & Dall, 1885).
Cytherea undatostrata Orcutt & Dall, 1885: 548 (Carpenter *MS*) *nom. nud.*
- Genus ***Humilaria*** Grant & Gale, 1931.
- Humilaria kenneleyi*** (Reeve, 1863).
Venus kenneleyi Reeve, 1863: 14 *Venus* pl. 12, sp. 41 (Carpenter *MS*).
 37N–60N: 48N. Intertidal–45 m. +2° +14°C. Pliocene.
- Genus ***Irusella*** Hertlein & Grant, 1972.
- Irusella lamellifera*** (Conrad, 1837).
Venus lamellifera Conrad, 1837:251, pl. 19, f. 19 not Conrad, 1849; *V.*
cordieri Deshayes, 1839: 358, pl. 18; *Irus lamellifer prelamellifer* Grant
 & Gale, 1931: 332, pl. 18, f. 7.
 33N–38N: 36N. Intertidal–60 m. +11° +22°C. Miocene.
- Genus ***Mercenaria*** Schumacher, 1817.
- Mercenaria apodema* (Dall, 1902).⁹⁰
Venus apodema Dall, 1902d: 396, 406, pl. 15, f. 8.
 Extralimital.
- Mercenaria kennecottii* Dall, 1871.⁹¹
Mercenaria kennecottii Dall, 1871: 147, pl. 16, f. 1 (Dall *MS*).
 Extralimital.
- Mercenaria mercenaria*** (Linné, 1758).⁹²
Venus mercenaria Linné, 1758: 686; *Mercenaria violacea* Schumacher,
 1817: 135.
 Introduced from Atlantic.
 40N. Intertidal. Recent.
- Genus ***Protothaca*** Dall, 1902.
- Subgenus *Protothaca s.s.*
- Protothaca laciniata*** (Carpenter, 1864).
Tapes laciniata Carpenter, 1864c: 540, 571, 641.
 32N–37N: 35N. Intertidal–15 m. +8° +27°C. Pleistocene.
- Protothaca staminea*** (Conrad, 1837).
Venus staminea Conrad, 1837: 250; (*straminea* *nom. null. auctt.*); *V.*
pectunculoides Valenciennes in Petit-Thouars, 1846: pl. 16, f. 3; *V.*
rigida Gould, 1850: 277 not Dillwyn, 1811 (Caribbean); *Venerupis*
petitii Deshayes, 1839: 359; *Chione ruderata* Deshayes, 1853: 136;
Tapes diversa Sowerby, 1855: 697, pl. 147, f. 41; *T. tumida* Carpenter,
 1856a: 214 (Conrad *MS*) not Sowerby, 1853; *Venus dispar* Carpenter,
 1857a: 196 (Gould *MS*) *nom. nud.*; *V. ampliata* Carpenter, 1857a: 213,
 305, 348 (Gould *MS*); *V. mundulus* Reeve, 1863: 14 *Venus* pl. 14, sp. 51;
Paphia staminea orbella Carpenter, 1864c: 641; *Leukoma conradi* Röm-
 er, 1867: 40; *Paphia (Protothaca) staminea sulculosa* Dall, 1902d: 399,
 406, pl. 14, f. 2; *Protothaca growingkii* Dall, 1904a: 116; *P. staminea*
spatiosa Dall, 1916a: 34 *nom. nud.*; 1916b: 413.
 23N–60N: 42N. Intertidal–10 m. +2° +27°C. Miocene.
- Protothaca thaca*** (Molina, 1782).
Chama thaca Molina, 1782: 178 (*Cama* *nom. null.*); *Venus dombei*
 Lamarck, 1818: 590; *V. chilensis* Sowerby, 1835: 41 not Orbigny, 1842;
V. ignobilis Philippi, 1844: 176, pl. 3, f. 4; *V. rodriguezii* Philippi, 1887:
 125, pl. 20, f. 6.
 12S–45S: 29S. Intertidal–50 m. +5° +26°C. Pleistocene.
- Subgenus *Antinioche* Olsson, 1961.
- Protothaca beili*** (Olsson, 1961).
Nioche (Antinioche) beili Olsson, 1961: 310, pl. 50, f. 1a,b, 4; *part.*
Venus antiqua *auctt.* not King & Broderip, 1832.
 1S–10N: 5N. Intertidal. +20° +33°C. Recent.
- Subgenus *Callithaca* Dall, 1902.
- Protothaca tenerrima*** (Carpenter, 1857).
Tapes tenerrima Carpenter, 1857a: 200; *part. Venus rigida* *auctt.* not
 Dillwyn, 1817 (Caribbean) not Gould, 1850; *Paphia (Callithaca) tenneri-*

- ma alta* Waterfall, 1929: 85, pl. 6, f. 1; *P. restorationensis* Frizzel, 1930: 120.
30N–54N: 42N. Intertidal–10 m. +4° +19°C. Pliocene.
- Subgenus *Colonche* Olsson, 1961.
- Protothaca ecuadoriana*** (Olsson, 1961).
Colonche ecuadoriana Olsson, 1961: 311, pl. 41, f. 5.
3S–2N: 0. Intertidal. +18° +32°C. Recent.
- Subgenus *Leukoma* Römer, 1857.
- Protothaca asperrima*** (Sowerby, 1835).
Venus asperrima Sowerby, 1835: 42; *part. V. granulata auctt.* not Gmelin, 1791 (Caribbean); *part. V. pectorina auctt.* not Lamarck, 1818 (Caribbean); *V. histrionica* Sowerby, 1835: 41; *V. intersecta* Sowerby, 1855: 714, pl. 155, f. 59, 60.
- Galapagos Islands.
- 5S–28N: 11N. Intertidal. +16° +31°C. Recent.
- Protothaca keenae*** Soot-Ryen, 1957.
Chione (Nioche) keenae Soot-Ryen, 1957: 5; Soot-Ryen, 1959: 56, pl. 3, f. 24, 25 (redescription).
43S. 8 m. +8° +27°C. Recent.
- Protothaca metodon*** (Pilsbry & Lowe, 1932).
Chione metodon Pilsbry & Lowe, 1932: 100, 101, pl. 15, f. 7–11.
8N–28N: 18N. Intertidal–15 m. +20° +32°C. Recent.
- Protothaca mcgintyi*** (Olsson, 1961).
Nioche (Nioche) mcgintyi Olsson, 1961: 309, pl. 52, f. 2, a.
9N. Intertidal. +21° +32°C. Recent.
- Protothaca subaequilateralis*** (Fischer-Piette, 1969).
Nioche (Nioche) subaequilateralis Fischer-Piette, 1969: 1016, pl. 3, f. 27–30.
1N. Depth unknown. Recent.
- Protothaca zorrītensis*** (Olsson, 1961).
Nioche (Nioche) zorrītensis Olsson, 1961: 308, pl. 53, f. 5, a, pl. 55, f. 6.
- Galapagos Islands.
- 4S–5S. Intertidal. +15° +31°C. Pliocene.
- Subgenus *Notochione* Hertlein & Strong, 1948.
- Protothaca columbiensis*** (Sowerby, 1835).
Venus columbiensis Sowerby, 1835: 21 (*columbiensis nom. van. auctt.*); *part. V. dombeyi auctt.* not Lamarck, 1818.
5S–23N: 9N. Intertidal. +21° +32°C. Pleistocene.
- Subgenus *Tropithaca* Olsson, 1961.
- Protothaca grata*** (Say, 1831).
Venus grata Say, 1831: 177, pl. 26 (*gratus nom. van. auctt.*); *V. tricolor* Sowerby, 1835: 41; *V. fuscolineata* Sowerby, 1835: 41; *V. discors* Sowerby, 1835: 42; *V. neglecta* Philippi, 1844: 62, pl. 4, f. 2 not Sowerby in Gray, 1839; *part. V. pectunculoides* Valenciennes in Petit-Thouars, 1846: pl. 16, f. 3; *V. muscaria* Reeve, 1863: 14 *Venus* pl. 15, sp. 60.
- Galapagos Islands.
- 20S–27N: 4N. Intertidal–400 m. +14° +22°C. Pleistocene.
- Protothaca pertincta*** (Dall, 1902).
Chione (Timoclea) pertincta Dall, 1902d: 396, 403, pl. 16, f. 9; *part. V. grata auctt.* not Say, 1831.
- Galapagos Islands.
- 2S–0. Intertidal–5 m. +15° +32°C. Pleistocene.
- Genus *Tawera* Marwick, 1927.
- Tawera gayi*** (Hupé, 1854).
Venus gayi Hupé in Gay, 1854: 337, pl. 6, f. 5; *Chione fuegiensis* E. A. Smith, 1905: 336; ?*C. panpeana* Ihering, 1907: 454, pl. 18, f. 125.
- South Atlantic.
- 33S–54S: 44S. 80–150 m. +3° +20°C. Recent.
- Subfamily Meretricinae Gray, 1847.
nom. correct. Fischer, 1887 *pro* Meretricina.
- Genus *Meretrix* Lamarck, 1799.
- Meretrix lusoria* (Röding, 1798).⁹³
Venus lusoria Röding, 1798: 180.
Introduced from Japan, not established.
- Genus *Tivela* Link, 1807.
- Subgenus *Tivela s.s.*
- Tivela argentina*** (Sowerby, 1835).
Cytherea argentina Sowerby, 1835: 46; *C. aequilatera* Deshayes, 1839: 358.
2S–31N: 15N. Intertidal. +18° +33°C. Recent.
- Tivela byronensis*** (Gray, 1838).
Trigona byronensis Gray, 1838: 304; *part. Cytherea petechialis auctt.* not Lamarck, 1818 (*petechialis nom. null. auctt.*); *part. C. corbicula auctt.* not Lamarck, 1818; *part. C. nitidula* Lamarck, 1819 (Mediterranean); *Venus solangensis* Orbigny, 1846: 564; *Cytherea semifulva* Menke, 1847: 190; *Mactra pulla* Philippi, 1848: 152; *Cytherea intermedia* Sowerby, 1851: 612, pl. 128, f. 35; *C. gracilior* Sowerby, 1851: 615, pl. 128, f. 32; *Tivela elegans* Verrill, 1870: 220; *part. Mactra pencana auctt.* not Philippi, 1893; *M. calbucana* Philippi, 1893: 9, pl. 2, f. 5; *M. coquimbana* Philippi, 1893: 10, pl. 2, f. 7a, b.
- Galapagos Islands.
- 4S–30N: 13N. Intertidal–75 m. +14° +32°C. Pleistocene.
- Tivela delessertii*** (Sowerby, 1854).
Cytherea delessertii Sowerby, 1854: 785 (Deshayes MS); *part. C. nitidula auctt.* not Lamarck, 1818; *C. (Tivela) arguta* Römer, 1860: 148; ?*Tivela marginata* “Carpenter” Berry, 1907: 20 *nom. nud.*
9N–27N: 18N. Intertidal–20 m. +19° +31°C. Recent.
- Tivela hindsii*** (Hanley, 1844).
Cytherea hindsii Hanley, 1844c: 110.
3S–17N: 7N. Intertidal–25 m. +19° +32°C. Recent.
- Tivela lineata*** (Sowerby, 1851).
Cytherea lineata Sowerby, 1851: 616, pl. 128, f. 26.
9N. Intertidal. +25° +33°C. Recent.
- Subgenus *Pachydesma* Conrad, 1854.
- Tivela stultorum*** (Mawe, 1823).
Donax stultorum Mawe, 1823: 37, 40, pl. 9, f. 7 not *Trigona stultorum* Gray, 1838 not *Cytherea stultorum* Menke, 1847; *part. Trigona mac-triodes auctt.* not Born, 1778 (Caribbean); *Cytherea (Trigonella) crassatelloides* Conrad, 1837: 253, pl. 19, f. 17; *C. solidissima* Philippi, 1851: 100; *C. (Tivela) crassatelloides pauciradiata*: 373; *multiradiata*: 373; *alternata*: 373; *eccentrica*: 373; *serialis*: 374; *interrupta*: 374; *luteobrunnea*: 374; *uniradiata*: 374; *biradiata*: 374; *triradiata*: 375; *ochracea*: 375; *purpureochocolata*: 375; *biserialis*: 375; *triserialis*: 376; *aurora*: 376; *duplicata*: 376, all Stearns, 1899.
25N–37N: 31N. Intertidal–5 m. +8° +24°C. Pliocene.
- Subgenus *Planitivela* Olsson, 1961.
- Tivela lessonii*** (Deshayes, 1830).
Donax lessonii Deshayes, 1830: 99 not Potiez and Michaud, 1844 (not Moluccas); *Donax hians* Philippi, 1851: 74; *part. Cytherea planulata auctt.* not Broderip and Sowerby, 1830.
12S–30S: 21S. Intertidal–10 m. +11° +27°C. Pleistocene.
- Tivela nucula*** (Philippi, 1849).
Cytherea nucula Philippi, 1849: 144; *part. C. planulata auctt.* not Broderip & Sowerby, 1830.
18S–30S: 24S. Intertidal. +11° +22°C. Recent.
- Tivela planulata*** (Broderip & Sowerby, 1830).
Cytherea planulata Broderip & Sowerby, 1830: 48; *C. mactroides* Lamarck, 1818: 567 not Born 1778; *C. planulata suffusa* Sowerby, 1835: 46; *C. undulata* Sowerby, 1851: 618, pl. 127, f. 62.
4S–27N: 12N. Intertidal–20 m. +16° +32°C. Pleistocene.
- Genus *Transennella* Dall, 1884.
- Subgenus *Transennella s.s.*

Transennella caryonautes Berry, 1963.

Transennella caryonautes Berry, 1963: 141; *part. Cytherea modesta* auctt. not Sowerby, 1835.
23N. 20–150 m. +16° +26°C. Recent.

Transennella galapagana Hertlein & Strong, 1939.

Transennella galapagana Hertlein & Strong, 1939: 378, pl. 32, f. 1–3, 6, 7.

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1S. Intertidal. +18° +29°C. Recent.

Transennella humilis (Carpenter, 1857).

Trigona humilis Carpenter, 1857b: 246.
23N–24N. Intertidal–5 m. +20° +32°C. Recent.

Transennella modesta (Sowerby, 1835).

Cytherea modesta Sowerby, 1835:47 not *Venus modesta* Dubois, 1831 *nom. nud.* not *Cytherea modesta* Philippi, 1845; *Venus cumingii* Orbigny, 1846: 563; *Transennella sororcula* Pilsbry & Lowe, 1932: 102, pl. 9, f. 12–16; *part. T. caryonautes* auctt. not Berry, 1963.

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4S–27N: 12N. 50–90 m. +14° +26°C. Recent.

Transennella omissa (Pilsbry & Lowe, 1932).

Macrocallista (Chionella) omissa Pilsbry & Lowe, 1932: 102, pl. 17, f. 13–16.
11N. Intertidal. +24° +32°C. Recent.

Transennella pannosa (Sowerby, 1835).

Cytherea pannosa Sowerby, 1835:47; *C. lutea* Koch in Philippi, 1845: 199; *part. Callista pannosa puella* auctt. not Carpenter, 1864.
12S–30S: 21S. Intertidal–50 m. +12° +29°C. Pleistocene.

Transennella puella (Carpenter, 1864).

Callista pannosa puella Carpenter, 1864b: 312; *part. Cytherea pannosa* Sowerby, 1835.
12N–29N: 21N. 40–120 m. +13° +28°C. Recent.

Sensu lato.

Transennella tantilla (Gould, 1853).

Venus tantillus Gould, 1853: 406, pl. 15, f. 10; *part. Trigona humilis* auctt. not Carpenter, 1857b; *Venus rhysonia* Gabb, 1861: 369; *Psephidia barbarensis* Arnold, 1907b: 440, pl. 58, f. 3; *Transennella californica* Arnold, 1910: 72, pl. 26, f. 7a; *Psephidia cymata* auctt. not Dall, 1913.
28N–60N: 44N. Intertidal–120 m. +4° +20°C. Pliocene.

Subfamily Pitarinae Stewart, 1930.

Genus *Amiantis* Carpenter, 1864.

Amiantis callosa (Conrad, 1837).

Cytherea callosa Conrad, 1837: 252 not *prooc. Venus callosa* Lamarck, 1805; *C. nobilis* Reeve, 1850: 126; *Pitaria stalderi* Clark, 1915: 468, pl. f. 5, 6; *Antigona willisi* Trask, 1922: 152, pl. 5, f. 2a, b.
23N–35N: 29N. 1–20 m. +9° +27°C. Miocene.

Amiantis lubrica (Broderip, 1835).⁹⁴

Cytherea lubrica Broderip, 1835: 44.
Extralimital.

Genus *Megapitaria* Grant & Gale, 1931.

Megapitaria aurantiaca (Sowerby, 1831).

Cytherea aurantiaca Sowerby, 1831: 196, f. 3 (*aurantia* *nom. van. auctt.*).

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3S–31N: 14N. Intertidal–10 m. +15° +32°C. Pliocene.

Megapitaria squalida (Sowerby, 1835).

Cytherea squalida Sowerby, 1835: 23; *C. biradiata* Sowerby, 1839: 151, pl. 43, f. 5 not Stearns, 1899; *C. chionaea* Menke, 1847: 190.

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4S–31N: 14N. Intertidal–160 m. +16° +32°C. Pliocene.

Genus *Pitar* Römer, 1857.

Subgenus *Pitar s.s.*

Pitar berryi Keen, 1971.

Pitar (Pitar) berryi Keen, 1971: 168, f. 397.
21N–23N: 22N. 15–40 m. +18° +27°C. Recent.

Pitar consanguineus (C. B. Adams, 1852).

Cytherea consanguinea C. B. Adams, 1852: 496.

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1S–16N: 8N. Intertidal–60 m. +14° +32°C. Recent.

Pitar elenensis (Olsson, 1961).

Pitar (Pitar) elenensis Olsson, 1961: 275, pl. 45, f. 1a, b.
4S–7N: 2N. 2–25 m. +19° +32°C. Recent.

Pitar fluctuatus (Sowerby, 1851).

Cytherea fluctuata Sowerby, 1851: 634, pl. 136, f. 185, 186.
2S–7N: 2N. Intertidal–10 m. +19° +32°C. Recent.

Pitar helenae Olsson, 1961.

Pitar (Pitar) helenae Olsson, 1961: 276, pl. 45, f. 2, a; *part. Circe newcombianus* auctt. not Gabb, 1865.
8N–26N: 17N. 20–50 m. +18° +29°C. Recent.

Pitar hoffstetteri Fischer-Piette, 1969.

Pitar (Pitar) hoffstetteri Fischer-Piette, 1969: 1003, f. 10, 11.

Galapagos Islands.

0 Depth unknown. Recent.

Pitar ida (Tegland, 1928).⁹⁵

Pitaria ida Tegland, 1928: 4, pl. 1, f. 1–4.
Extralimital.

Pitar inconspicuus (Sowerby, 1835).

Cytherea inconspicua Sowerby, 1835: 47.
16S–37S: 27S. 10–25 m. +10° +28°C. Recent.

Pitar newcombianus (Gabb, 1865).

Circe (Lioconcha) newcombiana Gabb, 1865: 189.
16N–37N: 27N. 45–220 m. +10° +25°C. Miocene.

Pitar perfragilis Pilsbry & Lowe, 1932.

Pitar perfragilis Pilsbry & Lowe, 1932: 100, pl. 17, f. 10, 11, 12; *part. Pitaria tomeana* auctt. not Dall, 1902.
11N. Depth not known. Recent.

Pitar rostratus (Philippi, 1844).

Cytherea rostrata Philippi, 1844: 150, pl. 1, f. 3 (Koch MS); *C. patagonica* Philippi, 1844: 109 not *Venus patagonica* Orbigny, 1842; *part Venus tehuelcha* auctt. not Orbigny, 1846.

South Atlantic.

41S–55S: 48S. 10–40 m. +2° +15°C. Pleistocene.

Pitar tomeanus (Dall, 1902).

Pitaria tomeana Dall, 1902d: 387, 402, pl. 15, fd. 2; *part. Pitar perfragilis* auctt. non Pilsbry & Lowe, 1932.
18S–32S: 25S. 15–40 m. +14° +25°C. Recent.

Subgenus *Hyphantosoma* Dall, 1902.

Pitar aletes Hertlein & Strong, 1948.

Pitar (Hyphantosoma) aletes Hertlein & Strong, 1948: 172, pl. 1, f. 9, 11–13.
10N–28N: 19N. 75–110 m. +14° +19°C. Recent.

Pitar hertleini Olsson, 1961.

Pitar (Hyphantosoma) hertleini Olsson, 1961: 276, pl. 45, f. 6, a; *part. Callista pollicaris* auctt. not Carpenter, 1864.
5S–8N: 2N. Depth unknown. Recent.

Pitar pollicaris (Carpenter, 1864).

Callista pollicaris Carpenter, 1864b: 312; *Dione prora* auctt. not Conrad, 1837 (Hawaii); *part. Venus obliquata* auctt. not Hanley, 1844 (Western Pacific).
26N–29N: 28N. Intertidal–15 m. +20° +32°C. Pleistocene.

Subgenus *Hysteroconcha* Dall, 1902.

Pitar brevispinosus (Sowerby, 1851).

Cytherea brevispinosus Sowerby, 1851: 632, pl. 132, f. 609 (*brevispina* *nom. van. auctt.*).
1S–26N: 13N. 5–30 m. +20° +30°C. Recent.

- Pitar lupanaria** (Lesson, 1830).
Cytherea lupanaria Lesson, 1830: 196, pl. 64 (*lupinaria*, *lupinarius* nom. null. auctt.); part. *Venus dione* auctt. not Linné, 1758 (Atlantic) (*dronea*, *dionacea* nom. null. auctt.); part. *V. radiata* auctt. not Perry, 1811 not Schroeter, 1802; *Cytherea semilamellosa* Delessert, 1841: pl. 9, f. 9 not Gaudichaud, 1863; *Dione exspinata* Reeve, 1863: 14 *Dione* pl. 6, sp. 24.
 5S–31N: 13N. Intertidal–30 m. +17° +31°C. Pleistocene.
- Pitar multispinosus** (Sowerby, 1851).
Cytherea multispinosa Sowerby, 1851: 632, pl. 132, f. 112; *Callista longispina* Mørch, 1861: 196.
 4S–26N: 11N. 2–15 m. +18° +30°C. Recent.
- Pitar roseus** (Broderip & Sowerby, 1829).
Cytherea rosea Broderip & Sowerby, 1829: 364; part. *C. lepida* auctt. not Chenu, 1847.
 8N–27N: 18N. 50–75 m. +17° +28°C. Recent.
- Subgenus *Lamelliconcha* Dall, 1902.
- Pitar alternatus** (Broderip, 1835).
Cytherea alternata Broderip, 1835b: 45; part. *C. circinatus* auctt. not Born, 1778 (Caribbean); *Dione pura* Deshayes, 1853: 68.
 4S–31N: 13N. Intertidal–55 m. +17° +31°C. Pleistocene.
- Pitar callicomatus** (Dall, 1902).
Pitaria (Lamelliconcha) callicomata Dall, 1902d: 389, 402, pl. 16, f. 8.
 1N–17N: 8N. 25–110 m. +17° +28°C. Recent.
- Pitar concinnus** (Sowerby, 1835).
Cytherea concinna Sowerby, 1835: 23; *C. suppositrix* Menke, 1850: 145; *Callista acuticostata* auctt. not Gabb, 1873.
 5S–29N: 12N. Intertidal–75 m. +17° +32°C. Recent.
- Pitar frizzelli** Hertlein & Strong, 1948.
Pitar (Lamelliconcha) frizzelli Hertlein & Strong, 1948: 176, pl. 1, f. 1, 5, 7, pl. 2, f. 11.
 25N–27N: 26N. 80–110 m. +18° +27°C. Recent.
- Pitar hesperius** Berry, 1960.
Pitar (Lamelliconcha) hesperius Berry, 1960: 115.
 23N. 15–40 m. +18° +29°C. Recent.
- Pitar paytensis** Orbigny, 1845.
Venus paytensis Orbigny, 1845: 565; *Cytherea affinis* Broderip, 1835b: 45 not *Venus affinis* Gmelin, 1789; *Pitar (Lamelliconcha) salanga* Pilsbry & Olsson, 1941: 61, pl. 15, f. 10, 11.
 5S–26N: 11N. 5–40 m. +18° +30°C. Pliocene.
- Pitar tortuosus** (Broderip, 1835).
Cytherea tortuosa Broderip, 1835b: 45; part. *C. concinna* auctt. not Sowerby, 1835.
 3S–28N: 13N. Intertidal–2 m. +22° +32°C. Recent.
- Pitar unicolor** (Sowerby, 1835).
Cytherea unicolor Sowerby, 1835: 23; part. *C. lubrica* auctt. not Broderip, 1835: 44; *Chione badia* Gray, 1838: 306; *C. ligula* Anton, 1839: 7.
 1S–17N: 8N. Intertidal–15 m. +18° +32°C. Recent.
- Pitar vinaceus** (Olsson, 1961).
Lamelliconcha circinata vinacea Olsson, 1961: 287, pl. 48, f. 2a, b.
 2S–23N: 11N. Intertidal–10 m. +19° +32°C. Recent.
- Subgenus *Pitarella* Palmer, 1927.
- Pitar aequinoctialis** (Fischer-Piette, 1969).
Agriopoma aequinoctialis Fischer-Piette, 1969: 1004, f. 14–16.
 2S. Intertidal. +17° +31°C. Recent.
- Pitar catharius** (Dall, 1902).
Callocardia (Agriopoma) catharia Dall, 1902d: 387, 402, pl. 14, f. 3 (*citharia* nom. null. auctt.); part. *Pitaria tomeana* auctt. not Dall, 1902 (Chile).
 5S–31N: 13N. 10–80 m. +18° +29°C. Recent.
- Pitar mexicanus** Hertlein & Strong, 1948.
Pitar (Pitarella) mexicanus Hertlein & Strong, 1948: 171, pl. 1, f. 3, 8; *Pitar lenis* Pilsbry & Lowe, 1932: 100, pl. 16, f. 6 not *Cytherea lenis* Conrad, 1848.
 9N–31N: 20N. 4–80m. +16° +30°C. Recent.
- Subgenus *Tinctoria* Jukes-Browne, 1914.
- Pitar vulneratus** (Broderip, 1835).
Cytherea vulnerata Broderip, 1835b: 46.
 8N–31N: 20N. 10–15 m. +19° +30°C. Pleistocene.
- Genus *Saxidomus* Conrad, 1837.
- Saxidomus brevisiphonatus* Carpenter, 1865.⁹⁶
Saxidomus brevisiphonatus Carpenter, 1864c: 607, 641.
 Extralimital.
- Saxidomus giganteus** (Deshayes, 1839).
Venerupis gigantea Deshayes, 1839: 359; *Venus maxima* Anton in Philippi, 1846: 151, pl. 2, f. 1; *Tapes purpurata* Sowerby, 1852: 692, pl. 150, f. 124, 125; *Saxidomus giganteus brevis* Dall, 1916a: 33 nom. nud.; 1916b: 413.
 Northwest Pacific.
 37N–60N: 48N. Intertidal–40 m. –1° +26°C. Miocene.
- Saxidomus nuttalli** Conrad, 1837.
Saxidomus nuttalli Conrad, 1837: 249, pl. 19, f. 12; *S. squalidus* Deshayes, 1853: 188; *Tapes gracilis* Gould in Blake, 1855: 27; *Saxidomus aratus* Gould, 1862: 168 ?*S. nuttalli* *latus* Stewart in Woodring, Stewart & Richards, 1941: pl. 8, f. 15, pl. 16, f. 8.
 30N–41N: 36N. Intertidal–5 m. +8° +22°C. Miocene.
- Subfamily *Tapetinae* Gray, 1851.
 nom. transl. et correct. Bowden & Heppell, 1968 ex *Tapesina*.
- Genus *Eurhomalea* Cossmann, 1920.
- Eurhomalea decussata** (Deshayes, 1853).
Saxidomus decussatus Deshayes, 1853: 189.
 4S–13S: 9S. Intertidal. +14° +25°C. Recent.
- Eurhomalea exalbida** (Dillwyn, 1817).
Venus exalbida Dillwyn, 1817: 170; *Macra gabbi* Tyron, 1870: 170, pl. 16, f. 7; *Macra magellanica* Philippi, 1893: 7, pl. 2, f. 6.
 43S–54S: 49S. 10–150 m. +3° +14°C. Recent.
- Eurhomalea lenticularis** (Sowerby, 1835).
Venus lenticularis Sowerby, 1835: 42.
 24S–33S: 29S. 10–50 m. +13° +26°C. Recent.
- Eurhomalea rufa** (Lamarck, 1818).
Venus rufa Lamarck, 1818: 593 not *Tapes rufa* Sowerby, 1852; *Venus opaca* Sowerby, 1835: 42; *V. expallescens* Philippi, 1844: 176; *V. lithoidea* Jonas, 1844: 33.
 20S–37S: 29S. Intertidal–20 m. +11° +28°C. Recent.
- Eurhomalea salinensis** Ramorino, 1968.
Eurhomalea salinensis Ramorino, 1968: 218, pl. 3, f. 2, pl. 9, f. 2, 3.
 33S. 20 m. +13° +21°C. Recent.
- Eurhomalea tenuilamellata** (Sowerby, 1853).
Venus tenuilamellata Sowerby, 1853: 733, pl. 161, f. 195; part. *V. mortoni* auctt. not Conrad, 1837 (Atlantic).
 33S. Intertidal. +10° +24°C. Recent.
- Genus *Irus* Schmidt, 1818.
- Subgenus *Notopaphia* Oliver, 1923.
- Irus fernandezianus** (Stempel, 1899).
Venerupis fernandeziana Stempel, 1899: 237, pl. 12, f. 22, 23 (*fernandeziana* nom. null. auctt.).
 34S–40S: 37S. Intertidal–20 m. +11° +23°C. Recent.
- Subgenus *Paphonotia* Hertlein & Strong, 1948.
- Irus ellipticus** (Sowerby, 1834).
Petricola elliptica Sowerby, 1834: 46 not preoc. *Venus elliptica* Lamarck, 1818; *Petricola oblonga* Sowerby, 1834: 46; *P. solida* Sowerby, 1834: 46; ?*P. discors* Sowerby, 1834: 46; *Venerupis paupercula* Deshayes in Gray, 1853: 5; *V. foliacea* Deshayes in Gray, 1853: 192 not Philippi, 1846; *Petricola solidula* Sowerby, 1855: 770, pl. 164, f. 17; *Venerupis fimbriata* Sowerby, 1855: 766, pl. 155, f. 23.
 18S–23N: 3N. Intertidal–25 m. +17° +30°C. Recent.
- Genus *Liocyma* Dall, 1870.
- Liocyma fluctuosa** (Gould, 1841).
Venus fluctuosa Gould, 1838: 107 nom. nud.; 1841: 87, f. 50; *V. astar-*

- toides* Middendorff, 1849: 252, pl. 20, f. 5–13 (Beck MS); *Tapes arctica* Reeve, 1864: 14 *Tapes* pl. 10, sp. 52; *Liocyma beckii* Dall, 1870: 257; *L. scammoni* Dall, 1871: 145, pl. 14, f. 9; *L. schefferi* Bartsch & Rehder, 1939a: 111, pl. 8, f. 1a, b. *Gomphina* (*Liocyma*) *fluctuosa praefluctuosa*, Krishstofovich in Merklin, 1968: 112, pl. 11, f. 14, pl. 19, f. 1, pl. 20, f. 10.
- Panarctic, circumboreal.
- 48N–71N: 60N. Intertidal–300 m.–2° +14°C. Recent.
- Liocyma viridis*** Dall, 1871.
Liocyma viridis Dall, 1871: 146, pl. 14, f. 8; *L. aniwana* Dall, 1907b: 172; *L. subanivana* Khomenko, 1931: 78, pl. 5, f. 6–8; *L. hokkaidoensis* Habe, 1951: 179, f. 412–414.
- Arctic Ocean, Northwest Pacific.
- 55N–71N: 63N. 20–70 m. –3° +11°C. Recent.
- Genus ***Psephidia*** Dall, 1902.
- Psephidia cymata*** Dall, 1913.
Psephidia cymata Dall, 1413: 593.
25N–34N: 30N. 2–90 m. +16° +29°C. Pleistocene.
- Psephidia lordi*** (Baird, 1863).
Chione lordi Baird, 1863a: 69; part. *Psephis tellimyalis* auctt. not Carpenter, 1864.
33N–61N: 47N. Intertidal–70 m. 0 + 16°C. Pliocene.
- Psephidia ovalis*** Dall, 1902.
Psephidia ovalis Dall, 1902d: 401, 407, pl. 16, f. 4.
33N–60N: 47N. 20–250 m. –1° +17°C. Pliocene.
- Psephidia stephensae*** Hertlein & Grant, 1972.
Psephidia stephensae Hertlein & Grant, 1972: 280, pl. 44, f. 21, 22, 26; part. *P. cymata* auctt. not Dall, 1913.
27N–34N: 31N. 15–90 m. +15° +28°C. Pliocene.
- Genus ***Tapes*** Megerle, 1811.
- Subgenus *Ruditapes* Chiamenti, 1900.
- Tapes philippinarum*** (Adams & Reeve, 1850).
Venus philippinarum Adams & Reeve in Adams, 1850: 79, pl. 32, f. 10; *Tapes denticulata* Sowerby, 1852: 694, pl. 150, f. 114; *T. biradiata* Deshayes, 1853: 9, pl. 19, f. 5; *T. quadriradiata* Deshayes in Gray, 1853: 9, pl. 19, f. 6; *T. grata* Deshayes in Gray, 1853: 9; *T. japonica* Deshayes in Gray, 1853: 10; *T. semidecussata* Reeve, 1864: 14 *Tapes* pl. 13, sp. 67 (Deshayes MS); *Paphia bifurcata* Quayle, 1938: 139.
- Introduced from Japan.
- 37N–52N: 45N. Intertidal. 0 + 23°C. Recent.
- Subfamily *Clementiinae* Frizzell, 1936.
nom. transl. Keen, 1951 ex *Clementiidae*.
- Genus ***Clementia*** Gray, 1842.
- Subgenus *Egesta* Conrad, 1845.
- Clementia solida*** Dall, 1902.
Clementia solida Dall, 1902d: 384, 401, pl. 14, f. 4.
0–28N: 14N. Depth unknown. Pliocene.
- Sensu lato*.
- Clementia gracillima* Carpenter, 1857.⁹⁷
Clementia gracillima Carpenter, 1857b: 54.
23N. nom. dub. Recent.
- Genus ***Compsomyax*** Stewart, 1930.
- Compsomyax subdiaphana*** (Carpenter, 1864).
Clementia subdiaphana Carpenter, 1864c: 602, 607, 640; part. *Cytherea oregonensis* auctt. not Conrad, 1848; *Saxidomus gibbosus* Gabb, 1869: 58, pl. 16, f. 18a, b; *Callista subdiaphana pedroana* Arnold, 1903: 144, pl. 13, f. 2; *Clementia obliqua* Jukes-Brown, 1913: 59, pl. 1, f. 1, 2.
28N–61N: 45N. 2–550 m. 0 + 16°C. Miocene.
- Subfamily *Cyclininae* Frizzell, 1936.
- Genus ***Cyclinella*** Dall, 1902.
- Cyclinella jadisi*** Olsson, 1961.
Cyclinella jadisi Olsson, 1961:264, pl. 43, f. 2, a.
2S–9N: 4N. Intertidal–10 m. +19° +32°C. Recent.
- Cyclinella kroeyeri*** (Philippi, 1847).
Venus kroeyeri Philippi, 1847: 87; *Artemis variegata* auctt. not Gray, 1838 (Indo-Pacific).
21S–33S: 27S. Intertidal–5 m. +11° +22°C. Recent.
- Cyclinella producta*** (Carpenter, 1856).
Cyclinella producta Carpenter, 1856c: 161.
9N. Depth unknown. Recent.
- Cyclinella saccata*** (Gould, 1851).
Artemis saccata Gould, 1851: 91; part. *Artemis subquadrata* auctt. not Hanley, 1845.
9S–26N: 9N. 5–50 m. +17° +30°C. Recent.
- Cyclinella singleyi*** Dall, 1902.
Cyclinella singleyi Dall, 1902d: 392, 404, pl. 15, f. 3; *Cyclina tenuis* auctt. not Recluz, 1852 (Atlantic); *Cyclinella galera* Pilsbry & Olsson, 1941: 66, pl. 12, f. 1, pl. 14, f. 4.
3S–27N: 12N. 2–10 m. +18° +30°C. Pleistocene.
- Cyclinella subquadrata*** (Hanley, 1845).
Artemis subquadrata Hanley, 1845a: 11; *A. macilenta* Reeve, 1850: 6 *Artemis* pl. 9, sp. 51; part. *Artemis saccata* auctt. not Gould, 1851; part. *Cyclina tenuis* auctt. not Recluz, 1852 (Atlantic).
- Galapagos Islands.
- 0–5S: 2S. Intertidal–50 m. +16° +32°C. Pleistocene.
- Cyclinella ulloana*** Hertlein & Strong, 1948.
Cyclinella kroeyeri ulloana Hertlein & Strong, 1948:179, pl. 2, f. 5-7; *Venus kroeyeri* auctt. not Philippi, 1847.
23N–27N: 25N. 10–50 m. +19° +31°C. Recent.
- Subfamily *Gemminae* Dall, 1902.
- Genus ***Gemma*** Deshayes, 1853.
- Gemma gemma*** (Totten, 1834).⁹⁸
Venus gemma Totten, 1834: 367, f. 2; *Cyrena purpurea* Lea, 1842: 106, pl. 1, f. 1; *Gemma tottenii* Stimpson, 1860: 3.
- Introduced from Atlantic.
- 33N, 48N. Intertidal. Recent.
- Family *Turtoniidae* Clark, 1855.
- Genus ***Turtonia*** Alder, 1848.
- Turtonia minuta*** (Fabricius, 1780).
Venus minutus Fabricius, 1780: 412.
- Circumboreal.
- 40N–60N: 50N. Intertidal –3° +20°C. Recent.
- Turtonia occidentalis*** Dall, 1871.
Turtonia occidentalis Dall, 1871: 150, pl. 14, f. 12, 13; part. *Venus minutus* auctt. not Fabricius, 1780.
58N–60N: 59N. Intertidal–5m. –2° +12°C. Recent.
- Family *Cooperellidae* Dall, 1900.
- Genus ***Cooperella*** Carpenter, 1864.
- Subgenus *Cooperella s.s.*
- Cooperella panamensis*** Olsson, 1961.
Cooperella panamensis Olsson, 1961: 319, pl. 84, f. 5.
9N–18N: 14N. 10–80 m. +16° +27°C. Recent.
- Cooperella subdiaphana*** (Carpenter, 1864).
Oedalia subdiaphana Carpenter, 1864c: 639; *O. (Cooperella) scintillaeformis* Carpenter, 1864c: 611, 639.
25N–40N: 33N. 10–45 m. +9° +26°C. Pleistocene.
- Family *Petricolidae* Orbigny, 1837 in Webb & Berthelot.
- Genus ***Petricola*** Lamarck, 1801.
- Subgenus *Petricola s.s.*

- Petricola charapota* Olsson, 1961.
Petricola (Naranio) charapota Olsson, 1961: 317, pl. 54, f. 7.
 1S. Depth unknown. Recent.
- Petricola exarata* (Carpenter, 1857).
Rupellaria exarata Carpenter, 1857a: 244 *nom. nud.*; 1857b: 20; *R. linguaefelis* Carpenter, 1857a: 244 *nom. nud.*, 1857b: 20; *Naranio scobina* Carpenter, 1857a: 244 *nom. nud.*; 1857b: 529; *Petricola anachoreta* Folin, 1867b: 18, pl. 3, f. 1-4; *Cypricardia noemi* Folin, 1867b: 24, pl. 4, f. 12; *Petricola (Naranio) botula* Olsson, 1961: 317, pl. 55, f. 7, a, 8.
 9N-23N: 16N. Intertidal-5 m. +19° +32°C. Recent.
- Petricola lucasana* Hertlein & Strong, 1948.
Petricola (Petricola) lucasana Hertlein & Strong, 1948: 194, pl. 2, f. 4, 9; part. *P. robusta* *auctt.* not Sowerby, 1834.
 16N-31N: 24N. Intertidal-10 m. +14° +32°C. Recent.
- Subgenus *Petricolaria* Stoliczka, 1870.
- Petricola amygdalina* Sowerby, 1834.
Petricola amygdalina Sowerby, 1834: 47.
 Galapagos Islands.
 3S-2N: 0. Intertidal-10 m. +16° +33°C. Recent.
- Petricola californiensis* Pilsbry & Lowe, 1933.
Petricola californiensis Pilsbry & Lowe, 1933: 97, pl. 13, f. 7-9; part. *P. denticulata* *auctt.* not Sowerby, 1834.
 27N-34N: 31N. Intertidal-40 m. +8° +30°C. Recent.
- Petricola concinna* Sowerby, 1834.
Petricola concinna Sowerby, 1834: 46.
 1S-18S: 10S. Intertidal-5 m. +18° +32°C. Recent.
- Petricola gracilis* Deshayes, 1853.
Petricola gracilis Deshayes in Gray, 1853: 214; *P. gracilis parallela* Pilsbry & Lowe, 1932: 99, pl. 13, f. 4.
 12N-31N: 23N. Intertidal-15 m. +15° +32°C. Recent.
- Petricola pholadiformis* Lamarck, 1818.⁹⁹
Petricola pholadiformis Lamarck, 1818: 505.
 Introduced from Atlantic.
 38N-56N: 47N. Intertidal. Recent.
- Petricola rugosa* Sowerby, 1834.
Petricola rugosa Sowerby, 1834: 47; *Mytilus niveus* *auctt.* not Chemnitz, 1785 (Indo-Pacific); *Petricola tenuis* Sowerby, 1834: 47; *P. chiloensis* Philippi, 1845b: 53; *P. rhyssodes* Philippi, 1887: 160, pl. 25, f. 12.
 18S-45S: 32S. Intertidal-10 m. +8° +19°C. Pleistocene.
- Subgenus *Rupellaria* Fleuriau, 1802.
- Petricola carditoides* (Conrad, 1837).
Saxicava carditoides Conrad, 1837: 255, pl. 20, f. 8; *S. californica* Conrad, 1837: 256, pl. 20, f. 9; part. *S. legumen* *auctt.* not Deshayes, 1839; *Petricola arcuata* Deshayes, 1839: 358; *P. cylindracea* Deshayes, 1839: 358; *Ungulina luticola* Valenciennes in Petit-Thouars, 1846: pl. 24, f. 5; *Petricola gibba* Middendorff, 1849: 573, pl. 18, f. 5-7; *P. mirabilis* *auctt.* not Deshayes in Gray, 1853 (Japan); *Saxicava pedroana* Conrad, 1855: 13; *S. abrupta* Conrad, 1855: 13; *Petricola buwaldi* Clark, 1915: 476, pl. 60, f. 6.
 28N-57N: 43N. Intertidal-50 m. 0 +25°C. Miocene.
- Petricola denticulata* Sowerby, 1834.
Petricola denticulata Sowerby, 1834: 36; *P. dactylus* *auctt.* not Sowerby, 1834 (South Atlantic); *Venerupis peruviana* Jay, 1839: 13, 113 not *Petricola peruviana* Olsson, 1961; *Petricola ventricosa* Deshayes in Gray, 1853: 244 not Krause, 1848.
 5S-29N: 12N. Intertidal +19° +33°C. Pliocene.
- Petricola olssoni* *nom. nov.*¹⁰⁰
Petricola (Petricola) peruviana Olsson, 1961: 315, pl. 55, f. 9 not *Venerupis peruviana* Jay, 1839; ?*Petricola ovata* Troschel, 1825: 204.
 2S-5S: 3S. Intertidal +19° +31°C. Recent.
- Petricola robusta* Sowerby, 1834.
Petricola robusta Sowerby, 1834: 47 not Philippi, 1848; *P. sinuosa* Conrad, 1849: 155; *P. bulbosa* Gould, 1851: 88; *P. venusta* Folin, 1867b: 20, pl. 3, f. 5-7.
 3S-31N: 14N. Intertidal +13° +32°C. Recent.
- Petricola tellimyalis* (Carpenter, 1864).
Psephis tellimyalis Carpenter, 1864c: 641; part. *Petricola denticulata* *auctt.* not Sowerby, 1834; part. *Rupellaria californiensis* *auctt.* not Pilsbry & Lowe, 1932.
 26N-33N: 30N. Intertidal-20 m. +10° +31°C. Recent.
- Sensu lato.*
- Petricola discors* Sowerby, 1834.
Petricola discors Sowerby, 1834: 46. *nom. dub.*
 7S. Recent.
- Order MYOIDA Stoliczka, 1870.
nom. correct. Newell, 1965 *ex Myacea.*
- Suborder MYINA Stoliczka, 1870.
nom. transl. et correct. Newell, 1965 *ex Myacea.*
- Superfamily MYACEA Lamarck, 1809.
nom. transl. Gill, 1871 *ex Myacea* Goldfuss, 1820 *ex myaires.*
- Family Myidae Lamarck, 1809.
nom. correct. Broderip, 1839 *pro Myacea* Goldfuss, 1820 *ex myaires.*
- Subfamily Myinae Lamarck, 1809.
nom. transl. Habe, 1977 *ex myaires.*
- Genus *Mya* Linné, 1758.
- Subgenus *Mya s.s.*
- Mya pseudoarenaria* Schlesch, 1931.
Mya (Mya) pseudoarenaria Schlesch, 1931: 136, pl. 93, f. 10-12; part. *M. arenaria* *auctt.* not Linné, 1758; *M. truncata ovata* Jensen, 1900: 139, f. 3, 4 not *Mya ovata* Donovan, 1802.
 Arctic, North Atlantic
 64N-71N: 68N. 2-30 m. -3° +7°C. Pliocene.
- Mya truncata* Linné, 1758.
Mya truncata Linné, 1758: 670; *M. ovalis* Turton, 1822: 33, pl. 3, f. 1, 2; not Conrad, 1857; *Sphenia swainsoni* Turton, 1822: 37, pl. 19, f. 2; *M. truncata uddevalensis* Forbes, 1846: 407; *M. praecisa* Gould, 1850: 215; *M. truncata abbreviata* Jeffreys, 1865: 67.
 Panarctic, circumboreal.
 48N-71N: 59N. Intertidal-100 m. -2° +16°C. Miocene.
- Mya uzenensis* Nomura & Zinbo, 1937.
Mya uzenensis Nomura & Zinbo, 1937: 167, pl. 22, f. 17; part. *M. arenaria* *auctt.* not Linné, 1758; *M. priapus* *auctt.* not Tilesius, 1822 (*Steller MS*) *nom. oblit.*
 60N-64N: 62N. Intertidal-50 m. -2° +10°C. Pliocene.
- Subgenus *Arenomya* Winckworth, 1930.
- Mya arenaria*, Linné, 1758.¹⁰¹
Mya arenaria Linné, 1758: 670; *M. communis* Megerle, 1811: 46; *M. lata* Sowerby, 1815: 185, pl. 81; *M. acuta* Say, 1822: 313; *M. mercenaria* Say, 1822: 313; *M. subovata* Woodward, 1833: 43, pl. 2, f. 5; *M. subtruncata* Woodward, 1833: 43, pl. 2, f. 6; *M. alba* Agassiz, 1839: 1; *M. corpulenta* Conrad, 1845: 68, pl. 39, f. 1; *M. japonica* Jay, 1856: 292, pl. 1, f. 7, 10; *M. hemphilli* Newcombe, 1875: 415; *M. elongata* Locard, 1886: 383, 586; *M. paternalis* Matsumoto, 1930: 98, pl. 39, f. 2; *M. oonogai* Makiyama, 1935: 137, text- f. i.
 Circumboreal
 37N 60N: 48N. Intertidal. -4° +24°C. Miocene.
- Mya profundior* Grant & Gale, 1931.
Mya (Mya) arenaria profundior, Grant & Gale, 1931: 414; part. *M. arenaria* *auctt.* not Linné, 1758; *M. crassa* Grewingk, 1850: 355, pl. 6, f. 2a-d not Vallot, 1801 not Wood, 1815; *Anatina elegans* Eichwald, 1871: 119 not Philippi, 1844; *Mya intermedia* Dall, 1898: 857 not Sowerby, 1814 not Sowerby, 1823.
 58N-60N: 59N. 10-100 m. -2° +7°C. Pliocene.
- Genus *Platyodon* Conrad, 1837.
- Subgenus *Platyodon s.s.*
- Platyodon cancellatus* (Conrad, 1837).
Mya cancellata Conrad, 1837: 236, pl. 18, f. 2; *Cryptodonta myoides*

- Carpenter, 1864c: 525 (Nuttall MS).
33N–55N: 44N. Intertidal–20 m. $-1^{\circ} + 17^{\circ}\text{C}$. Pliocene.
- Subgenus *Austroplatyodon* Olsson, 1961.
- Platyodon australis** Olsson, 1961.
Platyodon (Austroplatyodon) australis Olsson, 1961:424, pl. 76, f. 6, a; *Mya cancellata* auctt. not Conrad, 1837.
2S. Intertidal. $+20^{\circ} + 31^{\circ}\text{C}$. Recent.
- Subfamily Cryptomyinae Habe, 1977.
- Genus *Cryptomya* Conrad, 1848.
- Subgenus *Cryptomya s.s.*
- Cryptomya californica** (Conrad, 1837).
Sphaenia californica Conrad, 1837: 234, pl. 17, f. 11; *Mya (Cryptomya) ovalis* Conrad, 1857a: 69, pl. 2, f. 2 not Turton, 1822; *M. tenuis* Philippi, 1887: 163, pl. 23, f. 11 not Schroeter, 1802; *Cryptomya oregonensis* Dall, 1909a: 132, pl. 11, f. 4; *C. quadrata* Arnold, 1909: 71, pl. 21, f. 2, a; *C. washingtoniana* Weaver, 1912: 70, pl. 13, f. 114; *C. magna* Dall, 1921: 17; *C. busoensis* Yokoyama, 1922: 126, pl. 7, f. 1, a, 2, a; *Mya inopia* Hanna, 1924: 172; *Cryptomya kamtschatica* Ilyina, 1963: 110, pl. 44, f. 2, 2.
Northwest Pacific.
5S–60N: 33N. Intertidal–80 m. $+1^{\circ} + 35^{\circ}\text{C}$. Miocene.
- Subfamily Spheniinae nov.¹⁰²
- Genus *Sphenia* Turton, 1822.
- Sphenia hatcheri** Pilsbry, 1899.
Sphenia hatcheri Pilsbry, 1899:129, pl. 1, f. 5, 6; *S. subequalis* Dall, 1908c: 422.
52S–54S: 53S. Intertidal–150 m. $+1^{\circ} + 12^{\circ}\text{C}$. Recent.
- Sphenia luticola** (Valenciennes, 1846).
Corbula luticola Valenciennes in Petit-Thouars, 1846: pl. 24, f. 7a, b; *Tyleria fragilis* H. Adams & A. Adams, 1854: 368, pl. 97, f. 3, a; *Sphaenia fragilis* Carpenter, 1857b: 24; *S. pacificensis* Folin, 1867b: 15, pl. 2, f. 10, 11; *S. trunculus* Dall, 1916a: 41 nom. nud.; 1916b: 415; *S. pholadidea* Dall, 1916a: 41 nom. nud.; 1916b: 415; *Cuspidaria nana* Oldroyd, 1918: 28; *Sphenia globula* Dall, 1919a: 370.
Galapagos Islands.
4S–40N: 18N. 10–55 m. $+9^{\circ} + 28^{\circ}\text{C}$. Pliocene.
- Sphenia ovoidea** Carpenter, 1864.
Sphaenia ovoidea Carpenter, 1864c: 602, 637.
48N–56N: 52N. 5–15 m. $+2^{\circ} + 14^{\circ}\text{C}$. Recent.
- Family Corbulidae Lamarck, 1818.
nom. correct. Broderip, 1839 ex corbulidees.
- Subfamily Corbulinae Gray, 1823.
nom. transl. Stoliczka, 1870 ex Corbularia.
- Genus *Corbula* Bruguière, 1797.
- Subgenus *Caryocorbula* Gardner, 1926.
- Corbula amethystina** Olsson, 1961.
Corbula (Caryocorbula) amethystina Olsson, 1961: 429, pl. 75, f. 1a–c.
2S–10N: 4N. 5–10 m. $+20^{\circ} + 29^{\circ}\text{C}$. Recent.
- Corbula luteola** Carpenter, 1864.
Corbula luteola Carpenter, 1864c: 611, 637; *C. luteola rosea* Williamson, 1905: 120 not *Corbula rosea* Reeve, 1844.
23N–37N: 30N. Intertidal–60 m. $+8^{\circ} + 26^{\circ}\text{C}$. Miocene.
- Corbula marmorata** Hinds, 1843.
Corbula marmorata Hinds, 1843a:58; *C. erythronotus* auctt. not Lamarck, 1818 (Japan).
2S–28N: 13N. 10–30 m. $+17^{\circ} + 29^{\circ}\text{C}$. Recent.
- Corbula nasuta** Sowerby, 1833.
Corbula nasuta Sowerby, 1833: 35 not Conrad, 1833; *C. fragilis* Hinds, 1843a: 56; *C. pustulosa* Carpenter, 1857b: 22.
3S–32N: 15N. 5–30 m. $+14^{\circ} + 30^{\circ}\text{C}$. Recent.
- Corbula nuciformis** Sowerby, 1833.
Corbula nuciformis Sowerby, 1833; 35 not *Corbulomina nuciformis*
- Vokes, 1945.
1S–27N: 13N. 10–90 m. $+16^{\circ} + 29^{\circ}\text{C}$. Recent.
- Corbula obesa** Hinds, 1843.
Corbula obesa Hinds, 1843a: 57.
4S–30N: 13N. Intertidal–30 m. $+14^{\circ} + 32^{\circ}\text{C}$. Recent.
- Corbula ovulata** Sowerby, 1833.
Corbula ovulata Sowerby, 1833: 35.
14S–30N: 8N. 2–55 m. $+14^{\circ} + 31^{\circ}\text{C}$. Recent.
- Corbula porcella** Dall, 1916.
Corbula porcella Dall, 1916a: nom. nud.; 1916b:415.
17N–33N: 25N. 60–100 m. $+10^{\circ} + 26^{\circ}\text{C}$. Recent.
- Corbula ventricosa** Adams & Reeve, 1850.
Corbula ventricosa Adams & Reeve in Adams, 1850: 83, pl. 23, f. 12.
8N–29N: 19N. 50–90 m. $+15^{\circ} + 27^{\circ}\text{C}$. Recent.
- Subgenus *Hexacorbula* Olsson, 1932.
- Corbula esmeralda** Olsson, 1961.
Corbula (Hexacorbula) esmeralda Olsson, 1961: 432, pl. 76, f. 3a–c.
2S. 5–10 m. $+16^{\circ} + 32^{\circ}\text{C}$. Recent.
- Subgenus *Juliacorbula* Olsson & Harbison, 1953.
- Corbula bicarinata** Sowerby, 1833.
Corbula bicarinata Sowerby, 1833: 35; *C. alba* Philippi, 1846: 19.
Galapagos Islands.
1S–31N: 15N. Intertidal–30 m. $+14^{\circ} + 32^{\circ}\text{C}$. Recent.
- Corbula biradiata** Sowerby, 1833.
Corbula biradiata Sowerby, 1833: 35; *C. rubra* C. B. Adams, 1852: 299; *C. polychroma* Gould & Carpenter, 1857: 198.
Galapagos Islands.
2S–28N: 13N. Intertidal–30 m. $+17^{\circ} + 32^{\circ}\text{C}$. Pliocene.
- Corbula ecuabula** Pilsbry & Olsson, 1941.
Corbula ecuabula Pilsbry & Olsson, 1941: 75, pl. 12, f. 3–5.
2S–4S: 3S. Intertidal. $+20^{\circ} + 31^{\circ}\text{C}$. Pliocene.
- Corbula elenensis** (Olsson, 1961).
Juliacorbula elenensis Olsson, 1961: 438, pl. 77, f. 5.
1S–4S: 3S. Intertidal–20 m. $+18^{\circ} + 31^{\circ}\text{C}$. Recent.
- Corbula ira** Dall, 1908.
Corbula (Cuneocorbula) ira Dall, 1908c: 221, 423.
7N. 330 m. $+10^{\circ} + 14^{\circ}\text{C}$. Recent.
- Subgenus *Panamicorbula* Pilsbry, 1932.
- Corbula cylindrica** (Morrison, 1946).
Panamicorbula cylindrica Morrison, 1946: 47, pl. 1, f. 15, 17.
2S–8N: 3N. Intertidal–20 m. $+19^{\circ} + 32^{\circ}\text{C}$. Recent.
- Corbula inflata** (C. B. Adams, 1852).
Potamomya inflata C. B. Adams, 1852: 520; *P. aequalis* C. B. Adams, 1852: 519 (1st rev.); *P. trigonalis* C. B. Adams, 1852: 520; *Corbula macdonaldi* Dall, 1912a: 3.
4S–23N: 10N. Intertidal–45 m. $+16^{\circ} + 32^{\circ}\text{C}$. Pleistocene.
- Subgenus *Serracorbula* Olsson, 1961.
- Corbula tumaca** (Olsson, 1961).
Serracorbula tumaca Olsson, 1961: 433, pl. 76, f. 4a–d.
3S–11N: 4N. Intertidal. $+19^{\circ} + 32^{\circ}\text{C}$. Recent.
- Subgenus *Tenuicorbula* Olsson, 1932.
- Corbula tenuis** Sowerby, 1833.
Corbula tenuis Sowerby, 1833: 36 not Moody, 1916; *C. glypta* Li, 1930: 264, pl. 5, f. 38, a.
3S–8N: 3N. Intertidal. $+19^{\circ} + 32^{\circ}\text{C}$. Recent.
- Subgenus *Varicorbula* Grant & Gale, 1931.
- Corbula speciosa** Reeve, 1843.
Corbula speciosa Reeve, 1843: 2 *Corbula* pl. 1, sp. 6; *C. radiata* Sowerby, 1833: 36 not Deshayes, 1824.
7N–27N: 17N. 5–40 m. $+16^{\circ} + 30^{\circ}\text{C}$. Recent.

Sensu lato.

Corbula kelseyi Dall, 1916.

Corbula kelseyi Dall, 1916a: 41 *nom. nud.*; 1916b: 416.
33N–35N: 34N. Depth unknown. Recent.

Corbula boivinea Carpenter, 1857.

Corbula boivinea Carpenter, 1857a: 300 (*boivinei nom. van.* Carpenter, 1860).
Nom. nud.

Family Spheniopsidae Gardner, 1928.

Genus *Grippina* Dall, 1912.

Grippina berryana Keen, 1971.

Grippina berryana Keen, 1971: 270, f. 693.
24N–26N: 25N. 5–90 m. +21° +30°C. Recent.

Grippina californica Dall, 1912.

Grippina californica Dall, 1912b: 128.
28N–33N: 31N. 93 m. +11° +18°C. Recent.

Superfamily GASTROCHAENACEA Gray, 1840.

nom. transl. Thiele, 1934 *ex* Gastrochaenidae.

Family Gastrochaenidae Gray, 1840.

nom. correct. H. Adams & A. Adams, 1856 *pro* Gastrochaenadae.

Genus *Gastrochaena* Spengler, 1783.

Subgenus *Gastrochaena s.s.*

Gastrochaena denticulata Deshayes, 1855.

Gastrochaena denticulata Deshayes, 1855: 327; *part. G. ovata auctt.* not Sowerby, 1834.
12S–6N: 3S. Intertidal. +17° +31°C. Recent.

Gastrochaena ovata Sowerby, 1834.

Gastrochaena ovata Sowerby, 1834: 21; *G. brevis* Sowerby, 1834: 21; *G. hyalina* Sowerby, 1834: 22; *part. G. denticulata auctt.* not Deshayes, 1855.

Clipperton, Galapagos Islands, and Atlantic.

1S–28N: 14N. Intertidal–15 m. +17° +32°C. Recent.

Gastrochaena rugulosa Sowerby, 1834.

Gastrochaena rugulosa Sowerby, 1834: 22; *G. equadoriensis* Olsson, 1961: 440, pl. 80, f. 8, a.

Galapagos Islands.

0–2S. Intertidal. +18° +31°C. Recent.

Gastrochaena truncata Sowerby, 1834.

Gastrochaena truncata Sowerby, 1834: 21; *G. folini* Deshayes *in* Folin, 1867a: 11, pl. 1, f. 6.
8N–23N: 16N. Intertidal–30 m. +18° +32°C. Recent.

Superfamily HIATELLACEA Gray, 1824.

nom. transl. Newell, 1965 *ex* Hiattellidae.

Family Hiattellidae Gray, 1824.

nom. correct. Winckworth, 1932 *pro* Hyattelladae.

Genus *Cyrtodaria* Reuss, 1801.

Cyrtodaria kurriana Dunker, 1861.

Cyrtodaria kurriana Dunker, 1861b: 38; *part. Mya siliqua auctt.* not Chemnitz, 1775; *Cyrtodaria camdenensis* Dall, 1920: 27, 33, pl. 5, f. 7.

Panarctic, Northwest Pacific.

64N–71N: 68N. 2–50 m. –3° +6°C. Pliocene.

Genus *Hiatella* Bosc, 1802 (Daudin MS).

Subgenus *Hiatella s.s.*

Hiatella antarctica (Philippi, 1845).

Saxicava antarctica Philippi, 1845: 51; *S. chilensis* Hupé *in* Gay, 1854: 379, pl. 8, f. 7; *S. frigida*: 101; *S. lebruni*: 102; *S. mollis*: 102 all Mabilie & Rochebrune *in* Rochebrune & Mabilie, 1889; *S. subantarctica* Preston, 1913: 223, pl. 4, f. 12.

South Atlantic.

42S–54S: 48S. Intertidal–20 m. –1° +11°C. Pleistocene.

Hiatella arctica (Linné, 1767).

Mya arctica Linné, 1767: 1113; *Solen minutus* Linné, 1767: 1115; *Mya byssifera* Fabricius, 1780: 408; *Hiatella monoperta* Bosc, 1802: 120, pl. 21, f. 1; *H. biapertura* Bosc, 1802: 120, pl. 21, f. 2; *Saxicava striata* Fleuriat, 1802: 349, 354; *Didonta bicarinata* Schumacher, 1817: 125, pl. 6, f. 2a, b; *Saxicava unguana* Grewinck, 1850: 354, pl. 6, f. 1, a-c; *Sphenia bilirata* Gabb, 1861: 369; *Saxicava flaccida* Gould, 1861: 24; *S. orientalis* Yokoyama, 1920: 106, pl. 7, f. 2, 3; *Petricola awana* Yokoyama, 1924: 42, pl. 2, f. 12, 13, pl. 13, f. 1; *Saxicava sakhalinensis* Takeda, 1953: 88, pl. 7, f. 11–16.

Panarctic, circumboreal.

10N–71N: 41N. Intertidal–800 m.–1° +19°C. Miocene.

Hiatella pholadis (Linné, 1771).

Mytilus pholadis Linné, 1771: 548 (*Mytilus nom. null.*); *part. Mya arctica auctt.* not Linné, 1767; *part. Mytilus rugosus auctt.* not Linné, 1767; *Saxicava legumen* Deshayes, 1839: 358; *S. distorta* Say, 1822: 318; *S. clava* Valenciennes *in* Petit-Thouars, 1846: pl. 124, f. 8.

Circumboreal.

48N–68N: 58N. Intertidal–10 m. –3° +15°C. Pliocene.

Hiatella solida (Sowerby, 1834).

Saxicava solida Sowerby, 1834: 88; *part. Mya arctica auctt.* not Linné, 1767; *Saxicava tenuis* Sowerby, 1834: 88; *S. purpurascens* Sowerby, 1834: 88; *S. meridionalis* Orbnig, 1846: 521, pl. 81, f. 21–22.
43S–8N: 18S. Intertidal–10 m. +9° +26°C. Pleistocene.

Genus *Panomya* Gray, 1857.

Panomya ampla Dall, 1898.

Panomya ampla Dall, 1898: 833; *part. Mya norvegica auctt.* not Spengler, 1793 not Gmelin, 1791.

Arctic Ocean, Northwest Pacific.

60N–71N: 66N. 10–50 m. –2° +7°C. Miocene.

Panomya arctica (Lamarck, 1818).

Glycymeris arctica Lamarck, 1818: 458; *part. Mya norvegica auctt.* not Spengler, 1793 not Gmelin, 1791 not *Panopaea norvegica* Middendorff, 1849; *Mya priapus* Tilesius, 1822: 295, pl. 9 + 1 (Steller MS) *Panomya arctica turgida* Dall, 1916a: 41 *nom. nud.*; 1916b: 416; *P. nipponica* Nomura & Hatai, 1935a: 20, pl. 1, f. 7a, b.

Circumboreal, Arctic Ocean.

60N–68N: 64N. Intertidal–80 m. –2° +7°C. Pliocene.

Panomya beringiana Dall, 1916.

Panomya beringiana Dall, 1916a: 41 *nom. nud.*; 1916b: 416; *P. gigantea* Kanno, 1957: 14, pl. 2, f. 1, 2a, b.

Northwest Pacific.

55N–60N: 58N. 50–200 m. –2° +7°C. Pliocene.

Panomya chrysis Dall, 1909.

Panomya chrysis Dall, 1909a: 133, pl. 11, f. 7; *part. P. ampla auctt.* not Dall, 1898; *P. trapezoidis* Strauch, 1972: 61, pl. 4, f. 1, 3, 4, 6, 12, 14.
51N–60N: 56N. 10–150 m. –1° +10°C. Miocene.

Genus *Panope* Menard, 1807.

Panope abbreviata (Valenciennes, 1839).¹⁰³

Panopaea abbreviata Valenciennes, 1839: 18, pl. 4, f. 1 not Michelotti, 1839; *P. coquimbensis* Orbnig, 1842: 126, pl. 15, f. 7, 8; *P. antarctica* Gould, 1850: 214 *P. guayacanensis* Philippi, 1887: 167, pl. 34, f. 2; *Panope truncata* Borchert *in* Steinnann 1901: 212, pl. 9, f. 1, 2; *Panopaea inferior* Wilckens, 1907: 143, pl. 6, f. 1; *P. hauhali* Wilckens, 1907: 145, pl. 6, f. 2.

South Atlantic.

54S. Depth unknown. Pliocene.

Panope abrupta (Conrad, 1849).¹⁰⁴

Mya abrupta Conrad *in* Dana, 1849: 723, pl. 17, f. 5; *Panope japonica* A. Adams, 1850a: 170, pl. 6, f. 5; *Panopaea generosa* Gould, 1851: 215; *Glycymeris estrellana* Conrad, 1857b: 194, pl. 7, f. 5; *Panopaea fragilis* Gould, 1861: 25; *P. generosa saginata* Gould, 1861: 25; *Panopea generosa solida* Dall, 1898: 831; *Panope generosa taeniata* Dall, 1918a:

- 24, 25; *P. tenuis* Wiedey, 1928: 154, pl. 20, f. 4; *P. (Panomya) vaskuchevskensis* Ilyina, 1963: 120, pl. 53, f. 2, a, 3.
- Northwest Pacific.
- 28N–58N: 43N. Intertidal–70 m. +3° +20°C. Miocene.
- Panope globosa*** (Dall, 1898).
- Panopea generosa globosa* Dall, 1898: 831.
- Gulf of California.
- 27N–31N: 28N. Intertidal–60 m. +14° +31°C. Recent.
- Genus *Saxicavella* Fischer, 1878.
- Saxicavella pacifica*** Dall, 1916.
- Saxicavella pacifica* Dall, 1916a: 42 *nom. nud.*; 1916b: 416.
- 32N–34N: 33N. 7–440 m. +5° +19°C. Recent.
- Suborder PHOLADINA H. Adams & A. Adams, 1858.
nom. transl. et correct. Newell, 1965 *ex* Pholadacea.
- Superfamily PHOLADACEA Lamarck, 1809.
nom. transl. et correct. Turner, 1955 *ex* pholadaires.
- Family Pholadidae Lamarck, 1809.
nom. correct. Vokes, 1967 *pro* pholadaires.
- Subfamily Pholadinae Lamarck, 1809.
nom. transl. et correct. Vokes, 1967 *ex* pholadaires.
- Genus *Barnea* (Leach MS) Risso, 1826.
- Subgenus *Anchomasa* Gray, 1852 (Leach MS).
- Barnea lamellosa*** (Orbigny, 1846).
- Pholas lamellosa* Orbigny, 1846:498, pl. 77, f. 20, 21; *part. P. subtruncata auctt.* not Sowerby, 1834.
- South Atlantic.
- 20S–54S: 37S. Intertidal. +2° +20°C. Recent.
- Barnea subtruncata*** (Sowerby, 1834).
- Pholas subtruncata* Sowerby, 1834: 69; *P. spathulata* Deshayes, 1843a: pl. 79 not Sowerby, 1849; *P. pacifica* Stearns, 1871: 1; *part. Zirfaea pilsbryi auctt.* not Lowe, 1931.
- 29S–46N: 9N. Intertidal–30 m. +5° +32°C. Pleistocene.
- Genus *Cyrtopleura* Tryon, 1862.
- Subgenus *Cyrtopleura s.s.*
- Cyrtopleura cruciger*** (Sowerby, 1834).
- Pholas cruciger* Sowerby, 1834: 69 (*crucigera nom. van.*, *crucifera nom. null. auctt.*)
- 4S–28N: 12N. Intertidal. +18° +32°C. Recent.
- Genus *Pholas* Linné, 1758.
- Subgenus *Thovana* Gray, 1847 (Leach MS).
- Pholas chiloensis*** Molina, 1782.
- Pholas chiloensis* Molina, 1782:204; *part. P. campechensis auctt.* not Gmelin, 1791 (Atlantic), *P. chiloensis parva* Sowerby, 1834: 69 not *P. parva* Pennant, 1777; *P. laqueata* Sowerby, 1849: 486, pl. 103, f. 19, 20; *P. macrostoma* Philippi, 1858: 23; *P. (Dactylina) retifer* Mørch, 1860: 177 (*retifer nom. null.*); *P. dilecta* Pilsbry & Lowe, 1932: 88, pl. 11, f. 8, 9.
- 43S–31N: 6N. Intertidal. +9° +32°C. Pleistocene.
- Sensu lato.*
- Pholas cornea* Sowerby, 1834.¹⁰⁵
- Pholas cornea* Sowerby, 1834: 72.
8N *nom. dub.* Recent.
- Genus *Zirfaea* Gray, 1842 (Leach MS)
- Zirfaea crispata* (Linné, 1758).¹⁰⁶
- Mya crispata* Linné, 1758: 670.
Introduced from Atlantic, probably not established.
- Zirfaea pilsbryi*** Lowe, 1931.
- Zirfaea pilsbryi* Lowe, 1931: 53, pl. 3, f. 1, 2; *Pholas crispata auctt.* not Linné, 1758 (Atlantic); ?*P. constricta* Sowerby, 1849: 489, pl. 104, f. 27, 28; not Philipps, 1829 not Römer, 1851; *part. Zirphaea dentata auctt.* not Gabb, 1866; *part. Z. gabbii auctt.* not Tryon, 1863; *Zirfaea gabbii femii* Adegoke, 1967: 17 *nom. nud.*; 1969, 154 pl. 9, f. 2, 8, 11, 12, pl. 10 f. 3, 5, 6, 13.
- Arctic Ocean.
- 24N–70N: 47N. Intertidal–125 m.–1° +25°C. Pliocene.
- Subfamily Martesiinae Grant & Gale, 1931.
- Genus *Chaceia* Turner, 1955.
- Chaceia ovoidea*** (Gould, 1851).
- Pholas ovoidea* Gould, 1851: 87; *part. Zirphaea gabbii auctt.* not Tyron, 1863.
- 28N–37N: 33N. Intertidal–2 m. +6° +24°C. Pliocene.
- Genus *Diplothyra* Tryon, 1862.
- Diplothyra curta*** (Sowerby, 1834).
- Pholas curta* Sowerby, 1834: 71.
- 17N–30N: 24N. Intertidal–18 m. +14° +31°C. Recent.
- Genus *Martesia* Sowerby, 1824. (Leach MS)
- Subgenus *Martesia s.s.*
- Martesia fragilis*** Verrill & Bush, 1898.
- Martesia (Martesiella) fragilis* Verrill & Bush, 1898: 777, pl. 79, f. 10; *Pholadidea minuscula* Dall, 1908c: 222; *P. (Diploplax) exquisita* Bartsch & Rehder, 1945: 10, pl. 3, f. 17–18; *P. (Diploplax) bahamensis* Bartsch & Rehder, 1945: 11, pl. 3, f. 15, 16.
- Atlantic Ocean.
- 9N–20N: 15N. Floating. +20° +30°C. Recent.
- Martesia striata*** (Linné, 1758).
- Pholas striata* Linné, 1758: 669; *P. falcata* Wood, 1815: 84, pl. 16, f. 5–7 not Sowerby in Reeve, 1872; *P. clavata* Lamarck, 1818: 446; *P. tenuistriata* Blainville, 1826: 531; *Penitella xilophaga* Valenciennes in Petit-Thouars, 1846: pl. 24, f. 2 not *Pholas striata* Deshayes, 1835; *P. rosea* C.B. Adams, 1850: 75; *P. beauiana* Recluz, 1853: 49, pl. 2, f. 1–3; *part. M. intercalata auctt.* not Carpenter, 1857; *Pholas cupula* Yokoyama, 1924a: 37, pl. 2, f. 15; *Martesia striata tokyoensis* Yokoyama, 1927: 428, pl. 48, f. 2–3; *M. pulchella* Yokoyama, 1932: 238, pl. 2, f. 5; *Hiata infelix* Zetek & McLean, 1936: 110, pl. 8, f. 1–4; *Martesia hawaiiensis* Dall, Bartsch & Rehder, 1938: 205, pl. 52, f. 1–7; *Mesopholas intusgranosa* Taki & Habe, 1945: 110; *M. nucicola* Taki & Habe, 1945: 110; *Martesia (Diploplax) funisicola* Bartsch & Rehder, 1945: 10, 14, pl. 3, f. 1–2; *M. (Diploplax) americana* Bartsch & Rehder, 1945: 10, 13, pl. 2, f. 1, 2, pl. 3, f. 3, 4.
- Cosmopolitan in warm waters.
- 3S–31N: 14N. Floating. +19° +32°C. Recent.
- Subgenus *Particomma* Bartsch & Rehder, 1945.
- Martesia cuneiformis*** (Say, 1822).
- Pholas cuneiformis* Say, 1822: 322; *P. caribaea* Orbigny in Sagra, 1842: pl. 25, f. 20–22; *P. falcata* Sowerby in Reeve, 1872: 18 *Pholas* pl. 12, sp. 51 (Gray MS) not Wood, 1815.
- Galapagos Islands, Atlantic.
- 1S–9N: 4N. Intertidal. +18° +32°C. Recent.
- Genus *Parapholas* Conrad, 1848.
- Parapholas acuminata*** (Sowerby, 1834).
- Pholas acuminata* Sowerby, 1834:70 not Conrad, 1845.
- 3S–29N: 13N. Intertidal. +17° +32°C. Recent.
- Parapholas californica*** (Conrad, 1837).
- Pholas californica* Conrad, 1837: 236, pl. 18, f. 5, 6; *P. janellii* Deshayes, 1839: 357.
- 26N–38N: 32N. Intertidal–10 m. +8° +31°C. Pliocene.
- Parapholas calva*** (Sowerby, 1834).
- Pholas calva* Sowerby, 1834: 69 (Gray MS); *P. calva nana* Sowerby, 1834: 70; *Parapholas bisulcata* Conrad, 1849: 156.
- Galapagos Islands.
- 1S–29N: 13N. Intertidal. +17° +32°C. Recent.

Genus *Penitella* Valenciennes in Petit-Thouars, 1846.

Penitella conradi Valenciennes, 1846.

Penitella conradi Valenciennes in Petit-Thouars, 1846: pl. 24, f. 1a,b; *Navea subglobosa* Gray, 1851: 385; *Martesia intercalata* Carpenter, 1857b: 13; *Navae newcombi* Tryon, 1865: 39, pl. 2, f. 1-3; *Penitella parva* Tryon, 1865: 39, pl. 2, f. 4, 5 not *P. chiloensis parva* Sowerby, 1834.

28N-49N: 39N. Intertidal-20 m. +9° +28°C. Miocene.

Penitella fitchi Turner, 1955.

Penitella fitchi Turner, 1955: 71, pl. 40-42.
26N-33N: 30N. Intertidal. +9° +28°C. Pleistocene.

Penitella gabbii (Tryon, 1863).

Zirphaea gabbii Tryon, 1863: 144, pl. 1, f. 1; part. *Pholas crispata* auctt. not Linné, 1758.

30N-60N: 45N. Intertidal. +2° +27°C. Pliocene.

Penitella kamakurensis (Yokoyama, 1922).

Jouannetia kamakurensis Yokoyama, 1922: 120, pl. 6, f. 60; part. *Pholas penita* auctt. not Conrad, 1837; part. *Navea subglobosa* auctt. not Gray, 1851; *Pholadidea (Monoplax) dolichothyra* Thang, Tsi, & Li, 1960: 72, 85, f. 9; *P. (Monoplax) acutithyra* Thang, Tsi, & Li, 1960: 73, 85, f. 10.

Northwest Pacific.

55N-59N: 57N. Intertidal. +3° +13°C. Pleistocene.

Penitella penita (Conrad, 1837).

Pholas penita Conrad, 1837: 237, pl. 18, f. 7; *P. concamerata* Deshayes, 1839: 357, b; *Penitella spelaea* Conrad, 1855: 16 (nom. null. *speloeum*); *P. curvata* Tryon, 1865: 40, pl. 2, f. 6-8; *Pholadidea sagitta* Dall, 1916b: 417 (Stearns MS).

26N-60N: 43N. Intertidal-5 m. -1° +27°C. Pliocene.

Penitella tubigera Valenciennes, 1846.¹⁰⁷

Penitella tubigera Valenciennes in Petit-Thouars, 1846: pl. 24, f. 3, a-c. nom. dub.

Penitella turnerae Evans & Fischer, 1966.

Penitella turnerae Evans & Fischer, 1966: 222, pl. 31; part. *Pholas californica* auctt. not Conrad, 1836; part. *P. penita* auctt. not Conrad, 1837; part. *P. ovoidea* auctt. not Gould, 1851.

37N-47N: 42N. Intertidal. +5° +24°C. Miocene.

Genus *Pholadidea* Turton, 1819 (Goodall MS).

Subgenus *Hatasia* Gray, 1851.

Pholadidea esmeraldensis (Olsson, 1961).

Hatasia esmeraldensis Olsson, 1961: 449, pl. 79, f. 5, a (*Hatasia* nom. null.).

1N. Intertidal. +25° +32°C. Recent.

Pholadidea melanura (Sowerby, 1834).

Pholas melanura Sowerby, 1834: 70; *Penitella wilsonii* Conrad, 1849b: 156.

1S-28N: 15N. Intertidal-50 m. +16° +31°C. Recent.

Pholadidea quadra (Sowerby, 1834).

Pholas quadra Sowerby, 1834: 71.
1S-10N: 5N. Intertidal-20 m. +24° +32°C. Recent.

Pholadidea tridens (Gray, 1843).¹⁰⁸

Talona tridens Gray in Dieffenback, 1843: 254.
Extralimital.

Pholadidea tubifera (Sowerby, 1834).

Pholas tubifera Sowerby, 1834: 71 (*tubifer* nom. null. auctt.)
1S-9N: 4N. Intertidal-20 m. +22° +32°C. Recent.

Subfamily Jouannetiinae Tryon, 1862.

nom. correct. Turner, 1955 pro Jouannetiinae.

Genus *Jouannetia* DesMoulins, 1828.

Subgenus *Jouannetia s.s.*

Jouannetia duchassaingii Fischer, 1862.

Jouannetia duchassaingii Fischer, 1862: 375, pl. 15, f. 3 (Deshayes MS).
1S-10N: 5N. Intertidal. +24° +32°C. Recent.

Subgenus *Pholadopsis* Conrad, 1849.

Jouannetia pectinata (Conrad, 1849).

Pholadopsis pectinata Conrad, 1849b: 156; *Triumphalia pulcherrima* Sowerby, 1849: 501, pl. 106, f. 58, 59; part. *T. cumingii* auctt. not Sowerby, 1849 (Japan).

7S-32N: 13N. Intertidal. +15° +32°C. Pliocene.

Genus *Netastoma* Carpenter, 1864.¹⁰⁹

Netastoma darwinii (Sowerby, 1849).

Pholas darwinii Sowerby, 1849: 490, pl. 107, f. 76, 77.

South Atlantic.

42S-54S: 48S. Intertidal. +1° +14°C. Recent.

Netastoma japonica (Yokoyama, 1920).

Jouannetia japonica Yokoyama, 1920: 105, pl. 7, f. 1a-c.

Northwest Pacific.

48N-54N. Intertidal. +4° +19°C. Recent.

Netastoma rostrata (Valenciennes, 1846).

Pholas rostrata Valenciennes in Petit-Thouars, 1846: pl. 24, f. 4, a; part. *P. darwinii* auctt. not Sowerby, 1849.

27N-50N: 39N. Intertidal-100 m. +6° +11°C. Pliocene.

Family Xylophagidae Purchon, 1941.

nom. correct., herein pro Xylophagiidae.

Genus *Xylophaga* Turton, 1822.

Xylophaga aurita Knudsen, 1961.

Xylophaga aurita Knudsen, 1961: 182, f. 24, 24.
7N. 915 m. +5° +6°C. Recent.

Xylophaga concava Knudsen, 1961.

Xylophaga concava Knudsen, 1961: 167, f. 4, 5.
6N-7N. 975-3670 m. +2° +5°C. Recent.

Xylophaga duplicata Knudsen, 1961.

Xylophaga duplicata Knudsen, 1961: 175, f. 14, 15.
7N. 915 m. +5° +7°C. Recent.

Xylophaga globosa Sowerby, 1835.

Xylophaga globosa Sowerby, 1835: 110; *Pholas gibbosa* Orbigny, 1846: 501.

12S-43S: 28S. 150-200 m. +5° +17°C. Recent.

Xylophaga mexicana Dall, 1908.

Xylophaga mexicana Dall, 1908c: 232, 425.
17N. 260 m. +14° +19°C. Recent.

Xylophaga obtusata Knudsen, 1961.

Xylophaga obtusata Knudsen, 1961: 192, 4, 35, 36.
7N. 915 m. +5° +7°C. Recent.

Xylophaga panamensis Knudsen, 1961.

Xylophaga panamensis Knudsen, 1961: 172, f. 10, 11.
7N. 975 m. +5° +7°C. Recent.

Xylophaga turnerae Knudsen, 1961.

Xylophaga turnerae Knudsen, 1961: 184, f. 26, 27.
7N. 915 m. +5° +7°C. Recent.

Xylophaga washingtona Bartsch, 1921.

Xylophaga washingtona Bartsch, 1921: 32; *X. californica* Bartsch, 1921: 32 (1st Reviser).

37N-55N: 46N. 15-2073 m. +2° +15°C. Recent.

Genus *Xyloredo* Turner, 1972.

Xyloredo naceli Turner, 1972.

Xyloredo naceli Turner, 1972: 9, pl. 6.
34N. 2073 m. +6° +8°C. Recent.

Family Teredinidae Rafinesque, 1815.

nom. correct. DeKay, 1843 pro Teredaria.

Subfamily Teredininae Rafinesque, 1815.

nom. transl. Stoliczka, 1871 ex Teredaria.

Genus *Lyrodus* Gould in Gould & Binney, 1870.

Lyrodus bipartita (Jeffreys, 1860).

Teredo bipartita Jeffreys, 1860: 123.

- Atlantic.
6N. 3670–3270 m. +2° +3°C. Recent.
- Lyrodus pedicellatus** (Quatrefages, 1849).
Teredo pedicellata Quatrefages, 1849: 26, pl. 1, f. 2; *T. pedicellata truncata* Jeffreys, 1865: 174 not *T. truncata* Quatrefages, 1849; *T. chlorotica* Gould, 1870: 33, f. 360; *T. diegensis* Bartsch, 1916: 48; *T. (Lyrodus) townsendi* Bartsch, 1922: 26, pl. 22, f. 2, pl. 33, f. 2; *T. (Teredops) floridana* Bartsch, 1922: 28, pl. 22, f. 1, pl. 34, f. 1; *T. (Teredops) hawaiensis* Dall, Bartsch & Rehder, 1938: 213, pl. 55, f. 6–8.
- Cosmopolitan in warm waters.
5S–38N: 17N. Floating. +23° +30°C. Recent.
- Genus **Psiloteredo** Bartsch, 1922.
- Psiloteredo healdi** (Bartsch, 1931).
Teredo (Neoteredo) healdi Bartsch, 1931a: 2, pl. 1, f. 1–5; *T. (Neoteredo) mirafloza* Bartsch, 1922: 31, pl. 24, 25 *nom. dub.*
- Atlantic.
9N. Floating. +25° +31°C. Recent.
- Genus **Teredo** Linné, 1758.
- Subgenus *Teredo s.s.*
- Teredo bartschi** Clapp, 1923.
Teredo (Teredo) bartschi Clapp, 1923: 33, pl. 3, 4 not Sivickis, 1928; *T. (Teredo) batilliformis* Clapp, 1924: 282, pl. 1, f. 1–6, pl. 3, f. 13, 14; *T. (Teredo) hiloensis* Edmonson, 1942: 113, f. 4d–h.
- Cosmopolitan in warm water.
23N: 24N. Floating. +16° +27°C. Recent.
- Teredo navalis** Linné, 1758.
Teredo navalis Linné, 1758: 651; *T. japonica* Clessin in Küster & Kobelt, 1893: 78, pl. 20, f. 9–11; *T. (Teredo) beachi* Bartsch, 1921: 29; *T. (Teredo) morsei* Bartsch, 1922: 21; *T. (Teredo) beaufortana* Bartsch, 1922: 22, pl. 32, f. 1; *T. navalis borealis* Roch, 1931: 27, f. 18.
- Cosmopolitan.
33N–50N: 42N. Floating. +5° +22°C. Recent.
- Genus **Uperotus** Guéttard, 1770.
- Uperotus panamensis** (Bartsch, 1922).
Teredo (Teredo) panamensis Bartsch, 1922: 34, pl. 27, f. 3, 4; ?*T. lieberkindi* Roch, 1931: 15, pl. 2, f. 5.
- Atlantic.
9N. 90–100 m. +25° +30°C. Recent.
- Subfamily Bankiinae Turner, 1966.
- Genus **Bankia** Gray, 1842.
- Subgenus *Bankia s.s.*
- Bankia martensi** (Stempell, 1899).
Teredo (Xylotrya) martensi Stempell, 1899: 240, pl. 12, f. 24–27 (*martenseni nom. van. auctt.*); *Bankia (Bankia) chiloensis* Bartsch, 1923b: 147; *B. odhneri* Roch, 1931: 20, pl. 4, f. 10; Roch, 1931: 215, pl. 25 (redescription); *B. valparaisensis* Moll in Roch & Moll, 1935: 273, pl. 2, f. 3; *B. argentinica* Moll, 1935: 274, pl. 2, f. 5.
- Atlantic.
42S–54S: 48S. Intertidal–20 m. +2° +11°C. Recent.
- Bankia setacea** (Tryon, 1863).
Xylotrya setacea Tryon, 1863: 144, pl. 1, f. 2, 3; *part. Teredo bipennata auctt. not Turton*, 1819 (*bipinnata nom. van. auctt.*); *Bankia sibirica* Roch, 1934: 446, pl. 2, f. 2; *B. (Neobankia) osumiensis* Mawatari & Kitamura, 1960: 70, 75, pl. 1, f. 13, 14.
- Northwest Pacific, Siberia.
33N–55N: 44N. Intertidal–90 m. +2° +25°C. Recent.
- Subgenus **Bankiella** Bartsch, 1921.
- Bankia gouldi** (Bartsch, 1908).
Xylotrya gouldi Bartsch, 1908: 211; *Bankia (Bankiella) mexicana* Bartsch, 1921: 27; *B. schrencki* Moll, 1935: 275, pl. 2, f. 7.
- Atlantic.
25N–28N: 27N. Intertidal–2 m. +22° +32°C. Recent.
- Subgenus **Neobankia** Bartsch, 1921.
- Bankia destructa** Clench & Turner, 1946.
Bankia (Neobankia) destructa Clench & Turner, 1946: 20, pl. 13, f. 1–4.
- Atlantic.
23N. Intertidal. +23° +30°C. Recent.
- Bankia orcutti** Bartsch, 1923.
Bankia (Neobankia) orcutti Bartsch, 1923a: 95; *B. nordi* Moll, 1935: 272; *Nausitora sajnakhaliensis* Rajagopal, 1964: 113, f. 4–6.
- Indo-Pacific.
26N–28N: 27N. Intertidal. +24° +31°C. Recent.
- Bankia zeteki** Bartsch, 1921.
Bankia (Neobankia) zeteki Bartsch, 1921: 26.
8N–23N: 16N. Intertidal–5 m. +18° +31°C. Recent.
- Subgenus **Plumulella** Clench & Turner, 1946.
- Bankia cieba** Clench & Turner, 1946.
Bankia (Plumulella) cieba Clench & Turner, 1946: 25, pl. 16, f. 1–4.
9N. Intertidal. +27° +32°C. Recent.
- Bankia fimbriatula** Moll & Roch, 1931.
Bankia fimbriatula Moll & Roch, 1931: 213, pl. 25, f. 37; *part. Teredo palmulata auctt. not Lamarck*, 1818; *Teredo fimbriata* Jeffreys, 1860: 126; *Bankia canalis* Bartsch, 1944: 1, pl. 1.
- Atlantic.
9N. Intertidal. +27° +32°C. Recent.
- Genus **Nausitora** Wright, 1864.
- Nausitora dryas** (Dall, 1909).
Xylotrya dryas Dall, 1909b: 162, 277, pl. 25, f. 2, 3, 5–7; *Bankia (Nausitora) jamesi* Bartsch, 1941: 1, pl. 1.
4S–22N: 9N. Intertidal–5 m. +19° +31°C. Recent.
- Nausitora excolpa** (Bartsch, 1922).
Bankia (Nausitora) excolpa Bartsch, 1922: 13, pl. 8, f. 2, pl. 31, f. 4.
1S–23N: 11N. Intertidal. +19° +31°C. Recent.
- Nausitora saulii** Wright, 1866.
Nausitora saulii Wright, 1866: 567, pl. 67, f. 9–15.
12S. Intertidal. +19° +27°C. Recent.
- Subclass Anomalodesmata Dall, 1889.
nom. transl. et correct. Keen, 1963 ex Anomalodesmacea.
- Order Pholadomyoidea Newell, 1965.
- Superfamily PANDORACEA Rafinesque, 1815.
nom. transl. Stewart, 1930 ex Pandoridae.
- Family Pandoridae Rafinesque, 1815.
nom. correct. Gray, 1840 *pro* Pandoracia.
- Genus **Pandora** Bruguière, 1797.
- Subgenus *Pandora s.s.*
- Pandora brevifrons** Sowerby, 1875.
Pandora brevifrons Sowerby, 1835: 93.
9N–26N: 18N. 15–20 m. +18° +27°C. Recent.
- Pandora uncifera** Pilsbry & Lowe, 1932.
Pandora uncifera Pilsbry & Lowe, 1932: 104, pl. 17, f. 17–19.
13N–30N: 22N. 10–30 m. +15° +29°C. Recent.
- Subgenus **Clidiophora** Carpenter, 1864.
- Pandora arcuata** Sowerby, 1835.
Pandora arcuata Sowerby, 1835: 93; *P. claviculata* Carpenter, 1856b: 228; *Clidiophora cristata* Carpenter, 1864c: 597.
4S–30N: 13N. 10–15 m. +14° +30°C. Recent.

Subgenus *Foveadens* Dall, 1915.

Pandora panamensis (Dall, 1915).

Foveadens panamensis Dall, 1915b: 451.
8N–13N: 11N. 10–40 m. +29° +27°C. Recent.

Subgenus *Frenanya* Iredale, 1930.

Pandora radians (Dall, 1915).

Coelodon radians Dall, 1915b: 450.
12N–27N: 20N. 10–15 m. +21° +28°C. Recent.

Subgenus *Heteroclidus* Dall, 1903.

Pandora punctata Conrad, 1837.

Pandora punctata Conrad, 1837: 228, pl. 17, f. 1; *P. depressa* auctt. not Sowerby, 1830.
28N–55N: 42N. 2–50 m. +5° +19°C. ?Miocene.

Subgenus *Pandorella* Conrad, 1863.

Pandora bilirata Conrad, 1855.

Pandora bilirata Conrad, 1855: 267; *P. (Kennerlia) biscarinata* Carpenter, 1864c: 638.
37N–60N: 49N. 5–250 m. +3° +19°C. Pliocene.

Pandora braziliensis Sowerby, 1874.

Pandora braziliensis Sowerby in Reeve, 1874: 19 *Pandora* pl. 2, sp. 15 (Gould MS); *P. diffissa* Mabile & Rochebrune in Rochebrune & Mabile, 1889: 103.

Atlantic.

50S–54S: 52S. 50–200 m. +2° +9°C. Recent.

Pandora cistula Gould, 1850.

Pandora cistula Gould, 1850: 217; *Kennerlyia patagonica* Dall, 1915b: 450.
40S–54S: 47S. 20–150 m. +2° +14°C. Recent.

Pandora cornuta C. B. Adams, 1852.

Pandora cornuta C. B. Adams, 1852: 519, 547; *Clidiophora acutedentata* Carpenter, 1864d: 598.
9N. Depth unknown. Recent.

Pandora filosa (Carpenter, 1864).

Kennerlia filosa Carpenter, 1864c: 602, 638.
32N–60N: 46N. 20–300 m. +1° +18°C. Pliocene.

Pandora glacialis Leach, 1819.

Pandora glacialis Leach in Ross, 1819: 174; *Kennerlyia glacialis eutaenia* Dall, 1915b: 449.

Panarctic and circumboreal.

48N–71N: 59N. 5–340 m. +1° +12°C. Pliocene.

Pandora granulata Dall, 1915: 449.

Kennerlyia granulata Dall, 1915b: 449.
29N–24N: 27N. 5–20 m. +17° +29°C. Recent.

Pandora radiata Sowerby, 1835.

Pandora radiata Sowerby, 1835: 44; *Kennerlyia convexa* Dall, 1915b: 449.
23N–28N: 26N. 15–140 m. +15° +29°C. Recent.

Pandora rhyphis Pilsbry & Lowe, 1932.

Pandora (Kennerlia) rhyphis Pilsbry & Lowe, 1932: 105, pl. 16, f. 8–11.
13N. 80 m. +15° +27°C. Recent.

Pandora wardiana A. Adams, 1859.

Pandora wardiana A. Adams, 1859: 487; *P. (Kennerlia) grandis* Dall, 1877: 5; *Kennerlyia forresterensis* Willett, 1918: 134; *Pandora wajampolkensis* Slodkevich, 1938: 269, pl. 59, f. 1, a, b; *P. gretschischkini* Slodkevich, 1938: 270, pl. 59, f. 2, a, b.

Northwest Pacific.

47N–57N: 52N. 40–200 m. +1° +12°C. Pliocene.

Family Lyonsiidae Fischer, 1887.

Genus *Agriodesma* Dall, 1909.¹¹⁰

Agriodesma brevifrons (Sowerby, 1834).

Lyonsia brevifrons Sowerby, 1834: 78.
2S. 10–15 m. +15° +28°C. Recent.

Agriodesma saxicola (Baird, 1863).

Lyonsia saxicola Baird, 1863a: 70; *Entodesma saxicola cylindracea* Carpenter, 1864c: 638; *E. saxicola truncatissimus* Pilsbry, 1895: 137, pl. 3, f. 11, 12.

Northwest Pacific.

33N–56N: 45N. Intertidal–20 m. +3° +20°C. Recent.

Agriodesma sechurana Pilsbry & Olsson, 1935.

Entodesma (Agriodesma) sechurana Pilsbry & Olsson, 1935: 18, pl. 1, f. 6–8.
4S–10N: 3N. 10–40 m. +17° +29°C. Recent.

Genus *Allogramma* Dall, 1903.

Allogramma amabilis (Dall, 1913).¹¹¹

Lyonsia (Allogramma) amabilis Dall, 1913: 594.
34N 550 m. *nom. dub.* Recent.

Genus *Entodesma* Philippi, 1845.

Subgenus *Entodesma s.s.*

Entodesma chilensis Philippi, 1845.

Entodesma chilensis Philippi, 1845: 53 (*chiloensis nom. van. auctt.*).
33S–46S: 39S. Intertidal–5 m. +6° +19°C. Recent.

Entodesma cuneatum (Gray, 1828).

Anatina cuneata Gray, 1828: 6, pl. 3, f. 14; *part. Lyonsia navicula* auctt. not Adams & Reeve, 1850 (Indo-Pacific).
19S–40S: 30S. Intertidal–2 m. +8° +26°C. Recent.

Entodesma pictum (Sowerby, 1834).

Lyonsia picta Sowerby, 1834: 88; *L. inflata* Conrad, 1837: 248, pl. 19, f. 10; *L. diaphana* Carpenter, 1856b: 228; *Entodesma spongiophila* Dall, 1871: 143 *nom. nud.*
4S–37N: 17N. Intertidal–40 m. +14° +28°C. Recent.

Entodesma scammoni Dall, 1871.¹¹²

Entodesma scammoni Dall, 1871: 142, pl. 16, f. 3.
55N. Depth unknown. Recent.

Subgenus *Phlycticoncha* Bartsch & Rehder, 1940.

Entodesma lucasanum (Bartsch & Rehder, 1939).

Lyonsia lucasana Bartsch & Rehder, 1939b: 12, pl. 4, f. 1–3.
16N–23N: 20N. Intertidal–20 m. +19° +30°C. Recent.

Genus *Lyonsia* Turton, 1822.

Subgenus *Lyonsia s.s.*

Lyonsia arenosa (Møller, 1842).

Pandorina arenosa Møller, 1842:20; *Ostodesma aeruginosa* Mighels, 1844: 187; *Lyonsia gibbosa* Hancock, 1846: 338, pl. 5, f. 11, 12 not Orbigny, 1850; *L. (Pandorina) flabellata* Gould, 1861: 23; *L. ventricosa* Gould, 1861: 23; *Pandorina becki* Leche, 1878: 11 (Møller MS); *L. arenosa sibirica* Leche, 1883: 439, pl. 32, f. 3, 4.

Panarctic, circumboreal.

64N–71N: 68N. 15–100 m. –2° +5°C. Pliocene.

Lyonsia bracteata (Gould, 1850).

Ostodesma bracteata Gould, 1850: 217; *part. Mya striata* auctt. not Montagu, 1815 (Atlantic); *Lyonsia pugetensis* Dall, 1913: 595.
47N–56N: 52N. 10–40 m. +6° +15°C. Recent.

Lyonsia californica Conrad, 1837.

Lyonsia californica Conrad, 1837: 248, pl. 19, f. 20 (not 21); *part. Mya striata* auctt. not Montagu, 1815 (Atlantic); *part. Lyonsia hyalina* auctt. not Conrad, 1831 (Atlantic); *Ostodesma nitidum* Gould, 1853: 390, pl. 15, f. 6 not *Mya nitida* Fabricius, 1798; *Lyonsia gouldii* Dall, 1915: 453; *L. californica haroldi* Dall, 1915b: 453.
17N–55N: 36N. Intertidal–100 m. +6° +18°C. Pliocene.

Lyonsia delicata Marincovich, 1973.

Lyonsia delicata Marincovich, 1973: 15, f. 23, 24.
20S. Intertidal. +14° +29°C. Recent.

Lyonsia elegantula Soot-Ryen, 1957.

Lyonsia elegantula Soot-Ryen, 1957a: 3; Soot-Ryen, 1959: 36, pl. 1, f. 10 (redescription).
42S. 45 m. +6° +15°C. Recent.

- Lyonsia fretalis* Dall, 1915.
Lyonsia fretalis Dall, 1915b: 454.
 37S–54S: 46S. 10–40 m. +2° +17°C. Recent.
- Lyonsia nesioties* Dall, 1915.
Lyonsia californica nesioties Dall, 1915b: 453; *part. L. californica auctt.*
 not Conrad, 1837.
 33N–55N: 44N. 10–120 m. +8° +23°C. Recent.
- Sensu lato.*
- Lyonsia panamensis* Dall, 1908.¹¹³
Lyonsia panamensis Dall, 1908c:222, 427, pl. 18, f. 12.
 7N. 1017 m. +4° +6°C. Recent.
- Genus *Mytilimeria* Conrad, 1837.
- Mytilimeria nuttalli* Conrad, 1837.
Mytilimeria nuttalli Conrad, 1837: 247.
 30N–57N: 44N. Intertidal–45 m. +4° +17°C. Recent.
- Superfamily THRACIACEA Stoliczka, 1870.¹¹⁴
nom. transl., herein *ex* Thraciinae.
- Family Thraciidae Stoliczka, 1870.
nom. transl. Dall, 1903 *ex* Thraciinae.
- Genus *Asthenothaerus* Carpenter, 1864.
- Asthenothaerus villosior* Carpenter, 1864.
Asthenothaerus villosior Carpenter, 1864b: 311; *Thracia diegensis* Dall,
 1915b: 443.
 23N–34N: 30N. 2–50 m. +11° +24°C. Recent.
- Genus *Bushia* Dall, 1886.
- Bushia panamensis* Dall, 1890.
Bushia elegans panamensis Dall, 1890a: 275.
 8N. 93 m. +19° +25°C. Recent.
- Genus *Cyathodonta* Conrad, 1849.
- Cyathodonta dubiosa* Dall, 1915.
Cyathodonta dubiosa Dall, 1915b: 445; *Thracia plicata auctt.* not Deshayes, 1832; *part. Cyathodonta undulata auctt.* not Conrad, 1849; *C. pedroana* Dall, 1915b: 445.
 14N–34N: 24N. 5–30 m. +8° +29°C. Recent.
- Cyathodonta lucasana* Dall, 1915.
Cyathodonta lucasana Dall, 1915b: 445.
 17N–24N: 21N. Intertidal. +18° +32°C. Recent.
- Cyathodonta undulata* Conrad, 1849.
Cyathodonta undulata Conrad, 1849: 156; *Thracia plicata auctt.* not Deshayes, 1832; 1039 *nom. dub.*; *part. T. magnifica auctt.* not Jonas, 1850 (Caribbean); *Cyathodonta undulata peruviana* Olsson, 1961: 459, pl. 83, f. 2, a, b; *C. tumbesiana* Olsson, 1961: 460, pl. 83, f. 1, a.
 4S–31N: 14N. Intertidal–110 m. +14° +31°C. Pliocene.
- Genus *Thracia* Sowerby, 1823.
- Subgenus *Thracia s.s.*
- Thracia anconensis* Olsson, 1961.
Thracia anconensis Olsson, 1961: 458, pl. 83, f. 4, a.
 2S. Depth unknown. Recent.
- Thracia colpoica* Dall, 1915.
Thracia colpoica Dall, 1915b: 443.
 4S–24S: 10N. Intertidal–165 m. +13° +30°C. Recent.
- Thracia squamosa* Carpenter, 1856.
Thracia squamosa Carpenter, 1856b: 229.
 19N–25N: 22N. Intertidal–10 m. +19° +32°C. Recent.
- Thracia trapezoides* Conrad, 1849.
Thracia trapezoides Conrad, 1849: 723, pl. 17, f. 6a; *part. T. curta auctt.* not Conrad, 1837; ?*T. schenki* Tegland, 1933: 112, pl. 6, f. 6–11.
 34N–61N: 48N. 20–200 m. +2° +20°C. Miocene.
- Subgenus *Crassithracia* Soot-Ryen, 1941.
- Thracia beringi* Dall, 1915.
Thracia beringi Dall in Cooper, 1894: 2 *nom. nud.*; Dall, 1915b: 442;
- Macoma truncaria* Dall, 1916a: 37 *nom. nud.*; 1916b: 414.
 49N–60N: 55N. 30–90 m. +3° +14°C. Recent.
- Thracia challisiana* Dall, 1915.
Thracia challisiana Dall, 1915b:443.
 37N–55N: 46N. 30–70 m. +5° +17°C. Recent.
- Subgenus *Ixartia* Gray, 1852.
- Thracia curta* Conrad, 1837.
Thracia curta Conrad, 1837: 248, pl. 19, f. 8.
 23N–45N: 34N. 45–120 m. +2° +11°C. Recent.
- Thracia devexa* G. O. Sars, 1878.
Thracia truncata devexa G. O. Sars, 1878: 84, pl. 6, f. 11a, b.
 Panarctic, North Atlantic.
 56N–60N: 58N. 60–150 m. +1° +8°C. Recent.
- Thracia myopsis* Møller, 1842.
Thracia myopsis Møller, 1842: 21 (Beck MS); *T. couthouyi* Stimpson, 1851: 8; *T. truncata* G. O. Sars, 1878: 84, pl. 6, f. 10a, b not Mighels & Adams, 1842 not Brown, 1844.
 Panarctic, circumboreal.
 55N–60N: 58N. 50–250 m. +2° +11°C. Recent.
- Family Periplomatidae Dall, 1895.
nom. correct. Dall, 1900 *pro* Periplomatidae.
- Genus *Halistrepta* Dall, 1904.
- Halistrepta myrae* (Rogers, 1962).
Periploma (Halistrepta) myrae Rogers, 1962: 229, f. 1, 2.
 26N. 27–45 m. +22° +31°C. Recent.
- Halistrepta sulcata* (Dall, 1904).
Periploma sulcata Dall, 1904b: 122.
 34N. Depth unknown. Recent.
- Genus *Periploma* Schumacher, 1817.
- Subgenus *Periploma s.s.*
- Periploma aleuticum* (Krause, 1885).
Anatina aleutica Krause, 1885: 38, pl. 3, f. 4; *part. Periploma fragilis auctt.* not Totten, 1835 (Atlantic); *P. simplex auctt.* not Orbigny, 1845; *P. alaskanum* Williams, 1940: 37, f. 1.
 60N–71N: 66N. 10–100 m. –2° +9°C. Recent.
- Periploma carpenteri* Dall, 1896.
Periploma carpenteri Dall, 1896a: 20.
 7N. 5–380 m. +11° +30°C. Recent.
- Periploma discus* Stearns, 1891.
Periploma discus Stearns, 1891:222, pl. 16, f. 1, 2.
 23N–37N: 30N. Intertidal–40 m. +16° +29°C. Recent.
- Periploma lagartillum* Olsson, 1961.
Periploma (Periploma) lagartilla Olsson, 1961: 463, pl. 82, f. 5, a.
 8N. Depth unknown. Recent.
- Periploma lenticulare* Sowerby, 1834.
Periploma lenticularis Sowerby, 1834: 87; *Anatina alta* C. B. Adams, 1852: 294; *Periploma excurva* Carpenter, 1856b: 229 (*excurvata nom. null. auctt.*).
 3S–8N: 3N. Intertidal. +19° +32°C. Recent.
- Periploma planiusculum* Sowerby, 1834.
Periploma planiuscula Sowerby, 1834: 87; *part. leana auctt.* not Conrad, 1831 (Atlantic); *P. argentaria* Conrad, 1837: 238, pl. 18, f. 8; *P. obtusa* Hanley, 1842: pl. 2, f. 50; *P. papyracea* Carpenter, 1856b: 229.
 4S–34N: 15N. 1–20 m. +11° +29°C. Pliocene.
- Periploma stearnsii* Dall, 1896.
Periploma stearnsii Dall, 1896a: 19.
 23N–32N: 27N. 15–44 m. +14° +29°C. Recent.
- Periploma teevani* Hertlein & Strong, 1946.
Periploma teevani Hertlein & Strong, 1946: 95, pl. 1, f. 2, 6.
 16N. 55 m. +16° +27°C. Recent.
- Subgenus *Albimanus* Pilsbry & Olsson, 1935.

Periploma pentadactylus Pilsbry & Olsson, 1935.
Periploma (Albimanus) pentadactylus Pilsbry & Olsson, 1935: 118, pl. 6, f. 5-7.
9N-13N: 11N. Intertidal. +24° +31°C. Recent.

Family Laternulidae Hedley, 1918.

Genus *Laternula* Röding, 1798.

Subgenus *Laternulina* Habe, 1952.

Laternula limicola (Reeve, 1864).¹¹⁵
Anatina limicola Reeve, 1864: 14 *Anatina* pl. 4, sp. 27.

Northwest Pacific.

43N. Intertidal. Recent.

Superfamily VERTICORDIACEA Stoliczka, 1871.
nom. transl. Bernard, 1974 ex Verticordiidae.

Family Verticordiidae Stoliczka, 1871.

Genus *Halicardia* Dall, 1895.

Halicardia perplicata (Dall, 1890).
Verticordia perplicata Dall, 1890a: 278, pl. 8, f. 1.

Galapagos Islands.

1S-59N: 29N. 1000-1500 m. +2° +7°C. Recent.

Genus *Haliris* Dall, 1886.

Haliris aequacostata (Howard, 1950).
Verticordia aequacostata Howard, 1950: 109, pl. 7.

Galapagos Islands.

1S-33N: 16N. 135-200 m. +10° +14°C. Recent.

Haliris spinosa (Bernard, 1969).
Verticordia (Haliris) spinosa Bernard, 1969: 2233, f. 5.
24N. 275 m. +25° +27°C. Recent.

Genus *Lyonsiella* G. O. Sars, 1872 (M. Sars MS).

Lyonsiella magnifica Dall, 1913.
Lyonsiella magnifica Dall, 1913: 595; Dall, 1925: 19, pl. 23, f. 2 (Redescription).
23N. 115 m. +13° +18°C. Recent.

Lyonsiella pacifica Dall, 1908.
Lyonsiella pacifica Dall, 1908c: 428.
27S (105W). 2090 m. Recent.

Lyonsiella parva Okutani, 1962.
Lyonsiella parva Okutani, 1962:29, pl. 3, f. 7; *L. (Lyonsiella) quaylei* Bernard, 1969: 2232, f. 3.

Northwest Pacific.

33N-52N: 42N. 350-1800 m. +2° +9°C. Recent.

Genus *Policordia* Dall, Bartsch, & Rehder, 1939.

Policordia alaskana Dall, 1895.
Lyonsiella alaskana Dall, 1895a: 703, pl. 25, f. 2.
9N-55N: 32N. 800-3570 m. +2° +7°C. Recent.

Policordia radiata (Dall, 1890).
Lyonsiella radiata Dall, 1889a:442, *nom. nud.*; 1890a: 276, pl. 8, f. 7.
53S. 675 m. +1° +4°C. Recent.

Genus *Verticordia* Sowerby, 1844.

Subgenus *Verticordia s.s.*

Verticordia hancocki Bernard, 1969.
Verticordia (Trigonulina) hancocki Bernard, 1969: 2233, f. 6.
3N. 73-109 m. +14° +19°C. Recent.

Verticordia ornata (Orbigny, 1853).
Trigonulina ornata Orbigny, 1853: 292, pl. 27, f. 30-33; *?Hippagus novemcostatus* Adams & Reeve, 1850: 76, pl. 24, f. 1; *Verticordia caelata* Verrill, 1882: 566, pl. 30, f. 9, a.

Atlantic, Galapagos Islands.

1S-34N: 17N. 15-170 m. +11° +19°C. Recent.

Order SEPTIBRANCHIDA Pelseneer, 1888¹¹⁶
nom. transl. Purchon, 1959, *emend.* Bernard, 1979
et correct. herein ex Septibranchia.

Superfamily POROMYACEA Dall, 1886.
nom. transl. Dall, 1895 ex Poromyidae.

Family Poromyidae Dall, 1886.

Genus *Poromya* Forbes, 1844.

Subgenus *Poromya s.s.*

Poromya perla Dall, 1908.
Poromya perla Dall, 1908c: 428, pl. 18, f. 2, f.
3N-24N: 14N. 1950-3500 m. +2° +3°C. Recent.

Subgenus *Cetoconcha* Dall, 1886.

Poromya malespinae (Dall, 1916).
Cetoconcha malespinae Ridewood, 1903: 272 *nom. nud.*; Dall, 1916a: 22
nom. nud.; 1916b: 407 (*malespinae nom. van. auctt.*)
45N-55N: 40N. 2100-2900 m. +1° +2°C. Recent.

Poromya scapha (Dall, 1902).
Cetoconcha scapha Dall, 1902a: 561.
6N. 183 m. +15° +19°C. Recent.

Poromya smithii (Dall, 1908).
Cetoconcha smithii Dall, 1908c:222, 431, pl. 18, f. 10.
15N. 3400 m. +2° +3°C. Recent.

Subgenus *Dermatomya* Dall, 1889.

Poromya beringiana (Dall, 1916).
Dermatomya beringiana Dall, 1916a: 22 *nom. nud.*; 1916b: 406. Bering
Sea.
51N. 1921 m. +2° +3°C. Recent.

Poromya buttoni (Dall, 1916).
Dermatomya buttoni Dall, 1916a:22 *nom. nud.*; 1916b: 407.
33N-37N: 35N. 1000-2000 m. +3° +4°C. Recent.

Poromya canadensis Bernard, 1969.
Poromya (Dermatomya) canadensis Bernard, 1969: 2232, f. 4.
48N. 977 m. +2° +3°C. Recent.

Poromya chilensis Dall, 1908.
Poromya (Dermatomya) chilensis Dall, 1908c: 430.
48S. 822 m. +2° +3°C. Recent.

Poromya equatorialis Dall, 1908.
Poromya (Dermatomya) equatorialis Dall, 1908c: 222, 429, pl. 5, f. 1, 2.
1S-6N: 3N. 1350-3060 m. +2° +3°C. Recent.

Poromya leonina (Dall, 1916).
Dermatomya leonina Dall, 1916a:22 *nom. nud.*; 1916b: 407.
46N-53N: 50N. 1150-2200 m. +1° +2°C. Recent.

Poromya mactroides Dall, 1889.
Poromya (Dermatomya) mactroides Dall, 1889a: 448.
52S-25N: 14S. 600-1000 m. +2° +3°C. Recent.

Poromya tenuiconcha Dall, 1913.
Poromya (Dermatomya) tenuiconcha Dall, 1913: 596; *P. (Dermatomya) soyoae* Habe, 1952: 274; *Dermatomya tenuiconcha sagamiensis* Okutani, 1962: 32, pl. 3, f. 3, pl. 5, f. 8, a.

Northwest Pacific.

36N-55N: 46N. 800-1200 m. +2° +4°C. Recent.

Poromya trosti Strong, & Hertlein, 1937.
Poromya trosti Strong, & Hertlein, 1937: 163, pl. 34, f. 3-6.
33N:34N. 35-400 m. +6° +17°C. Recent.

Superfamily Cuspidariacea Dall, 1886.
nom. transl. Scarlato & Starobogatov in Nevesskaya *et al*, 1971
ex Cuspidariidae.

Family Cuspidariidae Dall, 1886.

Genus *Cardiomya* A. Adams, 1864.

Cardiomya balboae (Dall, 1916).

Cuspidaria (Cardiomya) balboae Dall, 1916a: 23 *nom. nud.*; 1916b: 407.

Galapagos Islands.

0–34N: 17N. 45–170 m. +9° +19°C. Recent.

Cardiomya californica (Dall, 1886).

Cuspidaria (Cardiomya) californica Dall, 1886: 296.

Galapagos Islands.

0–55N: 27N. 15–640 m. +5° +15°C. Recent.

Cardiomya costata (Sowerby, 1834).

Anatina costata Sowerby, 1834: 87 not *Neaera costata* Bush, 1883; *Cuspidaria (Cardiomya) dulcis* Pilsbry & Lowe, 1932: 104, pl. 17, f. 20–22.

Galapagos Islands.

1S–34N: 17N. 15–95 m. +10° +19°C. Recent.

Cardiomya curta (Jeffreys, 1882).

Neaera curta Jeffreys, 1876: 495 *nom. nud.*; 1882: 943, pl. 71, f. 10; not *N. multicosatus curta* Verrill, 1882.

Circumboreal in deep water.

45N–54N: 50N. 730–2200 m. +1° +3°C. Recent.

Cardiomya didyma (Hinds, 1843).

Neaera didyma Hinds, 1843b: 78.

9N–30N: 25N. 15–50 m. +13° +30°C. Recent.

Cardiomya ecuadoriana (Olsson, 1961).

Cuspidaria (Cardiomya) ecuadoriana Olsson, 1961: 465, pl. 83, f. 3. 1S–29N: 14N. 55–150 m. +13° +19°C. Recent.

Cardiomya isolirata Bernard, 1969.

Cardiomya isolirata Bernard, 1969: 2231, f. 1; *part. Cuspidaria balboae auct.* not Dall, 1916.

23N–34N: 30N. 55–190 m. +4° +11°C. Recent.

Cardiomya lanieri (Strong & Hertlein, 1937).

Cuspidaria (Cardiomya) lanieri Strong & Hertlein, 1937: 162, pl. 34, f. 8.

Galapagos Islands.

1S–30N: 15N. 15–240 m. +7° +30°C. Recent.

Cardiomya oldroydi (Dall, 1924).

Cuspidaria (Cardiomya) oldroydi Dall in Oldroyd, 1924: 33, pl. 1, f. 13. 48N–60N: 54N. 45–210 m. +2° +12°C. Recent.

Cardiomya pectinata (Carpenter, 1865).

Neaera pectinata Carpenter, 1864d: 602, 637 *nom. nud.*; 1865f: 54; *N. behringensis* Leche, 1883: 438, pl. 32, f. 1, 2; *Cardiomya robiginosa* Okutani & Sakurai, 1964: 23, pl. 1, f. 3; *C. behringensis okutani* Scarlato, 1972: 122, f. 4–7.

Northwest Pacific.

28N–60N: 44N. 5–270 m. +4° +14°C. Recent.

Cardiomya planetica (Dall, 1908).

Cuspidaria (Cardiomya) planetica Dall, 1908c: 222, 433. 28N–60N: 44N. 25–605 m. +2° +13°C. Recent.

Cardiomya pseustes (Dall, 1908).

Cuspidaria (Cardiomya) pseustes Dall, 1908c: 222, 432. 7N–49N: 28N. 2000–3000 m. +1° +2°C. Recent.

Genus *Cuspidaria* Nardo, 1840.

Subgenus *Cuspidaria s.s.*

Cuspidaria apodema Dall, 1916.

Cuspidaria apodema Dall, 1916a: 23 *nom. nud.*; 1916b: 407. 43N–55N: 49N. 1000–2900 m. +1° +2°C. Recent.

Cuspidaria chilensis Dall, 1908.

Cuspidaria (Luzonia) chilensis Dall, 1908c: 282, pl. 13, f. 13. 38S–11N: 14N. 1200–1900 m. +3° +4°C. Recent.

Cuspidaria cowani Bernard, 1967.

Cuspidaria (Cuspidaria) cowani Bernard, 1967: 2629, pl. 1. 53N. 1318 m. +2° C. Recent.

Cuspidaria filatovae Bernard, 1979.

Cuspidaria filatovae Bernard, 1979: 14, f. 1. 45N: 46N. 3500–3990 m. +2°C. Recent.

Cuspidaria glacialis (G. O. Sars, 1878).

Neaera glacialis G. O. Sars, 1878: 88, pl. 6, f. 8a–c.

Panarctic, circumboreal.

59N–71N: 65N. 20–460 m. –2° +6°C. Recent.

Cuspidaria haasi Knudsen, 1970.

Cuspidaria haasi Knudsen, 1970: 145, f. 102, 103. 9N. 3570 m. +2°C. Recent.

Cuspidaria murrayi (E. A. Smith, 1885).

Neaera murrayi E. A. Smith, 1885: 319. 35N (170E). 5307 m. +1°C. Recent.

Cuspidaria panamensis Dall, 1908.

Cuspidaria panamensis Dall, 1908c: 222, 432, pl. 16, f. 2. 7N. 915–1281 m. +2° +8°C. Recent.

Cuspidaria parapodema Bernard, 1969.

Cuspidaria parapodema Bernard, 1969: 2232, f. 2; *part. Neaera obesa auct.* not Lovén, 1846 (Atlantic) *part. C. adopema auct.* not Dall, 1916. R. 28N–34N: 31N. 50–320 m. +6° +14°C. Recent.

Cuspidaria parkeri Knudsen, 1970.

Cuspidaria parkeri Knudsen, 1970: 150, f. 108, 109. 23N. 2790–2817 m. +3° +4°C. Recent.

Cuspidaria patagonica (E. A. Smith, 1885).

Neaera patagonica E. A. Smith, 1885: 39, pl. 7, f. 5, a, b. 50S. 302 m. +2° +5°C. Recent.

Cuspidaria subglacialis Dall, 1913.

Cuspidaria subglacialis Dall, 1913: 593. 31N–48N: 40N. 2030 m. +2° +3°C. Recent.

Cuspidaria variola Bernard, 1979.

Cuspidaria variola Bernard, 1979: 16, f. 2. 45N–48N: 47N. 2850–3585 m. +2°C. Recent.

Genus *Myonera* Dall, 1886.

Myonera garretti Dall, 1908.

Myonera garretti Dall, 1908c: 222, 434, pl. 5, f. 4. 4N. 1650 m. +3° +4°C. Recent.

Myonera mexicana Knudsen, 1970.

Myonera mexicana Knudsen, 1970: 134, f. 91, 92; *part. M. garretti auct.* not Dall, 1908. 14N–57N: 36N. 1110–3557 m. +2° +4°C. Recent.

Myonera tillamookensis Dall, 1916.

Myonera tillamookensis Dall, 1916a: 23 *nom. nud.*; 1916b: 407. 45N–51N: 48N. 1400–2200 m. +2° +3°C. Recent.

Genus *Plectodon* Carpenter, 1864.

Plectodon scaber Carpenter, 1864.

Plectodon scaber Carpenter, 1864c: 611, 638.

Galapagos Islands.

1S–34N: 17N. 20–250 m. +9° +27°C. Recent.

NOTES

1. *Acila divaricata* (Hinds 1843) has been recorded from the eastern Bering Sea (Neiman 1963). Though I have been unable to examine specimens, I suspect a mislabelling here and correct identification should be *A. castrensis* (Hinds 1843).
2. *Nucula colombiana* (Dall 1908) was recorded as extending to southern Chile in 735 m in the original description. Examination of material in the USNM shows the Chilean specimens it should be assigned to a new species and *N. colombiana* reserved for shallow water, tropical representatives.
3. *Nucula linki* (Dall 1916) was identified (Dall 1921) from northern deep water locations, this record probably represents a new species.
4. *Nucula panamina* (Dall 1908) has been identified from more than 1900 m off California (Knudsen 1970). I believe this material is referable to *N. cardara* (Dall 1916).
5. *Malletia koltzoffi* (Hägg 1904) has been merged with the Atlantic *M. cuneata* Jeffreys, 1876, by Knudsen (1980) though I believe them to be distinct species.
6. *Saurnia californica* (Dall 1916) has not been recognized since its description. The holotype is juvenile and probably represents an extralimital species.
7. *Nuculana peruviana* (Dall 1908) appears to be a good species, but not collected since its description. The name is preoccupied by Dall 1898 which was a replacement name for *Leda acuminata* (Nelson 1870) not Orbnigny, 1850. I am not now proposed a *nom. nov.*, awaiting more material.
8. *Nuculana rhytida* (Dall 1908) has for its type location Acapulco, Mexico, but the specimen label says Chile, and it almost certainly belongs to the Chilean fauna.
9. *Yoldia martyria* (Dall 1897) was recorded from the Gulf of California in about 120 m, but examination of the material in the USNM suggests this record should be assigned to a new species.
10. *Barbatia solidula* (Dunker 1868) the type locality was cited as the Gulf of California, but the species is extralimital and has previously been rejected by Keen (1971) and possibly a senior name for the Japanese *Arca stearnsii* Pilsbry 1895.
11. *Barbatia divaricata* (Sowerby 1833) is a widely distributed Indo-Pacific species, recognized from Clipperton Island by Hertlein & Allison (1966) as *Arca laysana* (Dall, Bartsch & Rehder 1938).
12. *Anadara transversa* (Say 1822) has been reported as accidentally introduced to San Francisco Bay with Atlantic oysters (Packard 1918; Hanna 1939), but it has not become established.
13. *Anadara auricula nom. nov.* This is a valid species. It may be distinguished from *A. formosa* (Sowerby 1833) by the more elongate form, fewer ribs and lack of the hirsute epidermis. It is known only from Ecuador.
14. *Bathyarca* is according to Knudsen (1970) referable to *Acar* and *Arca* and is characterized by polymorphism, most recognized Pacific species falling in the synonymy of *Arca orbiculata* (Dall 1881). Having examined all available material and many holotypes of described species, I consider each of these taxa distinct and accord *Bathyarca* generic status.
15. *Glycymeris profunda* (Dall 1878) was described from Californian Tertiary fossil material, worn and displaying ribs. Several authors following Willett (1943) have identified modern material with it. In my opinion it represents *G. corteziensis* Dall 1916, but further comparative work is necessary to substantiate this view.
16. *Ischadium recurvum* (Rafinesque 1820) was recorded from Newport Bay, California (Dall 1921), based on a single, living specimen. It is not established, and the record may be an error.
17. *Mytilus californianus* (Conrad 1837) has been assigned to the subgenus *Crenomytilus* (Soot-Ryen 1955) by some workers, but the lack of pits on the resilial ridge suggest it may best be treated as *Mytilus sensu stricto*. The species was widely distributed throughout the northern Pacific in the Pliocene and Pleistocene, but now appears limited to the northeastern Pacific.
18. *Mytilus chilensis* (Hupé 1854) is not separable from *M. edulis* (Linné 1758) using shell characters, but the absence of either species from the tropical zones makes them separate since at least the Miocene; however there may have been considerable mixing of stocks since the fifteenth century, due to shipping activities.
19. *Lioberus* (Dall 1898) is placed by the *Treatise on Invertebrate Paleontology* in the Crenellinae, but, despite the presence of siphons, anatomically it is closer to the Modiolinae.
20. *Lioberus splendidus* (Dunker 1857) was described from California in a paper dealing with a wide array of mytilids from the Cuming Collection. Nothing like this species has subsequently been found on the West Coast. I have examined the type in the British Museum (Natural History) and consider it probably referable to the west Atlantic *L. castaneus* (Say 1822).
21. *Modiolus kurilensis nom. nov.* is proposed to replace *Volsella difficilis* (Kuroda & Habe 1950) preoccupied by *Modiola difficilis* (Deshayes 1863) from Reunion Island. Kuroda & Habe (1950), based on Taki (1933) recognized a large distinct modiolid widely distributed from the Kurile Islands to Korea and Japan. The substitute name is derived from the first mentioned location, herein designated the type locality.
22. *Pteria sterna* (Gould 1851) has been collected as far north as Newport Bay, California (34°N), juveniles settling outside the normal range in exceptional years, although they survive, they do not reproduce; and the species is not established north of Cabo San Quintin, Baja California (30°N).
23. *Pteria viridizona* (Dall 1916) is known only from the type material, said to be from Long Beach, California, and has not been collected again. This material was catalogued into the USNM with three other lots on October 25, 1903, all well-known Caribbean species. It is highly probable that *P. viridizona* represents misplaced Atlantic *P. longisquamosa* (Dunker 1852).
24. *Vulsella pacifica* (Dall 1916) described from Nicaragua and not since collected. It is doubtful that it occurs in the eastern Pacific and may be a misplaced *V. mytilina* (Lamarck 1819) from the Indo-Pacific.
25. *Atrina listeri* (Orbnigny 1846) recorded from Tierra del Fuego probably is the Atlantic *Pinna seminuda* (Lamarck 1819).
26. *Acesta patagonica* (Dall 1902) is represented in the USNM by a single valve from Panama Bay (9°N) in 589m, probably a misplaced specimen.
27. *Crassostrea columbiensis* (Hanley 1846) with a northern limit of Bahia Tortola, Baja, California (28°N), is present in the Walter Eyerdam Collection (Seattle) collected near Ensenada (32°N) in 1930, where it is no longer found (J. McLean *in Litt*).
28. *Crassostrea corteziensis* (Hertlein 1951) is the most abundant large oyster in the Gulf of California, from which it was introduced in the 1930s to Newport Bay and other California sites, but it did not establish itself.
29. *Crassostrea gigas* (Thunberg 1793) has been introduced from Japan to many California to Alaska locations; reproduction is not reliable but the adults flourish.
30. *Ostrea tubulifera* (Dall 1914) is known only from the type material and possibly from the Pearl Islands, Panama (8°N) recorded by Olsson (1961). I doubt if it represents a valid species. The type may be the Indo-Pacific *O. echinata* (Quoy & Gaimard 1834) and the Pearl Island material a particularly spiny *O. conchaphila* (Carpenter 1857).
31. *Lopha folium* (Linné 1758) has been collected in the Gulf of Panama (8°N); other records require substantiation. This species belongs to a group with distinct ecomorphs, often accorded specific or subspecific status.

32. *Chlamys islandica* (Müller 1776) according to MacNeil (1967) does not occur in the Pacific Ocean or Bering Sea, though Grau (1959) considered *C. behringiana* (Middendorff 1849) and *C. albida* (Arnold 1906) to be subspecies of *C. islandica*. I believe them to be distinct but on the other hand, species proposed by MacNeil, appear to me to be mere variants of *C. islandica*.
33. *Hinnites* (DeFrance 1821) is usually accorded full generic status. I am unable to find distinguishing characters and do not consider the late cementation and idiomorphic growth sufficient to accord more than subgeneric separation.
34. *Semipallium zeteki* (Hertlein 1935) was proposed as a replacement name for the preoccupied *Pecten digitatus* (Hinds 1844), but nothing corresponding to the description is known from the eastern Pacific. The taxon is probably referable to *S. vexillum* (Reeve 1853) from the western Pacific.
35. *Cyclopecten imbrifer* (Lovén 1847) probably does not occur in the eastern Pacific, but is included on the basis of material from Oregon that may be a new species, but the relationship to *C. benthalis* (Grau 1959) must be resolved.
36. *Cyclopecten incongruus* (Dall 1916) is known from the holotype only; though the type locality is cited as San Diego, California, the specimen label states Cedros Island, Baja California.
37. *Cyclopecten vitreus* (Gmelin 1791) seems to be the species with the widest distribution, but may include a complex of species that may be separable with the study of shell ultrastructure.
38. *Pecten berryi* *nom. nov.* is proposed for the preoccupied *P. lunaris* (Berry 1963).
39. *Spondylus tenebrosus* (Reeve 1856) has been recorded from Clipper-ton Island (Salvat & Ehrhardt 1970).
40. *Spondylus victoriae* (Sowerby 1859) is widespread throughout the Gulf of California and is well represented in the collection of the Allan Hancock Foundation. Though overlooked by modern workers, the name was used for Recent and Pliocene species by Durham (1950).
41. *Anomia chinensis* (Philippi 1849) was incidentally introduced from Japan to Willapa Bay, Washington, but did not become established.
42. *Pododesmus cepio* (Gray 1850) is frequently merged with *P. macrochisma* (Deshayes 1839) which is confined to Alaska.
43. *Lucina approximata* (Dall 1901) probably is represented by a complex of several species.
44. *Lucina mazatlanica* (Carpenter 1857) requires careful evaluation. It has been reported from the Gulf of California in 1043 m (Emerson and Puffer 1957).
45. Thyasirinae subfamily *nov.* is proposed for members of the family Thyasiridae that are deeply infaunal, usually in regions of low productivity and low oxygen tension. The unsculptured shell has sharp dorsal folds accompanied by one or two radial sulci. The most profound modifications are in the soft parts, particularly the long vermiform foot, with terminal secretory bulb, which forms the mucoid inhalant tube. The anterior adductor muscle is elongated by the rotation of the body relative to the shell. The type genus is *Thyasira* Leach in Lamarck 1818. Included genera are *Conchocele* (Gabb 1866), *Maorithyas* (Fleming 1950), *Parathyasira* (Iredale 1930) and *Philis* (Fischer 1861).
46. *Conchocele excavata* (Dall 1901) is usually placed in *Thyasira sensu stricto*, but the shell and anatomy show that it should be assigned to *Conchocele*. Shallow water (18–90 m) records from the Gulf of California (Parker 1964) are not this species.
47. Axinopsidinae subfamily *nov.* is proposed for members of the family Thyasiridae that are members of the shallow infauna. Unlike the Thyasirinae, the group lacks shell folds or sulci, the hinge is strengthened by tubercles or pseudodentition, and the lunule is well developed. The subfamilies have arborescent digestive diverticula, but the foot is much shorter in the Axinopsidinae and lacks the hypertrophied terminal portion. I consider the proposed subfamily, dating from the Pliocene, only distantly related to the Thyasirinae which arose in the Cretaceous. The type genus is *Axinopsida* Keen and Chavan in Chavan 1951. Included genera are *Adontorhina* (Berry 1947) and *Axinulus* (Verrill & Bush 1898).
48. *Felaniella parilis* (Conrad 1848), described as a Miocene fossil, was first united with living material by Grant & Gale (1931) though largely ignored by subsequent workers, review of a large suite of living and fossil material from California and Washington (Pliocene), confirms my opinion.
49. *Kelliinae* subfamily *nov.* is proposed to contain members of the family Kelliidae with strong dentition, mantle folds not extendable over the shell surface and the foot not modified into a wide creeping sole. The type genus is *Kellia* (Turton 1822). Included genera are *Aligena* (Lea 1846), *Diplodontina* (Stempell 1899), and *Odontogena* Cowan 1964.
50. *Aligena pisum* (Dall 1908) is known only from a left valve, eroded and immature. It has been assigned to *Axinulus* by Harry (1969), but certainly is not a member of that genus. This taxon may best be considered a *nomen dubium*.
51. *Borninae* subfamily *nov.* is proposed to contain the genera *Bornia* (Philippi 1836), *Rhamphidonta* (Bernard 1975) and *Solecardia* (Conrad 1849). Unlike other members of the family Kelliidae, this group has the hinge comparatively weakly developed, the shell thin and elongated. The mantle inner fold is capable of great extension to cover the entire shell valves, and the foot modified into a wide creeping disc. The type genus is *Bornia* (Philippi 1836).
52. Eryciniinae subfamily *nom. transl.* is proposed for member genera of the family Lasaeidae with elongated compressed shells, weak to moderate hinge plate, laterals lamelliform, ligament extending backwards. The type genus is *Erycina* Lamarck 1805. Also included is *Amerycina* Chavan 1959.
53. Lasaeinae subfamily *nom. transl.* is proposed for the distinctive genus *Lasaea* (Brown 1827) of the family Lasaeidae. The subfamily is characterized by a rounded minute shell, nearly vertical beaks, and a thick, heavy hinge with a protruding cardinal in the left valve. The lateral teeth are similar in both valves and continuous with other teeth.
54. Montacutinae subfamily *nom. transl.* is proposed for genera of the family Montacutidae with subequilateral shells, thickened lateral teeth and minute resilium. The type genus is *Montacuta* (Turton 1822). The other included genus is *Montacutona* (Yamamoto and Habe 1959).
55. Mysellinae subfamily *nov.* is proposed for the very distinct genus *Mysella* (Angas 1877) which should probably be divided into several genera. All species have a large resilifer, frequently bounded by raised margins or teeth forming a chondrophore-like structure.
56. Orobittellinae subfamily *nov.* is proposed for a number of genera of the family Montacutidae, with usually inequilateral shells and oblique poorly developed resilifers. The right valve displays a strong anterior lateral tooth. The type genus is *Orobittella* (Dall 1900). Included genera are *Isorobitella* (Keen 1962), *Neaeromya* (Gabb 1873), *Pythinella* (Dall 1899), and tentatively, *Scioberetia* (Bernard 1895).
57. Thecodontinae subfamily *nov.* is proposed for very inequilateral genera of the Montacutidae, with projecting prosogyrate beaks, resilifer oblique. Left valve with anterior lateral tooth slightly serrated and curved, following shell margin. The type genus is *Thecodonta* (A. Adams 1864). The east Pacific representative is *Pristes* (Carpenter 1864).
58. *Basterotia quadrata* (Hinds 1843), described without locality. According to Olsson (1961) it was cited by Dall as a member of the east Pacific fauna. I am unable to find mention of any such species by Dall, but Paetel (1890) did include it in his catalogue. The species is a common warm water west Atlantic Ocean and Caribbean species.
59. *Cyclocardia gouldii* (Dall 1903) was described from 1503m off San Diego, California, but no other material from this well-collected area matches the type material. I consider this to be a misplaced Atlantic *C. borealis* (Conrad 1831), the elongate form sometimes accorded subspecific status as *C. borealis novangliae* (Morse 1869). This conclusion may be

supported by the observation in the USNM of a sample of *V. borealis* labelled Cape May, Albatross Station 2023 while the Albatross Station for *C. gouldii* is 2923; it may be speculated that a label may have been misread.

60. The South American representatives are obviously referable to *Cyclocardia*, but the deeper lunule and overhanging umbones are suggestive of *Cardites* (Link 1807). It is possible that the group should be accorded subgeneric status within *Cyclocardia*.

61. Crassatellacea superfamily *nom. transl. et amend.* is proposed to exclude the astartids, and to comprise the families Crassatellidae and Scambulidae characterized by an internal alivincular ligament. Though distantly related to astartids, similarities are due to convergence (Boyd & Newell 1968).

62. Astartacea superfamily *nom. transl.* is proposed to contain the families Astartidae (Orbigny 1844) and Opiniidae (Chavan 1952), characterized by an external, opisthodontic, parivincular ligament. Similarities to the superfamily Crassatellacea are the result of convergence.

63. *Astarte longirostra* (Orbigny 1846) though clearly astartid, is with doubt assigned to the genus *Astarte*. The total lack of lunule and vestigial escutcheon, the long, narrow, and deeply sunk ligament and the anomalous antiboreal distribution, suggest a careful review is required. Some features suggest affinity with Eriphyliinae (Chavan 1952).

64. Clinocardiinae (Kafanov 1975) was not recognized by Keen (1980) who includes *Clinocardium* (Keen 1936) in the subfamily Laevicardiinae (Keen 1936). I am inclined to accept Kafanov's division on the basis of shell ultrastructure and consider it useful to segregate *Clinocardium* and *Serripes* (Gould 1841) from *Laevicardium* (Swainson 1840) and similar forms.

65. *Macromeris polynyma* (Stimpson 1860), though usually only accorded subgeneric rank in *Macra*, is sufficiently distinct to be elevated to full genus. The thick shell, fibrous periostracum and hinge structure support this interpretation.

66. The presence of a third horse clam in the fauna will be a surprise to many workers. The species, to be named by B. Roth (*in litt.*) has a limited subtidal distribution in California and was first recognized as distinct by Dinnell and Martini (1974) who erroneously referred it to *Venus pajaroana* (Conrad 1857).

67. *Tellina scobinata* (Linné 1758) was listed from the Galapagos Islands (Schwengel 1938), but is a member of the Australian fauna.

68. *Tellina virgata* (Linné 1758) said to occur in Magellan Strait (Bertin 1878), is probably a misplaced specimen of Indo-Pacific *T. cumingii* (Hanley 1844).

69. *Macalia californiensis* (Bertin 1878) was incorrectly described from California; the material probably was Japanese and referable to *Tellina bruguieri* (Hanley 1844).

70. *Macoma hesperus* (Dall 1908) is known only from the holotype, described from the Gulf of Panama, but the Albatross Station (2355) is Caribbean and the specimen is probably *Tellina brevifrons* (Sowerby 1834).

71. *Psammotreta gubernaculum* (Hanley 1844) described from Real Llejos and included by various workers in the west coast fauna, the holotype label states "India" and the species is, according to Keen (1971), probably identical to *P. praerupta* (Salisbury 1934).

72. *Psammotreta plebeia* (Hanley 1844) described from Real Llejos, is extralimital. The type is labelled west Africa, and probably is referable to *P. cumana* (Costa 1829) from Senegal.

73. *Semele clydosa* *nom. nov.* is proposed for the preoccupied *Amphidesma punctatum* (Sowerby 1833). The specific name is derived from the Greek *klydon*, waves, referring to the concentric undulations of the shell.

74. *Semele medioamericana* (Pilsbry & Lowe 1932) described from Nicaragua has not since been collected, and probably represents displaced Caribbean *S. proficua* (Pultney 1799).

75. *Semele pacifica* (Dall 1915) the type location was incorrectly stated to be Catalina Island, California. This Panamic species does, however, extend north into the Gulf of California.

76. *Senelina nuculoides* (Conrad 1841) recorded from the eastern Pacific by Hoffstetter (1952) as a subfossil from Atacama, is probably referable to *S. subquadrata* (Carpenter 1857). *S. nuculoides* is limited to the west Atlantic Ocean and Caribbean.

77. *Theora lubrica* (Gould 1861) has been introduced from Japan to several Californian locations (Hardy 1970; Seapy 1974) and is probably established at Newport Bay and in Los Angeles Harbour.

78. *Tagelus violascens* (Carpenter 1857) may be a synonym of *T. dombeii* (Lamarck 1818).

79. *Donax bellus* (Deshayes 1855) described from Acapulco, Mexico, has not since been recognized. According to Keen (1971) it probably represents the Atlantic *D. variabilis* (Say 1832).

80. *Donax carpenteri* (H. Adams & A. Adams 1856) renamed for material said to have come from the Gulf of California, is presently lost. No decision on the status of this taxon can be made until the type interval is located.

81. *Donax flexuosus* (Gould 1853) described from California probably represents misplaced Caribbean *D. striatus* (Linné 1767).

82. *Iphigenia altior* (Sowerby 1833) probably is the same as *Iphigenia laevigata* auctt not Gmelin 1791 cited by Carpenter (1857) which he considered a Brazilian species (*vide* H. Adams & A. Adams 1856).

83. *Trapezium californicum* (Conrad 1837) though described from California, is in fact Hawaiian and referable to the widely distributed Indo-Pacific species *T. oblongum* (Linné 1758).

84. *Trapezium liratum* (Reeve 1843) has been introduced to the west coast of North America with Japanese seed oysters. Specimens have been collected at Elkhorn Slough, California (Bonnot 1935) and Ladysmith Harbour, British Columbia. The species does not seem to have become established.

85. *Polymesoda* (Rafinesque 1828) includes species that inhabit brackish to fresh waters, but shell valves are frequently found near river mouths and in estuaries.

86. *Polymesoda convexa* (Deshayes 1855) described from Central America has not since been collected, the generic assignment is not obvious, and the type not located; thus it is best considered a *nom. dub.*

87. *Ventricolaria lepidoglypta* (Dall 1902) described in error from Acapulco, Mexico is extralimital, possibly, according to Keen (1971), the west Pacific *Venus foveolata* (Sowerby 1853).

88. *Chione californiensis* (Broderip 1835) is accepted in preference to *Venus leucodon* (Sowerby 1835) though the latter has page priority, following Carpenter (1864) as the first reviser.

89. *Chione schottii* (Dall 1902) described from Humboldt Bay in the Gulf of Panama, probably is a ballast shell, perhaps, according to Olsson (1961) the Atlantic *Venus striatula* (Costa 1778).

90. *Mercenaria apodema* (Dall 1902) was also described from Humboldt Bay, Gulf of Panama (see note 89), probably a ballast shell referable to the Atlantic *Venus campechiensis* (Gmelin 1791).

91. *Mercenaria kennicottii* (Dall 1871) described from Neah Bay, Washington. Dall also referred to a single valve from Monterey, California, but no similar material has since been collected. I suspect the northern accord is referable to the Japanese *Venus stimpsoni* (Gould 1861), and the southern valve to ballast or misplaced Atlantic *V. mercenaria* (Linné 1758).

92. *Mercenaria mercenaria* (Linné 1758) is an Atlantic species introduced to San Francisco Bay, Newport, California, and possible other locations. It is possibly established at Humboldt Bay, California (Hanna 1966).

93. *Meretrix lusoria* (Röding 1798) is a western Pacific species introduced to Washington State in 1959, but the species did not become established (Hanna 1966).
94. *Amiantis lubrica* (Broderip 1835) was described from Costa Rica, but according to Sowerby (1853) is referable to the Atlantic *Venus purpurata* (Lamarck 1818).
95. *Pitar ida* (Tegland 1928), according to Roth (1975), is in fact an adventitious Atlantic *P. morrhuanus* (Gray 1845).
96. *Saxidomus brevisiphonatus* (Carpenter 1865) described from Vancouver Island, British Columbia, is a senior synonym for the Japanese *Macrocallista chishimana* (Pilsbry 1905).
97. *Clementia gracillima* Carpenter 1857 was described from Mazatlan, Mexico, but is unrecognizable and best considered a *nom. dub.*
98. *Gemma gemma* (Totten 1834) a small Atlantic species, has been widely introduced from the northern Strait of Georgia, British Columbia to San Diego, California (Hanna 1939, 1963).
99. *Petricola pholadiformis* (Lamarck 1818), an Atlantic species, has been introduced to San Francisco Bay, California and Willapa Bay, Washington and other locations and has become established (Hanna 1963).
100. *Venerupis peruviana* Jay, 1839 is a junior synonym of *Petricola denticulata* Sowerby, 1834, so Olsson's name is a homonym and requires replacement.
101. *Mya arenaria* (Linné 1758) has a complex distributional history, though it originated in the north Pacific and spread to the Atlantic, it became extinct in the eastern Pacific and its present inclusion in the fauna is due to introduction in the 1870s (Bernard 1979).
102. Spheniinae subfamily *nov.* is proposed to separate the genus *Sphenia* (Turton 1822) from the Myinae, as the resilifer of the left valve is only superficially similar to the chondrophore of *Mya* and the lateral tubercles of the right valve have no counterpart in *Mya*. I prefer to consider *Sphenia* only distantly related to the subfamily Myinae.
103. *Panope abbreviata* (Valenciennes 1839) is a common species of the southwest Atlantic, and has hitherto not been recorded alive from the Pacific Ocean, though it is frequent in the Pliocene of Ecuador and Miocene of northern Peru under *P. coquimbensis* (Orbigny 1842), *P. hauthali* (Wilckens 1907), and, possibly, *P. inferior* (Wilckens 1907). Through the courtesy of the late W.J. Eyerdam, I have a recently living specimen collected on the beach at Smith Harbour (54°S) in 1958, though more material is required to firmly place the species in the Pacific fauna.
104. *Panope abrupta* (Conrad 1849) a large, abundant clam of the north-east Pacific is indistinguishable from the Japanese representative, which is usually collected as a juvenile. Moore (1964) first recognized the living American species should be assigned to *P. abrupta*.
105. *Pholas cornea* (Sowerby 1834) described from Central America, has not since been recognized and is best considered a *nom. dub.* as the description is insufficiently detailed.
106. *Zirfaea crispata* (Linné 1758) is used in the early literature for *Z. pilsbryi* (Lowe 1931). The species was introduced from the Atlantic to Humboldt Bay, California, but does not appear to have become established.
107. *Penitella tubigera* (Valenciennes 1846) no type location as been cited, however, Carpenter (1857) considered it west American. It is probably referable to the Indo-Pacific *Aspidopholas* (Fischer 1887). (R. D. Turner *in. litt.*)
108. *Pholadidea tridens* (Gray 1843) appeared in the early literature for a number of species, but it is, in fact, New Zealand in distribution.
109. *Netastoma* (Carpenter 1864) is not a homonym of *Nettastoma Rafinesque* 1810, so need not be placed by *Nettastomella* Carpenter 1865 (ICZN pending).
110. *Agriodesma* Dall 1909 is treated as a full genus because the thick, dehiscent periostrum and massive ligament set it apart from *Entodesma* (Philippi 1845) *sensu stricto*.
111. *Allogramma amabilis* (Dall 1913) described from deep water off southern California, has not been identified since and probably is referable to misplaced Atlantic *Lyonsia formosa* (Jeffreys 1881).
112. *Entodesma scammoni* (Dall 1871) was described from Port Simpson, British Columbia and said to range to San Diego, California. It has not since been collected and probably represents an adventitious Atlantic-Caribbean *Lyonsia beana* (Orbigny 1842).
113. *Lyonsia panamensis* (Dall 1908) collected in 1077 m. probably is not a *Lyonsia sensu stricto*, and may be adventitious. Any judgement should be reserved until more material is at hand.
114. Thraciacea superfamily *nom. transl.* is proposed to include three families (Periplomatidae, Laternulidae and Thracidae) placed with the Pandoracea. They are characterized by a homogenous shell and edentulous hinge.
115. *Laternula limicola* (Reeve 1864) has been introduced from Japan to Coos Bay, Oregon, but it has not become established (Keen 1969).
116. Septibranchida is retained to contain the superfamilies Poromyacea and Cuspidariacea which are, at best, only distantly related, the former may require a separate order.

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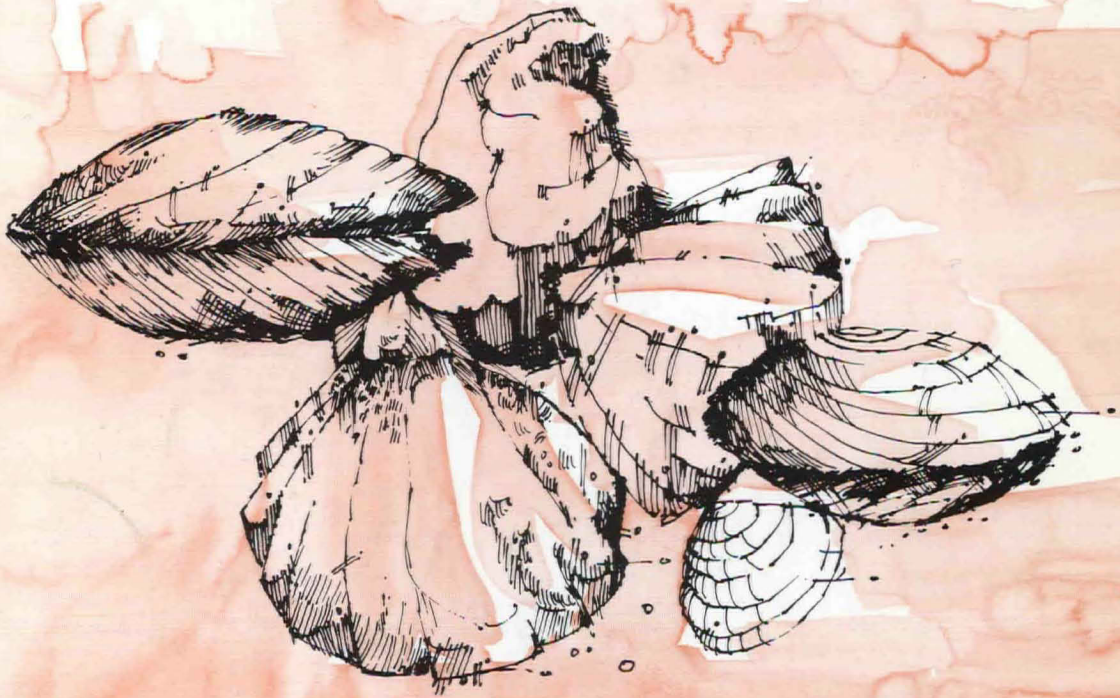
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