

Concluding remarks

In the last section on the environmental changes within the seven regions through the Late Quaternary, it has been demonstrated how the Skagen sequence 'moved' into the present-day faunal community known from this area, 'coming' from older deposits in many ways, according to the molluscs, different from what hitherto was known in other parts of the Danish area during the Late Quaternary. The development is graphically shown in Fig. 93 (fold-out, back cover).

Regarding the climatic changes, recalling Figs 102 and 103, the molluscs have given a clear record as far as the main trends are concerned – the interglacial–glacial cycle. However, the climatic changes during the Holocene, if they were ever more than small, were overshadowed by the facies changes affecting the Danish area. From the Eemian as well, it must be concluded that differences in facies made the difference between the regions, and that the well-established more temperate Eemian marine fauna was connected only with the shallow-water environment.

Among the 140 species recorded from the Eemian, 118 or 84.3% occur in the Holocene subfossil material and/or recent fauna. However, it should be noticed that among the 22 species only found in the Eemian, ten species or 7.1% are purely Lusitanian forms, which include the no longer extant species *Paphia senescens*. The Lusitanian forms are: one gastropod – *Haminoea navicula*; one Scaphopod – *Dentalium vulgare*; and seven bivalves – *Mytilaster lineatus*, *Mytilaster solidus*, *Lucinella divaricata*, *Plagiocardium papillosum*, *Gastra fragilis*, *Abra segmentum* and *Gouldia minima*.

Along with the high percentage of purely Lusitanian forms – compared with and not found in the Holocene – it is shown that among the 90 Boreo-Lusitanian species from the Eemian, by far the dominating group covering 64.3% of the fauna, 87 species occur also in the Holocene.

The Weichselian marine fauna known from the Older *Yoldia* and Younger *Yoldia* Sea deposits also has a characteristic of its own, with about one third of the fauna restricted to the *Yoldia* seas. Nearly half of them are either purely Arctic, such as the two bivalves *Portlandia arctica* and *Macoma torelli*, or with Arctic–Subarctic affinities, such as the three gastropods *Alvania cruenta*, *Turritella erosa* and *Cylichna occulta*, and the four bivalves *Bathyarca glacialis*, *Macoma loveni*, *Pandora glacialis*, and *Lyonsia arenosa*. One third of

the Weichselian fauna is found both among the Eemian and the Holocene species (subfossil and/or recent). For the last third, the majority (11 out of 17) are also recorded only from the Holocene.

When the Weichselian marine fauna itself is looked at, comparing the Older and Younger *Yoldia* Sea faunas, 23 out of the 54 species are common to both, while one third is only found in the Younger *Yoldia* Sea deposits from where the Subarctic–Boreal species among the bivalves are: *Nuculana minuta*, *Arctica islandica*, and *Zirfaea crispata*. The Subarctic–Boreal–Lusitanian species count one polyplacophor: *Tonicella marmorea*; one gastropod: *Buccinum undatum*; and two bivalves: *Mytilus edulis* and *Macoma balthica*. This demonstrates in the best way the Boreo-Arctic impact around 13 000 B.P. (^{14}C years) in the shallow-water environment characterised by *Zirfaea crispata* and *Mytilus edulis* – the former giving name to the deposits of that time in Vendsyssel.

However, the main result of this investigation was the comparison between the fossil faunas and the molluscan faunas now living before our eyes – as C.G.J. Petersen expressed it in 1910 – using the C.G.J. Petersen bottom community concept step by step in the seven stages from the Eemian to the Subatlantic within the seven regions in the Danish realm.

Acknowledgements

This study was supported by a one-year grant from the Carlsberg Foundation. During that year – and the following years – the Geological Survey of Denmark and Greenland (GEUS) has supplied me with all the facilities needed for the research. The support of both these institutions is greatly appreciated.

Among the many helpful colleagues at the Survey, I would like to thank Lasse Gudmundsson for keeping order in the many samples that were analysed, and Frants von Platen-Hallermund for making the compilations seen in the figures and appendix listing the molluscan species and other data.

State Geologist at that time Johnny Fredericia, who caused me to take up the challenge and continued to support me is thanked, as is Richard Bradshaw, State Geologist of my new department at the Survey, the Department of Environmental History and Climate

Change. J. Heinemeier contributed with Appendix 4 on the ^{14}C dates on shell macrofossils from the Skagen cores. Kaare L. Rasmussen read an early draft of the work and the referees H.G. Petersen and S. Funder contributed to make the work better – all are thanked.

With great experience in writing for me, Birgit Jørgensen did the typing and commented upon the

English. Susanne Veng Christensen has made the final copy.

Peter John Crabb revised the English in the most thorough way.

To the former curator of the Vertebrate Collection at the Geological Museum, University of Copenhagen, now happily at the Gram Museum, Ella Hoch, this book is dedicated.

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List of synonyms

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|--|---|
| <i>Abra alba</i> (Wood 1802) | <i>Alvania jan mayeni</i> (Friese 1886) |
| <i>Syndesmya alba</i> | <i>Rissoa jan mayeni</i> |
| <i>Abra nitida</i> (Müller 1776) | <i>Alvania jeffreysi</i> (Waller 1864) |
| <i>Abra prismatica</i> (Montagu 1803) | <i>Alvania lactea</i> (Michaud 1830) |
| <i>Syndesmya prismatica</i> | <i>Rissoa lactea</i> |
| <i>Abra segmentum</i> (Récluz 1843) | <i>Alvania punctura</i> (Montagu 1803) |
| <i>Syndesmya ovata</i> | <i>Rissoa punctura</i> |
| <i>Acanthocardia echinata</i> (Linnaeus 1758) | <i>Alvania scrobiculata</i> (Möller 1842) |
| <i>Cardium echinatum</i> | <i>Rissoa scrobiculata</i> |
| <i>Acar nodulosa</i> (Müller 1766) | <i>Amauropsis islandicus</i> (Gmelin 1791) |
| <i>Aclis ascaris</i> (Turton 1819) | <i>Angulus fabulus</i> → <i>Fabulina fabula</i> |
| <i>Aclis minor</i> (Brown 1827) | <i>Angulus tenuis</i> (da Costa 1778) |
| <i>Aclis walleri</i> Jeffreys 1867 | <i>Tellina tenuis</i> |
| <i>Acmaea tessulata</i> (Müller 1776) | <i>Anomia aculeata</i> → <i>Heteranomia squamula</i> |
| <i>Acmaea virginea</i> (Müller 1776) | <i>Anomia ephippium</i> Linnaeus 1758 |
| <i>Tectura virginea</i> | <i>Anomia patelliformis</i> → <i>Pododesmus patelliformis</i> |
| <i>Acteon tornatilis</i> (Linnaeus 1758) | <i>Anomia squamula</i> → <i>Heteranomia squamula</i> |
| <i>Adipicola simpsoni</i> (Marshall 1900) | <i>Antalis agile</i> G.O. Sars 1878 |
| <i>Admete viridula</i> (Fabricius 1780) | <i>Antalis entalis</i> (Linnaeus 1758) |
| <i>Aequipecten opercularis</i> (Linnaeus 1758) | <i>Dentalium entalis</i> |
| <i>Pecten opercularis</i> | <i>Aporrhais pespellicani</i> (Linnaeus 1758) |
| <i>Akera bullata</i> Müller 1776 | <i>Aporrhais serresianus</i> (Michaud 1828) |
| <i>Alvania abyssicola</i> (Forbes 1850) | <i>Arca glacialis</i> → <i>Bathyarca glacialis</i> |
| <i>Rissoa abyssicola</i> | <i>Arcinella plicata</i> → <i>Saxicavella jeffreysi</i> |
| <i>Alvania cimicoides</i> (Forbes 1844) | <i>Arcopagia crassa</i> (Pennant 1778) |
| <i>Rissoa cimicoides</i> | <i>Arctica islandica</i> (Linnaeus 1767) |
| <i>Alvania cruenta</i> Odhner 1915 | <i>Cyprina islandica</i> |

<i>Assiminea grayana</i> Fleming 1828	
<i>Astarte banksie</i> → <i>Tridonta montagui</i>	
<i>Astarte borealis</i> → <i>Tridonta borealis</i>	
<i>Astarte compressa</i> → <i>Tridonta elliptica</i>	
<i>Astarte sulcata</i> (da Costa 1778)	
<i>Axinopsis orbiculata</i> (G.O.Sars 1878)	
<i>Axinopsis orbiculata</i>	
<i>Axinopsis orbiculata</i> → <i>Axinopsida orbiculata</i>	
<i>Axinus ferruginosus</i> → <i>Leptaxinus ferruginosus</i>	
<i>Axinus flexuosus</i> → <i>Thyasira flexuosa</i>	
<i>Balcis devians</i> → <i>Vitreolina philippii</i>	
<i>Barleeia unifasciata</i> (Montagu 1803)	
<i>Barnea candida</i> (Linnaeus 1758)	
<i>Pholas candida</i>	
<i>Bathyarca glacialis</i> (Gray 1824)	
<i>Arca glacialis</i>	
<i>Bathyarca pectunculoides</i> (Scacchi 1834)	
<i>Bela exarata</i> G.O.Sars 1818	
<i>Bela incisula</i> → <i>Oenopota incisula</i>	
<i>Bela nobilis</i> → <i>Oenopota turricola</i>	
<i>Bela trevelliana</i> → <i>Oenopota trevelliana</i>	
<i>Bela turricola</i> → <i>Oenopota turricola</i>	
<i>Bela violacea</i> → <i>Oenopota violacea</i>	
<i>Bittium reticulatum</i> (da Costa 1778)	
<i>Cerithium reticulatum</i>	
<i>Boreotrophon clathratus</i> (Linnaeus 1767)	
<i>Trophon clathratus</i>	
<i>Boreotrophon truncatus</i> (Ström 1768)	
<i>Brachystomia carozzai</i> van Aartsen 1987	
<i>Brachystomia eulimoides</i> Hanley 1844	
<i>Odostomia eulimoides</i>	
<i>Odostomia pallida</i>	
<i>Buccinum cyaneum</i> Bruguière 1792	
<i>Buccinum groenlandicum</i>	
<i>Buccinum groenlandicum</i> → <i>Buccinum cyaneum</i>	
<i>Buccinum undatum</i> Linnaeus 1758	
<i>Cadulus jeffreysi</i> → <i>Cadulus subfusiforme</i>	
<i>Cadulus subfusiforme</i> (M. Sars 1865)	
<i>Cadulus jeffreysi</i>	
<i>Caecum glabrum</i> (Montagu 1803)	
<i>Calliostoma formosa</i> (Mighels 1842)	
<i>Calliostoma zizyphinum</i> (Linnaeus 1758)	
<i>Callochiton septemvalvis</i> (Montagu 1803)	
<i>Capulus ungaricus</i> (Linnaeus 1758)	
<i>Cardium ciliatum</i> → <i>Clinocardium ciliatum</i>	
<i>Cardium echinatum</i> → <i>Acanthocardia echinata</i>	
<i>Cardium edule</i> → <i>Cerastoderma edule</i>	
<i>Cardium edule</i> → <i>Cerastoderma glaucum</i>	
<i>Cardium exiguum</i> → <i>Parvicardium exiguum</i>	
<i>Cardium fasciatum</i> → <i>Parvicardium ovale</i>	
<i>Cardium groenlandicum</i> → <i>Serripes groenlandicus</i>	
<i>Cardium minimum</i> → <i>Parvicardium minimum</i>	
<i>Cardium nodosum</i> → <i>Parvicardium scabrum</i>	
<i>Cardium norvegicum</i> → <i>Laevicardium crassum</i>	
<i>Cardium papillosum</i> → <i>Plagiocardium papillosum</i>	
<i>Cerastoderma edule</i> (Linnaeus 1758)	
<i>Cardium edule</i>	
<i>Cerastoderma glaucum</i> (Poiret 1789)	
<i>Cardium edule</i> var. <i>balticum</i>	
<i>Cerithiella metula</i> (Lovén 1846)	
<i>Cerithiopsis barleei</i> Jeffreys 1867	
<i>Cerithiopsis tubicularis</i> (Montagu 1803)	
<i>Cerithium reticulatum</i> → <i>Bittium reticulatum</i>	
<i>Chamelea striatula</i> (da Costa 1778)	
<i>Venus gallina</i>	
<i>Chemnitzia lactea</i> → <i>Turbonilla lactea</i>	
<i>Chlamys islandica</i> (O.F.Müller 1776)	
<i>Pecten islandicus</i>	
<i>Chlamys varia</i> (Linnaeus 1758)	
<i>Pecten varius</i>	
<i>Chrysallida eximia</i> (Jeffreys 1849)	
<i>Parthenina eximia</i>	
<i>Chrysallida decussata</i> (Montagu 1803)	
<i>Chrysallida indistincta</i> (Montagu 1808)	
<i>Parthenia indistincta</i>	
<i>Chrysallida obtusa</i> (Brown 1827)	
<i>Parthenia interstincta</i>	
<i>Chrysallida spiralis</i> (Montagu 1803)	
<i>Parthenia spiralis</i>	
<i>Cingula proxima</i> → <i>Onoba proxima</i>	
<i>Cingula semistriata</i> (Montagu 1808)	
<i>Putilla semistriata</i>	
<i>Rissoa semistriata</i>	
<i>Cingula striata</i> → <i>Onoba semicostata</i>	
<i>Cingula turgida</i> (Jeffreys 1870)	
<i>Cingula vitrea</i> → <i>Onoba vitrea</i>	
<i>Circe minima</i> → <i>Gouldia minima</i>	
<i>Clturella linearis</i> → <i>Raphitoma linearis</i>	
<i>Clausinella fasciata</i> (da Costa 1778)	
<i>Venus fasciata</i>	
<i>Clinocardium ciliatum</i> (Fabricius 1780)	
<i>Cardium ciliatum</i>	
<i>Clione limacina</i> (Phipps 1774)	
<i>Cochlodesma praetenue</i> (Pulteney 1799)	
<i>Colus gracilis</i> (da Costa 1778)	
<i>Colus jeffreysianus</i> (Fischer 1868)	
<i>Colus sabini</i> (Gray 1824)	
<i>Corbula gibba</i> (Oliv 1792)	
<i>Crenella decussata</i> (Montagu 1803)	
<i>Crepidula fornicata</i> (Linnaeus 1758)	
<i>Cultellus pellucidus</i> → <i>Phaxas pellucidus</i>	
<i>Cupidaria cuspidata</i> (Oliv 1792)	

- Cyamium minutum* → *Turtonia minuta*
Cylichna alba (Brown 1827)
Cylichna cylindracea (Pennant 1777)
Cylichna occulta (Mighels 1841)
 Cylichna scalpta
 Cylichna propinqua
Cylichna propinqua → *Cylichna occulta*
Cylichna scalpta → *Cylichna occulta*
Cypraea europaea → *Trivia monacha*
Cyprina islandica → *Arctica islandica*
Cytharella coarctata (Forbes 1840)
 Mangelia costata
Delectopecten vitreus (Gmelin 1791)
Dentalium entalis → *Antalis entalis*
Dentalium vulgare da Costa 1778
Devonia perrieri (Malard 1904)
Diaphana hyalina → *Diaphana minuta*
Diaphana minuta Brown 1827
 Diaphana hyalina
Divaricella divaricata → *Lucinella divaricata*
Donax vittatus (da Costa 1778)
Dosinia exoleta (Linnaeus 1758)
Dosinia lincta (Montagu 1803)
 Dosinia lupinus
Dosinia lupinus → *Dosinia lincta*
Ebala nitidissima (Montagu 1803)
 Eulimella nitidissima
Emarginula fissura (Linnaeus 1758)
Ensis arcuatus (Jeffreys 1865)
Ensis ensis (Linnaeus 1758)
 Solen ensis
Ensis siliqua (Linnaeus 1758)
Entalina tetragona (Brocchi 1814)
Enteroxenos oestergreni Bonnevie 1902
Epitonium clathratulum (Kanmacher 1797)
Epitonium clathrus (Linnaeus 1758)
 Scalaria communis
Epitonium trevelyanum (Johnston 1841)
Epitonium turtonis (Turton 1819)
 Scalaria turtonae
Eulima bilineata (Alder 1848)
Eulima distorta → *Vitreolina philippii*
Eulimella acicula → *Eulimella laevis*
Eulimella laevis (Brown 1827)
 Syrnola laevis
 Eulimella acicula
Eulimella nitidissima → *Ebala nitidissima*
Eulimella scillae (Scacchi 1835)
Evalea divisa → *Ondina divisa*
Fabulina fabula (Gmelin 1791)
 Angulus fabulus
- Tellina fabula*
Fusus antiquus → *Neptunea antiqua*
Gari depressa (Pennant 1777)
 Psammobia vespertina
Gari fervensis (Gmelin 1791)
 Psammobia faeroensis
Gari tellinella (Lamarck 1818)
Gastrana fragilis (Linnaeus 1758)
Gibbula cineraria (Linnaeus 1758)
 Trochus cineraria
Gibbula tumida (Montagu 1803)
 Trochus tumida
Glossus humanus (Linnaeus 1758)
Gouldia minima (Montagu 1803)
 Circe minima
Graphis albida (Kanmacher 1798)
Haliella stenostoma (Jeffreys 1858)
Haminea navicula → *Haminoea navicula*
Haminoea navicula (da Costa 1778)
 Haminea navicula
Hanleya hanleyi (Bean 1844)
Helcion pellucidum (Linnaeus 1758)
 Nacella pellucidum
 Patina pellucida
Hemiaclis ventrosa (Jeffreys MS Fricle 1874)
Heteranomia squamula (Linnaeus 1758)
 Anomia squamula
 Anomia aculeata
Hiatella arctica (Linnaeus 1758)
 Saxicava arctica
Hiatella rugosa (Linnaeus 1758)
 Saxicava rugosa
Hinia incrassata (Ström 1768)
 Nassa incrassata
Hinia pygmaea (Lamarck 1822)
 Nassa pygmaea
Hinia reticulata (Linnaeus 1758)
 Nassa reticulata
Omalogyra atomus → *Omalogyra atomus*
Hydrobia neglecta Muus 1963
Hydrobia stagnorum → *Hydrobia ventrosa*
Hydrobia ulvae (Pennant 1777)
 Peringia ulvae
Hydrobia ventrosa (Montagu 1803)
 Hydrobia stagnorum
Iothia fulva (Müller 1776)
Ischnochiton albus (Linnaeus 1767)
Jujubimus clelandi (W. Wood 1828)
Kelliella suborbicularis (Montagu 1803)
Kelliella miliaris (Philippi 1844)
Kennerleya glacialis → *Pandora glacialis*

- Lacuna crassior* (Montagu 1803)
Lacuna divaricata → *Lacuna vincta*
Lacuna pallidula (da Costa 1778)
 Stenotis *pallidula*
Lacuna parva (Montagu 1803)
 Lacuna *puteolus*
Lacuna puteolus → *Lacuna parva*
Lacuna vincta (Montagu 1803)
 Lacuna *divaricata*
Laevicardium crassum (Gmelin 1791)
 Cardium *norvegicum*
Lamellaria perspicua (Linnaeus 1758)
Leda minuta → *Nuculana minuta*
Leda pernula → *Nuculana pernula*
Lepeta caeca (Müller 1776)
Lepidochitona cinereus (Linnaeus 1767)
Leptaxisinus ferruginosus (Forbes 1844)
 Axinus *ferruginosus*
Leptochiton asellus (Gmelin 1791)
Lepton nitidum (Turton 1822)
Lepton squamosum (Montagu 1803)
Limacina balea → *Limacina retroversa*
Limacina retroversa (Fleming 1823)
 Spiralis *retroversus*
Limacina balea
 Spiralis *balea*
Limaria biania (Gmelin 1791)
Limaria loscombi (Sowerby 1832)
Limatula subauriculata (Montagu 1808)
Liomesus ovum (Turton 1825)
Liostomia clavula (Lovén 1846)
Litorina rudis → *Littorina saxatilis*
Litorina rudis → *Littorina tenebrosa*
Littorina littorea (Linnaeus 1758)
Littorina mariae Sacchi & Rastelli 1966
Littorina obtusata (Linnaeus 1758)
Littorina saxatilis (Oliv 1792)
 Litorina *rudis*
Littorina tenebrosa (Montagu 1803)
 Litorina *rudis*
Lucina borealis → *Lucinoma borealis*
Lucina divaricata → *Lucinella divaricata*
Lucinella divaricata (Linnaeus 1758)
 Lucina *divaricata*
 Divaricella *divaricata*
Lucinoma borealis (Linnaeus 1758)
 Lucina *borealis*
Lucinopsis undata → *Mysia undata*
Lunatia alderi (Forbes 1838)
 Natica *intermedia*
 Natica *alderi*
- Lunatia catena* (da Costa 1778)
 Natica *catena*
Lunatia montagui (Forbes 1838)
Lunatia pallida (Broderip & Sowerby 1829)
 Natica *groenlandica*
Lutraria elliptica → *Lutraria lutraria*
Lutraria lutraria (Linnaeus 1758)
 Lutraria *elliptica*
Lymnaea peregra (Müller 1774)
Lyonsia arenosa (Möller 1842)
Lyonsia norvegica (Gmelin 1791)
Macoma balthica (Linnaeus 1758)
 Tellina *balthica*
Macoma calcarea (Gmelin 1791)
 Tellina *calcaria*
Macoma loveni Jensen 1904
 Tellina *loveni*
Macoma torelli Jensen 1904
 Tellina *crassula*
Mactra solida → *Spisula solida*
Mactra stultorum (Linnaeus 1758)
 Mactra *corallina cinerea*
Mactra subtruncata → *Spisula subtruncata*
Mactra corallina cinerea → *Mactra stultorum*
Malletia obtusa (G.O. Sars 1872)
Mangelia attenuata (Montagu 1803)
Mangelia brachystoma (Philippi 1844)
Mangelia costata → *Cytharella coarctata*
Mangelia nebula (Montagu 1803)
Margarites helcinus (Phipps 1774)
Melanella alba (da Costa 1778)
Melanella lubrica (Monterosato 1891)
Melaraphe neritoides (Linnaeus 1758)
Menestho divisa → *Ondina divisa*
Modiola modiolus → *Modiolus modiolus*
Modiolaria discors → *Musculus discors*
Modiolaria laevigata → *Musculus laevigatus*
Modiolaria marmorata → *Modiolaria tumida*
Modiolaria nigra → *Musculus niger*
Modiolaria tumida (Hanley 1843)
 Musculus *tumidus*
Modiolaria marmorata
Modiolula phaseolina (Philippi 1844)
 Mytilus *phaseolinus*
Modiolus adriaticus (Lamarck 1819)
 Mytilus *adriaticus*
Modiolus modiolus (Linnaeus 1758)
 Mytilus *umbilicatus*
Modiola modiolus
Montacuta bidentata → *Mysella bidentata*
Montacuta ferruginosa → *Tellimya ferruginosa*

- Montacuta substriata* (Montagu 1803)
Musculus discors (Linnaeus 1767)
 Modiolaria discors
Musculus laevigatus (Gray 1824)
 Modiolaria laevigata
Musculus niger (Gray 1824)
 Modiolaria nigra
Musculus tumidus → *Modiolaria tumida*
Mya arenaria Linnaeus 1758
Mya truncata Linnaeus 1758
Myrtea spinifera (Montagu 1803)
Mysella bidentata (Montagu 1803)
 Montacuta bidentata
Mysella dawsoni (Jeffreys 1864)
Mysella tumidula (Jeffreys 1867)
Mysia undata (Pennant 1777)
 Lucinopsis undata
Mytilaster lineatus (Gmelin 1791)
Mytilaster solidus (Poli 1795)
 Mytilus minimus
Mytilus adriaticus → *Modiolus adriaticus*
Mytilus edulis Linnaeus 1758
Mytilus minimus → *Mytilaster solidus*
Mytilus phaseolinus → *Modiolula phaseolina*
Mytilus umbilicatus → *Modiolus modiolus*
Nacella pellucidum → *Helcion pellucidum*
Nassa incrassata → *Hinia incrassata*
Nassa pygmaea → *Hinia pygmaea*
Nassa reticulata → *Hinia reticulata*
Natica affinis (Gmelin 1790)
 Natica clausa
Natica alderi → *Lunatia alderi*
Natica catena → *Lunatia catena*
Natica clausa → *Natica affinis*
Natica groenlandica → *Lunatia pallida*
Natica intermedia → *Lunatia alderi*
Neptunea antiqua (Linnaeus 1758)
 Fusus antiquus
Neptunea despecta (Linnaeus 1758)
Neritina fluviatilis → *Theodoxus fluviatilis*
Nototeredo norvegica (Spengler 1792)
Nucella lapillus (Linnaeus 1758)
 Purpura lapillus
Nucula nitida → *Nucula nitidosa*
Nucula nitidosa Winckworth 1930
 Nucula nitida
Nucula nucleus (Linnaeus 1767)
Nucula sulcata (Bronn 1831)
Nucula tenuis → *Nuculoma tenuis*
Nuculana minuta (Müller 1776)
 Leda minuta
- Nuculana pernula* (Müller 1776)
 Leda pernula
Nuculoma hanleyi Winckworth 1931
Nuculoma tenuis (Montagu 1808)
 Nucula tenuis
Obtusella alderi (Jeffreys 1858)
Ocenebra erinacea (Linnaeus 1758)
Odostomia acuta Jeffreys 1848
Odostomia albella Lovén 1846
 Odostomia unidentata
Odostomia conoidea Winckworth 1932
Odostomia eulimoides → *Brachystomia eulimoides*
Odostomia insculpta → *Ondina divisa*
Odostomia pallida → *Brachystomia eulimoides*
Odostomia plicata (Montagu 1803)
Odostomia rissoides → *Odostomia scalaris*
Odostomia scalaris MacGillivray 1843
 Odostomia rissoides
Odostomia turrita Hanley 1844
Odostomia umbilicaris (Malm 1863)
Odostomia unidentata → *Odostomia albella*
Oenopota incisula (Verrill 1882)
 Bela incisula
Oenopota trevelliana (Turton 1834)
 Bela trevelliana
Oenopota turricola (Montagu 1803)
 Bela turricola
 Bela nobilis
Oenopota violacea (Mighels & Adams 1842)
 Bela violacea
Omalogyra atomus (Phillippi 1841)
 Omalogyra atomus
Ondina diaphana (Jeffreys 1848)
Ondina divisa (J. Adams 1797)
 Menestho divisa
 Evalea divisa
 Odostomia insculpta
Onoba aculeus (Gould 1841)
Onoba proxima (Forbes & Hanley 1850)
 Cingula proxima
Onoba semicostata (Montagu 1803)
 Rissoa striata
 Cingula striata
Onoba vitrea (Montagu 1803)
 Cingula vitrea
 Rissoa vitrea
Ostrea edulis Linnaeus 1758
Ovatella myosotis (Draparnaud 1801)
Palliolum greenlandicum (Sowerby 1842)
 Pecten groenlandicus
Palliolum striatum (Müller 1776)

<i>Palliolum tigerinum</i> (Müller 1776)	<i>Anomia patelliformis</i>
<i>Pandora glacialis</i> Leach 1819	<i>Pododesmus squama</i> (Gmelin 1791)
<i>Kennerleya glacialis</i>	<i>Polygireulima monterosatoi</i> (Monterosato 1890)
<i>Panomya arctica</i> (Lamarck 1818)	<i>Polygireulima sinuosa</i> (Sacco 1836)
<i>Paphia aurea</i> (Gmelin 1791)	<i>Portlandia arctica</i> (Gray 1824)
<i>Tapes aureus</i>	<i>Yoldia arctica</i>
<i>Paphia aurea</i> senescens (Cocconi 1873)	<i>Portlandia frigida</i> → <i>Yoldiella frigida</i>
<i>Tapes senescens</i>	<i>Portlandia lenticula</i> → <i>Yoldiella lenticula</i>
<i>Tapes aureus</i>	<i>Portlandia lucida</i> → <i>Yoldiella lucida</i>
<i>Parthenia indistincta</i> → <i>Chrysallida indistincta</i>	<i>Portlandia tenuis</i> → <i>Yoldiella philippiana</i>
<i>Parthenia interstincta</i> → <i>Chrysallida obtusa</i>	<i>Potamopyrgus antipodarum</i> (Gray 1853)
<i>Parthenia spiralis</i> → <i>Chrysallida spiralis</i>	<i>Psammobia faeroensis</i> → <i>Gari fervensis</i>
<i>Parthenina eximia</i> → <i>Chrysallida eximia</i>	<i>Psammobia vespertina</i> → <i>Gari depressa</i>
<i>Parvicardium exiguum</i> (Gmelin 1791)	<i>Pseudamussium septemradiatum</i> (Müller 1776)
<i>Cardium exiguum</i>	<i>Pecten septemradius</i>
<i>Parvicardium minimum</i> (Philippi 1836)	<i>Psiloteredo megotara</i> (Forbes & Hanley 1848)
<i>Cardium minimum</i>	<i>Puncturella noachina</i> (Linnaeus 1771)
<i>Parvicardium ovale</i> (Sowerby 1840)	<i>Purpura lapillus</i> → <i>Nucella lapillus</i>
<i>Cardium fasciatum</i>	<i>Putilla semistriata</i> → <i>Cingula semistriata</i>
<i>Parvicardium scabrum</i> (Philippi 1844)	<i>Raphitoma asperrima</i> (Brown 1827)
<i>Cardium nodosum</i>	<i>Raphitoma leufroyi</i> (Michaud 1821)
<i>Patella vulgata</i> Linnaeus 1758	<i>Raphitoma linearis</i> (Montagu 1803)
<i>Patina pellucida</i> → <i>Helcion pellucidum</i>	<i>Claturella linearis</i>
<i>Pecten groenlandicus</i> → <i>Palliolum greenlandicum</i>	<i>Raphitoma purpurea</i> (Montagu 1803)
<i>Pecten islandicus</i> → <i>Chlamys islandica</i>	<i>Philbertia purpurea</i>
<i>Pecten maximus</i> (Linnaeus 1758)	<i>Retusa obtusa</i> (Montagu 1803)
<i>Pecten opercularis</i> → <i>Aequipecten opercularis</i>	<i>Utriculus obtusus</i>
<i>Pecten septemradius</i> → <i>Pseudamussium</i>	<i>Utriculus pertenuis</i>
<i>septemradiatum</i>	<i>Retusa truncatula</i> (Bruguière 1792)
<i>Pecten similis</i> → <i>Similipecten similis</i>	<i>Utriculus truncatulus</i>
<i>Pecten varius</i> → <i>Chlamys varia</i>	<i>Utriculus mammillatus</i>
<i>Pelseneeria stylifera</i> (Turton 1825)	<i>Retusa umbilicata</i> (Montagu 1803)
<i>Peringia ulvae</i> → <i>Hydrobia ulvae</i>	<i>Utriculus umbilicatus</i>
<i>Phaxas pellucidus</i> (Pennant 1777)	<i>Utriculus nitidulus</i>
<i>Cultellus pellucidus</i>	<i>Rhizorus acuminatus</i> (Bruguière 1792)
<i>Solen pellucidus</i>	<i>Rissoa abyssicola</i> → <i>Alvania abyssicola</i>
<i>Philbertia purpurea</i> → <i>Raphitoma purpurea</i>	<i>Rissoa albella</i> Lovén 1846
<i>Philine aperta</i> (Linnaeus 1767)	<i>Turboella albella</i>
<i>Philine aperta quadripartita</i>	<i>Rissoa cimicoides</i> → <i>Alvania cimicoides</i>
<i>Philine catena</i> (Montagu 1803)	<i>Rissoa inconspicua</i> Alder 1844
<i>Philine denticulata</i> (Adams 1800)	<i>Turboella inconspicua</i>
<i>Philine punctata</i> (Adams 1800)	<i>Rissoa interrupta</i> → <i>Rissoa parva</i>
<i>Philine quadrata</i> (S. Wood 1839)	<i>Rissoa jan mayeni</i> → <i>Alvania jan mayeni</i>
<i>Philine scabra</i> (Müller 1776)	<i>Rissoa lactea</i> → <i>Alvania lactea</i>
<i>Philine aperta quadripartita</i> → <i>Philine aperta</i>	<i>Rissoa lilacina</i> → <i>Rissoa violacea</i>
<i>Philinoglossa helgolandica</i> Hertling 1932	<i>Rissoa membranacea</i> (J. Adams 1800)
<i>Pholas candida</i> → <i>Barnea candida</i>	<i>Rissoa parva</i> (da Costa 1779)
<i>Pholas dactylus</i> Linnaeus 1758	<i>Turboella interrupta</i>
<i>Plagiocardium papillosum</i> Poli 1795	<i>Rissoa interrupta</i>
<i>Cardium papillosum</i>	<i>Rissoa punctura</i> → <i>Alvania punctura</i>
<i>Pododesmus patelliformis</i> (Linnaeus 1761)	<i>Rissoa scrobiculata</i> → <i>Alvania scrobiculata</i>

- Rissoa semistriata* → *Cingula semistriata*
Rissoa striata → *Onoba semicostata*
Rissoa violacea Desmarest 1814
 Rissoa lilacina
Rissoa vitrea → *Onoba vitrea*
Saxicava arctica → *Hiatella arctica*
Saxicava rugosa → *Hiatella rugosa*
Saxicavella jeffreysi Winckworth 1930
 Turneria jeffreysi
 Arcinella plicata
Scalaria communis → *Epitonium clathrus*
Scalaria turtonae → *Epitonium turtonis*
Scaphander lignarius (Linnaeus 1758)
Scaphander punctostriatus (Mighels & Adams 1841)
Scissurella crispata Fleming 1828
Scrobicularia piperata → *Scrobicularia plana*
Scrobicularia plana (da Costa 1778)
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Serripes groenlandicus (Bruguière 1798)
 Cardium groenlandicum
Similipecten similis (Laskey 1811)
 Pecten similis
Siphonodentalium lobatum (Sowerby 1860)
Skenea basistriata (Jeffreys 1877)
Skenea planorbis → *Skeneopsis planorbis*
Skenea serpuloides (Montagu 1808)
Skeneopsis planorbis (Fabricius 1780)
 Skenea planorbis
Solecurtius chamasolen (da Costa 1778)
Solecurtius scopula (Turlok 1822)
Solen ensis → *Ensis ensis*
Solen pellucidus → *Phaxas pellucidus*
Spiralis balea → *Limacina retroversa*
Spiralis retroversus → *Limacina retroversa*
Spisula elliptica (Brown 1827)
Spisula solida (Linnaeus 1758)
 Mactra solida
Spisula subtruncata (da Costa 1778)
 Mactra subtruncata
Stenotis palidula → *Lacuna pallidula*
Syndesmya alba → *Abra alba*
Syndesmya ovata → *Abra segmentum*
Syndesmya prismatica → *Abra prismatica*
Syrnola laevis → *Eulimella laevis*
Tapes aureus → *Paphia aurea senescens*
Tapes aureus → *Paphia aurea*
Tapes decussatus (Linnaeus 1758)
Tapes edulis → *Venerupis rhomboides*
Tapes pullastra → *Venerupis pullastra*
Tapes senescens → *Paphia aurea senescens*
Tapes virgineus → *Venerupis rhomboides*
- Taranis borealis* Bouchet & Warén 1980
Taranis moerchi (Malm 1861)
Tectura virginea → *Acmaea virginea*
Tellimya ferruginosa (Montagu 1803)
 Montacuta ferruginosa
Tellina balthica → *Macoma balthica*
Tellina calcaria → *Macoma calcarea*
Tellina crassula → *Macoma torelli*
Tellina donacina Linnaeus 1758
Tellina fabula → *Fabulina fabula*
Tellina loveni → *Macoma loveni*
Tellina pusilla → *Tellina pygmaea*
Tellina pygmaea (Lovén 1846)
 Tellina pusilla
Tellina tenuis → *Angulus tenuis*
Teredo navalis Linnaeus 1758
Theodoxus fluviatilis (Linnaeus 1758)
 Neritina fluviatilis
Thracia convexa (Wood 1815)
Thracia gracilis (Jeffreys 1865)
Thracia papyracea → *Thracia phaseolina*
Thracia phaseolina (Lamarck 1818)
 Thracia papyracea
Thracia villosiuscula (MacGillivray 1827)
Thyasira croulinensis (Jeffreys 1847)
Thyasira flexuosa (Montagu 1803)
 Axinus flexuosus
Thyasira sarsi (Philippi 1845)
Timoclea ovata (Pennant 1777)
 Venus ovata
Tonicella marmorea (Fabricius 1780)
Tonicella rubra (Linnaeus 1767)
Tridonta borealis Schumacher 1817
 Astarte borealis
Tridonta elliptica (Brown 1827)
 Astarte compressa
Tridonta montagui (Dillwyn 1817)
 Astarte banksie
Triforis perversa → *Triphora adversa*
Triforis perversa adversa → *Triphora adversa*
Triphora adversa (Montagu 1803)
 Triforis perversa
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Trivia arctica (Pulteney 1799)
Trivia monacha (da Costa 1778)
 Cypraea europaea
Trochus cineraria → *Gibbula cineraria*
Trochus tumida → *Gibbula tumida*
Trophon clathratus → *Boreotrophon clathratus*
Trophonopsis barvicensis (Johnston 1825)
Troschelia bernicensis (King 1846)

<i>Turboella albella</i> → <i>Rissoa albella</i>	<i>Velutina plicatilis</i> (Müller 1776)
<i>Turboella inconspicua</i> → <i>Rissoa inconspicua</i>	<i>Velutina velutina</i> (Müller 1776)
<i>Turboella interrupta</i> → <i>Rissoa parva</i>	<i>Venerupis pullastra</i> (Montagu 1803)
<i>Turbanilla acuta</i> → <i>Turbanilla delicata</i>	<i>Tapes pullastra</i>
<i>Turbanilla crenata</i> (Brown 1827)	<i>Venerupis rhomboides</i> (Pennant 1777)
<i>Turbanilla rufa</i>	<i>Tapes edulis</i>
<i>Turbanilla delicata</i> (Monterosato 1874)	<i>Tapes virgineus</i>
<i>Turbanilla acuta</i>	<i>Venus fasciata</i> → <i>Clausinella fasciata</i>
<i>Turbanilla lactea</i> (Linné 1758)	<i>Venus gallina</i> → <i>Chamelea striatula</i>
<i>Chemnitzia lactea</i>	<i>Venus ovata</i> → <i>Timoclea ovata</i>
<i>Turbanilla rufa</i> → <i>Turbanilla crenata</i>	<i>Vitreolina collensi</i> (Sykes 1903)
<i>Turbanilla sinuosa</i> (Jeffreys 1884)	<i>Vitreolina philippii</i> (Rayneval & Ponzi 1854)
<i>Turneria jeffreysi</i> → <i>Saxicavella jeffreysi</i>	<i>Eulima distorta</i>
<i>Turrisipho moebii</i> (Dunker & Metzger 1874)	<i>Balcis devians</i>
<i>Turritella communis</i> Risso 1826	<i>Xylophaga dorsalis</i> Turton 1822
<i>Turritella terebra</i>	<i>Yoldia arctica</i> → <i>Portlandia arctica</i>
<i>Turritella erosa</i> Couthouy 1838	<i>Yoldia hyperborea</i> Lovén 1859
<i>Turritella terebra</i> → <i>Turritella communis</i>	<i>Yoldiella frigida</i> (Torell 1859)
<i>Turtonia minuta</i> (Fabricius 1780)	<i>Portlandia frigida</i>
<i>Cyamium minutum</i>	<i>Yoldiella lenticula</i> (Möller 1842)
<i>Utriculus mammillatus</i> → <i>Retusa truncatula</i>	<i>Portlandia lenticula</i>
<i>Utriculus nitidulus</i> → <i>Retusa umbilicata</i>	<i>Yoldiella lucida</i> (Lovén 1846)
<i>Utriculus obtusus</i> → <i>Retusa obtusa</i>	<i>Portlandia lucida</i>
<i>Utriculus pertenuis</i> → <i>Retusa obtusa</i>	<i>Yoldiella philippiana</i> (Nyst 1845)
<i>Utriculus truncatulus</i> → <i>Retusa truncatula</i>	<i>Portlandia tenuis</i>
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