

South Scandinavian Marine Protoctista

Provisional Check-list compiled at the Tjärnö Marine Biological Laboratory by:

TJÄRNÖLAB. / Hans G. Hansson - 1991-07 - 1997-04-02

Species found in South Scandinavia, as well as from neighbouring areas, chiefly the British Isles, have been considered, as some of them may show to have a slightly more northern distribution, than what is known today. However, species with a typical Lusitanian distribution, with their northern distribution limit around France or Southern British Isles, have as a rule been omitted here, albeit a few species with probable northern limits around the British Isles are listed here until distribution patterns are better known. The compiler would be very grateful for every correction of presumptive lapses and omissions an initiated reader could make.

Denotations: (TM) = Genotype @ = Associated to * = General note

P.S. This list is a very unfinished manuscript. Chiefly flagellated organisms have yet been considered. This provisional PDF-file is so far only published as an Intranet file within TMBL's domain.

PROTOCTISTA

= PROTISTA

PROTOZOA Goldfuss,1818 (Emend. von Siebold,1846)

Gregarella Chatton & Brachon,1936
* Is this a much regressed flagellate?

G. fabreorum Chatton & Brachon,1936
@ on surface of or within food vacuoles of the ciliate *Fabrea salina* Henneguy
?France

Abollifer Vørs,1992
* Taxon incertae sedis

A. prolabens Vørs,1992 (TM - Tvärminne)
Tvärminne, Denmark

Allantion Sandon,1924
* Taxon incertae sedis

A. tachyploon Sandon,1924
Tvärminne, Denmark, Greenland, European & Arctic fresh waters

Ancyromonas Kent,1880
* Taxon incertae sedis

A. sigmoides Kent,1880
= *Bodo cephaloporus* Larsen & Patterson,1990
Tvärminne, Denmark, Jersey, England, Greenland, midAtlantic, Arctic Canada, Fiji, Hawaii, Panama, Australia, Antarctica

Bodomorpha Hollande,1952 (TM *Pseudobodo minima* Hollande,1942)
* Taxon incertae sedis.

Bodopsis Lemmermann,1913 (TM *Dimorpha alternans* Klebs,1892)
* Taxon incertae sedis.

B. gobboldi Lackey,1933
E North America

Caecitellus Patterson, Nygaard, Steinberg & Turley,1993
* Of uncertain affinities.

C. parvulus Griessmann,1913) Patterson, Nygaard, Steinberg & Turley,1993
= *Bodo parvulus* Griessmann,1913 (TM)
Oslofjord, midAtlantic

Chlorarachnion Geitler,1930
* Marine? Taxon incertae sedis. Genus transferred to new Divisio: Chlorarachniophyta and new Classis: Chlorarachniophyceae by Hibberd & Norris,1984

Cladomonas von Stein,1878
* Marine? Taxon incertae sedis.

Colpodella Cienkowski,1865
* Probably related to *Perkinsus* & Apicomplexa, according to Patterson,1989

C. perforans (Hollande,1938) Patterson & Zöllfel,1992
= *Spiromonas perforans* (Hollande,1938)
= *Bodo perforans* Hollande,1938
@ *Chilomonas paramecium*
?

C. gonderi (Foissner & Foissner,1984) Patterson & Zöllfel,1992
= *Spiromonas gonderi* Foissner & Foissner,1984
@ invading pellicle of ciliate genus *Colpoda*
?

Colponema von Stein,1878
* Taxon incertae sedis.

?C. sp. : Paperna & Laurencin,1979
@ *Dicentrarchus labrax*
French mariculture

Cruzella de Faria, da Cunha & Pinto,1922
* Taxon incertae sedis.

Cryothecomonas Thomsen, Buck, Bolt & Garrison,1991 (TM *C. armigera* Thomsen, Buck, Bolt & Garrison,1991 - Antarctic)
* Taxon incertae sedis. 3 antarctic species

C. inermis Thomsen, Buck, Bolt & Garrison,1991
?Kattegat

Cryptaulax Skuja,1948 (TM *C. akopos* Skuja,1948 - fresh water)
= *Spiromonas* Skuja,1939, non Perty,1852
* Taxon incertae sedis. May belong among Kinetoplastida

C. marina Thronsdén,1969
* May be identical with the freshwater living species *C. thiophila* Skuja,1956
Gulf of Finland, Tvärminne, Oslofjord, S & W Norway

Cyclomonas Fromentel,1874
= *Astasiopsis* Bütschli,1885 (TM *Cyclidium distortum* Dujardin,1841)
* Marine? Belongs possibly among euglenids

C. distortum (Dujardin,1841) Fromentel,1874
= *Cyclidium distortum* Dujardin,1841 (TM)

= *Astasiopsis distortum* (Dujardin,1841) Bütschli,1885
?

Dingensia Patterson & Zöllfel,1992, in Patterson & Larsen (TM *Heteromita angusta* Dujardin,1841)
* Taxon incertae sedis. Very similar to *Cryptaulax* Skuja

Dinomonas Kent,1880
* Taxon incertae sedis.

Diphylleia Massart,1920
* Marine? Incertae sedis.

Diplocaulium Grassé & Deflandre,1952 (TM *Bicosoeca inopinatum* ??,1???)
* Marine? Incertae sedis.

Diplomita Fromentel,1874 (TM *Diplomita insignis* Fromentel,1874)
* Marine? Incertae sedis.

Diplonema Griessmann,1913, non Berendt,1845 (Diptera), nec Greene,1857 (Coel.)
= *Isonema* ??,1???, non Meek & Worthen,1865 (Mollusca), nec Maas,1909 (Coel.)
= *Flagellamonas* Skvortzow,19?? = *Lackeymonas* Skvortzow,19??
= *Lowymonas* Skvortzow,19?? = *Milanezamonas* Skvortzow,19??
= *Spira* Skvortzow,19?? = *Teixeiramonas* Skvortzow,19??
= *Kolbeana* Skvortzow,19??
* Genus incertae sedis. Ultrastructural affinities with euglenids.

D. ambulator Larsen & Patterson,1990
W Scotland

Discocelis Vørs,1988, non Ehrenberg,1836 (Plathelminthes)
* Taxon incertae sedis.

D. saleuta Vørs,1988 (TM - Denmark)
Tvärminne, Denmark, Panama, Brazil, Australia

Entomosigma Schiller,1925
* Marine? Genus incertae sedis.

Errera Schouteden,1907
* Marine? Genus incertae sedis.

Fromentella Patterson & Zöllfel,1992 (TM *Pleuromonas granulosa* Fromentel,1874)
* Marine? Genus incertae sedis.

Gymnophrys Cienkowski,1876
* Marine? Genus incertae sedis.

Heliobodo Valkanov,1928
* Marine? Genus incertae sedis.

Helkesimastix Woodcock & Lapage,1915
* Taxon incertae sedis

H. faecicola Woodcock & Lapage,1915?
Plymouth

Hemistasia Griessmann,1913
* Genus incertae sedis.

Histiona Voigt,1902
* Marine? Genus incertae sedis.

Hyperamoeba Aléxéieff,1924, non Goodkov & al.,1982
* Marine? Genus incertae sedis.

Kamera (Woodcock,1916) Patterson & Zöllfel, in Patterson & Larsen,1992 (TM *Heteromastix lens* Woodcock,1916?)
* Marine? Genus incertae sedis.

Kathablepharis Skuja,1939

K. ovalis Skuja,1948
* Fresh water genus incertae sedis.
Gulf of Finland

Kitoksia Vørs,1992
* Taxon incertae sedis

K. ystava Vørs,1992 (TM - Tvärminne)
Tvärminne, Denmark, Arctic Canada

Luffisphaera Belcher & Swale,1975
* Taxon incertae sedis

L. turiformis Vørs,1992
Denmark

L. cucumiformis Belcher & Swale,1975
Tvärminne, English fresh water

L. myosurus Belcher & Swale,1975
Tvärminne, English fresh water

L. longihastis Vørs,1992
?Denmark

L. "sp. B" Belcher & Swale,1975
Tvärminne, English fresh water

L. "striata" Thomsen (nomen nudum) : Vørs,1992
Denmark

Metopion Larsen & Patterson,1990
* Taxon incertae sedis

M. fluens Larsen & Patterson,1990
Tvärminne, Denmark, Canaries, Fiji, Brazil

Metromonas Larsen & Patterson,1990
* Taxon incertae sedis. *Clautriavia parva* Schouteden,1907 may be the gliding stage of one species.

M. simplex (Griessmann,1913) Larsen & Patterson,1990
= *Phyllomonas simplex* Griessmann,1913 (TM)
Tvärminne, Denmark, Wadden Sea, Germany, France, England, Ireland, Greenland, Arctic Canada, Brazil, Fiji, Hawaii, Australia, Antarctica

M. grandis Larsen & Patterson,1991
N midAtlantic

Micromonas Borrel,1902, non Manton & Parke,1960
* Marine? Genus incertae sedis.

- Ministeria** Patterson, Nygaard, Steinberg & Turley, 1993
* Genus incertae sedis.
- M. marisola** Patterson, Nygaard, Steinberg & Turley, 1993
N midAtlantic
- Monochrysis** Skuja, 1948
* Marine? Genus incertae sedis.
- Multicilia** Cienkowski, 1881
? = *Polymastix* Gruber, 1884
* Genus incertae sedis.
- M. marina** ??, 19??
?
- Nephromonas** Droop, 1953
* Genus incertae sedis.
- N. hyalina** Droop, 1953 (TM - Finland)
* Recorded from low salinity pools.
Finland
- Parabodo** Skuja, 1939
* Marine? Genus incertae sedis.
- Paramastix** Skuja, 1948
* Marine? Genus incertae sedis.
- Petasaria** Moestrup, 1979
* Genus incertae sedis.
- P. heterolepis** Moestrup, 1979 (TM)
Denmark
- Phyllomitus** von Stein, 1878
* Genus incertae sedis.
- P. granulatus** Larsen & Pattersen, 1990
Denmark
- Phyllomonas** Klebs, 1892
* Marine? Genus incertae sedis.
- Pirsonia** Schnepf, Drebes & Elbrächter, 1990
* Genus incertae sedis.
- P. guinardiae** Schnepf, Drebes & Elbrächter, 1990 (TM - SE North Sea)
@ penetrating the valvae & girdle region of the pelagic diatom *Guinardia flaccida* (Castr.) Peragallo (main host) & *Rhizosolenia delicatula*
SE North Sea
- P. verrucosa** Kühn, in Kühn, Drebes & Schnepf, 1996
@ phagotrophic on *Rhizosolenia delicatula*
German Bight
- P. formosa** Kühn, in Kühn, Drebes & Schnepf, 1996
@ phagotrophic on *Rhizosolenia setigera* (main host), *R. schrubssolei*, *R. pungens*, *R. stolerfothii*, *Guinardia flaccida*, *Thalassionema nitschoides* & *Stephanopyxis turris*
German Bight
- P. diadema** Kühn, in Kühn, Drebes & Schnepf, 1996
@ phagotrophic on *Coscinodiscus granii*, *C. walesii* (main hosts) & *C. concinnus*
German Bight
- P. eucampiae** Kühn & Schnepf, in Kühn, Drebes & Schnepf, 1996
@ phagotrophic on *Eucampia zodiacus* (main host), *Cerataulina pelagica* & *Leptocylindrus danicus*
German Bight
- P. mucosa** Drebes, in Kühn, Drebes & Schnepf, 1996
@ phagotrophic on *Rhizosolenia schrubssolei* (main host), *R. delicatula*, *R. setigera*, *Cerataulina pelagica*, *Eucampia zodiacus* & *Chaetoceras decipiens*
German Bight
- Platytilomonas** Larsen & Patterson, 1990
* Marine? Genus incertae sedis.
- Pleurostomum** Namyslovsky, 1913
* Marine? Genus incertae sedis.
- Quadricilia** Vørs, 1992
* Taxon incertae sedis
- Q. rotundata** (Skuja, 1948) Vørs, 1992 (TM)
= *Tetramitus rotundatus* Skuja, 1948
= *Colloclitron sphaericum* Norris, 1964
Tvärminne, Denmark, New Zealand, Antarctica, Swedish fresh water
- Rhizomonas** Kent, 1880 (TM *R. verrucosa* Kent, 1880 - ?fresh water)
= *Solenicola* Pavillard, 1916
* Belonging where?
- R. setigera** (Pavillard, 1916) Patterson, Nygaard, Steinberg & Turley, 1993
= *Solenicola setigera* Pavillard, 1916 (TM of *Solenicola* Pavillard, 1916)
@ covering the diatom *Dactyliosolen mediterraneus* (H. Perag.) H. Perag.
Mediterranean, N midAtlantic
- Rigidomastix** Aléxéieff, 1929
* Marine? Genus incertae sedis.
- Salpingorhiza** Klug, 1936
* Marine? Genus incertae sedis.
- Schewiakoffia** Corliss, 1960
= *Maupasia* Schewiakoff, 1893, non Viguier, 1886 (Polychaeta)
* Marine? Genus incertae sedis.
- Stenocodon** Pascher, 1942
* Marine? Genus incertae sedis.
- Stephanomonas** Kent, 1881
* Marine? Genus incertae sedis.
- Stomatochone** Pascher, 1942
* Marine? Genus incertae sedis.
- Streptomonas** Klebs, 1892
* Marine? Genus incertae sedis.
- Telonema** Griessmann, 1913
* Systematic position problematic, but an affinity to *Cyathomonas* may possibly be assumed. Not mentioned in Chretiennot-Dinet, 1990
- T. subtile** Griessmann, 1913 (TM)
Tvärminne, Denmark, Oslofjord, S Norway, Bergen, Tromsø, Greenland, Arctic Canada, France, North Atlantic, Mediterranean, Belize, Japan
- T. sp.** : Vørs, 1992
* Will be described by Thomsen as *T. antarctica* (nom. nudum)
Tvärminne, Denmark, Antarctic
- Tetracilia** Valkanov, 1970
* Brackish water. Genus incertae sedis.
- Toshiba** Patterson & Zölffel, in Patterson & Larsen, 1992 (TM *Dimastigamoeba vorax* Massart, 1920)
= *Dimastigamoeba* Massart, 1920, non Blochmann, 1894
* Marine? Genus incertae sedis.
- Trichonema** Fromental, 1872
* Marine? Genus incertae sedis.
- Trimastix** Kent, 1880
* Genus incertae sedis.
- T. cionae** (Parona Corrado, 1886) Grassé, 1952
= *Elvireia cionae* Parona Corrado, 1886
@ *Ciona intestinalis*
Mediterranean
- Apusomonadidae** Karpov & Mylnikov, 1989
* Taxon incertae sedis
- Apusomonas** Aléxéieff, 19??
- Amastigomonas** de Saedeleer, 1931
= *Thecamonas* Larsen & Patterson, 1990
- A. debruynei** de Saedeleer, 1931
= *Thecamonas trahens* Larsen & Patterson, 1990
Tvärminne, S Baltic, temperate & tropical Atlantic, Greenland, Arctic Canada
- A. mutabilis** (Griessmann, 1913) Molina & Nerad, 1991
= *Rhynchomonas mutabilis* Griessmann, 1913
= *Thecamonas mutabilis* (Griessmann, 1913) Larsen & Patterson, 1990
Tvärminne, Denmark, Wadden Sea, England, France, Greenland, midAtlantic, Brazil, Australia
- A. bermudensis** Molina & Nerad, 1991
Bermudas
- Jacobidae** Patterson, 1990 (ICZN) = **Jacobaceae** Patterson, 1990 (ICBN)
* Family incertae sedis.
- Jakoba** Patterson, 1990
* Genus incertae sedis.
- J. libera** (Ruinen, 1938) Patterson, 1990
= *Cryptobia libera* Ruinen, 1938 (TM)
Kattegatt, SE North Atlantic, N midAtlantic, India, Australia
- Proteomyxidae**
* Marine? Taxon incertae sedis. Correct taxon niveau? Polyphyletic group.
@ Usually phyco- or phytoparasitic.
- Amoebophilidium** Scherffel, 1925
* Marine?
- Amylophagus** Scherffel, 1925
* Marine?
- Aphelidiopsis** Scherffel, 1925
* Marine?
- Barbetia** Dangeard, 1886
* Marine?
- Cibdelia** Juel, 1925
* Marine?
- Diplophysalis** Zopf, 1885
* Marine?
- Ectobiella** de Bruyne, 1890
* Marine?
- Endospora** Scherffel, 1925
* Marine?
- Endobiella** de Bruyne, 1888
* Marine?
- Endomonas** Zopf, 1887
* Marine?
- Gymnococcus** Zopf, 1885
* Marine?
- Polysporella** Zopf, 1887
* Marine?
- Protomonas** Zopf, 1885 (TM *Monas amyli* Cienkowski, 1865)
= *Quasimonas* Gobi, 1915 (TM *Monas amyli* Cienkowski, 1865)
* Marine?
- Pseudospora** Cienkowski, 1865
* Marine?
- Pseudosporopsis** Scherffel, 1925
* Marine?
- Woronina** Cornu, 1872
* Marine?
- Pseudodendromonadidae**
* Marine? Taxon incertae sedis. Correct taxon niveau?
- Cyathobodo** Petersen & Hansen, 1961
* Marine?
- Pseudodendromonas** Bourrelly, 1953
* Marine?
- Thaumatomastigidae** Patterson & Zölffel, 1991 = **Thaumatomastigaceae**
* Taxon incertae sedis. Correct taxon niveau?
- Gyromitus** Skuja, 1939 (TM *G. disomatus* Skuja, 19??)
* Marine?

Hyaloselene Skuja,1956
* Marine?

Protaspis Skuja,1939

P. glans Skuja,1939
Tvärminne, Latvia, Denmark, Wadden Sea, Arctic Canada, Hawaii

P. simplex Vørs,1992
Tvärminne, Denmark, Arctic Canada

P. verrucosa Larsen & Patterson,1990
Tvärminne, Denmark, England, Arctic Canada, Fiji

P. gemmifera Larsen & Patterson,1990
N midAtlantic

Rhizaspis Skuja,1948
* Marine?

Synoiomonas Skuja,1969
= *Gomesiamonas* Skvortzow & Noda,1969 = *Guttula* Skvortzow & Noda,1969
= *Hortobogguimonas* Skvortzow & Noda,1969 = *Oyemonas* Skvortzow & Noda,1969
= *Refractosystis* Skvortzow & Noda,1969 = *Refractodes* Skvortzow & Noda,1969
= *Refractomonas* Skvortzow & Noda,1969 = *Stromia* Skvortzow & Noda,1969
= *Synoiomonas* Skvortzow & Noda,1969
* Marine?

Thaumatomonas de Saedeleer,1931
* Marine?

Thaumatomastix Lauterborn,1899
= *Thaumatonema* Lauterborn,1896 (homonymity with a fossil diatom)
?= *Reckertia* Conrad,1920 (may be a synonym of *Thaumatomonas* de Saedeleer instead)
?= *Tentaculomonas* Skvortzow & Noda,1969

T. setifera Lauterborn,1899 (TM)
Plymouth

T. salina (Birch-Andersen,1973) Beech & Moestrup,1986
= *Chrysosphaerella salina* Birch-Andersen,1973
Tvärminne, Denmark, a widespread euryhaline & eurythermal species

T. "punctata" Thomsen, unpublished (nomen nudum)
Tvärminne, S Baltic

T. triangulata (Balanov,1980) Beech & Moestrup,1986
= *Chrysosphaerella triangulata* Balanov,1980
Tvärminne, Denmark, Russia

T. sagittifera (Conrad,1920) Beech & Moestrup,1986
= *Reckertia sagittifera* Conrad,1920
Denmark

Katablepharidaceae

* Belonging in which higher taxon?

Katablepharidae

Leucocryptos Butcher,1967
* Colourless. Taxon incertae sedis. Closely related to freshwater genus *Katablepharis* Skuja,1939, both previously wrongly classified in Cryptophyceae.

L. marina (Braarud,1935) Butcher,1967 (TM)
= *Bodo marina* Braarud,1935
= *Chilomonas marina* (Braarud,1935) Halldal,1953
Tvärminne, Belt Sea, Skagerrak, Oslofjord, S & W Norway, North Sea, Plymouth, Arctic Seas, N midAtlantic, cosmopolitan

L. remigera Vørs,1992
Tvärminne, Denmark, Faeroes, Greenland, Arctic Canada

SPONGOMONADIDA Hibberd,1983
* Marine? Taxon incertae sedis.

Rhipidodendron von Stein,1878
* Marine?

Spongomonas von Stein,1878 (TM *Phalansterium intestinum* Cienkowski,1870)
* Marine?

SARCOMASTIGOPHORA Honigberg & Balamuth,1963

MASTIGOPHORA Diesing,1866

PHYTOMASTIGOPHORA Calkins,1909

CRYPTOMONADIDA Senn,1900 "Rekylalger"
= CRYPTOMONADALES Engler,1903 = CRYPTOPHYCEAE Pascher,1914
All Pankow,1990 & Parke & Green, in Parke & Dixon,1976 included.

CRYPTOMONADINA Senn,1900
= CRYPTOMONADALES Engler,1903

Goniomonadidae Hill,1992 (ICZN)
= Goniomonadaceae Hill,1992 (ICBN) = Cyathomonadaceae sensu Pringsheim,1944

Goniomonas von Stein,1878
= *Cyathomonas* Fromentel,1874 (p.p.)
* Colourless.

G. truncata (Fresenius,1858) von Stein,1878 (TM)
= *Monas truncata* Fresenius,1858
= *Cyathomonas truncata* (Fresenius,1858) Fish,1885
* sand- & mud-living. Usually a fresh water species.
Tvärminne, Denmark, Belize, European fresh water

G. amphinema Larsen & Patterson,1990
Tvärminne, Denmark, England, midAtlantic, Australia, Fiji, Panama, Belize

G. pacifica Larsen & Patterson,1990
Tvärminne, Denmark, Wadden Sea, England, midAtlantic, Belize, Panama, Brazil, Hawaii

Cyptomonadaceae Ehrenberg,1838, sensu Butcher,1967
= Cyptomonadidae

Chilomonas Ehrenberg,1832
* Colourless.

C. paramecium Ehrenberg,1832 (TM)
brackish water from many localities, e.g. Britain, but normally freshwater

Chroomonas Hansgirg,1885 (TM *C. nordstedtii* Hansgirg,1885 - fresh water)
* Some of the species of subgenus *Cryptochrysis* should possibly go to *Pyrenomonas*.

C. (Chroomonas) raphanoides Conrad & Kufferath,1954
* Bad description.
Belgium

C. (Chroomonas) baltica (Büttner,1911) N. Carter,1938
= *Cyanomonas baltica* Büttner,1911
Kieler Bucht, Denmark, Belgium, Isle of Wight

C. (Chroomonas) vectensis N. Carter,1937
S Baltic, Kattegatt, Vadehavet, Belgium, Isle of Wight

C. (Chroomonas) extensa Butcher,1967
Isle of Wight

C. (Chroomonas) monococca Butcher,1967
Essex salt-marshes

C. (Chroomonas) virescens (Butcher,1952) Butcher,1967
= *Cryptochrysis virescens* Butcher,1952
E Britain

C. (Chroomonas) diplococca Butcher,1967
Yorkshire, Isle of Wight

C. (Chroomonas) dispersa Butcher,1967
Severn river salt-marsh lagoons

C. (Chroomonas) plurococca Butcher,1967
Essex, Kent & Isle of Wight salt-marshes

C. (Chroomonas) mesostigmatica Butcher,1967
Essex, Guersey

C. (Chroomonas) collegionis Butcher,1967
S England pools & salt-marshes

C. (Chroomonas) placoidea Butcher,1967
Oslofjord, Whitby rockpool

C. (Cryptochrysis Pascher,1911) *nana* Butcher,1967
Puffin Island rockpool

C. (Cryptochrysis Pascher,1911) *marina* (Büttner,1911) Butcher,1967
= *Cyptomonas marina* Büttner,1911
Kieler Bucht

C. (Cryptochrysis Pascher,1911) *esopus* (Conrad & Kufferath,1954) Butcher,1967
= *Cyptomonas esopus* Conrad & Kufferath,1954
* Inadequate description.
Belgium

C. (Cryptochrysis Pascher,1911) *pseudocaudata* Conrad & Kufferath,1954) Butcher,1967
= *Cyptomonas pseudocaudata* Conrad & Kufferath,1954
Belgium

C. guttata Conrad
Parke & Dixon,1976 area

C. africana Meyer & Pienaar,19??
?

C. sp. : Edler, Hällfors & Niemi,1984
Gulf of Finland

Cryptomonas Ehrenberg,1832, emend. von Stein,1878
* Probably confined to fresh water only. Marine species to be transferred to other genera.

C. (Cryptomonas) curvata (Ehrenberg,1832) Penard,1921
= *C. ovata* var. *curvata* Ehrenberg,1832
?

C. (Cryptomonas) diplastida Butcher,1967
Engl. Channel

C. (Cryptomonas) erosa Ehrenberg,1832, emend. von Stein,1878
* Fresh & brackish water
Gulf of Finland

C. (Cryptomonas) irregularis Butcher,1967
Engl. Channel

C. (Cryptomonas) lilloensis Conrad & Kufferath,1954
Belgium

C. (Cryptomonas) marssonii Skuja,1948
= *C. erosa* Ehrenberg var. *reflexa* Marsson,1904
Latvia, S Baltic, Belgium

C. (Cryptomonas) ovata Ehrenberg,1832, emend. von Stein,1878 (TM)
* Fresh water & brackish water ditches etc.
Gulf of Finland, S Baltic, Oslofjord, Britain (almost cosmopolitan)

C. (Cryptomonas) profunda Butcher,1967
Oslofjord, Thames estuary

C. (Cryptomonas) rhynchophora (Conrad,1939) Butcher,1967
= *Rhodomonas rhynchophora* Conrad,1939
Belgium

C. (Cryptomonas) stigmatica Wislouch,1924
Oslofjord, Engl. Channel, Black Sea

C. (Cryptomonas) suberosa Butcher,1967
Yorkshire

C. (Cearulomonas Butcher,1967) *magnifica* Butcher,1967
Isle of Wight saltmarsh

C. (Cearulomonas Butcher,1967) *cyanomagna* Butcher,1967
Cornwall rockpools

C. (Cearulomonas Butcher,1967) *synecheia* (Skuja,1939) Butcher,1967
= *Chroomonas synecheia* Skuja,1939
Riga Bay, Belgium

C. torta Conrad & Kufferath,1954
* Species of uncertain relationship, sensu Butcher,1967
Belgium

- C. calceiformis* Lucas,1970
Parke & Dixon,1976 area
- C. rostellata* Lucas,1970
Parke & Dixon,1976 area
- Komma** Hill,1991
- Rhinomonas** Hill & Wetherbee,1988
- R. pauca* Hill & Wetherbee,1988?
- R. fulva* (Butcher) Hill & Wetherbee,1988?
= *Chroomonas* (*Cryptochrysis* Pascher,1911) *fulva* (Butcher,1952) Butcher,1967
= *Cryptochrysis fulva* Butcher,1952
Wales
- R. lateralis* (Butcher) Hill & Wetherbee,1988?
= *Chroomonas* (*Cryptochrysis* Pascher,1911) *lateralis* (Butcher,1952) Butcher,1967
= *Cryptochrysis lateralis* Butcher,1952
Wales
- R. fragarioides* (Butcher) Hill & Wetherbee,1988?
= *Chroomonas* (*Cryptochrysis* Pascher,1911) *fragarioides* Butcher,1967
Engl. Channel
- R. reticulata* (Lucas,1970) Novarino,19??
= *Cryptomonas reticulata* Lucas,1970
Parke & Dixon,1976 area
- Rhodomonas** Karsten,1898, emend. Hill & Wetherbee,1989
= *Pyrenomonas* Santore,1984
= *Pyrenomonas* Leedale & Hibberd, in Lee, Hutner & Bovee,1985
- R. baltica* Karsten,1898 (TM)
= *Cryptomonas baltica* (Karsten,1898) Butcher,1967
= *Cryptomonas pseudobaltica* Butcher,1967
Gulf of Finland, Belt Sea - Kattegatt area, Bohuslän, Oslofjord, Bergen, Tromsø, Isle of Wight, Yorkshire, Wales
- R. marina* (Dangeard,1892) Lemmermann,19??
= *Cryptomonas marina* Dangeard,1892
= *Chroomonas marina* (Büttner) Butcher,19??
= *Rhodomonas pelagica* Lohmann,1908
= *Cryptomonas pelagica* (Lohmann,1908) Butcher,1967
W Baltic, Kattegatt, E North Sea
- R. salina* (Wislouch,1924) Hill & Wetherbee,1989
= *Cryptomonas salina* Wislouch,1924 (TM of *Pyrenomonas* Leedale & Hibberd, in Lee, Hutner & Bovee,1985)
= *Pyrenomonas salina* (Wislouch,1924) Leedale & Hibberd, in Lee, Hutner & Bovee,1985
= *Chroomonas* (*Cryptochrysis* Pascher,1911) *salina* (Wislouch,1924) Butcher,1967
* With great form variability.
Kattegatt, Tromsø, all around Britain, Mediterranean
- R. lacustris* var. *lacustris* Pascher & Ruttner, in Pascher,1913
= *Cryptomonas pusilla* Bachmann,1923
= *Rhodomonas minuta* Skuja,1948
= *Rhodomonas pusilla* (Bachmann,1923) Javornicky,1967
* Should probably be removed from *Rhodomonas*, according to Hill & Wetherbee,1989
All Baltic, Denmark
- R. lacustris* var. *nannoplanctica* (Skuja,1948) Javornicky,1976
= *Rhodomonas minuta* var. *nannoplanctica* Skuja,1948
S Baltic
- R. ruttneri* Schiller,1925
* Species of uncertain relationship, sensu Butcher,1967
?
- R. gracilis* Schiller,1925
* Species of uncertain relationship, sensu Butcher,1967
Belgium, Adriatic
- R. abbreviata* Butcher, ex Hill & Wetherbee,1989?
= *Cryptomonas* (*Cryptomonas*) *abbreviata* Butcher,1967
Guernsey rockpool
- R. atrosea* Butcher, ex Hill & Wetherbee,1989?
= *Chroomonas* (*Cryptochrysis* Pascher,1911) *atrosea* Butcher,1967
Sussex, Isle of Wight, Bristol Channel
- R. chrysoidea* Butcher, ex Hill & Wetherbee,1989?
= *Cryptomonas* (*Cryptomonas*) *chrysoidea* Butcher,1967
Essex
- R. duplex* Hill & Wetherbee,1989?
= *Cryptomonas* (*Cryptomonas*) *appendiculata* Butcher,1967
Isle of Man
- R. falcata* Butcher, ex Hill & Wetherbee,1989?
= *Chroomonas* (*Cryptochrysis* Pascher,1911) *falcata* Butcher,1967
Wales
- R. heteromorpha* Butcher, ex Hill & Wetherbee,1989?
= *Chroomonas* (*Cryptochrysis* Pascher,1911) *heteromorpha* Butcher,1967
Britain
- R. maculata* Butcher, ex Hill & Wetherbee,1989
= *Cryptomonas* (*Cryptomonas*) *maculata* Butcher,1967
Engl. Channel
- Geminigera** Hill,1991
- G. cryophila* (Taylor & Lee) Hill,1991?
?
- Proteomonas** Hill & Wetherbee,1986
- P. sulcata* Hill & Wetherbee,1986?
?
- Teleaulax** Hill,1991
- T. acuta* (Butcher,1952) Hill,1991
= *Cryptomonas acuta* Butcher,1952 (TM)
= *Cryptomonas prora* Conrad & Kufferath,1954
Kattegatt, Oslofjord, Bergen, Belgium, England, Wales
- T. amphioxeia* (Conrad,1939) Hill,1991
= *Rhodomonas amphioxeia* Conrad,1939
= *Chroomonas amphioxeia* (Conrad,1939) Butcher,1967
Gulf of Finland, Kattegatt, Belgium, E North America, Japan
- Plagioselmis** Butcher,1967
- P. prolunga* Butcher,1967 (TM)
Kattegatt, Bergen, Suffolk
- P. punctata* Butcher,1967
England (St. Germans River)
- Storeatula** Hill,1991
- S. major* Butcher, ex Hill,1991?
= *Cryptomonas* (*Cryptomonas*) *major* Butcher,1967
Essex, Isle of Wight
- Isoselmis* Butcher,1967
- I. obconica* Butcher,1967 (TM)
Bergen, Plymouth
- Falcomonas** Hill,1990
- F. daucooides* (Conrad & Kufferath) Hill,1990?
= *Hillea daucooides* (Conrad & Kufferath,1954) Butcher,1967
= *Chroomonas daucooides* Conrad & Kufferath,1954
Belgium
- Hemiselmidaceae** Butcher,1967 ex Silva,1980
- Hemiselmis** Parke,1949
= *Sennia* : Skuja,1948, non Pascher
= *Nephroselmis* : Pascher,1912, non von Stein,18
?= *Protochrysis* Pascher,1911 (p.p.)
- H. (Plagiomonas) Butcher,1967) anomala* Butcher,1967
Oslofjord, Wales
- H. (Hemiselmis) brunnescens* Butcher,1967
Oslofjord, Engl. Channel, Wales
- H. (Hemiselmis) cyclopea* Butcher,1967
Oslofjord, England, Wales
- H. (Plagiomonas) Butcher,1967) simplex* Butcher,1967
Oslofjord, Bergen, England, Wales
- H. (Plagiomonas) Butcher,1967) virescens* Droop,1955
Øregrund, S Kattegatt, Oslofjord, Bergen, Tromsø, Yorkshire, Scotland, Japan, Australia
- H. (Hemiselmis) rufescens* Parke,1949 (TM)
North Sea, Isle of Man
- H. (Hemiselmis) amyliifera* Butcher,1967
Suffolk
- H. (Hemiselmis) oculata* Butcher,1967
Engl. Channel
- H. (Plagiomonas) Butcher,1967) rotunda* Butcher,1967
Isle of Wight
- H. vinosa* (Conrad,1939) Chrétiennot-Dinet-1990
= *Protochrysis vinosa* Conrad,1939
Belgium
- Hilleaceae** Butcher,1967
- Hillea* Schiller,1925, emend. Butcher,1967
- H. fusiformis* (Schiller,1913) Schiller,1925 (TM)
= *Chlamydomonas fusiformis* Schiller,1913
Adriatic
- H. caerulea* (Schiller,1925) Butcher,1967
= *Rhodomonas caerulea* Schiller,1925
* Possibly identical with *H. fusiformis* (Schiller).
?
- H. phaselos* (Conrad & Kufferath,1954) Butcher,1967
= *Chroomonas phaselos* Conrad & Kufferath,1954
Belgium
- H. cyanea* (Lackey,1932) Butcher,1967
= *Chroomonas cyaneus* Lackey,1932
Belgium, New Jersey
- H. minuscula* (Conrad & Kufferath,1954) Butcher,1967
= *Rhodomonas minusculus* Conrad & Kufferath,1954
Belgium
- H. fusulina* (Conrad & Kufferath,1954) Butcher,1967
= *Rhodomonas fusulina* Conrad & Kufferath,1954
Belgium
- H. serpens* (Conrad & Kufferath,1954) Butcher,1967
= *Cryptomonas serpens* Conrad & Kufferath,1954
Belgium
- H. semilunaris* (Conrad & Kufferath,1954) Butcher,1967
= *Cryptomonas semilunaris* Conrad & Kufferath,1954
Belgian brackish water
- H. akroboles* (Conrad & Kufferath,1954) Butcher,1967
= *Cryptomonas akroboles* Conrad & Kufferath,1954
Belgian brackish water
- H. marina* Butcher,1962
Wales
?
- DINOFLAGELLIDA** Bütschli,1885
= **DINOPHYCEAE** West & Fritsch,1927
- Karyoclastis** Campbell,1926
* Correct order? Which family? Related to *Duboscquella* ?
- K. tintinni** Campbell,1926
@ *Tintinnopsis nucula*
?California
- DESMOMONADALES** Pascher,1914
- Adinomonadaceae** Schiller,19??
- Adinomonas** Schiller,1928

- * Regarded as a doubtful dinoflagellate by Sournia,1986.
 * Not mentioned by Larsen & Sournia,1992, in Patterson & Larsen

Haplodiniaceae Lindemann,1928 = Desmomonadaceae

Desmomastix

- * Not mentioned by Larsen & Sournia,1992, in Patterson & Larsen

Pleromonas Pascher,1914 (™ *P. erosa* Pascher,1914)

Haplodinium Klebs,1912 (™ *H. anjoliense* Klebs,1912)

Desmopsaceae Pascher,1914

Desmopsa Pascher,1914
 @ Rhodophyceae epiphyte

D. gelatinosa Pascher,1914 (™)
 ?

OXYRRHINALES Sournia,1984
 * Taxon not recognized by Taylor,1987.

Oxyrrhinaceae Sournia,1984

Oxyrrhis Dujardin,1841

O. marina Dujardin,1841 (™)
 = *O. tentaculifera* Conrad,1939
 = *O. maritima* Van Meel,1969
 * Main occurrence in rock pools,
 Gulf of Finland, S & W Baltic, Øresund, Kattegatt, Oslofjord, Bergen, Tromsø, Britain, (almost universal
 distribution)

PROOCENTRALES Lemmermann,1910

Proocentridae = Proocentraeae von Stein,1883

Proocentrum Ehrenberg,1834

= *Cercaria* Michaelis,1830
 = *Exuviaella* Cienkowski,1881
 = *Postroocentrum* Gourret,1883

P. micans Ehrenberg,1834 (™)
 = *P. schilleri* Bohm, in Schiller,1933
 = *P. levantinoides* Bursa,1959
 = *P. pacificum* Wood,1963
 cosmopolitan neritic, W & S Baltic, Kattegatt, Skagerrak, Oslofjord, North Sea, Britain

P. balticum (Lohmann,1908) Loeblich III,1970
 = *Exuviaella baltica* Lohmann,1908
 = *Proocentrum pomoideum* Bursa,1959
 = *Exuviaella aequatorialis* Hasle,1960
 all Baltic but Bothnian Bay, Kattegatt, Skagerrak, Oslofjord, North Sea, Plymouth

P. aporum (Schiller,1918) Dodge,1975
 = *Exuviaella apora* Schiller,1918
 = *Exuviaella grani* Gaarder,1938
 = *Exuviaella antarctica* Hada,1970
 Norway, North Sea, Adriatic

P. cassubicum (Woloszynska,1928) Dodge,1975
 = *Exuviaella cassubica* Woloszynska,1928
 * Littoral
 ?central Baltic?, Isle of Wight, Woods Hole

P. lima (Ehrenberg,1859) Dodge,1975
 = *Cryptomonas lima* Ehrenberg,1859
 = *Exuviaella marina* Cienkowski,1881
 = *Dinopyxis laevis* von Stein,1883
 = *Exuviaella cincta* Schiller,1918
 = *Exuviaella ostenfeldti* Schiller,1933
 = *Exuviaella caspica* Kiselev,1940
 * Littoral & benthic. Toxic to mammals.
 Baltic, Oslofjord, Trondheimsfjord, North Sea, Britain, except NE England, Europe

P. nanum Schiller,1918
 = *Exuviaella pusilla* (Schiller) Schiller,1928
 off Plymouth
 Atlantic, Adriatic

P. compressum (Bailey,1850) Abe,1967
 = *Pyxidicula compressa* Bailey,1850
 = *Proocentrum bidens* Schiller,1928
 = *Proocentrum lebourae* Schiller,1928
 = *Exuviaella oblonga* Schiller,1928
 = *Exuviaella lenticulata* Matzenauer,1933
 = *Exuviaella elongata* Rampi,1951
 Limfjorden, Kattegatt, North Sea, off N & NW Britain, ?eastward Gulf stream drift, Mediterranean

P. triestinum Schiller,1918
 = *P. redfeldii* Bursa,1959
 = *P. pyrenoideum* Bursa,1959
 Limfjorden, Netherlands, Plymouth, Mediterranean

P. gracile Schütt,1895
 = *P. macrurus* Antihassopoulos,1931
 = *P. hentscheli* Schiller,1933
 = *P. sigmoides* Bohm,1933
 = *P. diamanthinae* Wood,1963
 E Scotland, Atlantic, Mediterranean

P. scutellum Schröder,1900
 = *P. sphaeroideum* Schiller,1928
 = *P. robustum* Tafall,1942
 N Kattegatt, Skagerrak, N & off SW Scotland, Atlantic, Arctic Sea

P. dentatum von Stein,1883
 = *P. obusidens* Schiller,1928
 = *P. veloi* Tafall,1942
 = *P. monacense* Kufferath,1957
 North Sea, Plymouth, Galway

P. minimum (Pavillard,1916) Schiller,1933
 = *Exuviaella minima* Pavillard,1916
 = *Proocentrum triangulatum* Martin,1929
 = *Exuviaella mariae-lebouriae* Parke & Ballantine,1957
 = *Proocentrum cordiformis* Bursa,1959
 * Certain clones toxic to mice.
 W & S Baltic, Øresund, S & central Kattegatt, S North Sea, Sussex, N Scotland, Portugal, Mediterranean

Mesoporus Lillick,1937
 = *Porella* Schiller,1928

= *Dinoporella* Halim,19
 = *Porothea* Silva,1960

M. perforatus (Gran,1915) Lillick,1937 (™)

= *Exuviaella perforata* Gran,1915
 = *Porella perforata* : Schiller,1928
 = *Porella asymmetrica* Schiller,1933
 = *Porella adriatica* Schiller,1928
 = *Porella bisimpresa* Schiller,1928
 = *Porella globulus* Schiller,1928
 SW & N Kattegatt, Skagerrak, Oslofjord, off Norway, North Sea, Britain, Adriatic

DINOPHYSALES Lindemann,1928

Citharistaceae

Citharistes von Stein,1883 (™ *C. regius* von Stein,1883)

Dinophysiidae Bergh,1882 = Dinophysiaceae Bütschli,1885

Dinophysis Ehrenberg,1839
 = *Phalacroma* von Stein,1883 = *Pseudophalacroma* Jørgensen,1923
 = *Prodinophysis* Balech,1944 = *Metadinophysis* ??,1???
 = *Pseudophalacroma* Jørgensen, ex Lebour,19??

D. acuta Ehrenberg,1839 (™)
 * DSP-producing, toxic to mammals,
 worldwide distribution, W & S Baltic, Øresund, Kattegatt, Skagerrak, Oslofjord, North Sea, N Scotland

D. acuminata Claparède & Lachmann,1859
 = *D. borealis* Paulsen,1949
 = *D. lachmannii* Paulsen,1949
 = *D. boehmi* Paulsen,1949
 * DSP-producing, toxic to mammals,
 all Baltic, Øresund, Kattegatt, Skagerrak, Oslofjord, North Sea, around Britain

D. arctica Mereschkowsky,1879
 Belt Sea

D. baltica (Paulsen,1908) Kofoid & Skogsberg,1928
 = *D. ovum* var. *baltica* Paulsen,1908
 = *D. cassubica* Woloszynska,1928
 All Baltic except Bothnian Sea & Bay

D. caudata Saville-Kent,1881
 = *D. tripos* Gourret,1883
 = *D. homunculus* von Stein,1883
 SE Kattegatt, off N Scotland, off SW England

D. contracta (Kofoid & Skogsberg,1928) Dodge,1982
 = *Phalacroma contractum* Kofoid & Skogsberg,1928
 ?= *Phalacroma ruidii* Braarud,1935
 Norway, Oslofjord, North Sea, off N Iceland, E England, NW Spain

D. dens Pavillard,1915
 * Probably a development stage of *D. acuta* Ehrenberg
 Kattegatt, off Norway, off W Britain, Danish Strait, Mediterranean

D. groenlandica (Schiller,1933) Balech,1967
 = *Phalacroma groenlandica* Schiller,1937
 Baltic

D. hastata von Stein,1883
 = *D. odiosa* ?,1???
 W Baltic, Øresund, Kattegatt, Oslofjord, Norway, North Sea, off N Scotland, NE & SW England, off NW Spain

D. mucronata (Kofoid & Skogsberg,1928) Sournia,1973
 = *Phalacroma mucronatum* Kofoid & Skogsberg,1928
 = *Phalacroma paulseni* Schiller,1928
 W Norway, off NW Britain

D. nasutum (von Stein,1883) Parke & Dixon,1968
 = *Phalacroma nasutum* von Stein,1883
 off NE & SW England, off Bretagne, Mediterranean

D. norvegica Claparède & Lachmann,1858/59
 = *D. norvegica* var. *debitor* Paulsen,1907
 * DSP-producing, toxic to mammals,
 all Baltic, Øresund, Kattegatt, Skagerrak, Oslofjord, North Sea, N Scotland

D. ovum Schütt,1895
 Baltic, N Scotland

D. punctata Jørgensen,1923
 Plymouth, W France

D. recurva Kofoid & Skogsberg,1928
 = *D. lenticula* Pavillard,1916, non von Daday,1888
 Engl Channel & other areas around Britain, Mediterranean

= *D. rotundata* Claparède & Lachmann,1859
 = *D. whittingae* Balech,1971
 = *Phalacroma rotundatum* (Claparède & Lachmann,1859) Kofoid & Michener,19??
 all Baltic, Øresund, Kattegatt, Skagerrak, Oslofjord, North Sea, Norway, Greenland, Barents Sea, around
 Britain, Mediterranean

D. saeculus ??,19??
 * DSP-producing, toxic to mammals.
 France

D. skagii Poulsen,1949
 N Scotland

Histioneis von Stein,1883 (™ *H. remora* von Stein,1883)
 = *Parahistioneis* Kofoid & Skogsberg,1928

Ornithocercus von Stein,1883 (™ *O. magnificus* von Stein,1883)

Dinofurcula Kofoid & Skogsberg,1928 (™ *D. ultima* (Kofoid) Kofoid & Skogsberg,1928)

Histiophysis Kofoid & Skogsberg,1928
 * Regarded as a doubtful dinoflagellate by Sournia,1986.
 * Not mentioned by Larsen & Sournia,1992, in Patterson & Larsen

Heteroschisma Kofoid & Skogsberg,1928 (™ *H. inaequale* Kofoid & Skogsberg,1928)
 = *Latifascia* Loeblich Jr. & Loeblich III
 = *Proheteroschisma* Tai & Skogsberg,19

Metaphalacroma Tai & Skogsberg,1934 (™ *M. skogsbergii* Tai, in Tai & Skogsberg,1934)

Sinophysis Nie & Wang,1944 (™ *S. microcephalus* Nie & Wang,1944)

S. ebriolium (Herdman,1924) Balech,1956

* sand-living
Kattegatt, Isle of Man, Engl. Channel, Port Erin, Woods Hole

Thaumodinium Böhm, 1933

* Regarded as a doubtful dinoflagellate by Sournia, 1986.

* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Amphisolenia von Stein, 1883

A. globifera von Stein, 1883 (TM)
N Biscay, warm Atlantic, Mediterranean

Tripsolema Kofoid, 1906 (TM *T. truncata* Kofoid, 1906)

Oxyphysaceae

Oxyphysis Kofoid, 1926 (TM *O. oxytoxoides* Kofoid, 1926)

ACTINISCALES

Actiniscaceae Kützing, 1844

Actiniscus Ehrenberg, 1843
= *Diaster* Meunier, 18
= *Gymmaster* Schütt, 18

A. pentasterias (Ehrenberg) Ehrenberg, 1854 (TM)
N. Kattegatt, Skagerrak, Oslofjord

Dicroerisma Taylor & Cattell, 1969 (TM *D. psiloneriella* Taylor & Cattell, 1969)

Achradina Lohmann, 1903

Amphitholus ??, 19??

DINOTHRICHALES Pascher, 1914

Dinotrichidae = Dinotrichaceae Pascher, 1914

Dinotrix Pascher, 1914
@ Marine plants

D. paradoxa Pascher, 1914 (TM)
?Mediterranean or ?North Sea

Dinoclodium ??, 19??

DINAMOEBALES

Dinamoebaceae

Dinamoebidium Pascher, 1916

DINOCOCCALES Pascher, 1914
= PHYTODINIALES

Collinella ?Cachon, 1964?

* Correct suborder? Which family?

* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

C. ovoidea ?Cachon, 1964?
@ *Acanthometra pellucida*

Mediterranean

Gloedinidae

= Gloedinaceae Pascher, ex Schiller, 1937

Gloedinium Klebs, 1912 (TM *G. montanum* Klebs, 1912 - fresh water)
? = *Hemidinium*

Rufusiella Loeblich III, 1967?

* Possibly a synonym of *Gloedinium* Klebs, sensu Larsen & Sournia, 1992

Phytodiniaceae

Cystodinedria Pascher, 1944

Cystodinium ??, 19??

Dinastridium ??, 19??

= *Bourrellyella* ??, 19??

Hypnodinium ??, 19??

Manchudinium ??, 19??

* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Paulsenella Chatton, 1920

* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

P. chaetoceratis (Paulsen, 1911)

@ *Chaetoceros decipiens* & *C. boreale*
E North Sea, E Greenland

P. vonstoschii Drebes & Schnepf, 1989

@ *Streptotheca thamesis*, *Neostreptotheca subindica*, *Bellerochea malleus* & *Lithodesmium undulatum*
North Sea

P. kornmanni Drebes & Schnepf, 1989

@ *Eucampia zodiacus*
North Sea

Phytodinedria ??, 19??

* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Phytodinium ??, 19??

Rhizodinium ??, 19??

* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Spiniferodinium ??, 19??

Stylodiniaceae

Stylodinium Klebs, 1912 (TM *S. globosum* Klebs, 1912 - fresh water)

= *Dinopodiella* Pascher, 19??

* only one marine species known

S. gastrophilum Cachon, 19??

@ in the cavities of the gastrozooids of the Siphonophores *Abylopsis tetragona*, *Chelophyes* sp. & *Sulculeolaria* sp.
Mediterranean

Tetradinium ??, 19??

Dinococcus ??, 19??

Thoracosphaeraceae

Thoracosphaera Kamptner, 1927 (TM *T. pelagica* Kamptner, 1927)

PYROCYSTALES

Pyrocystidae

= Pyrocystaceae (Schütt) Lemmermann, 1899

Pyrocystis Murray, ex Haeckel, 1890

= *Murracystis* Haeckel, 1891

@ Marine invertebrate ectoparasites

P. lunula (Schütt, 1895) Schütt, 1896

= *Gymnodinium lunula* Schütt, 1895

S & W Norway

P. noctiluca Murray, ex Haeckel, 1890 (TM)

= *P. pseudonoctiluca* Wyville-Thomson, in Murray

= *Gontiodoma concava* Gaarder, 1954

oceanic warm water species occasionally found to the W of Britain

P. hamulus Cleve, 1900

Engl. Channel, Clyde Sea

BRACHYDINIALES Loeblich III, ex Sournia, 1984

Brachydiniaceae Sournia, 1972

Asterodinium Sournia, 1972 (TM *A. gracile* Sournia, 1972)

Brachydinium Taylor, 1963 (TM *B. capitatum* Taylor, 1963)

NOCTILUCALES Haeckel, 1894

Kofoididiniaceae Taylor, 1976

Cymbodinium Cachon & Cachon, 1967 (TM *C. elegans* Cachon & Cachon, 1967 - Mediterranean)

Kofoidinium Pavillard, 1928

K. velleoides Pavillard, 1928 (TM)

Britain north of 54° N

Pomatodinium Cachon & Cachon-Enjumet, 1966 (TM *P. impatiens* Cachon & Cachon-Enjumet, 1966 - Mediterranean)

Spatulodinium Cachon & Cachon, 1968

S. pseudonoctiluca (Pouchet, 1885) Cachon & Cachon, ex Loeblich Jr. & Loeblich III, 1969 (TM)

= *Gymnodinium pseudonoctiluca* Pouchet, 1885

around NW England clockwise to NE England, Faeroes, Bretagne, Mediterranean

Leptodiscaceae Kofoid, 1905

Cachonodinium Loeblich III, 1980 (TM *C. caudatum* (Cachon & Cachon, 1969) Loeblich III, 1980 - Mediterranean)

= *Leptodinium* Cachon & Cachon, 1969?

Craspedotella Kofoid, 1905 (TM *C. pileolus* Kofoid, 1905 - Mediterranean & Tropical Pacific)

Leptodiscus Hertwig, 1877 (TM *L. medusoides* Hertwig, 1877)

= *Pratjetella* Lohmann, 19??

Leptophyllus Cachon & Cachon-Enjumet, 1964 (TM *L. dasypus* Cachon & Cachon-Enjumet, 1964 - Mediterranean)

= *Abedinium* Loeblich Jr. & Loeblich III, 19??

Petalodinium Cachon & Cachon, 1969 (TM *P. porcelio* Cachon & Cachon, 1969 - Mediterranean)

Scaphodinium Margalef, 1963 (TM *S. mirabile* Margalef, 1963 - Mediterranean)

= *Leptospathium* Cachon & Cachon-Enjumet, 1964

Noctilucidae = Noctilucaceae Kent, 1881

Noctiluca Suriray, ex Lamarck, 1816

N. scintillans (Macartney, 1810) Kofoid, 1920

= *Medusa marina* Slabber, 1771

= *Medusa scintillans* Macartney, 1810

= *Noctiluca militaris* Suriray, ex Lamarck, 1816 (TM)

* Toxic to fish.

W Baltic, Öresund, Kattegatt, Bohusl. Oslofjord, E North Sea, S & W Norway

Noctiluciales incertae sedis

Pronoetiluca Fabre-Domergue, 1889

= *Pelagorhynchus* Pavillard, 1917

P. pelagica Fabre-Domergue, 1889 (TM)

= *Pelagorhynchus marina* Pavillard, 1917

= *Rhynchomonas marina* Lohmann, 1902

= *Protodiniifera marimum* Kofoid & Swezy, 1921

W Baltic, Isle of Man, Bretagne, N midAtlantic

P. phaeocysticola ??, 19??

@ endoparasite in *Phaeocystis pouchetii*; ectoparasite on *Thalassiosira partheneia*

P. sp.: Drebes, 1974

@ *Coscinodiscus concinnus* & other centric diatoms

North Sea

P. sp. cf. **phaeocysticola**

@ *Biddulphia sinensis*

?

Protodiniifera Kofoid & Swezy, 1921

* Correct order? Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

GYMNODINIALES Lemmermann, 1910

Gymnodiniidae Bergh, 18?? = Gymnodiniaceae Lankester, 1885

Amphidinium Claparède & Lachmann, 1859

= *Trochodinium* Conrad, 19??

A. operculatum Claparède & Lachmann, 1859 (TM)

? = *A. steinii* (Lemmermann, 1910) Kofoid & Swezy, 1921

= *A. klebsii* Kofoid & Swezy, 1921
 = *A. massartii* Biecheler, 1952
 = *A. rhynchocephalum* Anissimowa, 1926
 = *A. wislouchi* Hulburt, 1957
 = *A. hofleri* Schiller & Diskus, 1955
 all Baltic, Skagerrak, North Sea, Norway, Belgium, Britain, Mediterranean

A. acutissimum Schiller, 1933
 Kattegatt

A. britannicum (Herdman, 1924) Lebour, 1925
 = *A. asymmetricum* var. *britannicum* Herdman, 1924
 * sand-living.
 E North Sea, fr. E Scotland clockwise around Britain to SW Scotland

A. britannicum (Herdman) Lebour, var. *compactum* Herdman, 1924
 = *A. asymmetricum* Kofoid, var. *compactum* Herdman, 1924
 Tromsø, W Britain

A. carteri Hulburt, 1957
 = *A. klebsii* : Carter, 1937, non Kofoid & Swezy, 1921
 Belt Sea, Oslofjord, S Norway, around Britain

A. chattoni (Hovasse, 1922) Taylor, 1971
 = *Endodinium chattoni* Hovasse, 1922 (TM of *Endodinium* Hovasse, 1922)
 = *Zooxanthella chattonii* : Hovasse, 1924
 @ intracellular in *Velella velella*
 Engl. Channel, Mediterranean, Florida

A. longum Lohmann, 1908
 all Baltic but Bothnian Bay & Sea, Skagerrak, Oslofjord, Barents Sea, Adriatic

A. nutricula (Brandt, 1881)
 = *Zooxanthella nutricula* Brandt, 1881 (TM of *Zooxanthella* Brandt, 1881)
 @ in the radiolarians *Collozoum inerme* & *Sphaerouzoum punctatum*
 ?

A. bipes Herdman, 1924
 * sand-living.
 E North Sea, Isle of Man, Isle of Wight, Sussex, Kent, Yorkshire, Galloway

A. crassum Lohmann, 1908
 = *A. phaeocysticola* Lebour, 1925
 * sand-living.
 central & W Baltic, Kattegatt, Belgium, Britain, Adriatic

A. flexum Herdman, 1923
 * sand-living.
 Belgium, British shores

A. incoloratum Campbell, 1973
 Kattegatt

A. latum Lebour, 1925
 ?E North Sea, Belgium, Britain

A. manannini Herdman, 1924
 * sand-living.
 Belgium, Britain

A. pellucidum Herdman, 1922
 * sand-living.
 Bothnian Sea, Gulf of Finland, N Baltic, E North Sea, Belgium, Britain

A. scissum Kofoid & Swezy, 1921
 = *A. scissoides* Lebour, 1925
 * sand-living.
 E North Sea, Britain, California

A. sphenoides Wulff, 1916
 = *Gymnodinium filum* Lebour, 1917
 * sand-living.
 @ *Chaetoceros eibonii*
 Kattegatt, Helgoland, E North Sea, Barents Sea, Plymouth, Woods Hole

A. corpulentum Kofoid & Swezy, 1921
 * sand-living.
 Kent, California

A. globosum Schröder, 1911
 Sussex, Adriatic

A. pelagicum Lebour, 1925
 Britain

A. vitreum Herdman, 1924
 Britain

A. herdmanae Kofoid & Swezy, 1921
 * sand-living. Is the spelling herdmani?
 E North Sea, Britain

A. lacustre von Stein, 1883
 = *A. schroderi* Schiller, 1928
 = *A. lacustriforme* Schiller, 1928
 * fresh & brackish water species.
 Belgium, Britain, Adriatic

A. ovoideum (Lemmermann, 1896) Lemmermann, 1900
 = *Proocentrum ovoideum* Lemmermann, 1896
 W Baltic, Belgium, Britain

A. ovum Herdman, 1924
 * sand-living.
 E North Sea, Britain

A. testudo Herdman, 1924
 * Sand-living. May be an encysting form of *A. herdmanae* Kofoid & Swezy.
 E North Sea, Isle of Man

A. psittacus Larsen, 1985
 * ?Sand-living.
 E North Sea

A. poecilochroum Larsen, 1985
 * ?Sand-living.
 E North Sea

A. phaeocysticola ??, 19??
 @ *Thalassiosira parthenia*
 NW Africa

Cochlodinium Schütt, 1896 (TM *C. strangulatum* (Schütt) Schütt, 1896)

?= *Schillingia* Schiller, 19??

C. achromaticum Lebour, 1925
 Plymouth

C. brandtii Wulff, 1916
 = *C. augustum* Kofoid & Swezy, 1921
 off Plymouth

C. helicoides Lebour, 1925
 = *C. helix* Schütt, 1895 (p.p.), non (Pouchet, 1887)
 W Baltic, ?Kattegatt, off Plymouth, Irish Sea, Bretagne, Mediterranean

C. helix (Pouchet, 1887) Lemmermann, 1899
 = *Gymnodinium helix* Pouchet, 1887
 Plymouth, Atlantic

C. pellucidum Lohmann, 1908
 Kieler Bucht, Kattegatt, Skagerrak

C. pulchellum Lebour, 1917
 off Plymouth

C. pupa Lebour, 1925
 ?Kattegatt, Engl. Channel, Irish Sea

C. schuettii Kofoid & Swezy, 1921
 = *Gymnodinium helix* : Schütt, 1895 (p.p.), non Pouchet, 1887
 Plymouth, W Scotland

C. vinctum Kofoid & Swezy, 1921
 Engl. Channel, off California

Gymnodinium von Stein, 1878 (TM *G. fuscum* (Ehrenberg) von Stein, 1878 - fresh water)
 = *Ceratodinium* Conrad, 19?? = *Balechina* Loeblich Jr. & Loeblich III, 19??
 = *Aureodinium* Dodge, 1967

G. abbreviatum Kofoid & Swezy, 1921
 List, Helgoland, E North Sea, Engl. Channel, California

G. achromaticum Lebour, 1917
 Plymouth

G. albulum Lindemann, 1928
 * May be a synonyme of *G. simplex* (Lohmann) Kofoid & Swezy
 S Baltic

G. arenicolus Dragesco, 1965
 = *G. variabile* : Dodge, 1982, non Herdman, 1924
 * sand-living.
 Bretagne

G. catenatum Graham, 19??
 * PSP-producing, toxic to mammals, birds & fish
 Portugal, Spain, may be expected in Scandinavia, as resting spores have been found in Öresund

G. conicum Kofoid & Swezy, 1921
 = *G. viridis* Lebour, 1917
 Plymouth

G. elongatum Hope, 1954
 Kattegatt, Oslofjord

G. endofasciculum Campbell, 1973
 Kattegatt

G. galatheanum Braarud, 19??
 * Toxic to fish. Often occurring together with *Gyrodinium aureolum*.
 Norway, North Sea area, SW Africa

G. gracile Bergh, 1881
 W Baltic, Belt Sea, N Kattegatt

G. heterostriatum Kofoid & Swezy, 1921
 = *G. spirale* var. *obtusum* Dogiel, 1906
 = *G. lucidum*
 = *G. hyalinum* Lebour, 1925
 = *G. rhomboides* Lebour, 1925
 @ *Thalassiosira parthenia*
 Baltic, Skagerrak, NE Britain, outer Hebrides, Engl. Channel, Mediterranean, NW Africa, California

G. incertum Herdman, 1924
 * sand-living.
 Isle of Man

G. lebourae Pavillard, 1921
 Kattegatt

G. lohmannii Paulsen, 1908
 = *G. roseum* Lohmann, 1908
 W Baltic, Kattegatt, Skagerrak, E North Sea

G. marinum Saville-Kent, 1880-82
 * from an infusion of hay & sea-water
 Jersey

G. micrum (Leadbeater & Dodge, 1966) Loeblich III, 1970
 = *Woloszynskia micra* Leadbeater & Dodge, 1966
 Kattegatt, Engl. Channel

G. minus Lebour, 1917
 Plymouth

G. ostensfeldii Schiller, 1928
 Kattegatt

G. pigmentosum (Dodge, 1967) Loeblich, 1970
 = *Aureodinium pigmentosum* Dodge, 1967 (TM of *Aureodinium* Dodge, 1967)
 Kattegatt, W Engl. Channel

G. pseudonoctiluca Pouchet, 1885
 Kattegatt

G. pygmaeum Lebour, 1925
 * ?possibly identical with *Gyrodinium aureolum* Hulburt.
 Kattegatt, Engl. Channel

G. rhomboides Schütt, 1895
 W Baltic, Skagerrak

G. rubrocinctum Lebour, 1925
 Kattegatt

- G. rubrum* Kofoid & Swezy, 1921
Kattegatt
- G. sanguineum* Hirasaka, 1924
= *G. splendens* Lebour, 1925
Belt Sea, Kattegatt, Oslofjord, E North Sea, S & W Britain, E & W North America
- G. simplex* (Lohmann, 19??) Kofoid & Swezy, 1921
Kattegatt
- G. variable* Herdman, 1924
non = *G. variable* : Dodge, 1982 (see *G. arenicolus*)
* sand-living. May be a species complex.
?E North Sea, Isle of Man, S & W Britain, Port Erin, Bretagne
- G. veneficum* Ballantine, 1956
* toxic to fish
Devon
- G. vestificii* Schütt, 1895
W Baltic, N Kattegatt, Skagerrak
- G. vitilago* Ballantine, 1956
Plymouth, NW Scotland
- G. placidum* Herdman, 1922
E North Sea
- G. parasitica* (Poche, 1903)
= *Ocyrrhis parasitica* Poche, 1903
@ gastrovascular cavities of *Diphyes elongata*, *Monophyes gracilis* & *Nanomia bijuga*
Mediterranean
- Gyrodinium* Kofoid & Swezy, 1921
= *Spirodinium* Schütt, 1896 = *Plectodinium* Biecheler, 1934
= *Sclerodinium* Dodge, 1981
- G. spirale* (Bergh, 1881) Kofoid & Swezy, 1921 (TM)
= *Gymnodinium spirale* Bergh, 1881
Worldwide distribution, W & S Baltic, Belt Sea, Kattegatt, E North Sea, Britain, Atlantic, Mediterranean
- G. aureolum* Hulbert, 1957
?= *Gymnodinium nagasakiense* ??, 19??
* Warm water species. Toxic to fish & invertebrates. Originally described from N America. As the European form may be another species, its name is sometimes written *G. cf. aureolum*
S Baltic, Öresund, Limfjorden, Kattegatt, Bohusl., Oslofjord, S & W Norway, E North Sea, Helgoland, Britain, Massachusetts
- G. estuariale* Hulbert, 1957
Oslofjord, S Norway, Trondheim, Massachusetts
- G. undulans* Hulbert, 1957
Kattegatt, Oslofjord, Massachusetts
- G. britannicum* Kofoid & Swezy, 1921
= *Spirodinium spirale* var. *acutum* Lebour, 1917
E North Sea, Plymouth
- G. calyptroglyphae* Lebour, 1925
= *Sclerodinium calyptroglyphae* (Lebour, 1925) Dodge, 1981 (TM of *Sclerodinium* Dodge, 1981)
Kattegatt, E North Sea, around Britain, central Atlantic
- G. cochlea* Lebour, 1925
Plymouth
- G. crassum* (Pouchet, 1885) Kofoid & Swezy, 1921
= *Gymnodinium crassum* Pouchet, 1885
Kattegatt, Engl. Channel, N Atlantic, Mediterranean
- G. cuneatum* Kofoid & Swezy, 1921
Bretagne
- G. dominans* Hulbert, 1957
Kattegatt
- G. falcatum* Kofoid & Swezy, 1921
Plymouth
- G. fissum* (Levander, 1894) Kofoid & Swezy, 1921
= *Gymnodinium fissum* Levander, 1894
= *Spirodinium fissum* (Levander, 1894) Lemmermann, 19??
all Baltic, Engl. Channel, Adriatic, California
- G. fusiforme* Kofoid & Swezy, 1921
= *Spirodinium fusus* Meunier, 1910
Öresund, N Kattegatt, Skagerrak, Arctic, Britain
- G. grave* (Meunier) Kofoid & Swezy, 1921
?Kattegatt
- G. herbaceum* Kofoid & Swezy, 1921
?Kattegatt
- G. lachryma* (Meunier, 1910) Kofoid & Swezy, 1921
= *Spirodinium lachryma* Meunier, 1910
North Sea, Arctic, Kara Sea
- G. lebouriae* Herdman, 1924
* sand-living.
Belgium, Isle of Man
- G. linguliferum* Lebour, 1925
Plymouth
- G. longum* (Lohmann, 1908) Kofoid & Swezy, 1921
= *Cochlodinium longum* Lohmann, 1908
Kieler Bucht
- G. obtusum* (Schütt, 1895) Kofoid & Swezy, 1921
= *Gymnodinium spirale* Bergh var. *obtusum* Schütt, 1895
Plymouth, Adriatic, California
- G. opinum* (Schütt, 1895) Lebour, 1925
= *Gymnodinium opinum* Schütt, 1895
Plymouth, Mediterranean, Atlantic
- G. pellucidum* (Wulff, 1916) Schiller, 1933
= *Gymnodinium pellucidum* Wulff, 1916
* Possibly the gamete stage of *Polykrikos kofoidii*, sensu Morey-Gaines & Ruse, 1980
Barents Sea
- G. pepo* (Schütt, 1895) Kofoid & Swezy, 1921
= *Gymnodinium spirale* var. *pepo* Schütt, 1895
- ?Kattegatt, Plymouth, Mediterranean, Atlantic
- G. pingue* (Schütt, 1895) Kofoid & Swezy, 1921
= *Gymnodinium spirale* var. *pinguis* Schütt, 1895
?Kattegatt, List, E North Sea, Barents Sea, Plymouth, Mediterranean, Atlantic
- G. prunus* (Wulff, 1920) Lebour, 1925
= *Spirodinium prunus* Wulff, 1920
Helgoland, E North Sea, Barents Sea, Adriatic
- G. resplendens* Hulbert, 1957
Kattegatt, Cornwall, Woods Hole
- G. striatum* (Dodge, 1981)
= *Sclerodinium striatum* Dodge, 1981
North Sea, off NW Africa
- G. uncatenatum* Hulbert, 1957
Hebrides, Woods Hole
- Katodinium* Fott, 1957
= *Massartia* Conrad, 1926, **non** Wildemann, 1897 (Zygomycetes)
- K. nieuportense* (Conrad, 1926) Loeblich Jr & Loeblich III, 1966 (TM)
= *Massartia nieuportensis* Conrad, 1926
Belgian brackish water
- K. rotundatum* (Lohmann, 1908) Fott, 1957
= *Amphidinium rotundatum* Lohmann, 1908
= *Massartia rotundata* (Lohmann, 1908) Schiller, 1933-37
= *Gymnodinium minutum* Lebour, 1925
= *Amphidinium pellucidum* Redeke, 1935
= *Amphidinium redekei* Conrad & Kufferath, 1954
All Baltic except Bothnian Sea & Bay, Kattegatt, Skagerrak, Oslofjord, E North Sea, Belgium, Tromsø, Barents Sea, White Sea, all around Britain, Adriatic
- K. asymmetricum* (Massart, 1900) Loeblich III, 1965
= *Gymnodinium asymmetricum* Massart, 1900
* in wet sands & salt marshes.
E North Sea, Belgium, S & W Britain, France
- K. fungiforme* (Anissimowa, 1926) Loeblich III, 1965
= *Gymnodinium fungiforme* Anissimowa, 1926
* in wet sands & salt marshes.
Engl. Channel, Galloway, Lewis, France
- K. glandulum* (Herdman, 1924) Loeblich III, 1965
= *Gymnodinium glandula* Herdman, 1924
* in wet sand.
E North Sea, around most of Britain
- K. glaucum* (Lebour, 1917) Loeblich III, 1965
= *Gyrodinium glaucum* (Lebour, 1917) Kofoid & Swezy, 1921
= *Spirodinium glaucum* Lebour, 1917
= *Massartia glauca* : Schiller, 1933
Kattegatt, E North Sea, Plymouth, Adriatic
- Pavillardia* Kofoid & Swezy, **in** Kofoid, 1920 (TM *P. tentaculifera* Kofoid & Swezy, **in** Kofoid, 1920 - California)
- Protodinium* Lohmann, 1908
* Genus not recognized by Taylor, 1987, but by Sournia, 1986
- Protodinium simplex* Lohmann, 1908 (TM)
= *Gymnodinium simplex* (Lohmann, 1908) Kofoid & Swezy, 1921
Gulf of Finland, S, W & N Baltic, Belt Sea - Kattegatt area, E North Sea, NE & NW England, Engl. Channel, N Atlantic
- Pselodinium* Sournia, 1972 (TM *P. vaubanii* Sournia, 1972 - e.g. Mediterranean)
* Genus not recognized by Taylor, 1987.
- Symbiodinium* Freudenthal, 1962
@ Anthozoa
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen
- S. microadriaticum* Freudenthal, 1962
= *Zooxanthella microadriatica* (Freudenthal, 1962) Loeblich & Sherley, 1979
@ Coelenterata, e.g. *Anemonia sulcata*
Britain (probably world-wide)
- Torodinium* Kofoid & Swezy, 1921
- T. teredo* (Pouchet) Kofoid & Swezy, 1921 (TM)
N Kattegatt, Skagerrak
- T. robustum* Kofoid & Swezy, 1921
Kattegatt, E North Sea, Essex, Plymouth
- Lophodinium* Lemmermann, 1910
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen
- Woloszynskia* Thompson, 1951 (TM *W. reticulata* Thompson, 1951 - fresh water)
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen
- W. danica* (Paulsen, 1907)
= *Glenodinium danicum* Paulsen, 1907
Arkona Sea, Belt Sea, Öresund, N Kattegatt, Skagerrak, E North Sea, Barents Sea, around Britain except Engl. Channel
- Polykrikaceae Kofoid & Swezy, 1921
- Polykrikos* Bütschli, 1873
- P. schwartzii* Bütschli, 1873 (TM)
= *P. auricularia* Bergh, 1881
W Baltic, Öresund, Kattegatt, Skagerrak, Oslofjord, S Norway, around all Britain
- P. kofoidii* Chatton, 1914
off Plymouth
- P. lebourae* Herdman, 1924
* on wet sandy beaches,
around most of Britain
- Pheopolykrikos* Chatton, 1933
- P. beauchampi* Chatton, 1933 (TM)
= *Polykrikos beauchampi* (Chatton, 1933) Loeblich III, 1980
Newport, S France
- Ptychodiscaceae
- Ptychodiscus* von Stein, 1883

P. noctiluca von Stein, 1883 (TM)
= *P. carinatus* Kofoid, 1907
= *P. inflatus* Pavillard, 1916
= *Diplocystis antarctica* Cleve, 1900
off N, W & SW Britain, Biscay, Mediterranean, Atlantic

Warnowiaceae Lindemann, 1928

Erythrospidinium Silva, 1960 (TM *E. agile* (Hertwig, 1884) Silva, 1960 - Mediterranean)

Greuetodinium Loeblich III, 1980 (TM *G. cylindricum* (Greuet) Loeblich III, 1968 - Mediterranean)
= *Leucopsis* Greuet, 1968?

Nematodinium Kofoid & Swezy, 1921 (TM *N. paritum* Kofoid & Swezy, 1921 - California)
= *Nematopsides* Greuet, 1973

N. armatum (Dogiel, 1906) Kofoid & Swezy, 1921
= *Pouchetia armata* Dogiel, 1906
Helgoland, E North Sea, Plymouth

N. vigilans (Marshall, 1925)
= *Nematopsides vigilans* (Marshall, 1925) Greuet, 1973 (TM of *Nematopsides* Greuet, 1973)
= *Proterothropsis vigilans* Marshall, 1925
Kattegatt, Helgoland, E North Sea, W Britain

Warnovia Lindemann, 1928
= *Pouchetia* Schütt, 1895 = *Protopsis* Kofoid & Swezy, 1921
= *Proterothropsis* Kofoid & Swezy, 1921 (TM *P. crassicaudata* Kofoid & Swezy, 1921 - California)

W. fusus (Schütt, 1895) Lindemann, 1928 (TM)
Britain

W. nigra (Pouchet, 1887)
= *Protopsis nigra* (Pouchet, 1887) Kofoid & Swezy, 1921 (TM of *Protopsis* Kofoid & Swezy, 1921)
= *Gymnodinium polyphemus* var. *nigrum* Pouchet, 1887
Concarneau

W. parva (Lohmann, 1908) Lindemann, 1928
= *Pouchetia parva* Lohmann, 1908
W Baltic

W. polyphemus (Pouchet) Schiller, 1933
= *Pouchetia polyphemus* (Pouchet) Kofoid & Swezy, 1921
Engl. Channel, Atlantic

W. rosea (Pouchet, 1897) Kofoid & Swezy, 1921
= *Gymnodinium polyphemus* var. *roseum* Pouchet, 1897
non = *Pouchetia rosea* Schütt, 1895
?Kattegatt, Britain

W. schuetti (Kofoid & Swezy, 1921) Schiller, 1933?
= *Pouchetia rosea* Schütt, 1895
Britain

W. simplex (Lebour, 1925)
= *Protopsis simplex* Lebour, 1925
Plymouth

Gymnodiniales "incertae sedis"

Bernardinum Chodat, 1924 (TM *B. bernardinense* Chodat, 1924 - fresh water)

Filodinium Cachon & Cachon, 1968 (TM *F. hovassei* Cachon & Cachon, 1968 - Mediterranean)

Herdmania Dodge, 1981

H. litoralis Dodge, 1981 (TM)
= *Gymnodinium agile* Herdman, 1922, non Kofoid & Swezy, 1921
* on sandy beaches.
E North Sea, Yorkshire, Sussex, Kent, Dorset, Isle of Man, SW Scotland

PERIDINIALES Haeckel, 1894

Amphidomataceae

Amphidoma von Stein, 1883 (TM *A. nucula* von Stein, 1883?)

A. caudata Halldal, 1953
= *Oxytoxum tonolii* Rampi, 1969
= *Oxytoxum margalefi* Rampi, 1969
Norway, off E Scotland, Galway, off S & W Britain, Portugal, Mediterranean

Ceratiaceae Kofoid, 1907

Ceratum Schrank, 1793 (TM *C. pleuroceras* Schrank, 1793 - fresh water)

C. (Archaeceratium Jørgensen, 1911?) *gravidum* Gourret, 1883
off W Britain, tropical Atlantic

C. (Ceratum) candelabrum (Ehrenberg, 1860) von Stein, 1883
= *Peridinium candelabrum* Ehrenberg, 1860
Skagerrak, off SW Britain, warm Atlantic

C. (Ceratum) furca (Ehrenberg, 1836) Claparède & Lachmann, 1858
= *Peridinium furca* Ehrenberg, 1836
Cosmopolitan, W & S Baltic, Öresund, Kattegatt, Skagerrak, Bohusl., Oslofjord, North Sea, all around Britain

C. (Ceratum) hirundinella (O.F. Müller, 1773) Schrank, 1793
= *Bursaria hirundinella* O.F. Müller, 1773
* Freshwater species, which does not tolerate the full salinity of the area.
estuaries & bays around Finland

C. (Ceratum) lineatum (Ehrenberg, 1854) Cleve, 1899
= *Peridinium lineatum* Ehrenberg, 1854
W Baltic, Öresund, Kattegatt, Skagerrak, Oslofjord, North Sea, all around Britain

C. (Ceratum) minutum Jørgensen, 1920
off N & W Britain

C. (Ceratum) pentagonum Gourret
warm Atlantic (occasionally in Gulf Stream waters)

C. (Ceratum) teres Kofoid, 19
warm Atlantic (occasionally in Gulf Stream waters)

C. (Ceratum) setaceum Jørgensen, 19
warm Atlantic (occasionally in Gulf Stream waters)

C. (Amphiceratium Vanhöffen, 1896) *fuscus* (Ehrenberg, 1834) Dujardin, 1841
= *Peridinium fuscus* Ehrenberg, 1834
fairly cosmopolitan, W, S & ?central Baltic, Öresund, Kattegatt, Bohusl., Skagerrak, Oslofjord, North Sea, all around Britain

C. (Amphiceratium Vanhöffen, 1896) *longirostrum* Gourret,
warm Atlantic (occasionally in Gulf Stream waters)

C. (Amphiceratium Vanhöffen, 1896) *inflatum* (Kofoid, 19) Jørgensen, 19
warm Atlantic (occasionally in Gulf Stream waters)

C. (Amphiceratium Vanhöffen, 1896) *extensum* (Gourret, 18) Cleve
warm Atlantic (occasionally in Gulf Stream waters)

C. (Orthoceratium Vanhöffen, 1896) *azoricum* Cleve, 1900
off W & N Britain

C. (Orthoceratium Vanhöffen, 1896) *petersii* Nielsen
off W Ireland

C. (Orthoceratium Vanhöffen, 1896) *breve* (Ostenfeld & Schmidt) Schröder
warm Atlantic

C. (Orthoceratium Vanhöffen, 1896) *compressum* Gran, 1902
off N & W Britain

C. (Orthoceratium Vanhöffen, 1896) *platycorne* von Daday, 1888
= *C. lamellicorne* Kofoid, 1908
warm Atlantic (occasionally in Gulf Stream waters)

C. (Orthoceratium Vanhöffen, 1896) *tripos* (O.F. Müller, 1777) Nitzsch, 1817
= *Cercaria tripos* O.F. Müller, 1777
Cosmopolitan, S & W Baltic, Öresund, Kattegatt, Skagerrak, Oslofjord, North Sea, all around Britain

C. (Orthoceratium Vanhöffen, 1896) *tripos* (O.F. Müller, 1777) Nitzsch, 1817 var. *subsalsum*
(Ostenfeld, 1903) Paulsen, 1907
W-S Baltic

C. (Orthoceratium Vanhöffen, 1896) *arietinum* Cleve, 1900
= *C. bucephalum* Cleve, 1897
* Why not use the older name?
W Baltic, Belt Sea, Öresund, Kattegatt, Skagerrak, Oslofjord, North Sea, off N & W Britain

C. (Orthoceratium Vanhöffen, 1896) *symmetricum* Pavillard, 19
E Atlantic

C. (Orthoceratium Vanhöffen, 1896) *giberum* Gourret
?

C. (Orthoceratium Vanhöffen, 1896) *macroceros* (Ehrenberg, 1840) Vanhöffen, 1897
= *Peridinium macroceros* Ehrenberg, 1840
Arcona Sea, W Baltic, Öresund, Kattegatt, Skagerrak, North Sea, Oslofjord, all around Britain

C. (Orthoceratium Vanhöffen, 1896) *massiliense* (Gourret) Jørgensen, 19
E. & Tropical Atlantic

C. (Orthoceratium Vanhöffen, 1896) *trichoceros* (Ehrenberg, 18) Kofoid, 19
off W Ireland, Tropical Atlantic

C. (Orthoceratium Vanhöffen, 1896) *carriense* Gourret,
off W Ireland, off Bretagne, Tropical Atlantic

C. (Orthoceratium Vanhöffen, 1896) *hexacanthum* Gourret, 1883
= *C. reticulatum* (Pouchet, 1883) Cleve, 1903
= *C. tripos* var. *reticulata* Pouchet, 1883
off N Scotland, Engl. Channel, warm Atlantic

C. (Orthoceratium Vanhöffen, 1896) *longipes* (Bailey, 1855) Gran, 1902
= *Peridinium longipes* Bailey, 1855
W Baltic, Öresund, Kattegatt, Skagerrak, Oslofjord, North Sea, around most of Britain, cool Atlantic

C. (Orthoceratium Vanhöffen, 1896) *longipes* (Bailey, 1855) Gran, 1902 var. *baltica* Ostenfeld, 1903
W Baltic

C. (Orthoceratium Vanhöffen, 1896) *longipes* (Bailey, 1855) Gran, 1902 var. *ventricosa* Ostenfeld, 1903
W Baltic (occasionally)

C. (Orthoceratium Vanhöffen, 1896) *arcticum* (Ehrenberg, 18) Cleve
N Kattegatt, Skagerrak, North Sea, N Scotland, Arctic waters

C. (Orthoceratium Vanhöffen, 1896) *horridum* (Cleve, 1897) Gran, 1902
= *C. tripos* var. *horridum* Cleve, 1897
= *C. tenue* (Ostenfeld & Schmidt) Jørgensen, 1911
= *C. intermedium* (Jørgensen) Jørgensen, 1905
= *C. buceros* Zacharias, emend. Bohm, in Schiller, 1937
= *C. batavum* Paulsen, 1908
Belt Sea, Kattegatt, Skagerrak, Oslofjord, North Sea, all around Britain

Ceratocorythaceae Lindemann, 1928

Ceratocorys von Stein, 1883 (TM *C. horrida* von Stein, 1883)

Cladopyxidaceae Poche, 1913

Cladopyxis von Stein, 1883 (TM *C. brachiolata* von Stein, 1883 (p.p.))
= *Acanthodinium* Kofoid, 19

Palaeophalacroma Schiller, 1928 (TM *P. verrucosum* Schiller, 1928)
= *Epipeperidium* Garder, 1954
= *Sinodinium* Nie, 19

P. uncinatum Schiller, 1928
= *Heterodinium detonii* Rampi, 1943
= *Epipeperidium michaelisarsi* Gaarder, 1954
N & S Atlantic, Adriatic

Crypthecodiniaceae Biecheler, 1952

Crypthecodinium Biecheler, 1938

C. cohnii (Seligo, in Cohn, 1887) Chatton, in Grassé, 1952
= *Glenodinium cohnii* Seligo, in Cohn, 1887
= *Gymnodinium fucorum* Kuster, 1908
= *Gyrodinium cohnii* (Seligo, 1887) Schiller, 1933
= *Crypthecodinium setense* Biecheler, 1938 (TM)
* littoral, amongst decaying seaweeds.
Baltic, Oslofjord, S Norway, France, Mediterranean

Hemidinium von Stein, 1878

* Genus not recognized by Taylor, 1987, but placed in this fam. by Sournia, 1986

H. nasutum von Stein, 1878
* May be the motile development stage of *Gloeoedinium montanum* Klebs, 1912
European fresh, brackish & salt lake waters, e.g. Gulf of Finland, Riga Bay

H. ochraceum Levander, 1900
* Main occurrence in rock pools.

Gulf of Finland

Goniodomataceae Lindemann, 1928 = Triadiniaceae

Alexandrium Halim, 1960 (TM *A. minutum* Halim, 1960 - E Mediterranean)
= *Protogonyaulax* Taylor, 1979

A. tamarense (Lebour, 1925) Balech & Tangen, 1985
= *Protogonyaulax tamarense* (Lebour, 1925) Taylor, 1979 (TM of *Protogonyaulax* Taylor, 1979)
= *Gonyaulax tamarense* Lebour, 1925
= *Gonyaulax excavata* (Braarud, 1945) Balech, 1971
= *Gonyaulax globosa* (Braarud, 1945) Balech, 1971
= *Gonyaulax tryvii* Parke, 1976
= *Pyrodinium phoneus* Woloszynska & Conrad, 1939
= *Gessnerium tamarense* : Loeblich & Loeblich, 1979
= *Protogonyaulax tamarense* : Taylor, 1979
* PSP-producing, toxic to mammals, birds & fish.
Øresund, Kattegatt, Limfjorden, Oslofjord, Norway, E North Sea, Faeroes, around Britain, E USA

A. ostenfeldii (Paulsen, 1904) Balech & Tangen, 1985
= *Goniodoma ostenfeldii* Paulsen, 1904
= *Heteraulacus ostenfeldii* (Paulsen, 1904) Loeblich III, 1970
= *Gessnerium ostenfeldii* (Paulsen, 1904) Loeblich III & Loeblich, 1979
? = *Pyrodinium phoneus* Woloszynska & Conrad, 1939
* PSP-producing, toxic to mammals, birds & fish.
Gdansk, Belt Sea, Øresund, N Kattegatt, Skagerrak, Limfjorden, North Sea

A. minutum Halim, 1960
* Causing mussel poisoning in France.
France, Portugal, Spain, Italy, Egypt, E North America, Australia

A. catenella ??, 19??
North America

A. fundyense ??, 19??
E Canada

Gambierdiscus Adachi & Fukuyo, 1979 (TM *G. toxicus* Adachi & Fukuyo, 1979)

Gessnerium Halim, ex Halim, 1969 (TM *G. mochiamaense* Halim, ex Halim, 1969)
* Genus considered a synonyme of *Alexandrium* Halim, by Taylor, 1987

Goniodoma von Stein, 1883 (preoccupied - Lepidoptera)
= *Triadinium* Dodge, 1981 (preoccupied - Ciliophora)
= *Heteraulacus* Diesing, 1850 (p.p.)

G. acuminatum (Ehrenberg, 1835) von Stein, 1883 (TM)
= *Peridinium acuminatum* Ehrenberg, 1835
= *Peridinium polyedricum* Pouchet, 1883
= *Goniodoma polyedricum* (Pouchet, 1883) Jörgensen, 1900
= *Heteraulacus polyedricum* (Pouchet, 1883) Drugg & Loeblich jr., 1967
Kieler Bucht, Greifswald

G. polyedricum (Pouchet, 1883) Jörgensen, 1899
= *Goniodoma acuminata* von Stein, 1883 (p.p.), non *Peridinium acuminatum* Ehrenberg, 1834, nec *Heteraulacus acuminatus* : Diesing, 1850
= *Peridinium polyedricum* Pouchet, 1883
= *Triadinium polyedricum* (Pouchet, 1883) Dodge, 1981
Britain, Mediterranean, Tropical seas

G. sphaericum Murray & Whitting, 1899
= *Triadinium sphaericum* (Murray & Whitting, 1899) Dodge, 1981
Engl. Channel, Atlantic, Caribbean

Pyrodinium Plate, 1906 (TM *P. bahamense* Plate, 1906)

Gonyaulacaceae Lindemann, 1928

Amylax Meunier, 1910

A. triacantha (Jørgensen, 1899) Sournia, 1984
= *Gonyaulax triacantha* Jørgensen, 1899
= *Amylax lata* Meunier, 1910 (TM)
all Baltic except Bothnian Bay, Øresund, Kattegatt, Skagerrak, Oslofjord, Norway, Iceland, North Sea, N & W Britain

Gonyaulax Diesing, 1866

G. spinifera (Claparède & Lachmann, 1859) Diesing, 1866 (TM)
= *Peridinium spiniferum* Claparède & Lachmann, 1859
= *Gonyaulax levanderi* (Lemmermann, 1900) Paulsen, 1907
* 3 different cyst types: *Spiniferites mirabilis* (Rossignol) Sarjeant, *Nematospheeropsis labyrinthea* (Ostenfeld) Reid & *Tecatodinium pellitum* Wall have been germinated to give motile cells of *G. spinifera* type.
all Baltic except Bothnian Sea & Bay, Øresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, most parts of the world

G. alaskensis Kofoid, 1911
North Sea, Engl. Channel, Mediterranean

G. diegensis Kofoid, 1911
E North Sea, N & W Britain, Pacific

G. digitale (Pouchet, 1883) Kofoid, 1911
= *Protoperidinium digitale* Pouchet, 1883
* Cyst: *Spiniferites bentori* Ross, Wall & Dale.
W Baltic, Kattegatt, Limfjorden, Oslofjord, E North Sea, Britain (mainly to the W & N)

G. helensis Woloszynska, 1928
* Requires taxonomic reinvestigation.
Gdansk

G. polygramma von Stein, 1883
= *G. schuetti* Lemmermann, 1899
= *Protoperidinium pyrophyrum* Pouchet, 1883
Skagerrak, Oslofjord, around Scotland, occasionally SW Britain

G. scrippsae Kofoid, 1911
* Cyst: *Spiniferites bulloideus* (Deflandre & Cookson) Sarjeant
off Yorkshire, SW Britain

G. verior Sournia, 1973
= *Amylax diacantha* Meunier, 1919
= *Gonyaulax diacantha* (Meunier, 1919) Schiller, 1937, non = *Gonyaulax diacantha* Athanassopoulos, 1931
= *Gonyaulax longispina* Lebour, 1925
all Baltic except Bothnian Sea & Bay, Øresund, S Kattegatt, Oslofjord, Belgium, North Sea, N & W Britain, Mediterranean

Peridiniella Kofoid & Michener, 1911 (TM *P. sphaeroidea* Kofoid & Michener, 1911)

P. catenata (Levander, 1894) Balech, 1977
= *Peridinium catenatum* Levander, 1894
= *Gonyaulax catenata* (Levander, 1894) Kofoid, 1911
* Cold water & low salinity species.

All Baltic, Øresund, S Kattegatt, Limfjorden, Oslofjord

Protoceratium Bergh, 1881 (TM *P. aceros* Bergh, 1881)

P. reticulatum (Claparède & Lachmann, 1859) Bitschli, 1885
= *Peridinium reticulatum* Claparède & Lachmann, 1859
= *Protoceratium aceros* Bergh, 1881
= *Gonyaulax grindleyi* Reinecke, 1967
non = *Gonyaulax reticulatum* Kofoid & Michener, 1911
* Cyst: *Operculodinium centrocarpum* (Deflandre & Cookson) Wall
all Baltic, Øresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, many parts of the world

Lingulodinium ??, 19??

L. polyedra (von Stein, 1883) Dodge, 1989
= *Gonyaulax polyedra* von Stein, 1883
* Cyst: *Lingulodinium machaerophorum* (Deflandre & Cookson) Wall
Arkona Sea, Belt Sea, Øresund, Kattegatt, Skagerrak, Oslofjord, N & W Britain (North Sea occasionally)

Shuettiella ??, 19??

Heterodiniaceae Lindemann, 1928

Dolichodinium Kofoid & Adamson, 1933 (TM *D. lineatum* (Kofoid & Michener) Kofoid & Adamson, 1933 - tropical Atlantic & Pacific)

Heterodinium Kofoid, 1906 (TM *H. scrippsae* Kofoid, 1906)

H. milneri (Murray & Whitting, 1899) Kofoid, 1906
= *Peridinium milneri* Murray & Whitting, 1899
occasionally off SW Britain, central Atlantic

H. murrayi Kofoid, 1906
= *Peridinium tripos* Murray & Whitting, 1899
off Plymouth (one specimen), tropical Atlantic

Ostreopsidaceae Lindemann, 1928

Coolia Meunier, 1919

C. monotis Meunier, 1919 (TM)
* littoral.
Belgium, Britain, Bretagne, Medirerranean

Ostreopsis Schmidt, 1901 (TM *O. siamensis* Schmidt, 1901)

Oxytoxaceae Lindemann, 1928

Amphidiniopsis Woloszynska, 1929
= *Thecadinium* Kofoid & Skogsberg, 1928

A. hirsutum (Balech, 1956) Dodge, 1982
= *Thecadinium hirsutum* Balech, 1956
* In sandy beaches
Dorset, Bretagne

A. kofoidii Woloszynska, 1929 (TM)
* In sandy beaches
Riga Bay, S Baltic, Sussex

A. petasatum (Herdman, 1922)
= *Thecadinium petasatum* (Herdman, 1922) Kofoid & Skogsberg, 1928 (TM of *Thecadinium* Kofoid & Skogsberg, 1928)
= *Amphidinium kofoidi* var. *petasatum* Herdman, 1922
* sand-living.
W Britain, Port Erin, Bretagne

A. semilunatum (Herdman, 1923)
= *Thecadinium semilunatum* (Herdman, 1923) Dodge, 1982
= *Amphidinium semilunatum* Herdman, 1923
= *Thecadinium inclinatum* Balech, 1956
* sand-living.
Gdansk, E North Sea, Isle of Man, Kent, Port Erin

A. swedmarkii (Balech, 1956) Dodge, 1982
= *Thecadinium swedmarki* Balech, 1956
* In sandy beaches
Galloway, Dorset, Isle of Man, Bretagne

Centrodinium Kofoid, 1907 (TM *C. elongatum* Kofoid, 1907)

Corythodinium Loeblich Jr. & Loeblich III, 1966 (TM *C. tessellatum* (von Stein, 1883?) Loeblich Jr. & Loeblich III, 1966)
= *Pyrgidium* von Stein, 1883
= *Murrayella* Kofoid, 1907, non Schmitz
= *Pavillardinium* de Toni, 1936

C. diploconus (von Stein, 1883) Taylor, 1976
= *Oxytoxum diploconus* von Stein, 1883
off Norway, off SW Ireland

C. michaelsarsii (Gaarder, 1954) Taylor, 1976
= *Oxytoxum michaelsarsi* Gaarder, 1956
off Iberia, N Atlantic

C. reticulatum (von Stein, 1883) Taylor, 1976
= *Pyrgidium reticulatum* von Stein, 1883
= *Oxytoxum reticulatum* : Bitschli, 1885
? = *Oxytoxum brunellii* Rampi, 1939
N Atlantic, Mediterranean

Oxytoxum von Stein, 1883

O. scolopax von Stein, 1883 (TM)
off W & SW Britain, warm Atlantic

O. laticeps Schiller, 1937
off Norway, N Atlantic, Adriatic

O. milneri Murray & Whitting, 1899
N Atlantic, Mediterranean

O. sphaeroideum von Stein, 1883
off W Britain, S Atlantic

Planodinium Saunders & Dodge, 1984
* Sand-living

Roscoffia Balech, 1956

R. capitata Balech, 1956 (TM)
* In sandy beaches
Roscoff

Sabulodinium Saunders & Dodge, 1984

- * Sand-living
- * Genus not recognized by Sournia, 1986 or Taylor, 1987

S. undulatum Saunders & Dodge, 19

- * Sand-living.
- E North Sea

Thecadiniopsis ??, 19??

Calciodinellaceae

Ensiculifera Balech, 1967

E. mexicana Balech, 1967 (TM)

= *Calciodinellum* ?, 19??
Scrippsiella mexicana (Balech, 1967) Indelicato & Loeblich, 1986
 Norway, Spain, tropical seas

Scrippsiella Balech, 1959, ex *Loeblich III* (TM *S. sweeneyae* Balech, 1959?)

- = *Calciodinellum* ?, 19??
- * Lewis, 1991 erected a number of new *Scrippsiella* species on basis of cyst morphology. Which of these may be found in north European waters?

S. trochoidea (von Stein, 1883) Loeblich III, 1976

= *Glenodinium trochoideum* von Stein, 1883
 = *Glenodinium acuminatum* Jørgensen, 1899
 = *Peridinium trochoideum* (von Stein, 1883) Lemmermann, 1910
 = *Scrippsiella faeroense* : Dickensheets & Cox, 1971, non (Paulsen, 1905) Balech & Soares, 1967
 All Baltic except Bothnian Sea & Bay, Kattegatt, Limfjorden, Skagerrak, E North Sea, N Norway, all around Britain, Atlantic

S. faeroense (Paulsen, 1905) Balech & Soares, 1967

= *Peridinium faeroense* Paulsen, 1905
 Øresund, Oslofjord, E North Sea, Norway, Faeroes, all around Britain

Peridiniidae = Peridiniaceae Ehrenberg, 1828

Boreadinium Dodge & Hermes, 1981 (TM *B. pisiforme* Dogge & Hermes, 1981)

- * Correct family?

Glenodinium Ehrenberg, 1830, emend. von Stein, 1878 (TM *G. cinctum* Ehrenberg, 1837 - fresh water)

= *Sphaerodinium*
 * Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

G. danicum Paulsen, 1907

Kattegatt

G. monensis Herdman, 1923

- * Sand-living. Should probably be moved to another genus.
- Isle of Wight, Isle of Man

G. gymnodinium Penard, 1891

- * Freshwater species, which does not tolerate the full salinity of the area.
- all Baltic except Belt Sea

G. paululum Lindemann, 1928

Gulf of Finland, Greifswald

G. warmingii Bergh, 1882

Belt Sea

G. armatum Levander, 1900

Finland, Darsser area

G. penardiforme (Lindemann) Schiller

- * The determination need confirmation.
- Gulf of Finland

Gotoius Abé, 1981

- * Correct family?

G. excentricum (Nie, 1943) Sournia, 1984

= *Dissodium excentricum* (Nie, 1943) Loeblich III, 1970
 = *Diplopsalis excentrica* Nie, 1943
 = *Gotoius mutsuensis* Abé, 1981 (TM)
 * North Sea distribution doubtful, according to Sournia, 1986
 British North Sea coast, China Sea

Cachonina Loeblich III, 1968

* Synonymized with *Heterocapsa* von Stein, 1883, by Morrill & Loeblich, 1981

C. hallii (Freudenthal & Lee, 1963) Dodge, 1982

= *Glenodinium hallii* Freudenthal & Lee, 1963
 = *Cachonina nizi* Loeblich III, 1968 (TM)
 = *Cachonina ildefina* Herman & Sweeney, 1976
 SW Kattegatt, Limfjorden, E North Sea, off German North Sea coast

Heterocapsa von Stein, 1883

H. triquetra (Ehrenberg, 1840) von Stein, 1883 (TM)

= *Glenodinium triquetrum* Ehrenberg, 1840
 = *Properidinium heterocapsa* Meunier, 1919
 = *Peridinium triquetrum* (Ehrenberg, 1840) Lebour, 1925
 All Baltic except Riga Bay & Bothnian Sea & Bay, Øresund, Kattegatt, Skagerrak, Oslofjord, S, W & N Norway, E North Sea, all Britain

H. minima Pomroy, 1989

?Kattegatt

Kansodinium ??, 19??

- * Correct family?

Kryptoperidinium Lindemann, 1924

?= *Phyllodinium* Conrad, 1926

- * Genus not recognized by Taylor, 1987
- * Correct family?

K. foliaceum (von Stein, 1883) Lindemann, 1924 (TM)

= *Glenodinium foliaceum* von Stein, 1883
 * brackish water species
 all Baltic, S Kattegatt, E North Sea, Britain, Mediterranean

Pentapharsodinium Indelicato & Loeblich, 1986

- * This genus should perhaps be moved to Calciodinellaceae

P. dalei Indelicato & Loeblich, 1986 (TM)

= *Peridinium faeroense* : Dale, 1977, non Paulsen, 1905
 = *Scrippsiella faeroense* : Dodge, 1982, p. 153, fig 18N, non Paulsen, 1905
 ?Kattegatt

Peridiniopsis Lemmermann, 1928?

- * Correct family?

P. balticum (Levander, 1894/95) Bourrelly, 19??

= *Peridinium balticum* (Levander, 1894/95) Lemmermann, 1910
 = *Glenodinium balticum* Levander, 1894/95
 all Baltic except Bothnian Sea & Bay and Belt Sea

Peridinium Ehrenberg, 1832

- = *Thomposodinium* ??, 19??
- * With no really marine species.

P. hangoei Schiller, 1937

= *P. gracile* Lindemann, 19??
 Bothnian Sea, N Baltic, Gulf of Finland

P. willei Huitfeldt-Kaas, 1900

= *P. volzii* Lemmermann, 19??
 * Freshwater species, which does not tolerate the full salinity of the area.
 Finnish bays

P. cinctum (O.F. Müller, 17??) Ehrenberg, 1832 (TM)

* Freshwater species, which does not tolerate the full salinity of the area.
 Finnish bays

P. umbonatum von Stein, 1883 var. *umbonatum* von Stein, 1883

= *P. inconspicuum* Lemmermann, 1899
 = *P. minusculum* Lindemann, 19??
 = *P. pusillum* (Penard, 19??) Lemmermann, 19??
 * Freshwater species, which does not tolerate the full salinity of the area.
 all Baltic

Proto-peridiniaceae

Diplopsalidoideae

Diplopsalis Bergh, 1882, non Sclater, 1866 (Aves - sub-genus)

D. lenticula Bergh, 1882 (TM)

= *Glenodinium lenticula* (Bergh, 1882) Schiller, 1937
 = *Dissodium lenticulum* (Bergh, 1882) Loeblich III, 1970
 Gdansk, Belt Sea, Øresund, Kattegatt, Skagerrak, Oslofjord, North Sea, all around Britain, Mediterranean

Entzia Lebour, 1922, non von Daday, 1883 (Foraminiferida)

= *Apsteinia* Abé, 19??
 * This genus is probably a synonym of *Diplopsalis* Bergh, 1882, sensu Larsen & Sournia, 1992 in Patterson & Larsen

E. acuta (Apstein, 1896) Lebour, 1922

= *Glenodinium acutum* Apstein, 1896
 = *Diplopsalis acuta* (Apstein, 1896) Entz, 1904
 = *Peridinium latum* Paulsen, 1908
 * Freshwater species, which does not tolerate the full salinity of the area.
 Bothnian Bay, Gulf of Finland, Gdansk, Arcona Sea

Diplopelta von Stein, ex Jørgensen, 1912

D. bomba von Stein, ex Jørgensen, 1912

= *Dissodium asymmetricum* (Mangin, 1911) Loeblich III, 1970
 = *Peridiniopsis asymmetrica* Mangin, 1911
 = *Diplopelta symmetrica* Pavillard, 1913
 = *Diplopsalis asymmetrica* : Drebes & Elbrächter, 1976
 Baltic, Limfjorden, E North Sea, all around Britain, Mediterranean, Atlantic

D. pusilla Balech & Akselman, 1988

Kattegatt

Lebouraia Abé, 1941 (TM *L. minuta* Abé, 1941 - Japan)

- * Genus not recognized by Taylor, 1987, but by Sournia, 1986.

Diplopsalopsis Meunier, 1910

D. orbicularis (Paulsen, 1907) Meunier, 1910 (TM)

= *Peridinium orbiculare* Paulsen, 1907
 Øresund, Limfjorden, Kattegatt, Skagerrak, North Sea, Iceland, Engl. Channel

Oblea Balech, ex Loeblich Jr. & Loeblich III, 1966

O. baculifera Balech, ex Loeblich Jr. & Loeblich III, 1966 (TM)
 Oslofjord

O. rotunda (Lebour, 1922) Balech, ex Sournia, 1973

= *Peridiniopsis rotunda* Lebour, 1922
 = *Glenodinium rotundum* (Lebour, 1922) Schiller, 1937
 = *Peridinium limnophilum* Lindemann, 19??
 * Warm water species.
 All Baltic, Kattegatt, E North Sea, all around Britain

Zygabikodinium Loeblich Jr. & Loeblich III, 1970

= *Diplopeltopsis* Pavillard, 1913
 = *Dubridinium* Reid (cyst)

Z. lenticulatum Loeblich Jr. & Loeblich III, 1970 (TM)

= *Diplopsalis lenticula* f. *minor* Paulsen, 1907
 = *Peridinium lenticulum* Mangin, 1911
 = *Glenodinium lenticula* f. *minor* (Paulsen, 1907) Pavillard, 1913
 = *Diplopeltopsis minor* (Paulsen, 1907) Pavillard, 1913
 All Baltic except Bothnian Bay, Øresund, SW Kattegatt, Limfjorden, E North Sea, around Britain

Z. pseudooblea Elbrächter, 1975

List/Sylt, E North Sea

Proto-peridinioidae

Proto-peridinium Bergh, 1881

= *Peridinium* Ehrenberg, 1831 (p.p.)
 = *Archaeoperidinium* Jørgensen, 1912
 = *Congruentidium* Abé, 19
 = *Minuscula* Lebour, 1925
 = *Properidinium* Meunier, 19

P. (Archaeoperidinium) Jørgensen, 1912) avellana (Meunier, 1919) Balech, 1974

= *Properidinium avellana* Meunier, 1919
 Bothnian Bay - N Baltic, Gulf of Finland, Belgium, Plymouth, Woods Hole

P. (Archaeoperidinium) Jørgensen, 1912) denticulatum (Gran & Braarud, 1935) Balech, 1974

= *Peridinium denticulatum* Gran & Braarud, 1935
 = *Peridinium clavus* Abe, 1936
 Kattegatt, Norway, Helgoland, E North Sea, N Scotland

P. (Archaeoperidinium) Jørgensen, 1912) excentricum (Paulsen, 1907) Balech, 1974

= *Peridinium excentricum* Paulsen, 1907
 Øresund, N Kattegatt, E North Sea, all around Britain, Mediterranean

P. (Archaeoperidinium) Jørgensen, 1912) laticeps (Grøntved & Seidenfaden, 1938)

Kattegatt, W Greenland

P. (Archaeoperidinium) Jørgensen,1912 minutum (Kofoid,1907) Loeblich III,1969
= *Peridinium minutum* Kofoid,1907
= *P. monospinum* Paulsen,1907
SW Kattegatt, Limfjorden, Skagerrak, E North Sea, all around Britain, Atlantic

P. (Archaeoperidinium) Jørgensen,1912 thorianum (Paulsen,1905) Balech,1973
= *Peridinium thorianum* (Paulsen,1905) Balech,1973
Limfjorden, Kattegatt, Skagerrak, Oslofjord, Norway, E North Sea, Faeroes, Iceland, all around Britain

P. (Minuscolum) Lebour,1925 bipes (Paulsen,1904) Balech,1974
= *Glennodinium bipes* Paulsen,1904
= *Peridinium minuscolum* Pavillard,1905
= *Minuscula bipes* (Paulsen,1904) Lebour,1925
all Baltic except Bothnian Bay, Öresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, Iceland, Greenland, Mediterranean

P. (Protooperidinium) depressum (Bailey,1855) Balech,1974
= *Peridinium depressum* Bailey,1855
Arkona Sea, W Baltic, Belt Sea, Öresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, widespread fr. Arctic to Antarctic

P. (Protooperidinium) marielebouriae (Paulsen,1930) Balech,1974
= *Peridinium marielebouriae* Paulsen,1930
= *Peridinium obtusum* : (Karsten) Lebour,1925, non *P. obtusum* (Karsten) Faure-Fremiet,1980, non *P. divergens obtusum* Karsten,1906
Limfjorden, Oslofjord, E North Sea, all around Britain

P. (Protooperidinium) oceanicum (Vanhöffen,1897) Balech,1974
= *Peridinium oceanicum* Vanhöffen,1897
Belt Sea, N Kattegatt, Skagerrak, Oslofjord, off N, NW & SW Britain, off Iceland - Labrador, Mediterranean

P. (Protooperidinium) oblongum (Aurivillius,1898) Parke & Dodge, in Parke & Dixon,1976
= *P. divergens* Ehrenberg, var. *oblongum* Aurivillius,1898
Öresund, Kattegatt, Skagerrak, E North Sea, all around Britain

P. (Protooperidinium) saltans (Meunier,1910) Balech,1973
= *Peridinium saltans* Meunier,1910
North Sea, Barents Sea, off N & W Britain, Atlantic

P. (Protooperidinium) claudicans (Paulsen,1907) Balech,1974
= *Peridinium claudicans* Paulsen,1907
off S Fyn, Öresund, Limfjorden, Skagerrak, E North Sea, all around Britain, coastal waters of Europe & N America

P. (Protooperidinium) punctulatum (Paulsen,1907) Balech,1974
= *Peridinium punctulatum* Paulsen,1907
= *Peridinium subnerme* Paulsen, var. *punctulatum* (Paulsen) : Schiller,1937
Öresund, N Kattegatt, Skagerrak, S & E North Sea, all around Britain

P. (Protooperidinium) achromaticum (Levander,1902) Balech,1974
= *Peridinium achromaticum* Levander,1902
all Baltic, E North Sea, all around Britain

P. (Protooperidinium) conicoides (Paulsen,1905) Balech,1973
= *Peridinium conicoides* Paulsen,1905
W Baltic, Öresund, Limfjorden, Kattegatt, Skagerrak, Oslofjord, Norway, E North Sea, Iceland, Greenland, Arctic, all around Britain

P. (Protooperidinium) conicum (Gran,1900) Balech,1974
= *Peridinium divergens* var. *conicum* Gran,1900
Belt Sea, Öresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, Mediterranean

P. (Protooperidinium) leonis (Pavillard,1916) Balech,1974
= *Peridinium leonis* Pavillard,1916
off S Fyn, E North Sea, all around Britain, Atlantic, Mediterranean

P. (Protooperidinium) obtusum (Karsten,1906) Parke & Dodge, in Parke & Dixon,1976
= *Peridinium divergens obtusum* Karsten,1906, non *P. obtusum* Faure-Fremiet,1908
E North Sea, Plymouth

P. (Protooperidinium) pentagonum (Gran,1902) Balech,1974
= *Peridinium pentagonum* Gran,1902
= *Peridinium sinuosum* Lemmermann,1905
Kieler Bucht, Öresund, Limfjorden, Kattegatt, Skagerrak, E North Sea, all around Britain

P. (Protooperidinium) subnerme (Paulsen,1904) Loeblich III,1969
= *Peridinium subnermis* Paulsen,1904
N Kattegatt, Skagerrak, Oslofjord, E North Sea, Barents Sea, Kara Sea, Iceland, Greenland, all around Britain

P. (Protooperidinium) brevipes (Paulsen,1908) Balech,1974
= *Peridinium brevipes* Paulsen,1908
= *Peridinium varicans* Paulsen,1911
= *Peridinium incurvum* Lindemann,1924
all Baltic except Bothnian Bay, Öresund, Kattegatt, Skagerrak, Oslofjord, off Norway, E North Sea, all around Britain

P. (Protooperidinium) cerasus (Paulsen,1907) Balech,1973
= *Peridinium cerasus* Paulsen,1907
= *Peridinium quarnerense* Schiller,1937 (p.p.)
Öresund, Limfjorden, N Kattegatt, Skagerrak, all around Britain

P. (Protooperidinium) curtipes (Jørgensen,1912) Balech,1974
= *Peridinium curtipes* Jørgensen,1912
= *Peridinium crassipes* Paulsen,1907 (p.p.), non : Paulsen,1930, neg : Schiller,1937
Kattegatt, all around Britain

P. (Protooperidinium) crassipes (Kofoid) Balech,1974
= *Peridinium crassipes* Kofoid,19??
Öresund, Kattegatt, Limfjorden, Skagerrak, Oslofjord

P. (Protooperidinium) decipiens (Jørgensen,1899) Parke & Dodge, in Perke & Dixon,1976
= *Peridinium decipiens* Jørgensen,1899
W Belt Sea, Öresund, Skagerrak, W Norway, Arctic Seas, Britain

P. (Protooperidinium) divergens (Ehrenberg,1840) Balech,1974
= *Peridinium divergens* Ehrenberg,1840
Arkona Sea, W & ?S Baltic, Öresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, N Scotland, SW England

P. (Protooperidinium) globulum (von Stein,1883) Balech,1974
= *Peridinium globulum* von Stein,1883
North Sea, Engl. Channel, Atlantic, Mediterranean

P. (Protooperidinium) ovatum Pouchet,1883
= *Peridinium ovatum* (Pouchet,1883) Schütt,1???
W Belt Sea, Öresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, Atlantic, Mediterranean

P. (Protooperidinium) subcurvipes (Lebour,1923) Balech,1974
= *Peridinium subcurvipes* Lebour,1923
off NE England, Engl. Channel, Spitzbergen

P. (Protooperidinium) granii (Ostenfeld,1906) Balech,1974

= *Peridinium granii* Ostenfeld,1906
= *Peridinium finlandicum* Paulsen,1907
= *Peridinium divergens* var. *levanderi* Lemmermann,19??
* Cold water species.
all Baltic, Öresund, Kattegatt, Skagerrak, Oslofjord, North Sea, Engl. Channel, W Britain, off Iceland

P. (Protooperidinium) mite (Pavillard,1916) Balech,1974
= *Peridinium mite* Pavillard,1916
all around Britain, Atlantic, Mediterranean

P. (Protooperidinium) pyriforme (Paulsen,1905) Balech,1974
= *Peridinium steinii* var. *pyriformis* Paulsen,1905
Öresund, S Kattegatt, Limfjorden, Skagerrak, Oslofjord, Norway, E Greenland, all around Britain

P. (Protooperidinium) pyriforme (Paulsen,1905) Balech,1974 ssp. *breve* (Paulsen,1905) Balech,1971
W & ?S Baltic, Öresund

P. (Protooperidinium) steinii (Jørgensen,1900) Balech,1974
= *Peridinium steinii* Jørgensen,1900
= *Peridinium michaelis* von Stein,1883 (p.p.)
Arkona Sea, W Baltic, Öresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, Atlantic

P. (Protooperidinium) curvipes (Ostenfeld,1906) Balech,1974
= *Peridinium curvipes* Ostenfeld,1906
Gdansk, W Baltic, Limfjorden, Skagerrak, E North Sea, all around Britain, Greenland, Florida

P. (Protooperidinium) diabolium (Cleve,1900) Balech,1974
= *Peridinium diabolium* Cleve,1900
Oslofjord, all around Britain, Atlantic, Mediterranean

P. (Protooperidinium) islandicum (Paulsen,1904) Balech,1973
= *Peridinium islandicum* Paulsen,1904
Skagerrak, off N Britain, Iceland, Spitzbergen, Greenland

P. (Protooperidinium) pallidum (Ostenfeld,1899) Balech,1973
= *Peridinium pallidum* Ostenfeld,1899
W Belt Sea, Öresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, all around Britain, Arctic Seas, Atlantic, Mediterranean

P. (Protooperidinium) pellucidum Bergh,1881 (TM)
= *Peridinium pellucidum* (Bergh,1881) Schütt,1???
all Baltic, Öresund, Kattegatt, Skagerrak, North Sea, Oslofjord, all around Britain, off Greenland, Atlantic, Mediterranean

P. (Protooperidinium) thulesense (Balech,1958) Balech,1973
= *Peridinium thulesense* Balech,1958
= *Peridinium conicum* f. *islandica* Braarud,1935
= *Peridinium sympholis* Hermosilla & Balech,1969
off NE Scotland, Engl. Channel, off Greenland

P. (Protooperidinium) deficiens (Meunier,1919) Balech,1974
= *Peridinium deficiens* Meunier,1919
W & S Baltic, E North Sea

P. (Protooperidinium) longispinum (Kofoid,1907) Balech,1974
= *Peridinium longispinum* Kofoid,1907
= *Peridinium michaelis* Ehrenberg,1840 (p.p.)
Greifswald, W Baltic, Belt Sea

P. (Protooperidinium) quarnerense (Schröder)
= *Peridinium globulum* var. *quarnerense* Schröder
Oslofjord, E North Sea

P. (Protooperidinium) brochii (Kofoid & Swezy,19??) Balech,19??
?Kattegatt

P. (Protooperidinium) sp. A : Thomsen & al., 1992
= *Peridinium paulsenii* Abé,1981, non Pavillard,1905
Kattegatt

P. (Protooperidinium) sp. B : Thomsen & al., 1992
= *P. pallidum* : Dodge,1985, p. 61, non (Ostenfeld,1899)
Kattegatt

P. (Protooperidinium) sp. C : Thomsen & al., 1992
Kattegatt

P. bispinum (Schiller,1???) Balech,19??
N Scotland

P. tuba (Schiller,1???) Balech,19??
N Scotland

P. roseum (Paulsen) Balech,1974?
= *Peridinium roseum* Paulsen,1???
Öresund, N Kattegatt, Skagerrak

Chalubinskia ??,1???
* Genus not recognized by Sournia,1986.
* Not mentioned by Larsen & Sournia,1992, in Patterson & Larsen
* Correct family?

Podolampadaceae Lindemann,1928

Blepharocysta Ehrenberg,1873

B. splendormaris (Ehrenberg,1860) Ehrenberg,1873 (TM)
= *Peridinium splendor-maris* Ehrenberg,1860
off Plymouth, warm Atlantic

B. paulsenii Schiller,1937
off SW Britain, Atlantic, Mediterranean

Podolampas von Stein,1883 (TM *P. bipes* von Stein,1883?)
= *Parrocelia* Gouret

P. palmipes von Stein,1883
Skagerrak, occasionally N Atlantic, warm Atlantic

Dissodium Abe,1941 (TM *D. parvum* Abe,1941)
* Genus not recognized by Sournia,1986, but by Taylor,1987.
* Not mentioned by Larsen & Sournia,1992, in Patterson & Larsen

D. assymetricum (Mangin,1???) Loeblich,19??
N Scotland

Thoracosphaeraceae

* Not mentioned by Larsen & Sournia,1992, in Patterson & Larsen

Thoracosphaera ??,1???
* Not mentioned by Larsen & Sournia,1992, in Patterson & Larsen

Prophacaceae Lindemann,1928

Fragilidium Balech, ex Loeblich III, 1965 (TM *F. heterolobum* Balech, ex Loeblich III, 1965)
= *Helgolandinium* von Stosch, 1969

F. subglobosum (von Stosch, 1969) Loeblich, 19??
= *Helgolandinium subglobosum* von Stosch, 1969 (TM of *Helgolandinium* von Stosch, 1969)
Limfjorden, Kattegatt, E North Sea, around Britain

Pyrophacus von Stein, 1883
= *Tuberculodinium* Wall (cyst)

P. horologicum von Stein, 1883 (TM)
Gulf of Finland, Belt Sea, Kattegatt, Skagerrak, Oslofjord, E North Sea, around Britain

Peridiniales "incertae sedis"

Acanthogonyaulax (Kofoid) Graham, 1942 (TM *A. spinifera* (Murray & Whitting) Graham, 1942 - tropical seas)
* Genus not recognized by Taylor, 1987, but by Sournia, 1986.

Adenoides Balech, 1956
* Genus not recognized by Taylor, 1987, but by Sournia, 1986.

A. eludens (Herdman, 1922) Balech, 1956 (TM)
= *Amphidinium eludens* Herdman, 1922

* Sand dweller.
Isle of Man, Norfolk, Bretagne, River Conway estuary

A. kofoidi (Herdman, 1922) Dodge, 1982
= *Amphidinium kofoidi* Herdman, 1922
= *Phalacroma kofoidi* : Herdman, 1924

non = *Amphidinium kofoidi* var. *petasatum* Herdman, 1924
* Sand dweller.
Isle of Man

Ceratoperidinium Margalef, ex Loeblich III, 1980 (TM *C. yeye* Margalef, ex Loeblich III, 1980 - Mediterranean)

* Genus not recognized by Taylor, 1987, but by Sournia, 1986.

Dinosphaera ??, 1???
* Genus not recognized by Sournia, 1986.

Glenodiniopsis ??, 1???

Halophilodinium Loeblich Jr. & Loeblich III, 1968

Hollandella Cachon, 1964
* Correct suborder? Which family?
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

H. mycetoides ? Cachon, 1964?
@ the radiolarian *Spongosphaera* sp.
Mediterranean

H. lobata ? Cachon, 1964?
@ the radiolarian *Plegmosphaera coronata*
Mediterranean

H. piriformis ? Cachon, 1964?
@ the radiolarian *Actinosphaera* sp.
Mediterranean

Micracanthodinium Deflandre, 1937

M. setiferum (Lohmann, 1902) Deflandre, 1937 (TM)
= *Cladopyxis setifera* Lohmann, 1902
S Baltic, Belt Sea, N Atlantic, Adriatic

M. claytonii (Holmes, 1956) Dodge, 1982
= *Cladopyxis claytonii* Holmes, 1956
Arkona Sea, Oslofjord, off Norway, Labrador

Microceratium Sournia, 1972 (TM *M. orstomii* Sournia, 1972 - Mozambique Canal)
* Genus not recognized by Taylor, 1987, but by Sournia, 1986.

Spiraulax Kofoid, 1911 (TM *S. jollifei* (Murray & Whitting) Kofoid, 1911 - tropical seas)
= *Spiraulaxina* Loeblich III, 1970

KOLKWITZIELLALES
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Kolkwitziaceae
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Berghiella Kofoid & Michener, 1911
* Regarded as a doubtful dinoflagellate by Sournia, 1986.
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Kolkwitzella ??, 1???
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen
?

BLASTODINIALES Schiller, 1937
* Not mentioned by Larsen & Sournia, 1992, in Patterson & Larsen

Apodiniaceae = Apodiniidae

Apodinium Chatton, 1907 (TM *A. mycetoides* Chatton, 1907 - on gill interstitia of *Fritillaria pellucida* - Mediterranean)
= *Parapodinium* Chatton, 1920
@ Appendicularians
* one other sp., *A. rhizophorum* Chatton, 1912 - on the tail of *Oikopleura cophocerca* -, is also known from the Mediterranean

A. chattoni Cachon & Cachon, 19??
= *Parapodinium chattoni* & *Oikopleura fusiformis*
@ *Appendicularia sicula*
Mediterranean

A. rhizophorum Cachon & Cachon, 19??
= *Parapodinium catenaria*
@ *Appendicularia sicula* & *Fritillaria cophocerca*
?

A. sp.
= *Parapodinium stylipes* Chatton, 1920? (TM of *Parapodinium* Chatton, 1920)
@ *Oikopleura formica* & ?*O. dioica*
S France

Blastodiniaceae
= Blastodiniidae

Blastodinium Chatton, 1906

* in alimentary channel of copepods

B. hyalinum Chatton, 1911
= *B. contortum hyalinum* Chatton, 1911
@ *Paracalanus parvus* Claus, *Centropages typicus* Krøyer, *Calanus finmarchicus* (Gunnerus), *Acartia clausi* Giesbrecht, *Pseudocalanus elongatus* & *Clausocalanus* sp.
* the only species without colour
Kattegatt, North Sea, Roscoff, Mediterranean

B. spinulosum Chatton, 1908
@ *Paracalanus* spp., *Clausocalanus* spp., *Acrocalanus gracilis* Giesbrecht
S France

B. crassum Chatton, 1908
@ *Paracalanus parvus* Claus & *Clausocalanus* spp.
S France

B. pruvoti Chatton, 1906
@ *Paracalanus parvus* Claus, *Clausocalanus* spp., *Nannocalanus minor* (Claus)
S France

B. contortum Chatton, 1908
@ *Paracalanus parvus* Claus, *Acartia clausi* Giesbrecht & *Clausocalanus* spp., etc.
S France

B. oviforme Chatton, 1912
@ *Oithona* spp., *Corycaeus* spp.
?

B. inornatum Chatton, 1920
@ *Clausocalanus arcuicornis* (Dana), *C. furcatus* (Brady), *Paracalanus parvus* (Claus), *P. aculeatus* Giesbrecht
?

B. mangini Chatton, 1908
@ *Corycella gibbulus* Giesbrecht, *C. rostrata* Farran, *Oncaea conifera* Giesbrecht, *O. media* Giesbrecht, *O. venusta* Philippi
?

B. mangini oncae Chatton, 1912
@ *Oncaea* spp. & *Corycella rostrata* Claus
?

B. navicula Chatton, 1912
@ *Corycella venustus* Dana
?

B. elongatum Chatton, 1912
@ *Scolecithrix bradyi* Giesbrecht
?

B. apsteini Sewell, 1951
@ *Clausocalanus arcuicornis* (Dana), *C. furcatus* (Brady), *Paracalanus aculeatus* Giesbrecht
?

B. chattoni Sewell, 1951
@ *Clausocalanus arcuicornis* (Dana), *C. furcatus* (Brady), *Nannocalanus minor* (Claus), *Paracalanus aculeatus* Giesbrecht, *P. denudatus* Sewell, *P. parvus* (Claus), *Cosmocalanus darwini* (Lubbock)
?

Diplomorphidae
= Cachonellaceae
= Cachonellidae

Actinodinium Chatton & Hovasse, 1938

A. apsteinii Chatton & Hovasse, 1938 (TM)
@ *Acartia clausi* Giesbrecht
Roscoff

Cachonella ??, 19??
= *Diplomorpha* Rose & Cachon, 1951, **non** Ancy, 1884 (Mollusca)

C. paradoxa (Rose & Cachon, 1951)
= *Diplomorpha paradoxa* Rose & Cachon, 1951 (TM of *Diplomorpha* Rose & Cachon, 1951)
@ *Abylopsis tetragona*, *Forskalia contorta*, *Chelophyes* sp. & other Siphonophores
W Mediterranean

Haplozoaceae = Haplozooidae

Haplozoon Dogiel, 1907
@ Polychaeta

H. armatum Dogiel, 1907 (TM - Murmansk)
@ *Travisia forbesi*
Bergen, Murmansk

H. lineare Dogiel, 1907
@ *Nicomache humbricalis* (O. Fabricius)
Murmansk

H. delicatum Dogiel, 1910
@ a maldanid species
Trondheim

H. tuberculatum Dogiel & Mikelsson, 1923
@ a maldanid species
Trondheim

H. ariciae Dogiel, 1910
@ *Phylo norvegica* (M. Sars)
Trondheim

H. villosum Dogiel & Mikelsson, 1923
@ *Polyphysia crassa*
Trondheim

H. obscurum Dogiel, 1910
@ *Terebellides stroemi*
Trondheim

H. macrostylum Dogiel, 1910
@ a maldanid species
Trondheim

H. dogieli Shumway, 1924
@ *Leichone clypeata*
Roscoff

H. clymenellae (Calkins, 1915)
@ *Clymenella torquata*
Woods Hole

H. clymenidis Dogiel & Mikelsson, 1923

@ *Euclymene palermitana*
Gulf of Naples

H. inermis Cachon, 1964
@ *Appendicularia sicula*
?

Oodiniaceae Chatton, 1920
= **Oodiniidae**

Oodinium Chatton, 1912
= *Salpicola* Bargoni, 1894
@ ectoparasites on Appendicularians, Salps, Annelids & Molluscs

O. pouchetii (Lemmermann, 1899) Chatton, 1912 (TM)
= *Gymnodinium pulvisculum* Pouchet, 1883
= *Salpicola amyloacea* Bargoni, 1894
@ e.g. *Oikopleura dioica* Fol & *Salpa democratica* Forskål
Concarneau, Banyuls-sur-mer

O. fritillariae Chatton, 1912
@ *Fritillaria pellucida* & ? *Fritillaria borealis*
? Davis Strait, Mediterranean

O. acanthometrae ? Cachon, 1964?
@ *Acanthometra pellucida*
Mediterranean

Amyloodinium Brown & Hovasse, 1946
@ fish

A. ocellatum (Brown, 1931)
= *Oodinium ocellatum* Brown, 1931 (TM)
@ causing "velvet disease" in various fish species
Virginia, Eilat, New York, Bermudas, West Indies, Danmarks Akvarium

Crepidodinium Lom & Lawler, 1981
= *Oodinium* : Auctt. (p.p.)
@ fish

C. cyprinodontum (Lawler, 1967)
= *Oodinium cyprinodontum* Lawler, 1967 (TM)
@ different cyprinodontid fish species
Virginia

Caryotoma ??, 19??

C. bernardi ??
@ endoplasm of radiolarian *Thalassicolla spumida*
?

Protoodiniaceae
= **Protoodiniidae**

Crepidodinium

Piscinodinium
* with 2 known species from fresh water fishes.

Protoodinium Hovasse, 1935

P. chattoni Hovasse, 1935 (TM)
@ external parasite of *Lizzia blondina*; occasionally on *Sarsia* sp. & *Podocoryne* spp.
Mediterranean, Bosphorus

P. hovassei Cachon & Cachon, 1964?
@ Siphonophores
? Mediterranean

CHYTRIODINIALES

Chytridiaceae
= **Chytridiidae**

Chytridium Chatton, 1912
@ eggs of pelagic copepods, euphausiids & shrimps
* 3 species known 1952 from not determined hosts

C. roseum (Dogiel, 1906)
@ *Meganocythanes norvegica* (Sars)
?

C. affine (Dogiel, 1906)
@ copepods
?

C. parasiticum (Dogiel, 1906)
@ ?penacids
?

Syltodinium Drebes, 1989

S. listii Drebes, 1989
@ eggs of *Temora*, *Acartia*, *Pseudocalanus* & *Synchaeta*
North Sea

Dispodinium Klebs, in Pascher, 1916, emend. Elbrächter & Drebes, 1978 (TM). *Dispodinium* (Schütt) Klebs, in Pascher, 1916
= *Diplodinium* Klebs, 1912, non Fiorentini, 1890 (Protozoista)
= *Sporodinium* Gönner, 1936 (? *Sporodinium* according to Neave)
@ Copepod eggs

D. pseudolunula Swift, ex Elbrächter & Drebes, 1978
= *Pyrocystis lunula* : Auctt., non (Schütt, 1895)
@ eggs of *Temora longicornis* (Müller), *Acartia* spp., rotifer cysts
Gdansk, W Baltic, Öresund, N Kattegatt, Skagerrak, Oslofjord, E North Sea

D. pseudocalani (Gonnert, 1936) Drebes, ex Drebes & Elbrächter, 1978
= *Sporodinium pseudocalani* Gonnert, 1936
@ eggs of *Pseudocalanus elongatus* (Boeck)
Helgoland, N Scotland

Myxodinium Cachon, Cachon & Bouquahheux, 1969

M. pipiens Cachon, Cachon & Bouquahheux, 1969 (TM)
@ *Halosphaera viridis* & *Halosphaera minor*
Mediterranean

Sporodinium

Schizochytridium Elbrächter, 1988

S. calani Elbrächter, 1988 (TM)

@ eggs of *Calanus glacialis* Jashnov & *C. hyperboreus* Krøyer
Greenland Sea

PARADINIOPHYCIDAE

* Systematic placement rather uncertain.

Paradinium Chatton, 1910
* genus incertae sedis. Systematic placement very tentative

P. poucheti Chatton, 1910
@ hemocoel of *Acartia* spp. & ? *Oithona plumifera*
? Kattegatt, Roscoff, Concarneau, Banyuls-sur-mer

P. caulleryi Chatton & Soyer, 1973
@ *Oncaea media* Giesbrecht
?

P. mesnili Chatton & Soyer, 1973
@ *Oncaea conferta* Giesbrecht
?

ELLOBIOPHYCIDAE

THALASSOMYCETALES

Thalassomycetaceae
= **Ellobiosididae** Coutière, 1911

Ellobiocystis Coutière, 1911

E. catenatus Coutière, 1911
@ epibionts on 3rd maxillipeds of *Pasiphaea multidentata* Esmark & on *Acanthephyra purpurea* Milne-Edwards
Oslofjord, Faeroes, S & W Ireland, NE Atlantic

E. caridarum Coutière, 1911
@ *Acanthephyra purpurea* Milne-Edwards, *A. eximia* Smith, *Antarctomysis maxima* Hansen, *Pasiphaea pacifica* Rathbun, *P. semispinosa* Holthuis, *Sergestes* spp., *Systemaspis debilis* (Milne-Edwards) (and @ mouthparts of copepods (*Pseudocalanus armatus* (Boeck), *Gaidius tenuispinus* G.O. Sars, *Gaidius brevispinus* G.O. Sars, *Gaetanus kruppii* Giesbrecht, *Gaetanus pileatus* Farran, *Gaetanus latifrons* G.O. Sars & *Pseudochirella notucantha* (G.O. Sars)) * Should probably refer to another species).
NE Atlantic

E. tenuis Coutière, 1911
@ *Pasiphaea sivado* (Risso)
?

E. tuberosus Coutière, 1911
@ *Acanthephyra purpurea* Milne-Edwards
?

Ellobiopsis Caullery, 1910

E. chattoni Caullery, 1910 (TM)
@ *Calanus helgolandicus* Claus, *Calanus finmarchicus* (Gunnerus), *Pseudocalanus minutus* (Krøyer) & *Acartia clausii* Giesbrecht, *Clausocalanus arcuicornis* (Dana), *Ctenocalanus vanus* Giesbrecht, *Euchaeta marina* (Prestandrea), *E. wolffendani* Scott, *Metridia longa* (Lubbock), *Pleuromamma gracilis* (Claus), *P. borealis* (Dahl), *Pseudocalanus elongatus* (Boeck), *Cosmocalanus vulgaris* (Sewell), zoaea of *Portunus pelagicus* (L.) Baltic, Kattegatt, Bohusl., N North Sea, Clyde Sea area, Barents Sea

E. elongata Steuer, 1932
@ *Clausocalanus arcuicornis* (Dana), *Ctenocalanus vanus* (Giesbrecht), *Cosmocalanus darvini*, *Euchaeta marina* (Prestandrea), *Gaetanus antarcticus* Wolfenden, *G. curvicornis* Sars, postlarvae of *Penaeopsis retacuta* (Bate)
?

E. fagei Hovasse, 1951
@ pelagic copepods, *Clausocalanus arcuicornis* (Dana)
?

Thalassomyces Niezabitowski, 1913
= *Staphylocystis* Coutière, 1911, non Villot, 1877 (Cestoda)
= *Ammalocystis* Fage, 1936

T. fagei (Boschma, 1948)
= *Staphylocystis racemosus* : Macdonald, 1927, non Coutière, 1911
= *Ammalocystis fagei* Boschma, 1948
@ in centre of dorsal surface of carapace of Euphausiacea (e.g. *Meganocythanes norvegica* (M. Sars), *Thysanoessa raschii* (M. Sars), *Thysanoessa inermis* (Krøyer), *Euphausia* spp. and several other genera)
N North Sea, Clyde Sea area, Faeroe - Iceland area, NE Atlantic

T. capillosus (Fage, 1938)
= *Ammalocystis capillosus* Fage, 1938
@ on rostrum of *Pasiphaea tarda* Krøyer, *P. multidentata* Esmark, *P. acutifrons* Bate & *P. pacifica* Rathbun
Skagerrak, Faeroe - Shetland area, S & W Ireland

T. racemosus (Coutière, 1911)
= *Staphylocystis racemosus* Coutière, 1911
= *Thalassomyces batei* Niezabitowski, 1913
@ on ventral surface of proximal half of abdomen of Caridea (*Pasiphaea tarda* Krøyer, *P. cristata* Bate, *Hymenodora glacialis* Buchholz, *Acanthephyra pelagica* (Risso), *A. sexspinosa* Kemp)
Faeroe - Iceland area, NE Atlantic, Mediterranean

T. fasciatus (Fage, 1936)
@ *Gnathopausia* spp., e.g. *G. zoea* Willemoes-Suhm
?

T. albatrossi Wing, 1975
@ *Silomysis major* Tattersall
?

T. boschmai (Nouvel, 1954)
@ *Acanthomysis macropsis* (Tattersall), *A. nephrophthalma* Banner, *A. pseudomacropsis* (Tattersall), *Gastrosaccus lobatus* Nouvel, *Leptomysis gracilis* (Sars), *Metyrtrops robusta* Smith, *Neomysis kadiakensis* Ortmann
?

T. marsupii Kane, 1964
@ in amphipods: *Cyphocaris challengeri* Stebbing, *Cystisoma* sp., *Eusirus leptocarpus* Sars, *E. longipes* Boeck, *Parathemisto abyssorum* (Boeck), *P. gaudichaudii* (Guerin), *P. gracilipes* Norman, *P. libellula* (Lichtenstein), *P. pacifica* Stebbing, *Rhachotropis aculeata* (Lepechin), *R. helleri* Boeck, *R. macropsis* Sars
?

T. niezabitowski Hoenigman, 1960
@ *Leptomysis megalops* Zimmer
?

T. noveli (Hoenigman, 1954)
@ *Anchialina agilis* (Sars)
?

T. spieczakowii Niezabitowski, 1913
* May possibly be a synonym of *T. racemosus* (Coutière, 1911)
@ *P. sivado* (Risso)
?

T. umbellatus (Boschma,1949)
@ Oplophoridae: *Oplophorus gracilirostris* Milne-Edwards, *O. grimaldii* Coutière, *O. novaezeelandiae* de Man
?

T. californiensis Collard,1966
@ *Pasiphaea emarginata* Rathbun
California

T. sp.
@ *Siriella clausi* Sars
?

Parallobiopsis Collin,1913
@ pelagic Crustacea

P. coutieri Collin,1913 (TM)
@ *Nebalia bipes* Fabricius
?

Rhizellobiopsis Hovasse,1926

R. eupraxiae (Zachs,1923)
@ on parapodes of *Nephtys ciliata*
Black Sea

SYNDINIOPHYCIDAE

COCCIDIINALES

Amoebophryaceae = Amoebophryidae

Amoebophrya Koeppen,1894
= *Hyalosaccus* Koeppen,1903
@ Dinoflagellata, apostome & tintinnid ciliates, Acantharia & Radiolaria (*Sticholonche*)

A. acanthometrae ?Koeppen,1894?
@ several species of Acantharian family Acanthometridae
Mediterranean

A. sticholonchae ?Koeppen,1894?
@ Colonial radiolarian *Sticholonche zanklea* Hertwig,1877
?

A. ceratii (Koeppen,1903)
= *Hyalosaccus ceratii* Koeppen,1903
@ Dinoflagellata e.g. *Ceratium* spp. & *Polykrikos schwartzii* & other *Amoebophrya* species, i.e. *A. acanthometrae*
Helgoland, Mediterranean

A. grassei ?Cachon,1964?
@ cytoplasm of *Oodinium poucheti* from *Oikopleura dioica*
Mediterranean

A. rosei ?Cachon,1964?
@ Foettingeridae from the Siphonophore *Abylopsis tetragona*
Mediterranean

A. tintinni ?Cachon,1964?
@ *Xystonella lohmanni*
Mediterranean

Cocciidiaceae

Cocciadinium Chatton & Biecheler,1934
@ Nuclear & cytoplasm parasites of other dinoflagellates

C. duboscqui Chatton & Biecheler,1934 (TM - Sète)
@ *Peridinium balticum* Lemmermann
French Mediterranean

C. legeri Chatton & Biecheler,1934?
@ *Peridinium sociale* (Henneegy)
French Mediterranean

C. punctatum Chatton & Biecheler,1934?
@ *Ostreopsis monotis* (Meunier)
French Mediterranean

C. mesnili Chatton & Biecheler,1934?
@ *Cryptoperidinium foliaceum* von Stein
French Mediterranean

Duboscquellaceae = Duboscquellidae

Duboscquella Chatton,1920
@ Especially marine tintinnids, but also Dinoflagellata (e.g. *Noctiluca* & *Leptodiscus*)

D. tintinnicola (Lohmann,1908)
@ tintinnids, e.g. *Cyrtarocylis*, *Tintinnopsis* & *Favella*
Kieler Bucht, Bergen, Mediterranean

D. anisospora Grassé,19??
@ *Cyrtarocylis*
?

D. aspida Cachon,1964?
@ *Favella ehrenbergi*, *Coxiella laciniosa*, *Codonella campanula* & *Tintinnus fraknoi*
Mediterranean

D. cnemata Cachon,1964?
@ *Favella ehrenbergi*
Mediterranean

D. melo Cachon,1964?
@ perinuclear cytoplasm of *Noctiluca scintillans*
Mediterranean

D. nucleocola Cachon,1964?
@ nucleus of *Leptodiscus medusoides*
Mediterranean

D. caryophaga Cachon,1964?
@ *Strombidium*, *Strombolidium* & *Prorodon*
Mediterranean

Duboscquodinium Grassé,1952?
@ Ciliata

D. collini Grassé, in Grassé,1952 (TM)
@ *Tintinnus fraknoi*
?

D. kofoidi Grassé, in Grassé,1952
@ *Codonella campanula*
?

Dogelodinium
@ Acantharia

Keppenodinium
= *Hollandella*
@ Radiolaria

Spiromonadaceae = Spiromonadidae Hollande, in Grassé,1952

Spiromonas Perty,1852. (TM *S. volubilis* Perty,1852 - not a flagellate, perhaps not even a protoctist, according to Patterson & Zölffel,1992)

Sphaeriparaceae = Sphaeriparidae

Sphaeripara
= *Neresheimeria*
@ Appendicularia

Atlanticellodinium Cachon & Cachon-Enjumet,1965
@ Phaeodarea

SYNDINIALES

Syndiniaceae = Syndinidae

Syndinium Chatton,1912
@ Hemocoel of marine copepods & cavities of other invertebrates (appendicularians)
* 8 species known 1952

S. turbo Chatton,1912. (TM)
@ *Paracalanus parvus* Claus & ?*Calanus finmarchicus* (Gunnerus)
* The species in *Calanus* may be another.
?North Sea, Mediterranean

S. minutum Chatton,19??
@ *Paracalanus parvus* Claus
?

S. corycaei Chatton in Grasse,1952
@ *Corycaeus geisbrechti* Dahl
?

S. gammari Manier, Fize & Grizel,1971
@ *Gammarus locusta* (L.)
?

S. borgerti ?Hollande, Enjumet & Manciet,1953?
@ *Aulacantha scolymantha*
?

Synhemidinium Chatton,19??

S. rostratum ??,19??
@ *Paracalanus parvus* Claus
Mediterranean

Actinodinium Chatton & Hovasse,1938

A. apsteini Chatton & Hovasse,1938 (TM)
@ *Acarta clausa* Giesbrecht
?

Merodinium Chatton,1923
@ in radiolarian cytoplasm

M. brandti Hovasse,1923 (TM)
@ intracapsular in cytoplasm of *Collozoum inerme* Müller
Mediterranean

M. vernale Hovasse,19??
@ extracapsular in cytoplasm of *Collozoum inerme* Müller
?

M. insidiosum Chatton,19??
@ cytoplasm of *Collozoum pelagicum* Haeckel
?

M. mendax Chatton,19??
@ cytoplasm of *Myxosphaera coerulea* Haeckel
?

M. dolosum Chatton,19??
@ cytoplasm of *Sphaerozoum punctatum* Müller
?

M. astatum Chatton,19??
@ cytoplasm of *Sphaerozoum acuferum* Müller
?

M. belari ??,19??
@ cytoplasm of *Collozoum fulvum*
?

Hematodinium Chatton & Poisson,1931
@ hemolymph of crabs

H. perezi Chatton & Poisson,1931
@ *Carcinus maenas*, *Liocarcinus depurator*, *Cancer pagurus*, etc.
Roscoff, Arcachon, Mediterranean

H. australis Hudson & Shields,1994
@ *Portunus pelagicus* (L.), *Scylla* sp., etc.
Indopacific

H.? sp.
@ *Pandalus* spp., e.g. *P. borealis* Krøyer
?

Ichthyodinium Hollande & Cachon,1952

I. chabelardi Hollande & Cachon,1952
@ ova & freshly hatched larvae of *Sardina pilchardus*
Mediterranean

Solenodinium Chatton,1913
@ in radiolarian nuclei

S. fallax Chatton,1913? (TM)
@ intranuclear in *Thalassicolla spumida* (Haeckel)

Gulf of Naples

Trypanodinium Chatton,1912
@ Copepod eggs

T. ovicola Chatton,1912 (TM)
@ intracytoplasmic in eggs of *Oncaea media* Giesbrecht, *Oithona* spp., *Clytemnestra* spp.
S France

Cochlosyndinium Chatton,19??
@ *Coryceus*

DOUBTFUL DINOFLAGELLATES (sensu Sourmia,1986)

Archaeosphaerodiniopsis Rampi,1943

Dinoasteromonas Bursa,1971

Dinoceras Schiller,1931

Goniodinium Dangeard,1927

Melanodinium Schiller,1935

Nephrodinium Meunier,1910

Pachydinium Pavillard,1915

Pseudoactiniscus Bursa,1969

Thaurilens Pavillard,1917

Atelodinium Chatton,1920

A. microsporum Chatton,1920
@ coelom parasite of *Paracalanus*
Banyuls-sur-mer

A. parasiticum Chatton,1920
@ coelom parasite of *Paracalanus*
Banyuls-sur-mer

CHRYSOMONADIDA

= **CHRYSOPHYCEAE** Christensen,1962, non Pascher,1914
* All Pankow,1990 included & all Parke & Green, in Parke & Dixon,1976 included.
This taxon belongs to the informal group Straminopiles Patterson,1989.

Bordnamonas Larsen & Patterson,1990
* Correct order? Which suborder & family?

B. tropicana Larsen & Patterson,1990 (TM)
Tvärminne, Denmark, Wadden Sea, England, Ireland, N Atlantic, Belize, Panama, Brazil, Fiji, Australia

Palisporomonadidae de Saedeleer,1946
* Correct order? Which suborder?

Palisporomonas de Saedeleer,1946

P. apodinium de Saedeleer,1946
@ the diatoms *Actinocyclus subtilis*, *Striatella* sp. & *Licmophora* sp.
Mediterranean

CHROMULINALES

= **OCHROMONADALES** Pascher,1910

Ochromonadaceae Lemmermann,1899

Dendromonas Stein,18??
= *Monadodendron* Pascher,1942

D. latypes (Valkanov,19??) Preisig, Vørs & Hällfors, in Patterson & Larsen,1992
= *Monadodendron latypes* Valkanov,1970
* Brackish water
?

Chromonas Vysotskii,1887 (TM *O. triangulata* Vysotskii,1887 - fresh water)
= *Chromophyton* Woronin

O. olivacea Büttner,1911
Kieler Bucht

O. minima Throndsen,1969
Oslofjord, Bergen, Tromsø

O. bourrellyi Magne,19??
Parke & Dixon,1976 area

O. cosmopolita Ruinen,19??
Parke & Dixon,1976 area

O. crenata Klebs,1???
Parke & Dixon,1976 area

O. minuscula Conrad,19??
Parke & Dixon,1976 area

O. oblonga Carter,19??
Parke & Dixon,1976 area

Uroglena Ehrenberg,1835
= *Uroglenopsis* Lemmermann

U. americana Calkins,1892
* Warm water species.
Bothnian Bay & Sea, Gulf of Finland, N Baltic

U. volvox Ehrenberg,1835 (TM)
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

U. marina Büttner,1911
* Possibly identical with *U. volvox* Ehrenberg, sensu Huber-Pestalozzi,1941.
Kieler Bucht

Anthophysa Bory de St. Vincent,1823
* Not mentioned in Chrétiennot-Dinet,1990

A. vegetans (O.F. Müller,1786) von Stein,1878
= *Volvox vegetans* O.F. Müller,1786
Gulf of Finland, German Baltic

Boekloevia Nicolai & Baas-Becking,1935

B. gallica Bourrelly,19
Parke & Dixon,1976 area

B. hooglandii Nicolai & Baas-Becking,1935 (TM)
Parke & Dixon,1976 area

Chrysobotriella Strand,1926

C. spondylomorom (Conrad,1926) Strand,1926 (TM)
Belgium, Britain

Entodesmis Borzi,1892
* Not mentioned in Chrétiennot-Dinet,1990

E. litoralis (Anand,1937) Parke & Green, in Parke & Dixon,1976
= *Gloeoichrysis litoralis* Anand,1937
Parke & Dixon,1976 area

E. maritima (Anand,1937) Parke & Green, in Parke & Dixon,1976
= *Gloeoichrysis maritima* Anand,1937
Parke & Dixon,1976 area

Monas O.F. Müller,1773
= *Spumella* Cienkowski,1870 (Suggestion about proposal for name conservation from Preisig, Vørs & Hällfors,1992, in Patterson & Larsen) (TM *Spumella vulgaris* Cienkowski,1870 - fresh water)

M. uniguttata Skuja,1939
Finland

M. dangeardii Lemmermann,19??
Plymouth

M. sociabile Meyer,1???
Plymouth

Chromulinaceae Engler, in Engler & Prantl,1900

Chromulina Cienkowski,1870 (TM *C. nebulosa* Cienkowski,1870 - fresh water)

C. pleiades Parke,1949
Isle of Man

C. lunaris Carter,19
Parke & Dixon,1976 area

C. ovalis Klebs,18
Parke & Dixon,1976 area

C. pallida Perty
Parke & Dixon,1976 area

C. parvula Conrad,19
Parke & Dixon,1976 area

Oikomonas Kent,1880 (TM *O. mutabilis* Kent,1880-82? - fresh water)
* Colourless

O. termo (O.F. Müller,1773) Kent,1880-82
= *Monas termo* O.F. Müller,1773
* Fresh, Brackish & Marine waters
Plymouth

Sphaleromantis Pascher,1910 (TM *S. ochracea* Pascher,1910)

S. subsalsus Conrad,19
* Systematic position uncertain.
Parke & Dixon,1976 area

S. marina Pienaar,19
E North Sea

Chrysapsis Pascher,1910 (TM *C. fenestrata* Pascher,1910 - fresh water)
= *Pascherella* Conrad,1926

C. ysereensis (Conrad,1926?)
= *Pascherella ysereensis* Conrad,1926?
Parke & Dixon,1976 area

Dinobryonaceae Ehrenberg,1834

Codonoeca James-Clark,1867

C. costata James-Clark,1867 (TM)
* Marine species
?

Dinobryon Ehrenberg,1835

D. petiolatum Willén,1963
* Warm water species.
All Baltic, Öresund, Kattegatt, Parke & Dixon,1976 area

D. suecicum Lemmermann,1904
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Bothnian Bay, S Norway

D. bavaricum Imhof,1890
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Bothnian Bay & Sea

D. divergens Imhof,1890
* Freshwater species, which does not tolerate the full salinity of the area.
Bothnian Bay & Sea, Gulf of Finland, German Baltic, Öresund, N Kattegatt

D. sociale Ehrenberg,1832
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, German Baltic

D. sertularia Ehrenberg,1835 (TM)
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Lübeck

D. balticum (Schütt,1896) Lemmermann,1900
= *Dinodendron balticum* Schütt,1896
= *Dinobryon pellucidum* Levander,1???
All Baltic, Öresund, Kattegatt, Skagerrak, Parke & Dixon,1976 area

D. cylindricum Imhof,1890
* Freshwater species, which does not tolerate the full salinity of the area.
Bothnian Bay

Ollicola Vørs,1992
= *Calycomonas* : Auctt., non Lohmann,1908

O. vangorii (Conrad,1938) Vørs,1992
 = *Calycomonas vangoorii* (Conrad,1938) Lund,1960
 = *Codonomonas Van Goorii* Conrad,1938 (TM)
 = *Calycomonas wulffii* Conrad & Kufferath,1954
 = *Calycomonas gracilis* : Lohmann, in Wulff,1916, non Lohmann,1908
 Bothnian Sea, Gulf of Finland, N Baltic, Arcona Sea, Kieler Bucht, Kattegatt, Oslofjord, North Sea, S, W & N
 Norway, Barents Sea, Belgium

O. cylindrica (Conrad & Kufferath,1954) Vørs,1992
 = *Codonomonas cylindrica* Conrad & Kufferath,1954
 = *Calycomonas cylindrica* (Conrad & Kufferath,1954) Lund,1960
 Belgium

O. dilatata (Conrad & Kufferath,1954) Vørs,1992
 = *Codonomonas dilatata* Conrad & Kufferath,1954
 = *Calycomonas dilatata* (Conrad & Kufferath,1954) Lund,1960
 Belgium

O. pascheri (Van Goor,1925) Vørs,1992
 = *Codonomonas pascheri* Van Goor,1925
 = *Calycomonas pascheri* (Van Goor,1925) Lund,1960
 ?Netherlands

Pseudokephyron Pascher,1913 (TM *P. undulatum* (Klebs) Pascher,1913 - fresh water)

P. formosissimum Conrad,19
 Parke & Dixon,1976 area

Chrysococcaceae Lemmerman,1889

Chrysococcus Klebs,1892

C. rufescens Klebs,1892 (TM)
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland, Parke & Dixon,1976 area

C. biporus Skuja,1939
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland

C. minutus (Fritsch,1918) Nygaard,1929
 * Freshwater species, which does not tolerate the full salinity of the area.
 = *Trachelomonas volvocina* f. *minuta* Fritsch,1916
 Bothnian Sea

C. pascheri Lohmann,19
 Parke & Dixon,1976 area

C. cinctus Lackey,19??
 Plymouth

Kephyron Pascher,1911 (TM *K. sitta* Pascher,1911)

K. hemispaericum (Lackey,1938) Conrad,1939
 = *Chrysococcus hemispaericum* Lackey,1938
 Gulf of Finland

K. cinctum (Lackey) Bourrelly,19
 Parke & Dixon,1976 area

K. ovum Pascher,19
 Plymouth

K. petasatum Conrad,19
 Parke & Dixon,1976 area

Calycomonas Lohmann,1908 (TM *Calycomonas gracilis* Lohmann,1908)
 = *Codonomonas* van Goor,1925
 * This genus is now a synonym of *Paulinella* Lauterborn,1895 (FILOSEA)

C. globosa Lohmann,19
 * Either a synonyme of another species or should be transposed to another genus.
 Parke & Dixon,1976 area

Angulochrysis Lackey,1940 (TM *A. erratica* Lackey,1940)

Paraphysomonadaceae Preisig & Hibberd,1983

Paraphysomonas de Saedeleer,1929
 = *Lepidochromonas* Kristiansen,19

P. antarctica Takahashi,1987
 Tvärminne, S Baltic, Wadden Sea, Greenland, Belize, Antarctica

P. butcheri Pennik & Clarke,1972
 = *P. inconspicua* Takahashi,1976
 Tvärminne, Öresund, Kattegatt, Limfjorden, Norway, E North Sea, England, Mediterranean, N midAtlantic, widespread

P. circumvallata Thomsen,19??
 * A fresh- & brackish water species
 ?

P. corbidifera Pennik & Clarke,19
 Parke & Dixon,1976 area

P. cribosea Lucas,1968
 S Kattegatt, Bergen, E North Sea, Plymouth

P. cylicophora Leadbeater,1972
 Tvärminne, S Kattegatt, Norway

P. faveolata Rees, Leedale & Cmiech,19??
 Parke & Dixon,1976 area

P. foraminifera Lucas,1967
 Tvärminne, W Baltic, Öresund, Kattegatt, Limfjorden, Bergen, Engl. Channel, Greenland, Italy

P. imperforata Lucas,1967
 Tvärminne, Öresund, Limfjorden, Kattegatt, Britain, Greenland, N midAtlantic, cosmopolitan

P. oligocycla Takahashi,1987
 Tvärminne, Arctic Canada, Antarctica

P. siderophora Thomsen,19??
 S Kattegatt, Parke & Dixon,1976 area

P. subrotacea Thomsen,19??
 * A fresh & brackish water species
 ?

P. takahashii Cronberg & Kristiansen,1980

* Normally widespread in fresh waters of Northern hemisphere
 Tvärminne

P. vestita (Stokes,1885) de Saedeleer,1929 (TM)
 = *Physomonas vestita* Stokes,1885
 * Freshwater species, which does not tolerate the full salinity of the area.
 Tvärminne, Öresund, S Kattegatt, ?Bergen, cosmopolitan in fresh & brackish water

Polylepidomonas Preisig & Hibberd,1983

P. vacuolata (Thomsen) Preisig & Hibberd,1983 (TM)
 E North Sea

Spiniferomonas Takahashi,19??

S. bourrellyi Takahashi,1973
 = *Paraphysomonas bourrellyi* (Takahashi,1973) Hibberd & Preisig,1982
 Gulf of Finland

Chromophysomonas Preisig & Hibberd,1982

C. trioralis (Takahashi,1973) Preisig & Hibberd,1982
 = *Spiniferomonas trioralis* Takahashi,1973
 Gulf of Finland

Mallomonadaceae Dissing,1866

Mallomonas Perty,1852 (TM *M. ploesslii* Perty,1852 - fresh water)

M. akrokomos Ruttner, in Pascher,1913, emend. Bourrelly,1957
 * Freshwater species, which does not tolerate the full salinity of the area.
 Tvärminne

M. punctifera Korschikov,1941
 = *M. reginae* Teiling,1946
 = *M. pulchella* (Kisselev,19??) Cronberg & Kristiansen,19??
 * Freshwater species, which does not tolerate the full salinity of the area.
 Tvärminne

M. tonsurata Teiling,1912, emend. Krieger,1930
 * Freshwater species, which does not tolerate the full salinity of the area.
 Tvärminne

M. producta Iwanoff,1899
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland

M. caudata Iwanoff,1899
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland

M. epithalattia Droop,19
 Parke & Dixon,1976 area

M. subsalina Conrad & Kufferath,1954?
 Parke & Dixon,1976 area

PARMALES Booth & Marchant,1987

Triparmaceae Booth & Marchant,1987

Triparma Booth & Marchant,1987 (TM *T. columacea* Booth & Marchant,1987)

Tetraparma Booth, in Booth & Marchant,1987 (TM *T. pelagica* Both & Marchant,1987)

Pentalaminaceae Marchant, in Booth & Marchant,1987

Pentalamina Marchant, in Booth & Marchant,1987 (TM *P. corona* Marchant, in Booth & Marchant,1987)

CHRYSAMOEBALES Matvienko,1965

Chrysamoebaceae Bourrelly,1957

Chrysamoeba Klebs,1892 (TM *C. radians* Klebs,1892 - fresh water)

Rhizochromulina Hibberd & Chrétiennot-Dinet,1979 (TM *R. marina* Hibberd & Chrétiennot-Dinet,1979 -
 Mediterranean)

Rhizochrysidaceae Pascher, ex Reichenow,1928

Leukapsis Pascher,1940 (TM *L. vorax* Pascher,1940)

Stylococcaceae Lemmermann,1899

Chrysopodocystis Billard,1978

C. socialis Billard,1978 (TM)
 Engl. Channel, Mediterranean

Heliopsis Pascher,1940 (TM *H. mutabilis* Pascher,1940 - fresh water)

SARCINOCHRYSIDALES Gayral & Billard,1977

Sarcinochrysidaceae Gayral & Billard,1977

Sarcinochrysis Geitler,1930

S. marina Geitler,1930 (TM)
 Parke & Dixon,1976 area

Ankylochrysis Billard, in O'Kelly & Billard,1991?

A. lutea (Van der Veer,1970) Billard, in O'Kelly & Billard,1991? (TM)
 = *Ankylonoton luteum* van der Veer,1970
 Parke & Dixon,1976 area

PEDINELLALES Zimmermann, Moestrup & Hållfors,1984
 * Taxon (?on the boarderline to "Heliozoa") including CILIOPHYRYDA Febvre-Chevalier, in Lee, Hutner &
 Bovee,1985. *Dicryocha* may be related to this group.

?Family?

Actinomonas Kent,1880

A. mirabilis Kent,1880 (TM)
 = *A. marina* Kufferath,19?? = *A. pusilla* Kent,18??
 = *A. radiosa* Roskin,19?? = *Pteridomonas scherffelii* Lemmermann,19??
 * Impossible to discriminate from *Pteridomonas danica* without EM thin sectioning
 ?Tvärminne, Wadden Sea, Oslofjord, Bergen, England, France, ?midAtlantic, New Zealand, Brazil, Fiji, Hawaii

Pteridomonas Pénard,1890 (TM *P. pullex* Pénard,1890 - fresh water)
 * Like *Pedinella*, but without chromatophores

- P. danica* Patterson & Fenchel, 1985
?Tvärminne, Denmark, Ireland, N midAtlantic, Brazil, Fiji, Hawaii, Australia
- P. salina* Bourrelly, 19??
* Brackish & ?marine waters
?
- Ciliophryidae
- Ciliophrys* Cienkowski, 1875
- C. infusorium* Cienkowski, 1876 (TM)
= *C. marina* Caullery, 1910
Tvärminne, Denmark, Bergen, Germany, Engl. Channel, Mediterranean, SE North America, Fiji, Hawaii, Australia, European fresh water
- Pedinellaceae Pascher, 1910
- Pedinella* Wyssotzki, 1887
- P. hexacostata* Wyssotzki, 1887 (TM)
?Baltic, Plymouth
- Parapedinella* Pedersen & Thomsen, in Pedersen, Beech & Thomsen, 1986
- P. reticulata* Pedersen & Thomsen, in Pedersen, Beech & Thomsen, 1986 (TM)
Belt Sea, S & central Kattegatt
- Pseudopedinella* Carter, 1937
- P. elastica* Skuja, 1948
Gulf of Finland
- P. pyriforme* N. Carter, 1937 (TM)
?Finland, S Kattegatt, Oslofjord, S Norway, Bergen, Tromsø, Belgium, Engl. Channel, Massachusetts
- P. tricostata* (Rouchijainen, 1966) Thomsen, 1988
= *Pedinella tricostata* Rouchijainen, 1966
Gulf of Finland
- Apedinella* Thronsen, 1971
- A. spinifera* (Thronsen, 1969) Thronsen, 1971 (TM)
= *Pseudopedinella spinifera* Thronsen, 1969
Gulf of Finland, W Baltic, Øresund, Limfjorden, Kattegatt, Bohusl., Oslofjord, S Norway, Bergen, Arctic Seas, Mediterranean
- A. mediterranea* (Lohmann, 1903)
= *Meringosphaera radiumi* Lohmann, 1903
* Dubious species, sensu Ettl, 1978. ?A synonym of *Apedinella spinifera* (Thronsen)?
* Vørs, 1992 keeps it in *Meringosphaera* and think that it is related to Choanocystis
Kieler Bucht, N Kattegatt
- CHRY SOMONADIDA "Incertae sedis" or doubtful
- Aureococcus* Hargrave & Sieburth, in Sieburth & al., 1988 (TM *A. anophagefferens* Hargrave & Sieburth, in Sieburth & al., 1988)
- Aurosphaera* Schiller, 1925 (TM *A. ovalis* Schiller, 1925)
- Meringosphaera* Lohmann, 1902, emend. Pascher, 1932
- M. mediterranea* Lohmann, 1902 (TM)
?Finland, Kieler Bucht, N Kattegatt, Oslofjord, Parke & Dixon, 1976 area
- M. serrata* Lohmann, 1908
* Dubious species, sensu Ettl, 1978
Kieler Bucht, N Kattegatt
- M. aculeata* Pascher, 19
Parke & Dixon, 1976 area
- M. brevispina* Pascher, 19
Parke & Dixon, 1976 area
- Microglena* Ehrenberg, 1831 (TM *M. monadina* Ehrenber, 1831)
- M. multipunctata* Ehrenberg, 1838
Kiel
- M. arenicola* Droop, 19
Parke & Dixon, 1976 area
- Pelagococcus* Norris, in Lewin & al., 1977 (TM *P. subviridis* Norris, in Lewin & al., 1977)
- Synecrypta* Ehrenberg, 1835 (TM *S. volvox* Ehrenberg, 1835)
= *Synochromonas* Korschikov, 19
= *Synopsis* Schiller, 19
= *Volvochrysis* Schiller, 19
= *Pseudosynura* Kisselev, 19
- S. glomerifera* Clarke & Pennik, 19
Parke & Dixon, 1976 area
- S. spongiarum* Bidder, 19??
@ *Granita compressa* & *Sycon ciliatum*
Parke & Dixon, 1976 area
- Chryso-sphaerella* Lauterborn, emend. Korschikov, 1941
- C. brevispina* Korschikov, 1942, emend. Harris & Bradley, 1958
* Freshwater species, which does not tolerate the full salinity of the area.
Tvärminne
- * Taxa below are not mentioned in Chrétiennot-Dinet, 1990
- Stichogloea* Chotat, 1897
* STICHOGLOEALLES Borrelly, 1957, Stichogloaceae Lemmermann, 1899, according to Pankow, 1990
- S. doederleinii* (Schmidle, 1902) Wille, 1911
= *Oodesmus doederleinii* Schmidle, 1902
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland
- Nematochrysis* Pascher, 1925
* PHAEOTHAMNIALES Bourrelly, 1957, Phaeothamniaceae (Lagerheim, 1884) De Toni, 1888, according to Pankow, 1990
- N. hieroglyphica* Waern, 1952
@ *Cladophora* & *Phragmites*
Øreggrund, Norfolk
- N. sessilis* Pascher, var. *vetensis* Carter, Parke & Dixon, 1976 area
- Chryso-meris* Carter, 1937
* PHAEOTHAMNIALES Bourrelly, 1957, Phaeosaccionaceae, according to Parke & Green, in Parke & Dixon, 1976
- C. articulata* Carter, 19
Parke & Dixon, 1976 area
- C. ramosa* Carter, 19
SW Kattegatt, Parke & Dixon, 1976 area
- Phaeosaccion Farlow, 1882
* PHAEOTHAMNIALES Bourrelly, 1957, Phaeosaccionaceae, according to Parke & Green, in Parke & Dixon, 1976
- P. collinsi* Farlow,
Parke & Dixon, 1976 area
- Bicosoeca* James-Clark, 1868
= *Bicoeca* von Stein, 1878 = *Stylobryon* Fromentel, 1874
= *Codomonas* Lackey, 1939
= *Domatomonas* Lackey, 1939
* STRAMINOPILES Patterson, 1989 (informal group name), BICOSOECALLES Grassé, 1926, Bicosoecaceae J. Clark, 1868, according Vørs, 1992
- B. ainikkiae* Järfelt, 19??
= *B. tubiformis* Skuja, 19??
* Freshwater species, which does not tolerate the full salinity of the area.
Bothnian Bay, Gulf of Finland
- B. conica* Lemmermann, 1914
* Freshwater & marine
midAtlantic
- B. gracilipes* James-Clark, 18?? (TM)
* Marine
Parke & Dixon, 1976 area
- B. lacustris* James-Clark, 1868
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Parke & Dixon, 1976 area
- B. maris* Picken, 1941?
= *B. griessmannii* (Griessmann) Bourrelly, 19??
S Kattegatt, Parke & Dixon, 1976 area
- B. mediterranea* Pavillard, 19??
Parke & Dixon, 1976 area
- B. mignotii* Moestrup, Thomsen & Hibberd, in Vørs, 1992
* Freshwater species, which does not tolerate the full salinity of the area.
Tvärminne, Denmark, England
- B. ovata* Lemmermann, 1913
* Freshwater species.
Estonia, German Baltic
- B. petiolata* (von Stein, 18??) E.G. Pringsheim, 19??
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland
- B. planctonica* Kisselev, 1931
= *B. multiamulata* Skuja, 1948
= *B. annulata* Stolic, 1887
* Freshwater species, which does not tolerate the full salinity of the area.
Bothnian Bay, Gulf of Finland
- B. pocillum* Kent, 18??
* Not mentioned by Preisig, Vørs & Hallfors, 1992, in Patterson & Larsen
Parke & Dixon, 1976 area
- B. pontica* Valkanov, 19??
* Brackish water species
?
- B. tenuis* Kent, 18??
* Not mentioned by Preisig, Vørs & Hallfors, 1992, in Patterson & Larsen
Parke & Dixon, 1976 area
- Cafeteria* Fenchel & Patterson, 1988
* STRAMINOPILES Patterson, 1989 (informal group name), BICOSOECALLES Grassé, 1926, Bicosoecaceae J. Clark, 1868, according Vørs, 1992
- C. ligulifera* Larsen & Patterson, 1990
?
- C. marsupialis* Larsen & Patterson, 1990
?
- C. minuta* (Ruinen, 19??) Larsen & Patterson, 1990
?
- C. roenbergensis* Fenchel & Patterson, 1988 (TM)
Tvärminne, Limfjorden, Greenland, Canaries, midAtlantic, Belize, Australia, Antarctic
- Pseudobodo* Griessmann, 1913, non Hollande, 1942
* STRAMINOPILES Patterson, 1989 (informal group name), BICOSOECALLES Grassé, 1926, Bicosoecaceae J. Clark, 1868, according Vørs, 1992
- P. minimus* Ruinen, 19??
* Marine
?
- P. tremulans* Griessmann, 1913 (TM)
* Marine
Denmark, N midAtlantic
- Hedraeophysa* Kent, 1881
* CHROMULINALES Pascher, 1913, Bicosoecaceae J. Clark, 1868, according to Parke & Green, in Parke & Dixon, 1976
- H. bulla* Kent, 18
Parke & Dixon, 1976 area
- Thallochrysis* Conrad, 1914
* THALLOCHRYSIDALES, Thallochrysidaceae, according to Parke & Green, in Parke & Dixon, 1976
- T. litoralis* Anand,
Parke & Dixon, 1976 area
- T. pascheri* Conrad, 19
Parke & Dixon, 1976 area

Synura Ehrenberg, 1835

* CHROMONADALES Pascher, 1910, Synuraceae Lemmermann, 1899 according to Pankow, 1990

S. petersenii Korschikov, 1929

* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

S. sphagnicola (Korschikov, 1927) Korschikov, 1929

= *Skadovskiyella sphagnicola* Korschikov, 1927

* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

S. spinosa Korschikov, 1929

* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

S. uvella Ehrenberg, 1835, emend. Korschikov, 1929

* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, German Baltic

HETEROMONADIDA Leedale, 1983

= TRIBOPHYCEAE Hibberd, 1981 (p.p.)

= XANTHOPHYCEAE Allorge, 1930 (p.p.)

* Doubtful order.

Reticulosphaera Grell, 1989

* Which suborder & family?

R. japonensis Grell, 1990

Japan

R. socialis Grell, 1989 (TM)

?

TRIBONEMATALES

Tribonemataceae

Tribonema Derbès & Solier, 1856

T. affine (G.S. West, 1903) G.S. West, 1904

= *Conferva affinis* G.S. West, 1903

* Freshwater species, which does not tolerate the full salinity of the area.
* Chiefly littoral.
Gulf of Finland

T. bombycinum Derbès & Solier, 1856

Parke & Dixon, 1976 area

T. endozooticum (Wille) Magne, 19

Parke & Dixon, 1976 area

T. viride Pascher, 1925

* Freshwater species, which does not tolerate the full salinity of the area.
* Chiefly littoral.
Gulf of Finland

Brachynema Ålvik, 1934

B. bacillare Ålvik, 19

Parke & Dixon, 1976 area

CHLORAMOEBALES Silva, 1962

Chloramoebaceae Luther, 1899 = Heterochloridae Pascher, 1926

Chloromeson Pascher, 1930

C. agile Pascher, 1930 (TM)

Parke & Dixon, 1976 area

C. luteoviride Conrad, 19

Parke & Dixon, 1976 area

C. parvum Carter, 1937

Oslofjord, Belgium, Engl. Channel

Heterochloris Pascher, 1914

H. mutabilis Pascher, 1914 (TM)

Parke & Dixon, 1976 area

Anotropis Pascher, 1939

A. subsalina Pascher, 1939 (TM)

Parke & Dixon, 1976 area

Ankylonoton Pascher, 1932

A. pyreniger Pascher, 1932 (TM)

Parke & Dixon, 1976 area

Chlorokardion Pascher, 1930 (TM *C. pleurochloron* Pascher, 1930)

C. subsalsum Conrad, 19

Parke & Dixon, 1976 area

Phacomonas Lohmann, 1903

P. pelagica Lohmann, 1903 (TM)

Parke & Dixon, 1976 area

Beckingia Ruinen, 1938

B. salina Ruinen, 1938 (TM)

?

Bothrochloris Pascher, 1932

B. longeciliata Pascher, 1932 (TM)

?

RHIZOCHLORIDALES Pascher, 1925

Rhizochloridaceae Pascher, 1925

Rhizochloris Pascher, 1917

R. mirabilis Pascher, 1917 (TM)

Parke & Dixon, 1976 area

R. arachnoides Carter, 19

Parke & Dixon, 1976 area

R. lilloensis Conrad, 19

Parke & Dixon, 1976 area

R. nodulariae Bursa, 1953

@ *Nodularia spumigena*

Gdansk

R. solitaria Bursa, 1968

@ *Nodularia spumigena*

Gdansk

Rhizolekanidae Deflandre, in Grassé, 1952

Rhizolekane Pascher, 1932

R. sessilis Pascher, 1932?

?

TRIBOPHYCEAE "incertae sedis"

Monodus Chodat, 1913 (TM *M. acuminata* (Gerneck) Chodat, 1913)

M. amiceime Pascher, 19

Parke & Dixon, 1976 area

M. subsalsus Conrad, 19

Parke & Dixon, 1976 area

Ophiocythium Nägeli, 1???

* Is this a Tribophyceae?

O. elongatum W. & G.S. West, 1???

* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

Schilleriella Pascher, 19???

* Is this a Tribophyceae?

S. anuraea Pascher, 19???

* Requires taxonomic reinvestigation. Systematic position uncertain.

* May be a reduced form of *Chaetoceros subtilis*

Gulf of Finland

RAPHIDOMONADIDA Heywood & Leedale, 1983

= RAPHIDOPHYCEAE Chadeffaud, ex Silva, 1980 = RAPHIDOMONADALES Chadeffaud, 1960

= CHLOROMONADIDA Klebs, 1892 = CHLOROMONADOPHYCEAE

Merotricha ?Mereschkowsky?, 1878?

* Marine? Which family?

Vacuolariaceae Luther, 1899 = Chloromonadidae Hollande, in Grassé, 1952

Olisthodiscus N. Carter, 1937

O. luteus N. Carter, 1937 (TM)

* Benthic, interstitial.
Oslofjord, Belgium, Engl. Channel, E coast of USA

Chattonella Biecheler, 1936

= *Hemiteutrepia* Hada, 1974

= *Hornellia* Subrahmanyam, 1954

= *Entostigma* Schiller, 19 (p.p.)

= *Heterostigma* Hada, 19 (p.p.)

C. subsalsa Biecheler, 1936 (TM)

?= *Hornellia marina* (Subrahmanyam, 1954)

Mediterranean

Vacuolaria Cienkowski, 1870

V. virescens Cienkowski, 1870?

?

Fibrocapsa Toriumi & Takano, 1973 (TM *F. japonica* Toriumi & Takano, 1973 - Japan)

Gonyostomum Diesing, 1866 (TM *G. semen* Diesing, 1866)

G. sp. : Edler, Hällfors & Niemi, 1984

* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

Heterostigma Hada, 1968

H. akashiwo (Hada, ex Hara & Chihara, 1967) Hada, 1968 (TM - Japan)

= flagellate X

= *Olisthodiscus luteus* : Auctt., non N. Carter, 1937

* Toxic to fish. Pelagic.

Limfjorden, Faeroes, Iceland, Scotland, Ireland, Canada, Japan

PRYMNESIIDA

= HAPTOPHYCEAE Christensen, 1962

= PRYMNESIOPHYCEAE Hibberd, 1976

* Sub-classification may need revision.* All Pankow, 1990 & Parke & Green, in Parke & Dixon, 1976 included.

PAVLOVINA

= PAVLOVALES Green, 1976

Pavlovaceae Green, 1976

Pavlova Butcher, 1952

= *Nephrochloris* Geitler & Gemisi, 1925 (p.p.)

= *Monochrysis* Skuja (p.p.)

= *Corcontochrysis* Kalina, 1970

= *Chrysocapsa* Pascher (p.p.)

= *Exanthemachrysis* Lepailleur (p.p.)

P. gyrans Butcher, 1952 (TM), emend. Green & Manton, 1970

Britain

P. lutheri (Droop, 1953) Green, 1976

= *Monochrysis lutheri* Droop, 1953

Gulf of Finland

P. salina (Carter, 1937) Green, 1976

= *Nephrochloris salina* Carter, 1937

= *P. mesolychnon* van der Veer, 1969

Oslofjord, S, W & N Norway, Belgium, Engl. Channel, Massachusetts

P. helicata van der Veer, 1972

SW North Sea

- P. calceolata* van der Veer, 1976
Tamar estuary
- P. virescens* Billard, 1976
Parke & Dixon, 1976 area
- P. ennoea* van der Veer & Leewis, 1977
England
- Diacronema* Prauser, 1958, emend. Green & Hibberd, 1977
- D. vlkianum* Prauser, 1958, emend. Green & Hibberd, 1977 (TM)
Isle of Wight
- Exanthemachrysis* Lepaillieur, 1970
= *Pavlova* Butcher (p.p.)
- E. gayralae* Lepaillieur, 1970 (TM)
Parke & Dixon, 1976 area
- PRYMNESIINA
= PRYMNESIALES (Fritsch) Papenfuss, 1955
- Those families previously placed in the order ISOCHRYSIDALES Pascher, 1910 by Parke & Green (in Parke & Dixon, 1976)
- Isochrysidaceae Parke, 1949
- Isochrysis* Parke, 1949
- I. galbana* Parke, 1949 (TM), emend. Green & Pienaar, 1977
Isle of Man fish pond
- I. litoralis* Billard & Gayral, 1972
Parke & Dixon, 1976 area
- Chrysofila* Anand, 1937, emend. Green & Parke, 1975
* Benthic genus
- C. lamellosa* Anand, 1937 emend. Green & Parke, 1975
= *Isochrysis maritima* Billard & Gayral, 1972
Parke & Dixon, 1976 area
- C. stipitata* Anand, 1937 emend. Green & Parke, 1975
Parke & Dixon, 1976 area
- Imantonia* Reynolds, 1974
- I. rotunda* Reynolds, 1974 (TM), emend. Green & Pienaar, 1977
S Kattegatt, Parke & Dixon, 1976 area
- Dicrateria* Parke, 1949
- D. gilva* Parke, 1949
Oslofjord, Plymouth
- D. inornata* Parke, 1949 (TM), emend. Green & Pienaar, 1977
Oslofjord, S, W & N Norway, Bjørnøya, Plymouth, Wales
- Apistonema* Pascher, 1925
* Benthic genus. Correct family? According to Jordan & Green, 1994 does *Pleurochrysis* spp. have "A pistonema"-stages in their life cycle, so the taxonomic position of this genus is in doubt and no longer used within the classification of extant Haptophyta.
- A. pyrenigerum* Pascher, 1931
@ *Phragmites* & *Cladophora*
Øregrund, SW Kattegatt, E North Sea
- A. aestuarii* Magne, 19
Parke & Dixon, 1976 area
- A. carterae* Anand, 1937
Parke & Dixon, 1976 area
- A. submarinum* Dang, 19
Parke & Dixon, 1976 area
- Chrysonema* Anand, 1937
* Not included in Chrétiennot-Dinet, 1990. Correct family? Genus of uncertain affinity according to Jordan & Green, 1994
- C. litorale* Anand, 1937
Parke & Dixon, 1976 area
- Noelaerhabdaceae Jerkovic, 1970
- Emiliania* Hay & Mohler, in Hay, Mohler, Roth, Schmidt & Boudreaux, 1967
- E. huxleyi* (Lohmann, 1902) Hay & Mohler, in Hay, Mohler, Roth, Schmidt & Boudreaux, 1967 (TM)
= *Pontosphaera huxleyi* Lohmann, 1902
= *Coccolithus huxleyi* (Lohmann, 1902) Kamptner, 1943
= *Gephyrocapsa huxleyi* (Lohmann, 1902) Reinhardt, 1972
Tvärminne, Kieler Bucht, Öresund, Kattegatt, Skagerrak, all Norway, Plymouth, all oceans except Polar & Antarctic seas
- Gephyrocapsa* Kamptner, 1943
- G. oceanica* Kamptner, 1943 (TM)
Parke & Dixon, 1976 area
- G. kamptneri* Deflandre & Fert, 1954
* Not mentioned in Jordan & Green, 1994
Faeroe-Shetland area, Parke & Dixon, 1976 area
- Reticulofenestra* Hay, Mohler, Roth, Schmidt & Boudreaux, 1967, emend. Gallagher, 1989
= *Crenalithus* Roth, 1973
- Those families previously placed in the order PRYMNESIALES by Parke & Greene (in Parke & Dixon, 1976)
- Phaeocystaceae Lagerheim, 1896
- Phaeocystis* Lagerheim, 1893
- P. pouchetii* (Hariot, in Pouchet, 1892) Lagerheim, 1893 (TM)
= *Tetraspora pouchetii* Hariot, in Pouchet, 1892
? = *P. amoeboides* Büttner, 1910 ? = *P. sphaeroides* Büttner, 1910
* The two species described by Büttner from Kieler Bucht have not been recorded since their description.
Central & W Baltic, Belt Sea, Öresund, Kattegatt, Limfjorden, Skagerrak, Oslofjord, Bergen, North Sea
- P. globosa* Scherffel, 1899
?
- Prymnesiaceae Conrad, 1926 = Prymnesiidae Conrad, 1926
- * Zooxanthellae of three acantarians, *Amphilonche elongata*, *Lithoptera muelleri* & *Acanthometra pellucida* have been identified as belonging to this family (Febvre & Febvre-Chevalier, 1979).
- Prymnesium* Massart, 1920
- P. annuliferum* Billard, 1983
?
- P. gladiociliatum* (Büttner, 1910) Jordan & Green, 1994
= *Wysozka gladiociliata* Büttner, 1910
* In need of detailed re-examination according to Jordan & Green, 1994
Kieler Bucht
- P. parvum* Carter, 1937
* Toxic to fish.
S Baltic, Belt Sea, Limfjorden, S & central Kattegatt, Oslofjord, S & N Norway, E North Sea, Netherlands, Engl. Channel, Massachusetts
- P. patelliferum* Green, Hibberd & Pienaar, 1982
* Probably toxic to fish. Not distinguishable from *P. parvum* in light microscope (differs by scale morphology).
Baltic, cosmopolitan
- P. saltans* Massart, ex Conrad, 1926 (TM)
Parke & Dixon, 1976 area
- P. minutum* N. Carter, 1937
Parke & Dixon, 1976 area
- P. zebrium* Billard, 1983
?
- Chrysochromulina* Lackey, 1939 (TM *C. parva* Lackey, emend. Parke & al., 1972 - fresh water)
= *Chrysocampanula* Fournier, 1971
- C. acantha* Leadbeater & Manton, 1971
Kattegatt, Bergen, E North Sea, Plymouth
- C. alifera* Parke & Manton, in Parke, Manton & Clarke, 1956
N Kattegatt, Bergen, Plymouth
- C. apheles* Moestrup & Tangen, 1986
S Kattegatt
- C. bergensis* Leadbeater, 1972
N Kattegatt, Bergen, E North Sea
- C. birgeri* Hallfors & Niemi, 1974
Gulf of Finland
- C. brachycylindra* Hallfors & Thomsen, 1986
Finland, S Kattegatt, S Norway
- C. brevifilum* Parke & Manton, in Parke, Manton & Clarke, 1956
N Kattegatt, Bergen, off SW Britain
- C. camella* Leadbeater & Manton, 1969
Parke & Dixon, 1976 area
- C. campanulifera* Manton & Leadbeater, 1974
N Kattegatt, E North Sea
- C. chiton* Parke & Manton, in Parke, Manton & Clarke, 1958
N Kattegatt, Bergen, Plymouth
- C. cyathophora* Thomsen, 1979
* Warm water species.
W Baltic, Belt Sea, SW Kattegatt
- C. cymbium* Leadbeater & Manton, 1969
N Kattegatt, Bergen, Plymouth
- C. elegans* Estep, Davis, Hargraves & Sieburth, 1984
N Atlantic
- C. ephippium* Parke & Manton, in Parke, Manton & Clarke, 1956
N Kattegatt, Oslofjord, Bergen, E North Sea, Plymouth, New Zealand
- C. ericina* Parke & Manton, in Parke, Manton & Clarke, 1956
Finland, W Baltic, Öresund, Belt Sea, Kattegatt, Limfjorden, Oslofjord, S & W Norway, Bjørnøya, Plymouth, Mediterranean
- C. fragilis* Leadbeater, 1972
?N Kattegatt, Bergen, Parke & Dixon, 1976 area
- C. herdensis* Leadbeater, 1972
N Kattegatt, E North Sea, Bergen
- C. hirta* Manton, 1978
Finland, W Baltic, Öresund, Belt Sea, Kattegatt, S Norway, Greenland
- C. kappa* Parke & Manton, in Parke, Manton & Clarke, 1955
Oslofjord, Bergen, Bjørnøya, Isle of Man, Irish Sea, off S England, New Zealand
- C. leadbeateri* Estep, Davis, Hargraves & Sieburth, 1984
Norwegian W coast
- C. maetra* Manton, 1972
= *C. Illb* : Thronsen, 1969
Denmark, S, W & N Norway, Britain, Mediterranean
- C. mantoniae* Leadbeater, 1972
Gulf of Finland, W Baltic, Öresund, Belt Sea, Kattegatt, Bergen, Greenland, Mediterranean
- C. megacylindra* Leadbeater, 1972
N Kattegatt, Bergen
- C. microcylindra* Leadbeater, 1972
N Kattegatt, Bergen
- C. minor* Parke & Manton, in Parke, Manton & Clarke, 1955
Baltic (>4 ppt S), SW Kattegatt, Oslofjord, Bergen, off SW England
- C. pachycylindra* Manton, Oates & Course, 1981
Engl. Channel
- C. parkeae* Green & Leadbeater, 1972
W Baltic, Belt Sea, Kattegatt, Limfjorden, Bergen, Plymouth
- C. pelagica* Estep, Davis, Hargraves & Sieburth, 1984
N Atlantic
- C. polytepis* Manton & Parke, 1962
* Toxic to fish & invertebrates.

Baltic (>4 ppt S), Kattegatt, Bohusl., S & W Norway, Plymouth

C. pringsheimii Parke & Manton, 1962
W Baltic, Belt Sea, Øresund, Limfjorden, Kattegatt, Oslofjord, S Norway, Bergen, Plymouth, Biscay, Mediterranean

C. pyramidos Thomsen, 1977
Belt Sea, S Kattegatt

C. simplex Estep, Davis, Hargraves & Sieburth, 1984
N Atlantic

C. spinifera (Fournier, 1971) Pienaar & Norris, 1979
= *Chrysocampypanula spinifera* Fournier, 1971
Finland, E Kattegatt, Limfjorden, S Norway, Britain, Greenland

C. strobilus Parke & Manton, in Parke, Manton & Clarke, 1959
N Kattegatt, Bergen, Bjørnøya, Plymouth

C. tenuisquama Estep, Davis, Hargraves & Sieburth, 1984
N Atlantic

Corymbellus Green, 1976

C. aureus Green, 1976 (TM)
Engl. Channel

Platyachrysis Geitler, 1930, emend. Gayral & Fresnel, 1983

P. pigra Geitler, 1930 (TM)
Parke & Dixon, 1976 area

P. pienaarii Gayral & Fresnel, 1983
?

P. simplex Gayral & Fresnel, 1983
?

Those families previously placed in the order COCCOSPHAERALES (= COCCOLITHOPORALES Schiller, 1926) by Parke & Green (Parke & Dixon, 1976)

Braarudosphaeraeae Deflandre, 1947

Braarudosphaera Deflandre, 1947

B. bigelowii (Gran & Braarud) Deflandre, 1947 (TM)
S Kattegatt, Engl. Channel

B. magnei Lefort, 1972
Parke & Dixon, 1976 area

Calciosoleniaceae Kamptner, 1937

Calciosolenia Gran, in Murray & Hjort, 1912
= *Acanthosolenia* Bernard, 1939 (TM) *A. mediterranea* Bernard, 1939 - Mediterr.

C. murrayi Gran, in Murray & Hjort, 1912 (TM)
Parke & Dixon, 1976 area

Anoplosolenia Deflandre, 1952

A. brasiliensis (Lohmann) Deflandre, 1952 (TM)
= *Cylindrotheca brasiliensis* Lohmann
Faeroe-Shetland area, Parke & Dixon, 1976 area

Navisolenia Lecal, 1965, emend. Leadbeater & Morton, 1973 (TM) *N. aprilei* Lecal, 1965 - E Mediterranean)

Ceratolithaceae Norris, 1965

Ceratolithus Kamptner, 1950 (TM) *C. cristatus* Kamptner, 1950)

Coccolithaceae Kamptner, 1928
= Coccolithophoraceae Lohmann, 1902

Coccolithus Schwartz, 1894
= *Crystallolithus* Garder & Markali, 1956 (p.p.)
= *Coccolithophora* Lohmann, 1902
= *Coccosphaera* Wallich, 1877

C. pelagicus (Wallich, 1877) Schiller, 1930
= *Crystallolithus hyalinus* Gaarder & Markali, 1956 (its holococcolith-bearing mobile phase)
= *Crystallolithus braarudii* Garder, 1962 (its holococcolith-bearing mobile phase)
Parke & Dixon, 1976 area

Calcidiscus Kamptner, 1950

C. leptoporus (Murray & Blackman, 1898) Loeblich Jr. & Tappan, 1978 (TM)
= *Cyclococcolithus leptoporus* (Murray & Blackman, 1898) Kamptner, 19
= *Crystallolithus rigidus* Gaarder, in Heimdal & Gaarder, 1980 (its holococcolith-bearing mobile phase)
Parke & Dixon, 1976 area

Crenalithus Roth, 1973 (TM) *C. doronicoides* Roth, 1973 - fossil)

Cruciplacolithus Hay & Mohler, in Hay, Mohler, Roth, Schmidt & Boudreaux, 1967 (TM) *C. tenuis* (Stradner) Hay & Mohler, in Hay, Mohler, Roth, Schmidt & Boudreaux, 1967 - fossil)

Cyclolithus Kamptner ex Deflandre, 1962
= *Cyclolithella* Loeblich Jr. & Tappan, 1963

Hayaster Bukry, 1973 (TM) *H. perplexus* (Bramlette & Riedel) Bukry, 1973 - W Pacific)

Neosphaera Lecal-Schlauder, 1950 (TM) *N. coccolithomorpha* Lecal-Schlauder, 1950 - N Africa)

Oolithotus Reinhardt, in Cohen & Reinhardt, 1968
= *Cyclococcolithina* Wilcoxon, 1970

O. fragilis (Lohmann) Reinhardt, 1972 (TM)
= *Cyclococcolithus fragilis* (Lohmann) Deflandre, in Deflandre & Fert, 1954
Parke & Dixon, 1976 area

Umbilicosphaera Lohmann, 1902 (TM) *U. sibogae* (Weber Van Bosse) Gaarder, 1970)
= *Cycloplacolithus* Kamptner, 1963

Helicosphaeraeae Black, 1971, emend. Jafar & Martini, 1975

Helicosphaera Kamptner, 1954
= *Coccolithophora* Lohmann, 1902 (p.p.)
= *Coccosphaera* Wallich, 1877 (p.p.)
= *Helicopontosphaera* Hay & Mohler, in Hay, Mohler, Roth, Schmidt & Boudreaux, 1967

H. carteri (Wallich, 1877) Kamptner, 1954 (TM)
Parke & Dixon, 1976 area

Hymenomonadaceae Senn, in Engler & Prant, 1900, emend. Gayral, 1989

Hymenomonas von Stein, 1878

H. roseola von Stein, 1878 (TM)
= *H. coccolithophora* Massart & Conrad, in Conrad, 1926
= *H. danubiensis* Kamptner, 1928
= *H. flava* Stokes, 1888
= *H. scherffelii* Conrad, 1928
* Fresh water species.
Finland (brackish water), Parke & Dixon, 1976 area

H. globosa (Magne, 1954) Gayral & Fresnel, 1976
= *Pontosphaera globosa* Magne, 1954
Engl. Channel

H. lacuna Pienaar, 1976
Normandie

H. coronata Mills, 1975
Texas coast

Ochrosphaera Schussnig, 1930

O. neapolitana Schussnig, 1930 (TM)
= *O. verrucosa* Schussnig, 1930
Engl. Channel, W France, Mediterranean, Parke & Dixon, 1976 area

Papposphaeraeae Jordan & Young, 1990
= Deflandriaceae Black, emend. Norris, 1983

Papposphaera Tangen, 1972
= *Turrisphaera* Manton, Sutherland & Oates, 1976 (p.p.) (holococcolith-bearing phase)

P. borealis Manton, Sutherland & Oates, 1976
= *Turrisphaera borealis* Manton, Sutherland & Oates, 1976 (TM of *Turrisphaera* Manton, Sutherland & Oates, 1976)
S Norway, W Greenland

P. arctica Manton, Sutherland & Oates, 1976
= *Turrisphaera arctica* Manton, Sutherland & Oates, 1976
W Baltic, Belt Sea, SW & central Kattegatt, W Greenland

P. lepida Tangen, 1972 (TM)
Øresund, SW Kattegatt, Parke & Dixon, 1976 area

P. polybotrys (Thomsen, 1980) Thomsen, Østergaard & Hansen, 1991
= *Turrisphaera polybotrys* Thomsen, 1980
W Greenland

Pappomonas Manton & Oates, 1975
= *Turrisphaera* Manton, Sutherland & Oates, 1976 (p.p.) (holococcolith-bearing phase)

P. virgulosa Manton & Sutherland, 1975
Gulf of Finland, W Baltic, Belt Sea, Kattegatt, S Norway, E North Sea, W Greenland

P. flabellifera Manton & Oates, 1975 (TM)
W Baltic, Belt Sea, Kattegatt, S Norway, E North Sea, Greenland

Trigonaspis Thomsen, 1980

T. minutissima Thomsen, 1980
Belt Sea, SW, N & E Kattegatt, S Norway, W Greenland

T. discoensis Thomsen, 1980
SW & E Kattegatt, W Greenland

Pleurochrysidaceae Gayral, 1989

Pleurochrysis Pringsheim, 1955, emend. Gayral & Fresnel, 1983
= *Cricosphaera* Braarud, 1960 (p.p.)

P. scherffelii Pringsheim, 1955 (TM)
= *Hymenomonas pringsheimii* Parke & Green, in Parke & Dixon, 1976
non = *Hymenomonas scherffelii* Conrad, 1928
Parke & Dixon, 1976 area

P. carterae (Braarud & Fagerland, 1946) Christensen, 1978
= *Syracosphaera carterae* Braarud & Fagerland, 1946
= *Cricosphaera carterae* (Braarud & Fagerland, 1946) Braarud, 1960
= *Hymenomonas carterae* (Braarud & Fagerland, 1946) Braarud, 1954
= *Syracosphaera brandtii* : Carter, 1937
Gulf of Finland, S & W Baltic, Øresund, Belt Sea, Kattegatt, Oslofjord, S, W & N Norway, Engl. Channel

P. gayraliae (Beuffe, 1978) Jordan, Kleijne & Heimdal, 1993
= *Cricosphaera gayraliae* Beuffe, 1978
Isle of Man

P. pseudoroscoffensis Gayral & Fresnel, 1983
Calvados

P. placolithoides Gayral, 1989
Belle-Ile-en-Mer (Atlantic France)

P. roscoffensis (Dangeard, 1934) Gayral, 1989
= *Syracosphaera roscoffensis* Dangeard, 1934
= *Pontosphaera roscoffensis* Chadeffaud & Feldmann, 1949
= *Syracolithus roscoffensis* (Dangeard, 1934) Magne, 1954
= *Cricosphaera roscoffensis* (Dangeard, 1934) Gayral & Fresnel, 1976
= *Cricosphaera roscoffensis* var. *haptoneofera* Inouye & Chihara, 1979
= *Cricosphaera haptoneofera* (Inouye & Chihara, 1979) Gayral & Fresnel, 1983
= *Hymenomonas roscoffensis* (Chadeffaud & Feldmann, 1949) Lecal, in Parke & Dixon, 1976
* occasionally forming brown coatings over fine sand. Cells may attach to *Cladophora* Roscoff

P. elongata (Droop, 1955) Jordan, Kleijne & Heimdal, 1993
= *Cricosphaera elongata* (Droop) Braarud, 1960 (TM)
= *Syracosphaera elongata* Droop, 1955
= *Hymenomonas elongata* (Droop) Parke & Green, in Parke & Dixon, 1976
Parke & Dixon, 1976 area

P. sp.
= *Cricosphaera* sp. : Gayral, 1989
= *Coccolithus pelagicus* : Auctt., non (Wallich)
?

Pontosphaeraeae Lemmermann, in Brandt & Apstein, 1909

Pontosphaera Lohmann, emend. Burns, 1973
= *Discolithina* Loeblich Jr. & Tappan, 1963 (TM) *D. viginifera* (Kamptner, ex Deflandre) Loeblich Jr. & Tappan, 1963)
* Only 3 species recognized by Chrétiennot-Dinet, 1990. Which?

- P. syracusana* Lohmann, 1902 (TM)
Parke & Dixon, 1976 area
- P. borealis* Ostenfeld
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- P. haeckelii* Lohmann, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- P. nana* Kamptner, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- P. pellucida* Lohmann, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- P. variabilis* Halldal & Markali, 1955
* Not mentioned in Jordan & Green, 1994
Northernmost part of Parke & Dixon, 1976 area
- P. discopora* Schiller, 1925
Adriatic
- P. turgida* Müller, in Müller, Blanc-Vernet, Chamley & Froget, 1974
Mediterranean
- Lohmannosphaera* Schiller, 1913 (TM *L. adriatica* Schiller, 1913)
* Genus of uncertain affinity, possibly = *Scyphosphaera* Lohmann, 1902, although one species was transferred tentatively to the prasinophyte genus *Pterosperma*.
- Scyphosphaera* Lohmann, 1902
- S. apsteinii* Lohmann, 1902 (TM)
off Bergen, Parke & Dixon, 1976 area
- Rhabdosphaeraceae Haeckel, 1894
- Rhabdosphaera* Haeckel, 1894
= *Aspidorhabdus* Hay & Towle, 1962
- R. clavigera* Murray & Blackman, 1898 (TM)
Parke & Dixon, 1976 area
- R. clavigera* var. *stylifera* (Lohmann, 19??) Kleijne & Jordan, 1990
Parke & Dixon, 1976 area
- R. hispida* Lohmann, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- R. longistylis* Schiller, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- Palusphaera* Lecal, 1965, emend. Norris, 1984 (TM *P. vandellii* Lecal, 1965, emend. Norris, 1984 - Indian Oc.)
- Discosphaera* Haeckel, 1894 (TM *D. thomsoni* Ostenfeld, 1900)
- D. tubifera* (Murray & Blackman, 1898) Ostenfeld, 1900
= *Rhabdosphaera tubifera* Murray & Blackman, 1898
off Poland, Parke & Dixon, 1976 area
- Acanthoica* Lohmann, 1903, emend. Schiller, 1913, emend. Kleijne, 1992 (TM *A. coronata* Lohmann, 1902)
- A. acanthifera* Lohmann ex Lohmann, 1913
Bergen, Parke & Dixon, 1976 area, Gulf Stream, Sargasso Sea, Bermuda, Adriatic
- A. biscayensis* Kleijne, 1992
Biscay
- A. janchenii* Schiller, 1925
Adriatic
- A. maxima* Heimdal, in Heimdal & Gaarder, 1981
N Atlantic
- A. quattrosipina* Lohmann, 1903
Belt Sea, Kattegatt, Limfjorden, Oslofjord
- Algirosphaera* Schlauder, 1945 emend. Norris, 1984
- A. oryza* Schlauder, 1945 (TM)
S Mediterranean
- Anacanthoica* Deflandre, 1952 (TM *A. acanthos* (Schiller) Deflandre, 1952)
- A. cidaris* (Schlauder) Kleijne, 1992
Mediterranean
- Cyrtosphaera* Kleijne, 1992
- C. aculeata* (Kamptner) Kleijne, 1992
= *Acanthoica aculeata* Kamptner, 19??
Parke & Dixon, 1976 area
- C. cucullata* (Lecal-Schlauder) Kleijne, 1992
Mediterranean
- C. lecaliae* Kleijne, 1992
Mediterranean
- Anthosphaera* Kamptner, 1936
* The species in this genus should be transferred to either *Calyptrolithina* Heimdal, 1982 or *Algirosphaera* Schlauder, according to Chrétiennot-Dinet, 1990
- A. quadricornu* (Schiller, 1925) Halldal & Markali, 1955
= *Syracosphaera quadricornu* Schiller, 1925
Bergen, Parke & Dixon, 1976 area, Adriatic, Gulf Stream
- A. robusta* (Lohmann) Kamptner, 19
Parke & Dixon, 1976 area
- Syracosphaeraceae (Lohmann) Lemmermann, 2003
= Deutschlandiaceae Kamptner, 1928
= Halopappaceae Kamptner, 1928
- Alisphaera* Heimdal, 1973 emend. Jordan & Chamberlain, 1993 (TM *A. ordinata* (Kamptner) Heimdal, 1973)
- A. capulata* Heimdal, in Heimdal & Gaarder, 1981
NE Atlantic
- Alveosphaera* Jordan & Young, 1990 (TM *A. bimurata* (Okada & McIntyre) Jordan & Young, 1990)
- Calciopappus* Gaarder & Ramsfjell, 1954, emend. Manton & Oates, 1985
- C. caudatus* Gaarder & Ramsfjell, 1954 (TM)
W Baltic, Belt Sea, SW Kattegatt
- C. rigidus* Heimdal, in Heimdal & Gaarder, 1981
NE Atlantic
- Canistrolithus* Jordan & Chamberlain, 1993 (TM *C. valliformis* Jordan & Chamberlain, 1993)
- Coronosphaera* Gaarder, in Gaarder & Heimdal, 1977
- C. mediterranea* (Lohmann) Gaarder, in Gaarder & Heimdal, 1977 (TM)
= *Syracosphaera mediterranea* Lohmann, 19
= *Syracosphaera pulchroides*
= *Syracosphaera tuberculata*
N Kattegatt, Oslofjord, Parke & Dixon, 1976 area
- Gaarderia* Kleijne, 1993 (TM *G. corolla* (Lecal) Kleijne, 1993)
- Halopappus* Lohmann, 1912 (TM *H. vahselii* Lohmann, 1912)
* Not re-found since description and possibly a synonym of *Michaelsarsia* Gran according to Jordan & Green, 1994
- Michaelsarsia* Gran, in Murray & Hjort, 1912, emend. Manton, Bremer & Oates, 1984
- M. adriaticus* (Schiller) Manton, Bremer & Oates, 1984
= *Halopappus adriaticus* Schiller, 19??
Adriatic
- M. elegans* Gran, in Murray & Hjort, 1912 (TM) emend. Manton, Bremer & Oates, 1984
Parke & Dixon, 1976 area
- M. falklandica* Lohmann
* Not mentioned in Jordan & Green, 1994
Northernmost part of Parke & Dixon, 1976 area
- Ophiaster* Gran, emend. Manton & Oates, 1983
= *Bernardosphaera* Lecal-Schlauder, 1951
= *Lacrymasphaera* Lecal, 1966
- O. hydroideus* (Lohmann, 1903) Lohmann, 1913 (TM), emend. Manton & Oates, 1983
= *Meringosphaera hydroidea* Lohmann, 1903
Oslofjord, S Norway, N Atlantic, Mediterranean
- O. formosus* Gran, in Murray & Hjorth, 1912 sensu Gaarder, emend. Manton & Oates, 1983
?
- Najadea* Schiller, 1913 (*N. gloriosa* Schiller, 1913 - Adriatic)
* Genus of uncertain affinity according to Jordan & Green, 1994
- Syracosphaera* Lohmann, emend. Gaarder, in Gaarder & Heimdal, 1977
= *Deutschlandia* Lohmann, 1912, emend. Gaarder, in Heimdal & Gaarder, 1981
= *Syracorbhdus* Lecal & Bernheim, 1960
= *Caneosphaera* Gaarder, in Gaarder & Heimdal, 1977
- S. anthos* (Lohmann, 1912) Janin, 1987
= *Deutschlandia anthos* Lohmann, emend. Gaarder, in Heimdal & Gaarder, 1981 (TM)
Faeroe-Shetland area, Parke & Dixon, 1976 area
- S. halldalii* Gaarder ex Jordan & Green, 1994
Norw. Sea
- S. histrica* Kamptner, 1941
NE Mediterranean
- S. molischii* Schiller, 1925
Parke & Dixon, 1976 area
- S. nodosa* Kamptner, 1941
Parke & Dixon, 1976 area, NE Mediterranean
- S. pulchra* Lohmann, 1902 (TM)
Parke & Dixon, 1976 area
- S. binodata* (Kamptner) Kamptner, 19
* Not mentioned in Jordan & Green, 1994
Oslofjord, Faeroe-Shetland area, Parke & Dixon, 1976 area
- S. dentata* Lohmann, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- S. spinosa* Lohmann, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- S. subsalsa* (Conrad) Kamptner, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- S. tenuis* Lohmann, 19
* Not mentioned in Jordan & Green, 1994
Parke & Dixon, 1976 area
- Tetralithoides* Theodoridis, 1984, emend. Jordan, Kleijne & Heimdal, 1993
- Umbellosphaera* Paasche, in Markali & Paasche, 1955, emend. Gaarder, in Heimdal & Gaarder, 1981 (TM)
tenuis (Kamptner) Paasche, in Markali & Pasche, 1955)
- Calyptrosphaeraceae Boudreaux & Hay, 1969
- Anthosphaera* Kamptner, emend. Kleijne, 1991 (TM *A. fragaria* Kamptner, emend. Kleijne, 1991)
- Calicasphaera* Kleijne, 1991
- Calyptrolithina* Heimdal, 1982
= *Cavosphaera* Lecal & Bernheim, 1960
= *Corisphaera* Kamptner, 1936 (p.p.)
- C. divergens* (Halldal & Markali, 1955) Heimdal, 1982 (TM)
= *Zygosphaera divergens* Halldal & Markali, 1955
Parke & Dixon, 1976 area
- C. wettsteinii* (Kamptner) Kleijne, 1991
= *Homozygosphaera wettsteinii* (Kamptner) Halldal & Markali, 1955
Faeroe-Shetland area, Parke & Dixon, 1976 area
- Calyptrolithophora* Heimdal, in Heimdal & Gaarder, 1980
= *Corisphaera* Kamptner, 1936 (p.p.)

- C. gracillima* (Kamptner) Heimdal, in Heimdal & Gaarder, 1980
NE Atlantic
- C. hasleana* (Gaarder) Heimdal, in Heimdal & Gaarder, 1980
NE Atlantic
- C. papillifera* (Halldal) Heimdal, in Heimdal & Gaarder, 1980 (TM)
= *Sphaerocalyptra papillifera* (Halldal) Halldal
Parke & Dixon, 1976 area
- Calyptrorphaera* Lohmann, 1902 (TM *C. globosa* Lohmann, 1902)
- C. cialdii* Borsetti & Cati, 1976
Mediterranean
- C. oblonga* Lohmann, 1902
Parke & Dixon, 1976 area
- C. sphaeroidea* Schiller, 1913
Parke & Dixon, 1976 area
- C. sp.*: Edler, Hällfors & Niemi, 1984
Kattegatt - Belt Sea area
- Corisphaera* Kamptner, 1937
- C. gracilis* Kamptner, 1937 (TM)
Mediterranean
- C. strigalis* Gaarder, 1962
South part of Parke & Dixon, 1976 area
- C. tyrreniensis* Kleijne, 1991
Mediterranean
- Daktylethra* Gartner, in Gartner & Bukry, 1969 (TM *D. punctulata* Gartner, in Gartner & Bukry, 1969 - fossil)
- Flosculosphaera* Jordan & Kleijne, in Kleijne, Jordan & Chamberlain, 1991
- F. calceolariopsis* Jordan & Kleijne, in Kleijne, Jordan & Chamberlain, 1991 (TM)
NE Atlantic
- F. sacculus* Kleijne & Jordan, in Kleijne, Jordan & Chamberlain, 1991
NE Atlantic
- Gliscolithus* Norris, 1985 (TM *G. amitakareniae* Norris, 1985 - Indian Ocean)
- Helladosphaera* Kamptner, 1937
= *Corisphaera* Kamptner, 1936 (p.p.)
- H. cornifera* (Schiller) Kamptner, 1937 (TM)
Parke & Dixon, 1976 area
- Homozygosphaera* Deflandre, 1952 (TM *H. spinosa* (Kamptner) Deflandre, 1952)
= *Corisphaera* Kamptner, 1936 (p.p.)
- H. triarcha* Halldal & Markali, 1955
?N Atlantic
- H. vavilovii* Borsetti & Cati, 1976
Mediterranean
- H. versellii* Borsetti & Cati, 1979
Mediterranean
- Periphyllophora* Kamptner, 1937 (TM *P. mirabilis* (Schiller) Kamptner, 1937)
- Poricalyptra* Kleijne, 1991
- P. gaarderae* (Borsetti & Cati) Kleijne, 1991
Mediterranean
- P. isselii* (Borsetti & Cati) Kleijne, 1991
Mediterranean
- P. magnaghii* (Borsetti & Cati) Kleijne, 1991
Mediterranean
- Poritectolithus* Kleijne, 1991
- Sphaerocalyptra* Deflandre, in Grassé, 1952 (TM *S. quadridentata* (Schiller) Deflandre, 1952)
= *Corisphaera* Kamptner, 1936 (p.p.)
- Syracolithus* (Kamptner) Deflandre, 1952 (TM *S. dalmaticus* (Kamptner) Loeblich Jr. & Tappan, 1963)
- S. corolla* Lecal, 19
* Not mentioned in Jordan & Green, 1994
Faeroe-Shetland area, Parke & Dixon, 1976 area
- S. quadriperforatus* (Kamptner) Gaarder, in Heimdal & Gaarder, 1980
= *Homozygosphaera quadriperforata* (Kamptner) Gaarder
Parke & Dixon, 1976 area
- Zygosphaera* Kamptner, 1937, emend. Heimdal, 1982
- Z. amoena* Kamptner, 1937
Mediterranean
- Z. hannockii* (Borsetti & Cati) Heimdal, 1982
Mediterranean
- Z. hellenica* Kamptner, 1937 (TM)
Mediterranean
- Z. marsilii* (Borsetti & Cati) Heimdal, 1982
Mediterranean
- Quaternariella* Thomsen, 1980
* Genus of unknown taxonomic affiliation according to Jordan & Green, 1994
- Q. obscura* Thomsen, 1980 (TM)
W Greenland
- Balaniger* Thomsen & Oates, 1978
* Genus of unknown taxonomic affiliation according to Jordan & Green, 1994
- B. balticus* Thomsen & Oates, 1978 (TM)
Gulf of Finland, Tvärminne, W Baltic, Belt Sea, Öresund, S & E Kattegatt, Greenland
- COCCOLITHOPHORALES "incertae sedis"
- Calciarcus* Manton, Sutherland & Oates, 1977 (TM *C. alaskensis* Manton, Sutherland & Oates, 1977 - S Alaska)
- Florisphaera* Okada & Honjo, 1973 (TM *F. profunda* Okada & Honjo, 1973)
- Gladiolithus* Jordan & Chamberlain, 1993 (TM *G. flabellatus* (Halldal & Markali, 1955) Jordan & Chamberlain, 1993)
- Jomonolithus* Inouye & Chihara, 1983 (TM *J. littoralis* Inouye & Chihara, 1983 - NW Pacific)
- Polycrater* Manton & Oates, 1980 (TM *P. galapagensis* Manton & Oates, 1980 - Galapagos)
- Thorosphaera* Ostenfeld, 1910 (TM *T. elegans* Ostenfeld, 1910)
* According to Jordan & Green, 1994 is this a genus of uncertain affinity, possibly *Scyphosphaera*?
Lohmann, 1902.
- Turrillithus* Jordan, Knapperetbusch, Simpson & Chamberlain, 1991 (TM *T. latericioides* Jordan, Knapperetbusch, Simpson & Chamberlain, 1991)
- Vexillarius* Jordan & Chamberlain, 1993 (TM *V. cancellifer* Jordan & Chamberlain, 1993)
- Wigwamma* Manton, Sutherland & Oates, 1977
- W. arctica* Manton, Sutherland & Oates, 1977 (TM)
E & N Kattegatt, W Greenland
- W. scenozonion* Thomsen, 1980
N Kattegatt
- Rhabdothorax* Kamptner ex Gaarder, in Gaarder & Heimdal, 1973
* Not included in Chrétiennot-Dinet, 1990. According to Jordan & Green, 1994 is this genus not longer affiliated to Haptophyta, but possibly a member of the Dinophyta.
- R. regalis* (Gaarder) Gaarder, 19
Parke & Dixon, 1976 area
- VOLVOCIDA Francé, 1894
= VOLVOCALLES Oltmans, 1904
* All Pankow, 1990 included.
- ?SUBORDER?
- Planktocooccus* Korschikov, 1???
- P. sphaerocystiformis* Korschikov, 1???
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland
- Planktosphaeria* G.M. Smith, 1???
- P. gelatinosa* G.M. Smith, 1???
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland
- CHLOROCOCCIDINA
- Coccomyxaceae
- Gloeocystis* Nägeli, 1???
- G. planctonica* (W. & G.S. West, 18??) Lemmermann, 19??
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland
- Sphaerocystis* Chodat, 1???, emend. Korschikov, 1???
non = *Sphaerocystis* Léger, 1892 (Apicomplexa)
- S. schroeteri* Chodat, 1???
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Bothnian Bay, Bothnian Sea
- POLYBLEPHAERIDINA
- Polyblepharidae G.S. West, 1916
- Dunaliella* Teodoresco, 1905
- D. salina* (Dunal, 1838)
= *Haematococcus salinus* Dunal, 1838 (TM)
S France saline water
- D. marina* ??, 1???
?Oresund
- Ulochloris* Pascher, 1916
- U. oscillans* Pascher, 1916 (TM)
?
- CHLAMYDOMONADINA
= CHLAMYDOMONADACEAE G.M. Smith, 1920
- Haematococcaceae
- Haematococcus* Agardh, 18??
* 5 sp., which may occur in fresh water or in small saline rockpools
- H. droebakiensis* ??, 1???
Oslofjord
- Chlamydomonadaceae
- Chlamydomonas* Ehrenberg, 1837
- C. reginae* Ettl & Green, 1973
* sand-living.
Bretagne
- C. marina* Cohn, 1???
* Cold water species. Requires taxonomic reinvestigation.
Riga Bay
- C. sp.*: Edler, Hällfors & Niemi, 1984
Gulf of Finland, Archipelago Sea, ?Kattegatt
- Brachiomonas* Bohlin, 1897
- B. submarina* Bohlin, 1897
Gulf of Finland, Kattegatt, Oslofjord, S Norway, Bergen, Ålesund, Trondheim, Tromsø, Briain & Europe
brackish water
- B. simplex* Hazen, 1922
Oslofjord (rock pool), Ålesund, Britain brackish water
- Scherffelia* Pascher

Carteriaceae*Carteria* Diesing, 1866, emend. Francé, 1896*C. marina* Wulff, 1916
BalticPhacotaceae*Pteromonas* Seligo,

SPONDYLOMORINA

* No marine species?

VOLVOCINA

= VOLVOACEAE (Ehrenberg, 1838) Kirchner, 1878

Volvocidae Pavillard, in Grassé, 1952
= Volvocaceae*Volvox* Linnaeus, 1758, emend. Ehrenberg, 1830*V. aureus* Ehrenberg, 1830
Baltic*V. tertius* Meyer, 1896
German Baltic*Gonium* O.F. Müller, 1773*G. sociale* (Dujardin, 1841) Warming, 1876
= *Tetramonas socialis* Dujardin, 1841
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Gdansk, German Baltic*G. pectorale* O.F. Müller, 1773 (TM)
* Freshwater species, which does not tolerate the full salinity of the area.
Gdansk, German Baltic*Pandorina* Bory, 1824, emend. Ehrenberg, 1830*P. morum* (O.F. Müller, 1773) Bory, 1824
= *Volvox morum* O.F. Müller, 1773 (TM)
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Gdansk*Eudorina* Ehrenberg, 1832*E. elegans* Ehrenberg, 1832 (TM)
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland, Gdansk*E. unicocca* G.M. Smith, 1931
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland*Pleodorina* Shaw, 1894*P. californica* Shaw, 1894 (TM)
Banyuls-sur-mer, California*Volvulina*
* Marine?Astrephomonaceae
* Marine?Pyrobotryaceae
* Marine?EUSTIGMATOMONADIDA
= EUSTIGMATALES Hibberd, 1981Monopsidaceae Hibberd, 1981*Nannochloropsis* Hibberd, 1981 (TM *N. oculata* (Droop) Hibberd, 1981)*N. sp.* : Edler, Hällfors & Niemi, 1984
Gulf of FinlandPRASINOMONADIDA
= PRASINOPHYCEAE Christensen, 1962, sensu Moestrup & Thronsen, 1988 + LOXOPHYCEAE
Christensen, 1962
* All Pankow, 1990 includedPEDINOMONADALES Ettl, 1980
* This taxon is only recognized as "Chlorophytes "incertae sedis"" by Chrétiennot-Dinet, 1990. Moestrup, 1991 described the new classis PEDINOPHYCEAE for species without scales, thus giving these species the same rank as the scale-bearing PRASINOPHYCEAEPedinomonadaceae Korschikov, 1938*Micromonas* Manton & Parke, 1960, non Borrel, 1902 (Flagellata incertae sedis)*M. pusilla* (Butcher, 1952) Manton & Parke, 1960 (TM)
= *Chromulina pusilla* Butcher, 1952
Gulf of Finland, S Baltic, Öresund, Belt Sea, Kattegatt, Oslofjord, S, W & N Norway, North Sea, Britain, Biscay*Pedinomonas* Korschikov, 1923 (TM *P. minor* Korschikov, 1923)*P. minutissima* Skuja, 1956
Oslofjord, Fresh water*P. sp.* : Edler, Hällfors & Niemi, 1984
Gulf of Finland*Resultor* Moestrup, 1991*R. mikron* (Thronsen, 1969) Moestrup, 1991
= *Pedinomonas mikron* Thronsen, 1969
Baltic (at >6 ppt S), Kattegatt, Oslofjord, Japan, AustraliaMAMIELLALES Moestrup, 1984Mamiellaceae Moestrup, 1984*Mantiella* Desikachary, 1972*M. squamata* (Manton & Parke, 1960) Desikachary, 1972 (TM)
= *Micromonas squamata* Manton & Parke, 1960

Gulf of Finland, central, S & W Baltic, Öresund, Belt Sea, Kattegatt, E North Sea, Oslofjord, Bergen, British estuaries, more or less cosmopolitan

Mamiella Moestrup, 1984*M. gilva* (Parke & Rayns, 1964) Moestrup, 1984
= *Nephroselmis gilva* Parke & Rayns, 1964
Kattegatt, Oslofjord, Bergen, Plymouth, Thailand*Dolichomastix* Manton, 1977*D. lepidota* Manton, 1977
Kattegatt, Mediterranean, South Africa*D. nummulifera* Manton, 1977 (TM)
Isefjorden, S Kattegatt, Frederikshavn, Arctic Canada, Alaska, South AfricaCHLORODENDRALES Fritsch, 1918, emend. Moestrup & Thronsen, 1988
= PYRAMIMONADALES Chadeaud, 1950
= HALOSPHERALES Christensen, 1962 (n. nud.)
= TETRASELMIDALES Ettl, 1982 (n. nud.)Halospaeraceae Haeckel, 1894, emend. Moestrup & Thronsen, 1988*Pachysphaera* Ostenfeld, in Knudsen & Ostenfeld, 1899*P. pelagica* Ostenfeld, in Knudsen & Ostenfeld, 1899 (TM)
Gdansk*P. sp.* : Edler, Hällfors & Niemi, 1984
Gulf of Finland*Halosphaera* Schmitz, 1879*H. viridis* Schmitz, 1879 (TM - Mediterranean)
? = *Cryptomonas pelagica* Lohmann, 1903 (motile phase)
Central & W Baltic, Öresund, Kattegatt, Bohuslän, ?Oslofjord, Plymouth, Biscay, Mediterranean*H. minor* Ostenfeld, 1899
?W Baltic, Engl. Channel, Biscay, Mediterranean*H. russellii* Parke, in Parke & den Hartog-Adams, 1965
SW Britain, Biscay*Collodictyon* Carter, 1865
* Genus incertae sedis. Classification very tentative.*C. triculatum* Carter, 1865?
Plymouth*Cymbomonas* Schiller, 1913 (TM *C. tetramitiformis* Schiller, 1913 - Mediterranean)
= *Schillerionomonas* Iyengar & Desikachary, 1976*C. tetramitiformis* Schiller, 1913
Isefjorden, Frederikshavn, Mediterranean, Japan, Australia*Pterosperma* Pouchet, 1893 (TM *P. rotundum* Pouchet, 1893)
= *Coccolithum* Silva, 19
= *Cysta* Cleve,
= *Cymatosphaera* O. Wetzel,
= *Pterococcus* Lohmann, 19
= *Pterocystis* Lohmann, 19
= *Pterospermella* Eisenach,
= *Pterospermopsis* W. Wetzel,
= *Pterosphaera* (Jørgensen) Lohmann, 19*P. cristatum* Schiller, 1926
Gulf of Finland, Belt Sea, S Kattegatt, Limfjorden, Skagerrak, Oslofjord, E North Sea*P. cuboides* Gaarder, 1954
Oslofjord*P. moebii* (Jørgensen) Ostenfeld, 19
Skagerrak, Oslofjord*P. vanhoeffenii* (Jørgensen) Ostenfeld, in Knudsen & Ostenfeld, 1899?
N Kattegatt, Skagerrak, Oslofjord, E North Sea*P. dictyon* (Jørgensen) Ostenfeld, in Ostenfeld & Schmidt, 19
Skagerrak*Pyramimonas* Schmarla, 1850 (TM *P. tetrahychnus* Schmarla, 1849 - fresh water)
= *Pyramidomonas* von Stein, 18*P. (Trichocystis* ??,1???) *grossii* Parke, 1949
W Baltic, Kattegatt, Limfjorden, Oslofjord, S Norway, Bergen, Tromsø, Bjørnøya, E North Sea, Plymouth, Mediterranean, Arctic, Japan, Australia*P. (Trichocystis* ??,1???) *cirolanae* Pennick, 1982
Kattegatt, Norfolk, Norw. Sea, Greenland, Australia*P. (Trichocystis* ??,1???) *nansenii* Braarud, 1935
Isefjorden, E Greenland, Arctic Canada*P. (Vestigifera* ??,1???) *orientalis* Butcher, 1959
Bothnian Sea, Gulf of Finland, N & W Baltic, Öresund, Kattegatt, ?Oslofjord, S, W & N Norway, E North Sea, Mediterranean, W North America, Greenland, Australia*P. (Vestigifera* ??,1???) *mantoniae* Moestrup & Hill, 1992
Isefjorden, Australia, South Africa*P. (Vestigifera* ??,1???) *norrisii* Sym & Pienaar, 1991
Isefjorden, Kattegatt, South Africa*P. (Vestigifera* ??,1???) *disomata* Butcher, 1959
S Kattegatt, Oslofjord, S Norway, Bergen, Tromsø, Essex, Norfolk, Scotland, W North America, Japan, Australia*P. plurioculata* Butcher, 1959
* Probably identical with *P. disomata* Butcher.
Oslofjord, Tromsø, Plymouth*P. (Vestigifera* ??,1???) *cordata* McFadden, Hill & Weatherbee, 1986
S Kattegatt, South Africa, Australia*P. (Tetrahychnus* ??,1???) *longicauda* van Meel, 1969
= *Pyramimonas ostendensis* van Meel, 19??
Kattegatt, Belgium, Japan, Australia*P. (Tetrahychnus* ??,1???) *octopus* Moestrup & Aa. Kristiansen, 19??
Öresund, Kattegatt, Vadehavet*P. (Tetrahychnus* ??,1???) *propulsa* Moestrup & Hill, 1991

Limfjorden, England, France, Italy, South Africa, Australia, Japan

P. (Virginica) ??,1??? *virginica* Pennik,1977
N Baltic, ?Isefjorden, Virginia, W Greenland, Australia, New Zealand

P. obovata Carter,19
Kattegatt, Limfjorden

P. octociliata N. Carter,19??
Plymouth

Chlorodendraceae Oltmanns,1904, emend. Moestrup & Thronsen,1988
= **Tetraselmidaceae** Christensen,1962 (n. nud.)
= **Prasinocladaceae** Ettl,1966

Tetraselmis von Stein,1878
= *Prasinocladus* Kuckuck,1894
= *Platymonas* G.S. West,1916?
= *Aulacochlamys* Margalef,19
= *Pyramichlamys* H. & O. Ettl,19 (p.p.)

T. marina (Cienkowski,1881) Norris, Hori & Chihara,1980
= *Chlorangium marinum* Cienkowski,1881
= *Prasinocladus marinus* (Cienkowski,1881) Waern,1952
= *Prasinocladus lubricus*
* This may, as the only marine species, belong in *Prasinocladus* Kuckuck, if that genus will be reestablished by Moestrup & Thronsen (in prep.)
Baltic S of Oresund

T. cordiformis (Carter,1859) von Stein,1878 (TM)
= *Cryptoglena cordiformis* Carter,1859
= *Carteria cordiformis* (Carter,1859) Diehl,1896
= *Platymonas tetrathale* G.S. West,1916?
Gdansk, ?N Kattegatt, ?Bergen

T. suecica (Kylin,1935) Butcher,1959
= *Platymonas suecica* Kylin,1935
Belt Sea

T. gracilis (Kylin,1935)
= *Platymonas gracilis* Kylin,1935
W Sweden, Oslofjord, Engl. Channel

T. rubens Butcher,1959
Oslofjord, Norfolk

T. convolutae (Parke & Manton,1967) Norris, Hori & Chihara,1980
= *Platymonas convolutae* Parke & Manton,1967
@ *Convoluta roscoffensis* Graff
?N Kattegatt, NW France, ?S Wales

T. carteriiformis Butcher,1959
Britain

T. chui Butcher,1959
Britain

T. roscoffensis (Dangeard,1931)
= *Platymonas roscoffensis* Dangeard,1931
Roscoff

T. contracta (N. Carter,1937) Butcher,19??
= *Platymonas contracta* N. Carter,1937
Limfjorden, Isle of Wight, Essex

Pseudoscourfieldia Manton,1975

P. marina (Thronsen,1969) Manton,1975 (TM)
= *Scourfieldia marina* Thronsen,1969
Gulf of Finland, Belt Sea, Kattegatt, Oslofjord, S Norway, Bergen, South Africa, Australia

Nephroselmis von Stein,1878
= *Heteromastix* Korschikov,1923
= *Anisomonas* Butcher,19
= *Bipedinomonas* Carter,19
= *Sennia* Pascher,19 (p.p.)

N. olivacea von Stein,1878, emend. Moestrup & Ettl,19?? (TM)
= *Heteromastix angulata* Korschikov,1923 (TM of *Heteromastix* Korschikov,1923)
= *Nephroselmis angulata* (Korschikov,1923) Skuja,19??
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

N. pyriformis (N. Carter,1937) Ettl,19??
= *Bipedinomonas pyriformis* Carter,1937
= *Heteromastix pyriformis* (Carter,1937) Manton, in Parke & Dixon,1964
= *Nephroselmis longifilis* (Butcher,1959) Norris,19??
= *Heteromastix longifilis* (Butcher,1959) Rayns,19??
Baltic, Kattegatt, Oslofjord, S, W & N Norway, Engl. Channel, Massachusetts

N. rotunda (N. Carter,1937) Fott,19??
= *Heteromastix rotundata* (N. Carter,1937) Manton,19??
N Kattegatt, Bergen, Isle of Wight, Plymouth, Australia

N. minuta (N. Carter,1937) Butcher,19??
= *Heteromastix minuta* N. Carter,1937
Baltic, N Kattegatt, Isle of Wight

Chlorodendrales unknown family

Asteromonas Artari,1926

A. gracilis Artari,1926
S Kattegatt, Germany

SILICOFLAGELLIDA Borgert,1891
= **DICTYOCHELES** Haeckel,1894
* All Pankow,1990 included.

Dictyochaceae Lemmermann,1901 = **Dictyochidae**

Dictyocha Ehrenberg,1837
= *Distephanus* Stöhr,1880
= *Octactis* Schiller,19
= *Cannopilus* Haeckel,18

D. speculum Ehrenberg,1837
* Perhaps toxic to fish.
All Baltic, Oresund, Kattegatt, Skagerrak, Oslofjord, E North Sea, Plymouth

D. fibula Ehrenberg,1837
Liverpool Bay

EUGLENOZOA Cavalier-Smith,1981

EUGLENIDA Bütschli,1884
= **EUGLENOPHYCEAE** Schoenichen,1925 = **EUGLENALES** Engler,1898
* Pankow,1990 totally included

Calkinsia Lackey,1960
* Which suborder?

C. aereus Lackey,1960 (TM)
* Sediment-living marine species.
?

Dolium Larsen & Patterson,1990
* Which suborder? Only recorded from marine tropical sediments.

Gyropaigne Skuja,1939
* Which suborder? Only freshwater. Few species.

EUTREPTIINA Leedale,1967
= **EUTREPTIACEAE** Hollande,1942

Eutreptiella da Cunha,1914 (TM *E. marina* da Cunha,1914)
= *Gymnastica* Schiller,19

E. gymnastica Thronsen,1969
Gulf of Finland, Limfjorden, S Kattegatt, Oslofjord, Bergen

E. braarudii Thronsen,1969
S Kattegatt, Limfjorden, Oslofjord

E. hirudoidea Butcher,1961
Tromsø, England

E. euphryngea Walne, Moestrup, Norris & Ettl,1986
Little Belt

E. sp.: Edler, Hällfors & Niemi,1984
Gulf of Finland

Eutreptia Perty,1852

E. viridis Perty,1852 (TM)
German Baltic, Plymouth

E. lanowii Steuer,1904
Oder estuary, Arkona Sea, Belt Sea, Limfjorden, Plymouth

E. sp.: Edler, Hällfors & Niemi,1984
Gulf of Finland

Distigma Ehrenberg,1838
= *Distigmopsis* Hollande,1942 ?= *Ampullomonas* Skvortzov,1957
?= *Baranovia* Skvortzov,1957 ?= *Schewiakovia* Skvortzov,1957
* Colourless. Not mentioned by Chrétiennot-Dinet,1990. Only recorded from freshwater

EUGLENINA Bütschli,1884

Euglena Ehrenberg,1830
= **Euglenaceae** von Stein,1878-83, emend. Klebs,1883, according to Pankow,1990

E. viridis (O.F. Müller,1786) Ehrenberg,1830 (TM)
= *Cercaria viridis* O.F. Müller,1786
* Freshwater species, which does not tolerate the full salinity of the area.
* Main occurrence in eutrophied waters.
Helsinki harbour, Tvärminne, Bretagne

E. tripteris (Dujardin,1841) Klebs,1883
= *Phacus tripteris* Dujardin,1841
* Freshwater species, which does not tolerate the full salinity of the area.
German Baltic

E. oxyuris Schmarda,1850
* Freshwater species, which does not tolerate the full salinity of the area.
Gulf of Finland

E. spirogyra Ehrenberg,1830
* Freshwater species, which does not tolerate the full salinity of the area.
German Baltic

E. proxima Dangeard,1901
= *E. baltica* Schüller,1910
Kieler Bucht

E. acus Ehrenberg,1830
* Freshwater species, which does not tolerate the full salinity of the area.
German Baltic

E. reticulata Sjöstedt,1925
* Not recognizable, sensu Pringsheim,1953
W Baltic

E. deses Ehrenberg,18
E North Sea

E. fenestrata Elenkin,1???
Plymouth

E. vermiformis N. Carter,19??
Plymouth

E. obtusa Schmitz,1???
* In estuarial mud
Britain

Protoeuglena Subrahmanyan,1954
* Correct family?

P. noctilucae Subrahmanyan,1954
@ *Noctiluca scintillans*
* the Mediterranean form may be another species
Indian Ocean, ?Mediterranean

Astasia Dujardin,1841 (TM *A. limpida* Dujardin,1841 - fresh water)
?= *Acusmonas* Skvortzov,1969 ?= *Astasiella* Michajlow,1964, non Skvortzov,1957
?= *Attractonema* von Stein,1878 ?= *Bicudomonas* Skvortzov,1969
?= *Hoehnemonas* Skvortzov,1969 ?= *Kolbeana* Skvortzov,1966
?= *Liangiana* Skvortzov,1969 ?= *Liuiana* Skvortzov,1969
?= *Paranylomonas* Skvortzov,1957 ?= *Parastasiella* Michajlow,1965

A. sp.: Edler, Hällfors & Niemi,1984
Gulf of Finland

- A. doridis* Zerling, 1977
 @ oviparasite of *Archidoris tuberculata*
 * incertae sedis
 ?
- Cyclidiopsis* Korschikow, 1917
 * Sometimes recognized as a subgenus of *Astasia* Dujardin
- Euglenopsis* Klebs, 1892
 * Sometimes recognized as a subgenus of *Astasia* Dujardin
- Khawkinia* Jahn & McKibben, 1937
 * Sometimes recognized as a subgenus of *Astasia* Dujardin
- Pseudastasia* Bourrelly, 1985
 * Normally recognized as a subgenus of *Astasia* Dujardin
- Colacium* Ehrenberg, 1838
 * *Colaciaceae* G.M. Smith, 1933, according to Pankow, 1990
 * Not mentioned by Chrétiennot-Dinet, 1990
- C. vesiculosum* f. *vesiculosum* Ehrenberg, 1838
 @ epizoic on *Acartia* spp., *Temora longicornis*, *Centropages hamatus*, *Pseudocalanus* sp.
 * Freshwater species, which does not tolerate the full salinity of the area.
 Helsinki, W Baltic, Öresund, Belt Sea
- C. vesiculosum* f. *arbuscula* (von Stein, 1878) Huber-Pestalozzi, 1929
 = *C. arbuscula* von Stein, 1878
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland
- Hyalophacus* Pringsheim, 1936
 * Sometimes considered as a colourless subgenus of *Phacus* Dujardin, 1841
- Lepocinclis* Perty, 1849 (TM *L. globulus* Perty, 1849)
 * *Euglenaceae* von Stein, 1878-83, emend. Klebs, 1883, according to Pankow, 1990
- L. ovum* var. *ovum* Ehrenberg, 1877, emend. Lemmermann, 1901
 ? Gulf of Finland, Rügen
- L. ovum* var. *major* (Huber-Pestalozzi, 1929) Conrad, 1934
 = *L. butschlii* var. *major* Huber-Pestalozzi, 1929
 German Baltic
- L. sp.* : Edler, Hällfors & Niemi, 1984
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland
- Phacus* Dujardin, 1841
 * *Euglenaceae* von Stein, 1878-83, emend. Klebs, 1883, according to Pankow, 1990
- P. pyrum* (Ehrenberg, 1838) von Stein, 1878-83
 = *Euglena pyrum* Ehrenberg, 1838
 * Freshwater species, which does not tolerate the full salinity of the area.
 ? Gulf of Finland, S Baltic
- P. pleuronectes* (O.F. Müller, 1786) Dujardin, 1841
 = *Cercaria pleuronectes* O.F. Müller, 1786
 * Freshwater species, which does not tolerate the full salinity of the area.
 German & S Baltic
- P. longicauda* (Ehrenberg, 1838) Dujardin, 1841 (TM)
 = *Euglena longicauda* Ehrenberg, 1838
 * Freshwater species, which does not tolerate the full salinity of the area.
 German Baltic
- P. sp.* : Edler, Hällfors & Niemi, 1984
 Gulf of Finland
- Klebsiella* Pascher, 1931 (TM *K. alligata* Pascher, 1931)
- Atraktomonas* Christen, 1962
 * Freshwater, monotypic
- Calycimonas* Christen, 1959
 * Only freshwater. several species
- Dylakosoma* Skuja, 1964
 * Only Freshwater. Two species.
- Parmidium* Christen, 1962
 * Only freshwater. Two species.
- Petalomonas* von Stein, 1859
 = *Copromonas* Döbel, 1908 = *Huber-Pestalozziomonas* Skvortzov, 1967
 = *Pentamonas* Lackey, 1962 = *Scytomonas* Stein, 1878
 = *Thylakomonas* Schwewiakoff, 1892 = *Triangulomonas* Lackey, 1940
- P. abscissa* (Dujardin) von Stein, 1859 (TM)
 E North Sea, fresh water
- P. minuta* Hollande, 1942
 Tvärminne, S Baltic, Kattegatt, E North Sea, N midAtlantic, Fiji, Australia, Brazil
- P. spinifera* (Lackey, 1962?)
 = *Pentamonas spinifera* Lackey, 1962?
 * sand- and mud-living.
 Plymouth, E & W USA
- P. pusilla* Skuja, 1948
 * sand- and mud- & sediment-living.
 Tvärminne, E North Sea, Plymouth
- P. excavata* Skuja, 19??
 * Sediment living.
 Latvia, Plymouth
- P. mediocanellata* Skuja, 19??
 * sand- and mud- & sediment-living. Widely distributed in fresh water.
 Plymouth
- P. pusilla* (von Stein, 1878?)
 = *Scytomonas pusilla* von Stein, 1878?
 Plymouth
- Strombomonas* Deflandre, 1930
 * *Trachelomonadaceae* ?, 19??, according to Pankow, 1990
 * Not mentioned by Chrétiennot-Dinet, 1990
- S. deflandrei* (Roll, 1928) Deflandre, 1930
 = *Trachelomonas deflandrei* Roll, 1928
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland
- Trachelomonas* Ehrenberg, 1833, emend. Deflandre, 1926
 * *Trachelomonadaceae* ?, 19??, according to Pankow, 1990
 * Not mentioned by Chrétiennot-Dinet, 1990
- T. volvocina* Ehrenberg, 1833
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland
- T. hispida* (Perty, 1852) von Stein, 1878, emend. Deflandre, 1926
 = *Chonemonas hispida* Perty, 1852
 * Freshwater species, which does not tolerate the full salinity of the area.
 Gulf of Finland
- T. abrupta* Swivenko, sensu Dragesco, 19??
 * in brackish water sand
 Bretagne
- RHABDOMONADINA** Leedale, 1967
- Rhabdomonas* Fresenius, 1858
 * Only freshwater. Several species.
- Menoidium* Perty, 1852
 = *Menoidiomonas* Skvortzov, 1957 ? = *Calawaymonas* Skvortzov, 1969
 ? = *Nitzomonas* Skvortzov, 1969 ? = *Skujamonas* Skvortzov, 1969
 ? = *Wellsiella* Skvortzov, 1969 ? = *Zimmermanniella* Skvortzov, 1969
 * Only freshwater.
- Rhabdospira* Pringsheim, 1942 (nomen nudum)
 * Not formally erected for certain species within *Menoidium* Perty
- SPHENOMONADINA** Leedale, 1967
 * No longer separable from Heteronematina, sensu Larsen & Patterson, 1992
- Sphenomonas* von Stein, 1878
 * Not mentioned by Chrétiennot-Dinet, 1990
- S. elongata* Lackey, 19??
 * sand- and mud-living.
 Plymouth, E & W USA
- S. quadrangularis* von Stein, 18??
 * In sediments. Also in fresh water.
 Plymouth
- Notosolenus* Stokes, 1884
 = *Solenotus* Stokes, 1884
- N. cancellatus* Skuja, 19
 E North Sea
- N. esulcis* Larsen, 19
 E North Sea
- N. lagenos* Skuja, 19
 ? E North Sea
- N. rhombicus* Larsen, 19
 E North Sea
- N. apocamptus* Stokes, 1???
 * sand- and mud-living. Fresh water in USA.
 Plymouth
- Anisonema* Dujardin, 1841
 ? = *Aliniella* Skvortzov, 1957 ? = *Fidalgomonas* Skvortzov, 1969
 ? = *Mattosmonas* Skvortzov, 1969
- A. acinus* Dujardin, 1841 (TM)
 E North Sea
- A. prosgeobium* Skuja, 1939
 Tvärminne, Latvia, S Baltic, Kattegatt, Wadden Sea, Arctic Canada, Fiji, Hawaii, Australia
- A. trepidum* Larsen, 19
 E North Sea
- A. emarginatum* Stokes, 1???
 * in sand & mud. Freshwater in USA
 Plymouth
- A. ovale* Klebs, 1???
 * sand- and mud-living. Also in fresh water.
 Plymouth
- A. pusillum* Stokes, 1???
 * sand- and mud-living. Fresh water in USA.
 Plymouth
- Metanema* Senn, 1900
- M. sedatum* Larsen, 19
 E North Sea
- M. strenuum* (Skuja) Larsen, 19
 E North Sea
- M. variabile* Klebs, 1???
 Plymouth
- Tropidosephus* von Stein, 1878
- T. octocostatus* von Stein, 18??
 * sand- and mud-living. Also in fresh water.
 Plymouth
- T. sp.*
 E North Sea
- HETERONEMATINA** Leedale, 1967
 * No longer separable from Sphenomonadina, sensu Larsen & Patterson, 1992
- Heteronema* Dujardin, 1841
 = *Zygoselmis* Dujardin, 1841
 * Not mentioned by Chrétiennot-Dinet, 1990
- H. ovale* Kahl, 19
 E North Sea
- H. acus* (Ehrenberg, 18??) von Stein, 18??
 * in sediment. Also in fresh water.
 Plymouth

Entosiphon von Stein,1878 (ICZN), non Beddome,1864 (ICBN)
 = *Entosiphonomas* Larsen & Patterson,1992 (ICBN)
 ?= *Marsipogaster* Schewiakoff,1893
 * Not mentioned by Chrétiens-Dinet,1990

E. limenites Norris,1964
 Tromsø, Pacific Ocean

E. applanatum Preisig,19
 ?E North Sea

E. cuneatiformis Lackey,1962
 * in sand
 USA

Dinema Perty,1852 (ICZN)
 = *Dinematomonas* Silva,1960 (ICBN)

D. litorale (Skuja,19??) Silva,19??
 * sand-living.
 E North Sea, Plymouth

D. griseolum (Perty,18??)
 = *Dinema griseolum* Perty,18??
 * sand-living. Chiefly fresh water living.
 Plymouth

Ploecitia Dujardin,1841
 = *Pseudamoeba* Behre,1961 = *Serpenomonas* Triemer,1986
 * Mostly marine, with unclear boundaries with *Anisonema* & *Entosiphon*

P. corrugata Larsen & Patterson,1990
 N midAtlantic

Peranema Dujardin,1841 (ICZN) (preoccupied in ICBN)
 = *Pseudoperanema* Christen,1962 (ICBN)
 ?= *Astasiella* Skvortzov,1957, non Michajlow,1964 ?= *Baikowia* Skvortzov,1957
 ?= *Jenningsia* Schaeffer,1918 ?= *Peranemopsis* Lackey,1940

P. fusiforme Larsen,19
 E North Sea

P. trichophorum (Ehrenberg,18) Larsen,19
 * In sediment. Widely distributed in freshwater.
 E North Sea

P. cuneatum (Playfair,1???)
 = *Peranema cuneatum* Playfair,1???
 Plymouth, freshwater in Australia

Urceolus Mereschkowsky,1877
 = *Phialonema* von Stein,1878 = *Urceolopsis* Stokes,1887

U. costatus von Stein,18??
 E North Sea

U. cyclostomus (von Stein,18??) Mereschkowsky,1877?
 * sand- and mud-living. Also in fresh water.
 E North Sea, Plymouth

U. pascheri Skvortzov,19??
 * sand- and mud-living. Also in fresh water.
 E North Sea, Plymouth

U. sabulosus Stokes,19??
 * sand- and mud-living. Widely distributed in fresh water.
 E North Sea, Plymouth

KINETOPLASTIDA Honigberg,1963 emend. Vickerman,1976

BODONINA Hollande,1952 Emend. Vickerman,1976

Diplomastix Kent,1880
 * Marine? Which family

Bodonidae
 = **Bodonaceae** Lemmermann,1914

Trypanophis Keysselitz,1904
 @ Siphonophora & Chaetognatha
 * Correctly classified?

T. grobbeni (Poche,1903?)
 = *Trypanosoma grobbeni* Poche,1903?
 @ *Chelopyes appendiculata* Eschscholtz, *Nanomia bijuga* & other siphonophores
 Mediterranean

T. major Duboscq & Rose,1926
 @ *Abylopsis pentagona*
 ?France

Bodoninae

Bodo Ehrenberg,1852
 = *Prowazekia* Hartmann & Chagas,1910

B. ovatus (Dujardin,1841) von Stein,1878
 = *Heteromita ovata* Dujardin,1841
 Finland

B. curvifilis Griessmann,1913
 Tvärminne, Denmark, Bergen, Tromsø, Greenland, midAtlantic

B. designis Skuja,1948
 Tvärminne, Denmark, midAtlantic, widespread in arctic, temperate & tropic salt & fresh waters

B. saliens Larsen & Patterson,1990
 Tvärminne, Denmark, England, Greenland, midAtlantic, Arctic Canada, Tenerife, Belize, Brazil, Hawaii,
 Australia

B. saltans Ehrenberg,1832 (TM)
 ?= *Pleuromonas jaculans* Perty,1852
 Tvärminne, Denmark, Plymouth, midAtlantic, Belize, widespread in fresh water & soil

B. edax Klebs,1???
 Plymouth

B. globosus von Stein,18??
 Plymouth

B. insidiosus Hollande & Enjumet,1953 (nomen nudum?)
 @ in protoplasm of radiolarian genus *Collozoum* or ?free-living

?

Ichthyobodo Pinto,1928 (TM *Costia necatrix* Henneguy,1888 - fresh water)

I. sp.: Bullock & Robertson,1982
 @ *Pleuromonectes platessa*
 * the authors identified this population with the type species, *I. necatrix* (Henneguy,1888), which however is a
 fresh water species, with no affinity for NaCl-solutions
 Scotland

Pleuromonas Perty,1852

P. jaculans Perty,1852 (TM)
 ?

Rhynchobodo Lackey,1940, emend. Vørs,1992

R. taeniata (Skuja,1956) Vørs,1992
 = *Cryptaulax taeniata* Skuja,1956 (TM)
 Tvärminne, Swedish fresh water

R. agilis Lackey,1940
 = *R. armata* Brügerolle,1985
 = *Phyllomitus apiculatus* : Mylnikov,1986, non Skuja,1948
 ?

Rhynchomonas Klebs,1892

R. nasuta (Stokes,1888) Klebs,1892
 = *Heteromita nasuta* Stokes,1888
 Tvärminne, Oslofjord, Bergen, Tromsø, Plymouth, Greenland, N midAtlantic, Arctic Canada, N America, Brazil,
 Australia, Fiji, Hawaii

R. mutabilis Griessmann,1???
 ?

Cryptobiinae

Dimastigella Sandon,1928
 * Only one ?soil-living species

Cryptobia Leidy,1846
 = *Trypanoplasma* Laveran & Mesnil,1901 (p.p.)
 @ in freshwater invertebrates or freshwater & marine fish

C. dahli (Möbius,1888) Alexieff,1912
 @ stomach of *Cyclopterus lumpus*
 Baltic, Belt Sea, Kattegatt, Skagerrak, North Sea

C. congeri (Elmhirst & Martin,1910)
 @ stomach of *Conger niger* (?= *Conger conger*)
 E Scotland

C. intestinalis Léger,1905
 @ *Box boops*
 Mediterranean

C. salmositica Katz,1951
 @ *Salmo gairdneri* & other pacific salmonids (transmitted by leeches)
 ?

C. antedonae Lecal,1980
 @ coelomic fluid of *Antedon bifida*
 ?

C. bialata Ruinen,1938
 * Free-living
 ?

Procryptobia Vickerman,1978

Cephalothamiidae

Cephalothamium Stein,1878

TRYPANOSOMATINA Kent,1880

Trypanosomatidae Doflein,1911

Leptomonas Kent,1880
 @ no host change, chiefly intestinal parasites

L. patellae Porter,1914
 @ intestinal tract & digestive gland of *Patella vulgata*
 ?

L. karyophilus Gillies & Hanson,1963
 @ *Paramecium trichium*
 ?

L. sp.: Chatton,1924
 @ a nematode species
 Roscoff

Trypanosoma Gruby,1843
 @ host changing blood parasites

T. murmanensis Nikitin,1927
 @ *Gadus morhua*, Cottidae & several other fish species ; vector : *Johanssonia* sp. & *Myzobdella* sp.
 Murmansk, E North America

T. rajae Laveran & Mesnil,1902
 @ *Raja* spp. ; vector : *Pontobdella muricata*
 Shetlands, Engl. Channel

T. giganteum Neumann,1909
 @ *Raja oxyrinchus* ; vector : *Pontobdella muricata*
 Mediterranean

T. scyllii Laveran & Mesnil,1902
 @ *Scylliorhinus* spp. ; vector : *Pontobdella muricata*
 Engl. Channel

T. callionymi Brumpt & Lebaillly,1904
 @ *Callionymus lyra* ; vector : ?
 Engl. Channel

T. cataphracti Henry,1913
 @ *Agonus cataphractus* ; vector : ?
 Plymouth

T. granulolum Laveran & Mesnil,1902
 @ *Anguilla anguilla* ; vector: *Hemicleipsis marginata* & *Piscicola geometra*

Engl. Channel

T. laternae Lebailly,1904
@ *Arnoglossus laterna* ; vector: ?
Shetlands, Engl. Channel

T. delagei Brumpt & Lebailly,1904
@ *Blennius pholis* ; vector: ?
Engl. Channel

T. bothi Lebailly,1905
@ *Bothus rhombus* ; vector: ?
Engl. Channel

T. cotti Brumpt & Lebailly,1904
@ *Taurulus bubalis* ; vector: *Trachelobdella punctata*
Engl. Channel

T. limandae Brumpt & Lebailly,1904
@ *Hippoglossoides platessoides* ; vector: ?
Engl. Channel

T. aeglefini Henry,1913
@ *Melanogrammus aeglefinus* ; vector: ?
Shetlands

T. gobii Brumpt & Lebailly,1904
@ *Gobius niger* ; vector: ?
Engl. Channel

T. flesi Lebailly,1904
@ *Platichthys flesus* ; vector: ?
Engl. Channel, Millport

T. platessae Lebailly,1904
@ *Pleuronectes platessa* ; vector: ?
Engl. Channel, Millport

T. soleae Laveran & Mesnil,1901
@ *Solea solea* ; vector: *Trachelobdella punctata* (= *Callobdella p.*) & other leeches
Engl. Channel

T. yakimovi Wladimiroff,1910
@ *Syngnathus acus* ; vector: ?
Gulf of Naples

T. triglae Neumann,1909
@ Triglididae e.g. *Eutrigla gurnardus* ; vector: ?
Shetlands, Mediterranean

T. zeugopteri Henry,1913
@ *Zeugopterus punctatus* ; vector: ?
Isle of Man

T. testudinis ??,1???
@ *Chelonia mydas*
?

ZOOMASTIGOPHOREA Calkins

Bodomorpha Hollande, in Grassé,1952 (™ *Pseudobodo minima* Hollande,1942)
= *Pseudobodo* Hollande,1942, non Griessmann,1913

Pseudospora Cienkowski,1865
Correct classis? Which order & family?

?*P.* sp.: Parke & den Hartog-Adams,1965
@ *Halosphaera* spp.
SW Britain, Biscay, Mediterranean

CHOANOFLAGELLIDA Kent,1880
= **CRASPEDOPHYCEAE** (Chadefaud,1960) Christensen,1962
= **CRASPEDOMONADALES** von Stein,1878
= **STYLOCHROMONADALES**
* All Pankow,1990 included.

Codonosigidae Kent,1880
= Codonosigaceae Kent,1880

Astrosiga Kent,1878

Cladospongia Iyengar & Ramanathan,1940

Codosiga James-Clark,1868

C. gracilis (Kent) de Saedeleer
Parke & Leadbeater,1977 area

C. pyriformis Kent,18
Parke & Leadbeater,1977 area

C. botrytis (Ehrenberg,18??) Kent,1880
Tvärminne, Germany, Denmark, Italy, temperate fresh waters

Codonocladium von Stein,1878
* Considered to be a synonym of *Codosiga* James-Clark, by most authors

C. eysumum (Kent) Boucaud-Camou,1967?
Parke & Leadbeater,1977 area

Desmarella Kent,1878
= *Codonodesmus* von Stein,1878
= *Kentia* Schiller,1953

D. moniliformis (Kent,1878)
Oslofjord, Plymouth

Kentrosiga Schiller,1953

K. thienemanni Schiller,19
Parke & Leadbeater,1977 area

Monosiga Kent,1882

M. ovata Kent,1882
* Considered a synonyme of *Codosiga gracilis* (Kent,1880-82) de Saedeleer,1927, by Throndsen,1974
Bergen, Plymouth, Luc-sur-Mer

M. brevicollis Ruinen,1938
Oslofjord

M. lagenula Throndsen,1969
Oslofjord, W Norway

M. marina var. *marina* Grøntved,1952
Skagerrak, North Sea, Norw. Sea, N Norway

M. marina Grøntved var. *minima* Paasche,1961
W Norway, Norw. Sea

M. mikropelagica Throndsen,1974
Oslofjord, Bergen

M. sinuosa Möbius,18
Parke & Leadbeater,1977 area

Proterospongia Kent,1882 (™ *Proterospongia haeckeli* Kent,1881 - fresh water)

P. dybsoeensis (Grøntved,1956) Loeblich III,1967
= *Proterospongia dybsoeensis* Grøntved,1956
Dybsø Fjord (Denmark)

P. nana (Braarud,1935) Tuzet,1963
= *Proterospongia nana* Braarud,1935
E Greenland

P. choanojuncta Leadbeater,1983
Lincolnshire

Sphaerodendron Zhukov,1978

Sphaeroeca Lauterborn,1894 (™ *S. volvox* Lauterborn,1894 - fresh water)
* Possibly a synonym of *Proterospongia* Kent

S. salina Bourrelly,1947
* pelagic brackish water species
?France

Codonosigopsis Senn, in Engler & Prantl,1900
= *Dicraspedella* Ellis,1930

C. stokesii (Ellis,1930)
= *Dicraspedella stokesii* Ellis,1930
Oslofjord

Diplosiga Frenzel,1891

Salpingoecidae Kent,1880
= Salpingoecaceae

Choanoeca Ellis,1930

C. perplexa Ellis,1930?
Parke & Leadbeater,1977 area

Diploeca Ellis,1930

Pachysoeca Ellis,1930
* Considered to be a synonym of *Salpingoeca* James-Clark, by some authors

P. convallaria (von Stein,18) Ellis,19
Parke & Leadbeater,1977 area

P. depressa Ellis,19
Parke & Leadbeater,1977 area

Salpingoeca James-Clark,1868
?= *Lagenoeca* Kent,1881

S. aggregata Valkanov,1970
Tvärminne, Bulgaria

S. amphoridium James-Clark,1867
= *S. ampullacea* Stein,1878 = *S. ampulloides* Bicudo & Bicudo,1983
Tvärminne, Denmark, Fresh water in Europe, USA & Australia

S. collaris Stokes,1894
Tvärminne, New Jersey fresh water

S. inquilata Kent,1880-82
Oslofjord, S England

S. cardiforme Ellis,19
Parke & Leadbeater,1977 area

S. cornuta Kent,18
Parke & Leadbeater,1977 area

S. huxleyi Ellis,1930
= *S. caudiculata* Bicudo & Bicudo,1983
Parke & Leadbeater,1977 area

S. infusionum Kent,1880
= *S. longipes* Kent,18
Parke & Leadbeater,1977 area, N midAtlantic

S. marina James-Clark,1867
Tvärminne, Denmark, England, France, USA

S. megacheila Ellis,19
Parke & Leadbeater,1977 area

S. napiformis Kent,18
= *S. desadeleeri*
Parke & Leadbeater,1977 area

S. procera Möbius,18
Parke & Leadbeater,1977 area

S. stenotheca Boucaud-Camou,1966
= *S. lansii* Ettl,1970
Parke & Leadbeater,1977 area

S. teres Kent,18
Parke & Leadbeater,1977 area

S. tuba Kent,1880
= *S. petiolata* Kent,18
Parke & Leadbeater,1977 area

S. undulata Ellis,19
Parke & Leadbeater,1977 area

S. urceolata Kent,18
Parke & Leadbeater,1977 area

- Diplosigopsis* Francé, 1897
- Aulomonas* Lackey, 1942
- Stelaxomonas* Lackey, 1942
- Acanthoecidae Norris, 1965
= Acanthoecaceae Norris, 1965
- Acanthocorbis* Hara & Takahashi, 1984
= *Pseudomicrosportella* Scagel & Stein, 1961
- A. apoda* (Leadbeater, 1972) Hara & Takahashi, 1984
= *Acanthoecopsis apoda* Leadbeater, 1972 (TM)
Tvärminne, Denmark, Oslofjord, S Norway, Bergen, W Greenland, Mediterranean
- A. campanula* (Espeland, 1986) Thomsen, in & Thomsen, Buck & Chavez, 1991
= *Acanthoecopsis campanula* Espeland, in Espeland & Thronsen, 1986
Kattegatt, S Norway
- A. haurakiana* Thomsen, in Thomsen, Buck & Chavez, 1991
Kattegatt, California
- A. unguiculata* (Thomsen, 1973) Hara & Takahashi, 1984
= *Acanthoecopsis unguiculata* Thomsen, 1973
= *Pseudomicrosportella ornata* Scagel & Stein, 1961
Tvärminne, Isefjord, Oslofjord, S Norway, Bergen, W Greenland, midAtlantic
- A. asymmetrica* (Thomsen, 1979) Hara & Takahashi, 1984
= *Acanthoecopsis asymmetrica* Thomsen, 1979
Tvärminne, Kattegatt
- A. sp. n.* Thomsen, in Thomsen, Buck & Chavez, 1991
Baltic
- Acanthoeca* Ellis, 1930
- A. brevipoda* Ellis, 1930
Frederikshavn, Britain
- A. spectabilis* Ellis, 1930 (TM)
Tvärminne, Isefjord, Bergen, Britain, Greenland, S France
- Amoenoscopa* Hara & Takahashi, 1987
- A. caudata* Hara & Takahashi, 1987 (TM)
Denmark, Japan
- Apheloecion* Thomsen, in Thomsen & Boonruang, 1983 (TM) *A. quadrispinum* Thomsen, in Thomsen & Boonruang, 1983 - tropical-subtropical seas
- Bicosia* Leadbeater, 1978
- B. spinifera* (Thronsen, 1970) Leadbeater, 1978
= *Salpingoeca spinifera* Thronsen, 1970 (TM)
Isefjord, S, W & N Norway, off E & W Bear Island, midAtlantic
- B. minor* (Reynolds, 1976) Leadbeater, 1978
= *Salpingoeca minor* Reynolds, 1976, non Dangeard, 1910
= *Salpingoeca virgata* Parke & Leadbeater, 1977
Tvärminne, Denmark, S & W Norway, Arctic Seas
- B. antennigera* Moestrup, 1979
Denmark
- Calliacantha* Leadbeater, 1978
- C. natans* (Gröntved, 1956) Leadbeater, 1978
= *Salpingoeca natans* Gröntved, 1956 (TM)
Tvärminne, Isefjord, Fredrikshavn & Venö Bugt (Denmark), ?W Norway, Greenland
- C. simplex* Manton & Oates, 1979
= *Salpingoeca sp.* Thomsen, 1973
Tvärminne, Isefjord, Greenland, Mediterranean
- C. longicaudata* (Leadbeater, 1975) Leadbeater, 1978
Denmark, N Atlantic
- Calothea* Thomsen & Moestrup, 1983 (TM) *Calothea alata* Thomsen & Moestrup, 1983 - Indo-Pacific)
* Monotypic warmwater genus
- Campyloacantha* Hara & Takahashi, 1987 (TM) *Parvicorbicula spinifera* Leadbeater, 1973)
- Campanoeca* Thronsen, 1974
- C. dilatata* Thronsen, 1974 (TM)
= *Polyfibula sphyrelata* (Thomsen, 1973) Manton & Bremer, 1981
Oslofjord
- Conion* Thomsen, 1982 (TM) *Conion groenlandicum* Thomsen, 1982 - W Greenland)
- Cosmoeca* Thomsen, in Thomsen & Boonruang, 1984
- C. ventricosa* Thomsen, in Thomsen & Boonruang, 1984
= *Pleurasiga orculaeformis* Schiller, 1925 (TM of *Pleurasiga* Schiller, 1925)
Tvärminne, Isefjord, S Norway, Greenland, Mediterranean
- C. norvegica* Thomsen, in Thomsen & Boonruang, 1984 (TM)
Baltic, Denmark, N Atlantic
- Crinolina* Thomsen, 1976
- C. isefjordensis* Thomsen, 1976 (TM)
Isefjorden, S Norway, W Greenland
- Crucispina* Espeland, in Espeland & Thronsen, 1986
- C. eruciformis* (Leadbeater, 1974) Espeland & Thronsen, 1986
= *Salpingoeca eruciformis* Leadbeater, 1974 (TM)
S Norway, Denmark, Algeria
- Diaphanoeca* Ellis, 1930
= *Microsportella* Scagel & Stein, 1961 (TM) *M. fiordiensis* Scagel & Stein, 1961 - British Columbia)
- D. grandis* var. *grandis* Ellis, 1930 (TM)
Tvärminne, Isefjord, Oslofjord, S, W & N Norway, Britain, Mediterranean, Black Sea, midAtlantic
- D. grandis* Ellis, 1930 var. *minor* Thronsen, 1974
Oslofjord
- D. sphaerica* Thomsen, 1982
= *Campanoeca pedicellata* (Leadbeater, 1972) Thronsen, 1974
non = *Diphanoeca pedicellata* Leadbeater, 1972
- Tvärminne, Kieler Bucht, Denmark, Oslofjord, Bergen
- D. pedicellata* Leadbeater, 1972
Finland, all Baltic, Denmark
- D. undulata* Thomsen, 1982
Denmark, W Greenland, California
- Diplothea* Valkanov, 1970
- D. costata* Valkanov, 1970 (TM)
Tvärminne, Isefjord, Frederikshavn, Mediterranean, Black Sea
- Kakoea* Buck & Marchant, in Buck & al., 1991 (TM) *Kakoea antarctica* Buck & Marchant, in Buck & al., 1991 - Antarctic)
- Monocosta* Thomsen, 1979
- M. fennica* Thomsen, 1979 (TM)
Tvärminne, Denmark
- Nannoeca* Thomsen, 1988
- N. minuta* (Leadbeater, 1972) Thomsen, 1988
= *Pleurasiga minuta* (Leadbeater, 1972) Leadbeater, in Manton, Sutherland & Leadbeater, 1976
= *Pleurasiga minima* Thronsen, 1970 var. *minuta* Leadbeater, 1972 (TM)
Isefjord, Frederikshavn, S Norway, Mediterranean
- Parvicorbicula* Deflandre, 1960
= *Corbicula* Meunier, 1910
- P. socialis* (Meunier, 1910) Deflandre, 1960
= *Corbicula socialis* Meunier, 1910 (TM)
S Baltic, Belt Sea, Isefjord, Kattegatt, Bergen, off W Bear Island, E Greenland, Denmark Strait, Frans Joseph Land, Kara Sea, between Ireland & Portugal, Mediterranean
- P. quadricostata* Thronsen, 1970
Denmark, Oslofjord, S Norway, off W Bear Island
- P. circularis* Thomsen, 1976, emend. Thomsen, Buck, Coale, Garrison & Gowing, 1990
Tvärminne, Isefjord
- P. superpositus* Booth, 1990
Denmark, N Pacific
- P. pedunculata* Leadbeater, 1980
S Bretagne
- Platyleura* Thomsen, in Thomsen & Boonruang, 1983
- P. infundibuliformis* (Leadbeater, 1974) Thomsen, in Thomsen & Boonruang, 1983
= *Parvicorbicula infundibuliformis* Leadbeater, 1974 (TM)
Denmark, S Norway
- Pleurasiga* Schiller, 1925 (TM) *P. orculaeformis* Schiller, 1925 - Adriatic)
- P. minima* Thronsen, 1970
Denmark, S & W Norway, off W Bear Island, Barents Sea, Sargasso Sea
- P. reynoldsi* Thronsen, 1970
Isefjord, W Norway, off W Bear Island, Mediterranean
- P. echinocostata* Espeland, in Espeland & Thronsen, 1986
Denmark, S Norway, Algeria
- P. tricaudata* Booth, 1990
Subarctic Pacific
- Polyfibula* Manton & Bremer, 1981
- P. sphyrelata* (Thomsen, 1973) Manton & Bremer, 1981
= *Pleurasiga sphyrelata* Thomsen, 1973 (TM)
Tvärminne, Isefjord
- Polyoeca* Kent, 1881
= *Acanthoecopsis* Norris, 1965 (p.p.)
- P. dichotoma* Kent, 1881 (TM)
= *P. dumosa* Dunkerly, 1910
= *Acanthoecopsis spiculifera* Norris, 1965 (TM of *Acanthoecopsis* Norris, 1965)
= *Salpingoeca tintinnabulum* Kent, 1881?
Denmark, S Bretagne, U.S. Pacific
- Saepicula* Leadbeater, 1980
- S. pulchra* Leadbeater, 1980 (TM)
Denmark, Bretagne
- Saroea* Thomsen, 1979
- S. attenuata* Thomsen, 1979 (TM)
Tvärminne, Öresund
- Savillea* Loeblich III, 1967
= *Ellisiella* Norris, 1965, non Gray, 1858 (Coelenterata)
- S. parva* (Ellis, 1930) Loeblich III, 1967
= *Diaphanoeca parva* Ellis, 1930 (TM)
= *Ellisiella parva* (Ellis, 1930) Norris, 1965
Tvärminne, Isefjorden, Frederikshavn, Britain
- S. micropora* (Norris, 1965) Leadbeater, 1975
= *Pleurasiga micropora* Norris, 1965
Tvärminne, Denmark, Parke & Leadbeater, 1977 area
- Spiraloecion* Marchant & Perrin, 1986 (TM) *S. didymocostatum* Marchant & Perrin, 1986 - Antarctic)
- Stephanacantha* Thomsen, in Thomsen & Boonruang, 1983
- S. campaniformis* (Leadbeater, 1973) Thomsen, in Thomsen & Boonruang, 1983
= *Parvicorbicula campaniformis* Leadbeater, 1973 (TM)
S Norway, Mediterranean
- Stephanoeca* Ellis, 1930
= *Sportelloeca* Norris, 1965
- S. ampulla* (Kent, 1880) Ellis, 1930
= *Salpingoeca ampulla* Kent, 1880 (TM)
Oslofjord, Engl. Channel
- S. apheles* Thomsen, Buck & Chavez, 1991
Tvärminne, Isefjord

S. complexa (Norris,1965) Thronsen,1974
= *Pleurasiga complexa* Norris,1965
Oslofjord

S. cupula (Leadbeater,1972) Thomsen,1988
= *Pleurasiga cupula* Leadbeater,1972
Isefjord, Frederikshavn

S. diplocostata var. *diplocostata* Ellis,1930
= *S. pedicellata* Leadbeater,1972
Isefjord, Fredrikshavn, Bergen, Britain, Mediterranean

S. diplocostata Ellis,1930 var. *paucicostata* Thronsen,1969
Tvärminne, Isefjord, Oslofjord, Mandal

S. elegans (Norris,1965) Thronsen,1974
= *Pleurasiga elegans* Norris,1965
Isefjord, Bergen, Mediterranean, US Pacific

S. kentii Ellis,1930
Oslofjord

S. urnula Thomsen,1973
Tvärminne, Isefjord

S. norrisii Thomsen,1973
= *Sportelloeca kentii* : (Ellis,1930) Norris,1965, non *Stephanoeca kentii* Ellis,1930
Isefjord

S. campanula (Kent,1880) Boucaud-Camou,1967
= *Salpingoeca campanula* Kent,1880
Engl. Channel

S. constricta Ellis,1930
Parke & Leadbeater,1977 area

Syndetophyllum Thomsen & Moestrup,1983 (TM) *Parvicorbicula pulchella* Leadbeater,1974 - Indo-Pacific)

CERCOMONADIDA Vickerman,1983, in Lee,1985
* With uncertain taxonomical position according to Patterson & Zölffel,1992

Cercomonadidae Kent = Cercobodonidae Hollande,1942

Cercomonas Dujardin,1841
? = *Dimastigamoeba* Blochmann,1894 ? = *Cercobodo* Krassiltchick,1886
? = *Prismatomonas* Massart,1920 ? = *Mukdeniamonas* Skvortzow,1960
? = *Changia* Skvortzow,1960 ? = *Reptomonas* Kent,1880
? = *Cercomastix* Lemmermann,1915 ? = *Helkesimastix* Woodcock & Lapage,1914

C. crassicauda (Alexeieff,1???)
= *Cercobodo crassicauda* (Alexeieff,1???) Lemmermann,1???
Plymouth

C. varians Skuja,1???
?

Heteromita Dujardin,1841

H. reniformis (Zhukov, ?in Zhukov & Mylnikov,1983)
= *Bodomorpha reniformis* Zhukov, ?in Zhukov & Mylnikov,1983?
?

Massisteria Larsen & Patterson,1990

M. marina Larsen & Patterson,1990
Tvärminne, Limfjorden, England, Ireland, deep Atlantic, Brazil, Panama, Fiji, Hawaii, Australia

PROTEROMONADIDA Grassé, in Grassé,1952 emend. Vickerman,19??
@ Parasitic in amphibians, anurans & urodelans
* Not marine

RETORTAMONADIDA Grassé, in Grassé,1952

Retortamonadidae Wenrich,1932
@ chiefly in vertebrates & insects, but *Chilomastix* is reported from e.g. *Box salpa* & *Toxopneustes esculentus*

Chilomastix Alexeieff,1912

C. motellae Alexeieff,1912
@ in alimentary canal of *Gaidropsaurus mediterraneus* & *Ciliata mustela*
Roscoff

C. caulleryi ?Alexeieff,1912? (TM)
@ ?
?

C. undulata Skuja,1956
* Free-living
?

C. sp. : Martin & Robertson,1911
@ in alimentary canal of *Pollachius virens*
E Scotland

C. bovis (Brumpt,1912)
@ in alimentary canal of *Box salpa*
S France

Retortamonas Grassi,1879

Cochlosomidae Tyzzer,1930
@ intestinal bird parasites
* Not strictly marine

TRICHOMONADIDA Kirby,1947

Monocercomonadidae
@ In alimentary tracts of invertebrates & vertebrates

Monocercomonadinae Kirby,1947

Monocercomonas Grassi,1879
= *Eutrichomastix* Kofoid & Swezy,1915

M. motellae (Alexeieff,1910)
@ in rectum of *Gaidropsaurus mediterraneus*
Roscoff

M. salpae (Alexeieff,1910)
@ in rectum of *Box salpa*
Mediterranean

M. molae Noble & Noble,1966

@ endocommensal in hindgut of *Mola mola*
California

Protrichomonas Alexeieff,1911

P. legeri (Alexeieff,1910) Alexeieff,1911
@ endocommensal in stomach of *Box boops*
Mediterranean

Trimitus Alexeieff,1910
= *Tricercomitus* Kirby,1931

T. motellae Alexeieff,1910
@ in rectum of *Gaidropsaurus mediterraneus*
Roscoff

Chilomitinae
* Not marine?

Hypotrichomonadinae
@ in land tortoises & squamate reptiles
* Not marine

Trichomonadidae Wenyon,1926, em. Grassé,1952
@ In alimentary tracts of invertebrates & vertebrates

Trichomonadinae Chalmers & Pekkola,1917

Trichomonas Donné,1837

T. prowazeki Alexeieff,19??
@ *Box salpa*
Banyuls-sur-mer

Tritrichomonadinae
* Not marine?

Trichomitopsiinae
* Not marine?

Pentatrichomonoidinae
* Not marine?

Devescovinidae Kirby,1931
@ In hindgut of termites
* Not marine

Calonymphidae Grassi,1911
@ In hindgut of termites
* Not marine

OXYMONADIDA Grassé, in Grassé,1952

Polymastigidae Bütschli,1884
* Not marine?

Pvrsonymphidae Grassi,1892
* Not marine?

Oxymonadidae Kirby,1928
@ Insect endosymbionts
* Not marine

DIPLOMONADIDA

DIPLOMONADINA

Turbomonas Prowse,1962
* Marine. Which family?

Hexamitidae

Gyromonas Seligo,1886

Hexamita Dujardin,1838
= *Hexamitus* Bütschli,1878 = *Urophagus* Klebs,1892

H. inflata Dujardin,1841
* a brackish water saprobiote
Mareennes (France)

H. nelsoni Schlicht & Mackin,1968
@ held responsible for "pit disease" in *Ostrea edulis*, *Crassostrea* spp., *Ostrea lurida*
USA, Netherlands

H. bovis Lavier,1936
@ *Box boops*
Mediterranean

H. motellae Lavier,1936
@ *Gaidropsaurus mediterraneus*
Mediterranean

H. salmonis (Moore,1923) Kulda & Lom,1964
@ causes heavy epizootics in freshwater salmonid cultures
?

Octomitus von Prowazek,1904
* Correct family & order?

O. motellae Alexeieff,1910
@ in rectum of *Ciliata mustela* & *Gaidropsaurus mediterraneus*
Roscoff

Trigonomonas Klebs,1892

Treptomonas Dujardin,1841

(RHIZOMASTIGIDA Doflein)
* Artificial order from which included taxa has gone to different other groups.

HYPERMASTIGIDA Grassi & Foa

Joenidae Janicki,1915
@ termite symbionts
* Not marine

Lophomonadidae Kent,1880
@ cockroach symbionts
* Not marine

Rhizonymphidae Grassé & Hollande,1951
@ termite symbionts

* Not marine

Hoplonymphidae Light, 1926
@ termite & cockroach symbionts
* Not marine

Staurojoenidae Grassi, 1917
@ termite & cockroach symbionts
* Not marine

Trichonymphidae Kent, 1880
@ insect symbionts
* Not marine

Eucomonymphidae Cleveland, Hall, Sanders & Collier, 1934
@ termite symbionts
* Not marine

Teratonymphidae Koidzumi, 1921
@ termite symbionts
* Not marine

Spirotrichosomidae

Spirotrichonymphidae Grassi, 1917
@ termite & cockroach symbionts
* Not marine

Holomastigotoididae Janicki, 1915
@ termite symbionts
* Not marine

EBRIIDA Poche, 19??
= **EBRIALES** Honigberg & al., 1964
* Taxon incertae sedis, sensu Patterson & Zölffel, 1992

Ebriidae Deflandre, 1936
= **Ebriaceae** Lemmermann, 1901
* Monogeneric & monospecific family

Ebria Borgert, 1891
= **Plectanium** Haeckel, 1881 (p.p.)

E. tripartita (Schumann, 1867) Lemmermann, 1900
= **Dictyocha tripartita** Schumann, 1867
= **Dictyocha formix** Möbius, 1887 (TM)
= **Ebria formix** (Möbius, 1887) Borgert, 1891
All Baltic, Öresund, Kattegat, Limfjorden, cosmopolitan

Hermesinaceae = **Ebriopsidae** Deflandre, 1950

Hermesinum Zacharias, 1906 (TM *H. adriaticum* Zacharias, 1906 - Adriatic)

OPALINATA Corliss & Balamuth, 1963
@ endocommensals in posterior portion of digestive tracts of chiefly amphibians
* Only two species known from marine fishes

Opalinidae Claus, 1874

Opalininae Claus, 1874 (Metcalf, 1920)
@ parasiting anouuran frogs & toads
* Not marine

Protoopalinae Metcalf, 1920

Protoopalina Metcalf, 1918

P. saturnalis (Léger & Duboscq, 1904)
= **Opalina saturnalis** Léger & Duboscq, 1904
@ **Box boops** Linnaeus
Mediterranean

P. duboscqui Lavier, 1936
@ **Gadus capelanus** Risso
* This is probably a synonym of *P. saturnalis* (Léger & Duboscq, 1904)
Mediterranean (Banyuls-sur-Mer)

SARCODINA Schmarda, 1871

Podostoma Claparède & Lachmann, 1857
* Marine? Which taxon?

RHIZOPODEA von Siebold, 1845

Gruberella Page, 1983
* "Not includable in any existing family of Gymnamoebia or Leptomyxida"

G. flavescens (Gruber, 1889)
Cornwall, Mediterranean

Nolandella Page, 1983
* "Not includable in any existing family of Gymnamoebia or Leptomyxida"

N. hibernica (Page, 1980)
= **Hartmannella hibernica** Page, 1980
Ireland

LOBOSEA Carpenter, 1861

GYMNAMOEBIA Haeckel, 1862

Euhyperamoeba Seravin & Goodkov, 1987
= **Hyperamoeba** Goodkov, Seravin & Railkin, 1982, **non** Alécxiéff, 1924 (Flagellata)
* Which taxon within Gymnamoebia?

E. fallax (Goodkov, Seravin & Railkin, 1982)
= **Hyperamoeba fallax** Goodkov, Seravin & Railkin, 1982 (TM)
* Marine.
?

AMOEBIDA Ehrenberg, 1830, Kent, 1880

TUBULINA Bovee & Jahn, 1966

Amoebidae Dising, 1848

Amoeba Ehrenberg, 1830
= **Amiba** Bory de St. Vincent, 1822
* Marine species ascribed to this genus do not belong there

"A". **lescheriae** Taylor & Hayes, 1944

* in brackish tide pools. According to Page, 1976 is this almost certainly a synonym of the freshwater species *Amoeba proteus* Leidy, 1878.
Britain

"A". **biddulphiae** Zuelzer, 1927
@ **Biddulphia sinensis** Grév.
North Sea

"A." **comminuens** Rhumbler, 1902
Marine aquarium containing Helgoland material

"A." **crystalligera** Gruber, 18??
Baltic aquarium, North Sea water aquarium

"A." **flava** Gruber, 18??
Baltic aquarium

"A." **radiosa** Ehrenberg, 18??
Baltic

"A." **verrucosa** Ehrenberg, 18??
Baltic water aquarium

"A." **villosa** Wallich, 18??
Baltic aquarium

"A." **prehensilis** Möbius, 18??
Kieler Bucht

"A." **clavellinae** Huxley, 1920
@ **Clavellina lepadiformis**
Mediterranean

Trichamoeba Fromentel, 1874

T. schaefferi Radir, 1927
California

Hydramoeba Reynolds & Looper, 1928

Metachaos Schaeffer, 1926 (TM *M. discoides* ?, 1???)

Stygamoeba Sawyer, 1975

Entamoebidae Chatton, 1925

Entamoeba Cassigrandi & Barbagallo, 1895

E. gadi Bullock, 1966
@ endocommensal in rectum of *Pollachius virens*
Atlantic ocean

E. mola Noble & Noble, 1966
@ endocommensal in hindgut of *Mola mola*
Pcific Ocean

E. phallusiae Mackinnon & Ray, 1931
@ **Phallusia mamillata**
Plymouth

Hartmannellidae Volkonsky, 1931 emend. Page, 1974

Hartmannella Alexeieff, 1912, emend. Page, 1974

H. abertawensis Page, 1980
* in sandy beaches
S Wales

Janickina Chatton, in Grassé, 1953

J. pigmentifera (Grassi, 1879)
@ testis of *Spadella* spp. & *Sagitta* spp.
Atlantic, Mediterranean

J. chaetognathi (Janicki, 1912)
@ testis of *Spadella* spp.
Atlantic, Mediterranean

Saccamoeba Frenzel, 1892, emend. Bovee, 1972 & Page, 1974

Rhizamoeba Page, 1972

R. saxonica Page, 1974
North Sea

R.? globifera (Gruber, 1889)
= **Amoeba globifera** Gruber, 1889
Mediterranean

THECINA Bovee & Jahn, 1966

Thecamoebidae Schaeffer, 1926

Thecamoeba Fromentel, 1874
= **Striamoeba** Bovee & Jahn, 1966 (invalid name)

T. orbis Schaeffer, 1926
Tvärminne, North Sea, W North Atlantic, Gulf of Mexico

T. hilla Schaeffer, 1926
North Sea, W North Atlantic, Gulf of Mexico

T. pulchra (Biernacka, 1963)
Gdansk brackish water

T. verrucosa : Levander, 1894, **non** ?, 1???
Gulf of Finland

T. terricola (Greeff, 1866)
= **T. verrucosa** ?, 1???
* Fresh water species, which is adaptable to seawater
? potentially worldwide

Clydonella Sawyer, 1975 (TM *Rugipes vivax* Schaeffer, 1926)

Vannella Bovee, 1965

V. devonica Page, 1979
Devon (Channel coast)

V. aberdonica Page, 1980
Tvärminne, Denmark, Aberdeen beach, Greenland, Belize

- V. caledonica* Page,1979
W Scotland
- V. platypodia* Gläser,1912
Tvärminne, Denmark, European & N American fresh water
- V. septentrionalis* Page,1980
River Don (Aberdeen) estuary
- V. simplex* Wohlfarth-Bottermann,1960
Tvärminne, Denmark, European & N American fresh water
- V. anglica* Page,1980
Suffolk brackish channel at high tide
- Platamoeba* Page,1969
= *Lingulamoeba* Sawyer,1975
- P. plurinucleolus* Page,1974
W Britain, W Atlantic
- P. calycinucleolus* Page,1974
North Sea
- P. bursella* Page,1974
E coast of England
- P. flabellata* Page,1974
North Sea W North Atlantic
- FLABELLINA** Page,1976
- Hyalodiscidae** Poche,1913 emend. Page,1976
- Hyalodiscus* Hertwig & Lesser,1874
- H. rubicundus* Hertwig & Lesser,1874 (TM)
* freshwater species
Baltic
- Gibbodiscus* Schaeffer,1926
- Unda* Schaeffer,1926
- Flabellulidae** Bovee,1970
- Flabellula* Schaeffer,1926
- F. trinovantica* Page,1980
E England
- F. demetica* Page,1980
Tvärminne, S Wales, Arctic Canada
- F. citata* Schaeffer,1926 (TM)
?E Britain, W North Atlantic
- F. calcinsi* (Hogue,1914)
?E Britain, W North Atlantic
- Paraflabellula* Page & Willumsen, in Page, 1983
- P. reniformis* (Schmüller,1964)
= *Flabellula reniformis* : Auctt.
* "apparently very euryhaline"
Baltic
- Flamella* Schaeffer,1926 (TM *F. magnifica* Schaeffer,1926)
- CONOPODINA** Bovee & Jahn,1966
- Mayorellidae** Schaeffer,1926
- Mayorella* Schaeffer,1926
= *Hollandella* Page,1981
- M. gemmifera* Schaeffer,1926
Cornwall, Norfolk, W North Atlantic, Gulf of Mexico
- M. pussardi* Hollande, Nicolas & Escaig,1981
Mediterranean
- M.? alveolata* (Mereschowsky,1879)
= *Amoeba alveolata* Mereschowsky,1879
White Sea
- M.? mustela* (Delphy,1938)
= *Amoeba mustela* Delphy,1938
Biscay
- Dactylamoeba* Korotneff,1880
- Vexillifera* Schaeffer,1926
- V. minutissima* Bovee & Sawyer,1979
S Wales, W North Atlantic, Gulf of Mexico
- V. armata* Page,1979
S Devon
- V. telmathalassa* Bovee,1956
North Sea, W North Atlantic, Gulf of Mexico
- Pseudoparamoeba* Page,1979
- P. pagei* (Sawyer,1975)
S Devon, W North Atlantic, Gulf of Mexico
- Triaenamoeba* Bovee,1970
- Striolatus* Schaeffer,1926
- Dinamoeba**
- Boveella* Sawyer,1975
- Dactylosphaerium* Hertwig & Lesser,1874
- Mastigamoebidae**
- Mastigamoeba* Schulze,1875
- Mastigella* Frenzel,1897
- Paramoebidae** Poche,1913
- Paramoeba* Schaudinn,1896
- P. eilhardi* Schaudinn,1896
Kattegatt, Mediterranean, Indian Ocean
- P. aestuarina* Page,1970
North Atlantic, Gulf of Mexico
- P. pemaquidensis* Page,1970
* "one of the most common marine amoebae"
W Baltic, Britain, North Atlantic, Gulf of Mexico
- P. invadens* Jones,1985
@ causing mass mortalities of *Strongylocentrotus droebachiensis* along Atlantic coast of Nova Scotia
Nova Scotia
- P. pernicioso* Sprague, Beckett & Sawyer,1969
@ causing gray crab disease in *Callinectes sapidus*, *Cancer irroratus* & *Homarus americanus*
North Carolina
- ACANTHAPODINA** Page,1976
- Acanthamoebidae** Sawyer & Griffin,1975
- Acanthamoeba* Volkonsky,1931, emend. Page,1967
* pathogenic genus
- A. gigantea* Schmüller,1964
Baltic
- A. polyphaga* (Puschkarew,1???)
Britain
- Protacanthamoeba* Page,1981
- P. caledonica* Page,1981
Morar estuary
- Echinamoebidae** Page,1975
* No marine species known.
- SCHIZOPYRENIDA** Singh,1952
* This taxon should possibly be arranged among Labyrinthulids instead
* According to Patterson & Zöllffel, in Patterson & Larsen,1992 is this taxon together with the slime mould family Acrasidae constituting a natural grouping Heterolobosea Page & Blanton,1985. However Heterolobosea is a taxon incertae sedis in relation to other taxa.
- Percolomonas* Fenchel & Patterson,1986
* Which family?'
- P. cosmopolitus* (Ruinen,1938) Fenchel & Patterson,1986
= *Tetramitus cosmopolitus* Ruinen,1938 (TM)
= *Tetramitus ovoides* Ruinen,1938
Aarhus bay
- Vahlkampffidae** Jollos,1917, Zulueta,1917
- Adelphamoeba* Napolitano, Wall & Ganz,1970
* Marine?'
- Didascalus* Singh,1952
* Marine?'
- Heteramoeba** Droop,1962
- H. clara* Droop,1962
Finland, Scotland
- Naegleria* Aléxéieff,1912
* Marine?'
- Paratetramitus* Darbyshire, Page & Goodfellow,1976
- P. jugosus* (Page,1967) Darbyshire, Page & Goodfellow,1976 (TM)
euryhaline freshwater & soil species from Europe & N America
- Tetramastigamoeba* Singh & Hanumaiah,1977 (TM *Tetramastigamoeba hoarei* Singh & Hanumaiah,1977)
* Marine?'
- Tetramitus* Perty,1852 (TM *Tetramitusa rostratus* Perty,1852)
= *Copromastix* Aragão,1909
- T. salinus* Entz,1883
* may grow in 20% S.
?
- Trimastigamoeba* Whitmore,1911
* Marine?'
- Vahlkampfia** Chatton & Lalung-Bonnaire,1912
- V. baltica* Schmüller,1961
European Atlantic
- V. salina* (Hamburger,1905)
European Atlantic, Mediterranean
- V. longicauda* Schmüller,1964
Warnemünde
- V. dumnonica* Page,1983
Cornwall
- V. trilaminata* Schmüller, Jonas & Ludvik,1983
Warnemünde
- V. discorbini* Le Calvez,1939
@ *Rosalina mediterraneensis* d'Orbigny
Banyuls-sur-mèr
- V. paedophora* ?Caullery,1906
@ *Peltoaster curvatus* Kossmann
?
- V. mucicola* (Chatton,1910)
= *Amoeba mucicola* Chatton,1910
@ *Symphodus* spp. & *Trichodina labrorum*
?
- V. damariscottae* Page,19??

?Britain

Willertia de Jonkheere, Dive, Pussard & Vickermann, 1984
 ?= *Pratonaegleria* Michel & Raether, 1985
 * Marine?

PELIOBIONTIDA Page, 1976

Pelomyxidae Schultze, 1877

Pelomyxa Greeff, 1874 (™ *P. palustris* Greeff, 1874)
 * Marine species ascribed to this genus do not belong there

"*P.*" *ostendensis* (Kufferath, 1952)
 = *Amoeba ostendensis* Kufferath, 1952
 North Sea coastal waters

"*P.*" *marina* Delphy, 1938
 Arcachon

TESTACEALOBOSIA de Saedeleer, 1934

ARCELLINIDA Kent, 1880

ARCELLINA Haeckel, 1894

Cochliopodiidae Taránek, 1882

Cochliopodium Hertwig & Lesser, 1874

C. bilimbosum (Auerbach, 1856) Leidy, 1879
 = *Amoeba bilimbosa* Auerbach, 1856
 = *C. pellucidum* Hertwig & Lesser, 1874 (™ - fresh water)
 * Systematic classification sensu Page, 1987; Bark, 1973 & D Patterson suggest classification among Gymnamoebia.
 Tvärminne, European & N American fresh water

C. "sp. 2" : Bark, 1973
 Kattegatt

C. sp. : Rhumbler, 1923/25
 Marine aquarium with Helgoland material

Chlamydamoeba Collin, 1912 (™ *C. tentaculifera* Collin, 1912 - marine)

Gocevia Valkanov, 1932 (™ *G. pontica* Valkanov, 1932 - marine)

Microcoryciidae de Saedeleer, 1934
 * fresh water genera only?

ArceIIDae Ehrenberg, 1832

Arceia Ehrenberg, 1832
 = *Pyxidicula* Ehrenberg, 1834 (™ *Frustrulia operculata* Agardh, 1827)
 = *Arceina* Carter, 1856
 = *Cyphidium* Ehrenberg, 1837 (™ *C. aureolum* Ehrenberg, 1837)
 = *Leptocystis* Playfair, 1918 (™ *L. arcelloides* Playfair, 1918)
 * a fresh & brackish water genus.

A. vulgaris Ehrenberg, 1832 (™)
 * in estuarine sediments
 Britain

Hyalospheniidae Schultze, 1877 = **Cryptodiffugiidae** Rhumbler, 1923

Cryptodiffugia Penard, 1890 (™ *C. oviformis* Penard, 1890)
 = *Geococcus* Francé, 1913, non Green, 1902 (™ *G. vulgaris* Francé, 1913)

C. lanceolata Golemansky, 1970
 * in beach sediments
 North Sea, Black Sea

Diffugiella Cash, 1904 (™ *D. apiculata* Cash, 1904)

D. collum Chardez, 1971
 Belgian shores, W France

D. lamingerae Chardez, 1977
 Belgian shores

D. psammophila Golemansky, 1970
 North Sea, Black Sea

Pseudowaillesella Sudzuki, 1979

DIFFLUGINA

Diffugiidae Wallich, 1864, Awerintzew, 1906

Diffugia Leclerc, in Lamarck, 1816 (™ *D. protoeiformis* Lamarck, 1816)

D. submarina Chardez & Thomas, 1980
 W France

D. subterranea Golemansky, 1970, var. *inflata* Decloître, 1975
 French Mediterranean

Centropyxiidae Jung, 1942, Deflandre, 1953

Centropyxis von Stein, 1859 (™ *Arceia aculeata* Ehrenberg, 1832)
 = *Echinopyxis* Claparède & Lachmann, 1859
 = *Millettella* Rhumbler, 1904 (™ *Reophax pleurostomelloides* Millett, 1899)
 = *Armillatum* Rhumbler, 1913 (™ *Reophax pleurostomelloides* Millett, 1899)
 * a fresh water genus, but may be found washed into shallow marine sediments

Centropyxiella Valkanov, 1970

C. arenaria Valkanov, 1970
 North Sea shores

C. gibbula Valkanov, 1970
 North Sea shores

C. gibbulina Chardez & Thomas, 1980
 W France

C. golemanskyi Chardez, 1977
 Belgian shores

C. oopyxiformis Chardez, 1977
 Belgian shores

C. platystoma Golemansky, 1981

Baltic (Poland), Black Sea

Micropsammella Golemansky, 1970

M. minima Chardez & Thomas, 1980
 W France

M. retorta Golemansky, 1970
 North Sea Shores

Paraquadrulidae Deflandre, 1953

Nebelidae Taránek, 1882 = **Hyalospheniidae** Schulze, 1877

Pomoriella Golemansky, 1970

P. valkanovi Golemansky, 1970
 Baltic, Black Sea

Hyalosphaenia von Stein, 1857 (™ *H. cuneata* von Stein, in Schultze, 1875 = *Diffugia ligata* Tatem, 1870)
 = *Catharia* Leidy, 1874, non Lederer, 1863 (™ *Diffugia ligata* Tatem, 1870)

H. savoiei Chardez, 1978
 Belgian shores

Lesquerella Chardez & Thomas, 1980

L. mesopsammophila Chardez & Thomas, 1980
 W France

Plagiopyxidae Bonnet & Thomas, 1960
 * No marine taxa?

PHRYGANELLINA

Phryganellidae Jung, 1942

Phryganella Penard, 1902 (™ *P. nidulus* Penard, 1902)

P. marinus Chardez, 1971
 North Sea

TRICHOSIDA Möbius, 1889

Trichosphaeridae Möbius, 1878

Trichosphaerium Schneider, 1878
 = *Pontifex* Schaeffer, 1926

T. sieboldi Schneider, 1877?
 Baltic, North Sea, Mediterranean

T. micrum Angell, 1975
 ?

T. platyxyrum Angell, 1976
 ?

ACARPOMYXEA Page, 1976

STEREOMYXIDA Grell, 1966

Stereomyxidae Grell, 1966

Stereomyxa Grell, 1966

Corallomyxa Grell, 1966

C. chattoni Grell & Benwitz, 1978
 Cornwall, Mediterranean

LEPTOMYXIDA Pussard, 1976
 * Only freshwater & soil organisms?

Leptomyxidae Goodey, 1915, Pussard & Pons, 1976

MYCETOZOEAE de Bary, 1859
 * No marine species?

PROTOSTELIA L. Olive, 1970
 = **PROTOSTELIIDAE**

PROTOSTELIIDA Olive & Stoianovitch, 1966
 = **PROTOSTELIALES**

Cavosteliidae L. Olive, 1964
 = **Cavosteliaceae**

Protosteliidae Olive & Stoianovitch, 1966
 = **Protosteliaceae**

Ceratiomyxidae Schröter, 1889
 = **Ceratiomyxaceae**

Ceratiomyxella

C. tahitiensis Olive & Stoianovitch, 1977?
 Tahiti

DICTYOSTELIIDA L. Olive, 1970
 = **DICTYOSTELIALES**

Acvtosteliidae Raper, in Raper & Quinlan, 1958
 = **Acvtosteliaceae**

Dictyosteliidae Rostafinski, 1875
 = **Dictyosteliaceae**

GUTTULINIA L. Olive, 1970
 = **GUTTULINIDAE**

GUTTULINIDA L. Olive, 1970
 = **GUTTULINIALES**

Guttulinopsidae L. Olive, 1970
 = **Guttulinopsidaceae**

Guttulinidae Zopf, 1884
 = **Guttulinaceae**

MYXOGASTRIA L. Olive, 1970

= **MYXOGASTRIDAE**

ECHINOSTELIIDA
= **ECHINOSTELIALES**

LICEIDA
= **LICEALES**

TRICHIIDA
= **TRICHIALES**

STEMONITIDA
= **STEMONITALES**

PHYSARIDA
= **PHYSARALES**

PLASMIDIOPHORIDA Cooke, 1928
= **PLASMIDIOPHORALES**
* Group of uncertain relationship.

Pyrrhosus Juel, 1901
* very doubtfully a member of this order. May be a *Labyrinthula* or *Sorolpidium*

P. marinus Juel, 1901
@ *Cystoclonium purpurascens* & ?*Ceramium rubrum*
Sweden

Plasmodiophoridae Zopf, 1884

Plasmodiophora Woronin, 1877
= *Ostenfeldiella* Ferdinandsen & Winge, 1914

P. diplantherae (Ferdinandsen & Winge) Ivimey-Cook, 1932
= *Ostenfeldiella diplantherae* Ferdinandsen & Winge, 1914
@ *Halodulce* spp.
West Indies

P. bicaudata J. Feldmann, 1940
@ *Zostera nana* Roth.
France, W Africa

P. halophilae Ferdinandsen & Winge, 1913
@ *Halophila* spp.
Java

P. maritima G. Feldmann, 1958
@ *Triglochin maritima*
France

Phagomyxa Karling, 1944

P. algarum Karling, 1944
@ endosymbiont in several filamentous brown algae, e.g. *Bellerophon malleus* (Brightwell) Heurck
USA

Tetramyxa Goebel, 1884
= *Molliardia* Maire & Tison, 1911
= *Thecaphora* Setchell, 1924

T. parasitica Goebel, 1884 (TM)
= *Thecaphora ruppiae* Setchell, 1924
@ *Ruppia*, *Zanichellia* & *Potamogeton panormitanus*
?

T. triglochimis Molliard, 1909
= *Molliardia triglochimis* (Molliard) Maire & Tison, 1911
@ *Triglochin palustris* & *Triglochin maritima*
* uncompletely known. Provisional genus.
?

FILOSEA Leidy, 1879

ACONCHULINIDA de Saedeleer, 1934

Vampyrellidae Doflein, 1902
* No marine species?

Reticulosidae Cash & Hopkinson, 1905 = **Penardiidae** Loeblich & Tappan, 1961
* No marine species?

GROMIIDA Claparède & Lachmann, 1859

GROMIINA Delage & Hérouard, 1896
* With organic tests & filose pseudopodia.

Gromiidae Reuss, 1862

Gromia Dujardin, 1835
= *Arcellina* DuPlessis, 1876, **non** Carter, 1856 (TM *A. marina* DuPlessis, 1876)
= *Hyalopus* Schaudinn, 1894 (TM *Gromia dujardini* M. Schultze, 1854)

G. oviformis Dujardin, 1835 (TM)
= *Gromia dujardini* M. Schultze, 1854
Bergen, Engl. Channel, Mediterranean, Cosmopolitan

Amoebogromia Giard, 1900

A. cinnabarina Giard, 1900 (TM)
@ associated with cirripeds
France

Bargoniella Loeblich & Tappan, 1961
= *Salpicola* Bargoni, 1894, **non** Richiardi, 1880

B. amyacea (Bargoni, 1894)
= *Salpicola amyacea* Bargoni, 1894 (TM)
@ on *Salpa micronata* & *Salpa democratica*
Mediterranean

Lagunculina Rhumbler, 1904
= *Ovulina* Gruber, 1884, **non** Ehrenberg, 1845

L. urnula (Gruber, 1884)
= *Ovulina urnula* Gruber, 1884 (TM)
Mediterranean

Urnulina Gruber, 1884

U. difflugiaeformis Gruber, 1884 (TM)
North Sea, Mediterranean

Ogdeniella (Golemansky, 1970)

* Correct family?

O. carinata (Chardez, 1977)
North Sea

O. elegans (Golemansky, 1970)
North Sea, Black Sea

O. lucida (Golemansky, 1970)
North Sea, Black Sea

O. pusilla (Chardez, 1977)
Belgian shores

O. taschevi (Golemansky, 1970)
North Sea, Black Sea

Chlamydrophyridae de Saedeleer, 1934

Lagenidiopsis Golemansky, 1974

L. valkanovi Golemansky, 1974
North Sea, Black Sea

Pseudolagenidiopsis Sudzuki, 1979
* Correct family?

Pseudodifflugiidae de Saedeleer, 1934

Pseudodifflugia Schlumberger, 1845 (TM *P. gracilis* Schlumberger - fresh water)

Rhumbleriella Golemansky, 1970

R. filosa Golemansky, 1970
North Sea, Black Sea

Volutellidae Bovee, in Lee, Hutner & Bovee, 1985

Volutella Sudzuki, 1979
?= *Voluta* Chardez, 1972, **non** Linnaeus, 1758

V. hemispiralis (Chardez, 1972)
= *Voluta hemispiralis* Chardez, 1972
North Sea

Pseudovolutella Sudzuki, 1979
* Correct family?

Psammonobiotidae Golemansky, 1974
* Encompassing sand dwelling species.

Psammonobiotus Golemansky, 1967

P. balticus Golemansky, 1973
Baltic, Black Sea

P. communis Golemansky, 1967
North Sea, Black Sea

P. golemanskyi Chardez, 1971
North Sea

P. linearis Golemansky, 1970
North Sea, Black Sea

P. minutus Golemansky, 1970
North Sea, Black Sea

P. plana Chardez, 1971
North Sea

P. septentrionalis Chardez, 1977
North Sea, Black Sea

Pseudocorythion Valkanov, 1970

P. acutum (Wailles, 1927)
North Sea, Black Sea

P. undulacollis Chardez & Thomas, 1980
W France

P. walesi Golemansky, 1971
North Sea, Black Sea

Messemvriella Golemansky, 1973

Chardezia Golemansky, 1970

Corythionella Golemansky, 1970

C. acolla Golemansky, 1970
North Sea, Black Sea

C. anteroplanata Chardez, 1977
Belgian shores

C. minima Golemansky, 1970
North Sea, Black Sea

C. sudzukii Chardez, 1977
North Sea

Corythionelloides Sudzuki, 1979

Micramphora Valkanov, 1970

M. amphoriformis Chardez & Thomas, 1980
W France

M. atlantica Chardez & Thomas, 1980
W France

M. pontica Valkanov, 1970
North Sea, Black Sea

Ovulina Anderson, Rogerson & Hannah, 1996

O. parva Anderson, Rogerson & Hannah, 1996 (TM - Firth of Clyde)
Firth of Clyde

EUGLYPHINA Bovee, in Lee, Hutner & Bovee, 1985

Euglyphidae Wallich,1864

* No marine species?

Cyphodetiidae de Saedeleer,1934

Cyphoderia Schlumberger,1845

C. ampulla (Ehrenberg,1840)
= *Difflugia ampulla* Ehrenberg,1840
= *C. margaritacea* Schlumberger,1845 (TM)
* also in fresh water
Kieler Bucht

C. truncata Schulze,1875
* chiefly a fresh water species
Kiel, Warnemünde

C. compressa Golemansky,1979
North Sea, Black Sea

C. littoralis Golemansky,1973
North Sea, Black Sea

Campascus Leidy,1877 (TM *C. cornutus* Leidy,1877 - fresh water)

C. interstitialis Golemansky,1981
North Sea, Black Sea

Pseudocyphoderia Suzuki,1979

Paulinellidae de Saedeleer,1934

Paulinella Lauterborn,1895

P. ovalis (Wulff,1919) Johnson, Hargraves & Sieburth,1988
= *Calycomonas ovalis* Wulff,1919
Bothnian Sea, Tvärminne, Gulf of Finland, N Baltic, Kieler Bucht, S Kattegatt, Oslofjord, S & N Norway,
Barents Sea, Belgium, Massachusetts, New Zealand, Japan

P. gracilis (Lohmann,1908) Vørs,1992
= *Calycomonas gracilis* Lohmann,1908 (TM of *Calycomonas* Lohmann,1908)
S Norway, Parke & Dixon,1976 area

CRISTIDISCOIDIDA Page,1987

Pompholyxophoridae Page,1987

Rabdiophrys Rainer,1968
= *Pinaciophora* Thomsen,1978, non Greeff,1875

R. candelebrum (Thomsen,1978) Roijackers & Siemensma,1988
Denmark (Dybso fjord)

R. multicastrata (Thomsen,1978) Roijackers & Siemensma,1988
= *Pinaciophora multicastrata* Thomsen,1978
Denmark (Dybso fjord), Tvärminne

R. reticulata (Thomsen,1979) Roijackers & Siemensma,1988
= *Pinaciophora reticulata* Thomsen,1979
Tvärminne, S Baltic, USA, Arctic Canada

R. thomsoni Roijackers & Siemensma,1988
Tvärminne, S Baltic

R. denticulata (Thomsen,1978) Roijackers & Siemensma,1988
= *Pinaciophora denticulata* Thomsen,1978
Tvärminne, Denmark (Dybso fjord), ?Peru

R. paucipora (Thomsen,1978) Roijackers & Siemensma,1988
= *Pinaciophora paucipora* Thomsen,1978
Denmark (Dybso fjord)

R. spiculata (Manton & Sutherland,1978) Roijackers & Siemensma,1988
= *Pinaciophora spiculata* Manton & Sutherland,1978
Tvärminne, Denmark, North American Arctic Ocean

R. "circulata" Thomsen (nom. nudum) : Vørs,1992
Kattegatt

Pompholyxophryx Archer,1869 (TM ? *P. puniceus* Archer,1869?)

XENOPHYOPHOREA Schulze,1904

Aschemonellidae Eimer & Fickert,1899
* Which order?

Aschemonellinae Eimer & Fickert,1899

Aschemonella Brady,1879 (TM *A. scabra* Brady,1879)
* The type species was moved from Foraminifera to Xenophyophorea by Gooday,1987

A. catenata Norman,18??
Sognefjord at 1200m according to Kiaer,1900

PSAMMINIDA

Psammettidae

Psammetta Schulze,1905 (TM *P. erythrocytomorpha* Schulze,1905 - Ind. Ocean)

Psamminidae Haeckel,1889

Psammina Haeckel,1889 (TM *P. globigerina* Haeckel,1889)
= *Psammoplakina* Haeckel,1889 (TM *P. discoidea* Haeckel,1889 = *Psammina plakina* Haeckel,1889)

Reticulammina ?,19??

R. labyrinthica (Tendal,1972)
off W Africa at 3000-4000 m.

Holopsamma Carter,1885 (TM *H. laevis* Carter,1885 - S Australia)
* Correct family?

Psammopemma Marshall,1881 (TM *P. densum* Marshall,1881 - trop. Atl. & Pacif.)
* Correct family?

Syringaminidae

Syringamina Brady,1883

S. fragillissima Brady,1883 (TM)
Faeroe Channel

Aschemonella Brady,1879 (TM *A. scabra* Brady,1879 - N Pacific)
* Family tentative. The genus has long been thought to be a foraminiferan.

A. ramuliformis Brady,1884

?

Cerelasmidae

Cerelasma Haeckel,1889 (TM *C. gyrosphaera* Haeckel,1889 - Pacific)

C. massa Tendal,1972
off Biscay at > 4000 m.

STANNOMIDA

Stannomidae Haeckel,1889

Stannoma Haeckel,1889 (TM *S. dendroides* Haeckel,1889 - Pacific)
= *Stannoplegma* Haeckel,1889 (TM *Stannoma coralloides* Haeckel,1889 - Pacific)

Stannarium Haeckel,1889 (TM *S. concretum* Haeckel,1889)

Stannophyllum Haeckel,1889 (TM *S. zonarium* Haeckel,1889 - Pacific)
= *Psammophyllum* Haeckel,1889 (TM *P. flustraceum* Haeckel,1889)
= *Neusina* Goes,1892 (TM *N. agassizi* Goes,1892)

S. globigerinum Haeckel,1889
central Atlantic at >5000 m.

SCHIZOCLADEA Cedhagen & Mattson,1992

SCHIZOCLADIDA Cedhagen & Mattson,1992

Schizocladidae Cedhagen & Mattson,1992

Schizocladus Cedhagen & Mattson,1992

S. sublittoralis Cedhagen & Mattson,1992
Gullmarfjord

GRANULORETICULOSEA de Saedeleer,1934

ATHALAMIDA Haeckel,1862

Biomyxidae Loeblich & Tappan,1961

Arachnula Cienkowski,1876

A. impatiens Cienkowski,1876 (TM)
= *Biomyxa vagans* : Möbius,1888, non Leidy,1875
* also in fresh water
S Baltic, Black Sea

Chlamydomyxidae

Rhizoplasma Verworm,1896

R. kaiseri Verworm,1896 (TM)
?

Pontomyxa Topsent,1892

P. flava Topsent,1892 (TM)
@ commensal in tunicates
?

MONOTHALAMIDA Haeckel,1862

Amphitrem(at)idae Poche,1913
* no marine species?

Lieberkuhnidae de Saedeleer,1934

Lieberkuhnia Claparède & Lachmann,1859

L. wagneri Claparède & Lachmann,1859 (TM)
* fresh water & marine species
?

Microgromiidae de Saedeleer,1934
* no marine species?

FORAMINIFERIDA d'Orbigny,1826, Eichwald,1830

ALLOGROMIINA Loeblich & Tappan,1961

Lagynacea

Lagynidae Schultze,1854

Boderia T.S. Wright,1867

B. turneri T.S. Wright,1867 (TM)
@ *Corallina*
North Sea, Plymouth

Kibisidytes Jepps,1934

K. marinus Jepps,1934 (TM)
* in surface film or attached to floating objects
Europe, e.g. Scotland (Millport)

Lagynis Schultze,1854
= *Platoum* Schultze,1875

L. baltica Schultze,1854 (TM)
= *Platoum parvum* Schultze,1875
S Baltic

Myxotheca Schaudinn,1893
= *Armyxothecum* Rhumbler,1913

M. arenilega Schaudinn,1893 (TM)
Bergen

Ophiotuba Rhumbler,1894

O. gelatinosa Rhumbler,1894 (TM)
* in *Saccammina*-shells
North Sea, Bergen, Kristiansand

Pilalla Rhumbler,1935

- P. exigua* Rhumbler, 1935 (TM)
Kieler Bucht, Helgoland
- Rhumblinella** Schmidt, 1929
- R. bacillifera* Schmidt, 1929
North Sea
- Schultzella** Rhumbler, 1904
= *Schultzia* Gruber, 1888, non Grimm, 1876, nec Graff, 1882
= *Arsculzellum* Rhumbler, 1913
- S. diffluens* (Gruber, 1884)
= *Lieberkuehnia diffluens* Gruber, 1884 (TM)
Europe
- Marenda** Nyholm, 1951
- M. nematoides* Nyholm, 1951 (TM)
W France
- Allogromiidae** Rhumbler, 1904
- Allogromiinae** Rhumbler, 1904
- Allogromia** Rhumbler, 1904
= *Craterina* Gruber, 1884, non Curtis, 1826, nec Bory de St. Vincent, 1827
= *Arrogromium* Rhumbler, 1913
- A. mollis* (Gruber, 1884)
= *Craterina mollis* Gruber, 1884 (TM)
Bergen
- A. ovoidea* Rhumbler, 19??
Britain
- A. crystallifera* Dahlgren, 1962
Gullmarsfjord at 80-120 m.
- A.* sp. A : Hedley, Ogden & Wakefield, 1972
* on *Corallina*
Plymouth
- A.* sp. B : Hedley, Ogden & Wakefield, 1972
* on *Corallina*
Plymouth
- Cylindrogullmia** Nyholm, 1974
- C. alba* Nyholm, 1974 (TM)
Gullmar Fjord
- Gloiogullmia** Nyholm, 1974
- G. eurystoma* Nyholm, 1974 (TM)
Gullmar Fjord
- Lieberkuehnia** Claparède & Lachmann, 1859
- L. wagneri* Claparède & Lachmann, 1859 (TM)
* Marine?
Europe
- Marsupulina** Rhumbler, 1904
- M. schultzei* Rhumbler, 1904 (TM)
North Sea, Mediterranean
- Pleurophrys** Claparède & Lachmann, 1859
- P. sphaerica* Claparède & Lachmann, 1859 (TM)
* Marine?
Germany
- P. lageniformis* Schulze, 18??
S Baltic
- P. blanckenbergi* ??, 1???
Belgium
- Rhynchogromia** Rhumbler, 1894
- R. variabilis* Rhumbler, 1894 (TM)
* in *Saccamina*-shells
North Sea, Bergen, Kristiansand
- Rhynchosaccus** Rhumbler, 1894
- R. immigrans* Rhumbler, 1894 (TM)
* in *Saccamina*-shells
North Sea, Bergen, Kristiansand
- Sphairogullmia** Nyholm, 1974
- S. aurea* Nyholm, 1974 (TM)
Gullmar Fjord
- Shepherdellinae** Loeblich & Tappan, 1984
- Nemogullmia** Nyholm, 1953
- N. longevariabilis* Nyholm, 1953 (TM)
Gullmar Fjord
- Phainogullmia** Nyholm, 1955
- P. aurata* Nyholm, 1955 (TM)
Gullmar Fjord
- Shepherdella** Siddall, 1880
- S. taeniformis* Siddall, 1880 (TM)
Bergen, England
- Tinogullmia** Nyholm, 1954
- T. hyalina* Nyholm, 1954 (TM)
Gullmar Fjord
- Argillotubinae** Avnimelech, 1952
- Dactylosaccus** Rhumbler, 1894
- D. vermiformis* Rhumbler, 1894 (TM)
* in *Saccamina*-shells
North Sea, Bergen, Kristiansand
- Dendrotuba** Rhumbler, 1894
- D. nodulosa* Rhumbler, 1894 (TM)
* in *Saccamina*-shells
Bergen, Kristiansand, N Atlantic
- Micatuba** Avnimelech, 1952
?= *Rhabdogromia* Valkanova, 1964
- M. flexilis* (Höglund, 1947)
= *Bathysiphon flexilis* Höglund, 1947 (TM)
Sweden 7-109m, Oslofjord, Bulgaria 0-12 m
- Micrometula** Nyholm, 1952
- M. hyalostrata* Nyholm, 1952 (TM)
Gullmar Fjord at 30-118 m.
- Nodellum** Rhumbler, 1913
= *Chitinosiphon* Thalmann & Bermúdez, 1954
- N. membranacea** (Brady, 1879)
= *Reophax membranacea* Brady, 1879 (TM)
= *Chitinosiphon rufescens* Thalmann & Bermúdez, 1954
Atlantic, deep water
- Hospitellidae** Loeblich & Tappan, 1984
- Hospitella** Rhumbler, 1911
- H. fulva* Rhumbler, 1911 (TM)
Atlantic
- Placopsilinella** Earland, 1934
- P. aurantiaca* Earland, 1934 (TM)
Atlantic
- Thalamophaga** Rhumbler, 1911
= *Orbitophaga* Rhumbler, 1911 = *Marsupophaga* Rhumbler, 1911
= *Tubophaga* Rhumbler, 1911 = *Nummophaga* Rhumbler, 1911
- T. ramosa* Rhumbler, 1911 (TM)
Atlantic
- Phtanotrochidae** Arnold, 1974
* No species in the area?
- TEXTULARIINA** Delage & Hérouard, 1896
- Astrorhizacea** Sandahl, 1858
- Astrorhizidae** Sandahl, 1858
- Astrorhizinae** Sandahl, 1858
- Astrorhiza** Sandahl, 1858
= *Arenistella* Fischer, in de Folin & Perier, 1875 (TM A. *agglutinans* Fischer, 1875)
= *Astrodiscus* Schulze, 1875, non Ludwig, 1866 (TM A. *arenaceus* Schulze, 1875)
= *Haeckelina* Bessels, 1875
- A. limicola* Sandahl, 1858 (TM)
= *Amoeba gigantea* Sandahl, 1858
= *Megamoebomyxa argillobia* Nyholm, 1950
= *Astrorhiza arenifera* Stschedrina, 1946
= *Astrorhiza sabulifera* Stschedrina, 1946
= *Astrorhiza arctica* Stschedrina, 1958
= *Haeckelina gigantea* Bessels, 1875 (TM of *Haeckelina* Bessels, 1875)
Kattegatt-Bohusl., Bergen, Barents Sea
- A. arenaria* Norman, 1876
Skagerrak at 230-510 m., Oslofjord at 78-200 m., Boknafjord, Bergen-Hammerfest, North Sea, Shetlands, off Faeroes, Spitsbergen, Barents Sea, Kara Sea, Iceland, E Greenland, off SW Ireland, off NW Africa
- A. angulosa* Brady, 1881
* Correct genus?
off Britain at 630 fathoms
- Astrorhizoides** Stschedrina, 1969
- A. cornuta* (Brady, 1879)
= *Astrorhiza cornuta* Brady, 1879 (TM)
Faeroe Channel, Rockall Bank, Arctic Seas
- Pelosina** Brady, 1879
= *Pelosinella* Parr, 1950 (TM *P. bicaudata* Parr, 1950)
= *Globosiphon* Avnimelech, 1952 (TM *Pelosina variabilis* Brady, 1879 var. *sphaeriloculum* Höglund, 1947)
?= *Millettina* Avnimelech, 1952 (TM *Pelosina distoma* Millett, 1904)
- P. arborescens* Pearcey, 1914
Kattegatt, Gullmarfjord, Koster Channel, Oslofjord, W Norway, W Scotland, Faeroe Channel
- P. fusiformis* Earland, 1933
Gullmarfjord at 35-55 m., ?Oslofjord
- P. variabilis* Brady, 1879 (TM)
Skagerrak at 230-500 m., Oslofjord, W Norway, Franz Josefs Land, W Scotland, Biscay, Arctic Ocean, cosmopolitan
- P. variabilis* Brady, 1879 var. *sphaeriloculum* Höglund, 1947
border of Skagerrak & North Sea at 500-510 m.
- P. rotundata* Brady, 1879
off S Rockall Bank at 640 fathoms
- Radícula** Christiansen, 1958
- R. limosa* Christiansen, 1958 (TM)
Drøbak
- Saccodendron** Rhumbler, 1935
- S. heronalleni* Rhumbler, 1935 (TM)
Kieler Bucht, Skagerrak at 204-700 m., Oslofjord
- S. heronalleni* Rhumbler, 1935, forma *latericum* Rhumbler, 19?? : Gabel, 1971
North Sea

Vanhoeffenellinae Saidova, 1981

Amphifenestrella Rhumbler, 1935

A. wiesneri Rhumbler, 1935 (TM)
* Based on a single specimen. Not refound.
off Germany

Causia Rhumbler, 1938

C. injudicata Rhumbler, 1938 (TM)
German North Sea coast

Vanhoeffenella Rhumbler, 1905

V. gaussi Rhumbler, 1905 (TM)
Kieler Bucht at 40 m., Drøbak, Iceland at 1889-1996 m., Cornwall

Bathysiphonidae Avnimelech, 1952

Astrorhizinella Saidova, 1975 (TM *Psammosiphonella aethera* Saidova, 1970)
* genus cosmopolitan at 1260-2000 m.

Bathysiphon M. Sars, in G.O. Sars, 1872
= *Psammosiphonella* Avnimelech, 1952 (TM *Bathysiphon arenaceus* Cushman, 1927)
= *Bogdanowiczia* Pishvanova & Vyalov, in Vyalov & Pishvanova, 1967 (TM *B. pocutiva* Pishvanova & Vyalov, in Vyalov & Pishvanova, 1967)
= *Flagrina* Vyalov, 1968 (TM *F. staminea* Vyalov, 1968)

B. argenteus Heron-Allen & Earland, 1913
Gullmarfjord at 33-118 m., Skagerrak, Oslofjord, W Norway, N North Sea, Scotland, W Ireland

B. filiformis M. Sars, in G.O. Sars, 1872 (TM)
Drøbak, Hardangerfjord, Bergen, Sognefjord, off SE Ireland, Biscay, Mediterranean

B. minutus Pearcey, 1900
Kattegatt at 32 m, Gullmarfjord at 7-109 m., Skagerrak, Oslofjord, W Scotland

B. crassatina (Brady, 1881)
= *Astrorhiza crassatina* Brady, 1881
= *Rhabdammina crassatina* : Eimer & Fickert, 1899
* Correct genus?
W Norway, Faeroe Channel, Spitsbergen, Arctic Ocean

Rhabdammina de Folin, 1887
= *Pseudomarsipella* Saidova, 1975 (TM *Marsipella cylindrica* Brady, 1882)

R. cylindrica (Brady, in Tizard & Murray, 1882)
= *Marsipella cylindrica* Brady, in Tizard & Murray, 1882
= *Rhabdammina prismacrinosa* de Folin, 1887 (TM)
Drøbak, NW North Sea, Faeroe Channel

Rhabdamminidae Brady, 1884

Rhabdammininae Brady, 1884

Marsipella Norman, 1878
* Genus cosmopolitan at 108-3216 m

M. elongata Norman, 1878 (TM)
Faeroe Channel, off W Ireland, Wales, Rockall Bank

M. arenaria Christiansen, 1958
Drøbak

M. spiralis Heron-Allen & Earland, 1912
Gullmarfjord at 60-70 m., Koster Channel at 200 m., Skagerrak at 196-626 m., NW North Sea at 330-390 m.

Oculosiphon Avnimelech, 1952 (TM *Rhabdammina linearis* Brady, 1879)

O. linearis (Brady, 1879)
Hardangerfjord, Bergen, W Ireland

Rhabdammina M. Sars, in Carpenter, 1869

R. abyssorum M. Sars, in Carpenter, 1869 (TM)
Skagerrak at 500-700 m, Norway, Barents Sea, Arctic Ocean, cosmopolitan at 700-4800m

R. discreta Brady, 1881
Koster Channel, Skagerrak, Oslofjord, Bergen, Greenland

R. inaequalis le Calvez, 1935
= *Rhabdammina linearis* : Auctt., non Brady, 1879
Koster Channel, Oslofjord, Skagerrak at 200-500 m, Mediterranean

R. scabra Höglund, 1947
Oslofjord, Skagerrak at 200-500 m

R. sp. I : Gabel, 1971
Fladen Ground

R. sp. II : Gabel, 1971
Dogger Bank

Rhizammia Brady, 1879
= *Testulosiphon* Avnimelech, 1952 (TM *Rhizammia indivisa* Brady, 1884)

R. indivisa Brady, 1884
North Sea, Faeroe Channel

R. algaeformis Brady, 1879 (TM)
Bergen, off W Scotland, off W Ireland, N & S Atlantic at 1260-5800m

Dendrophryinae Haeckel, 1894

Dendrophrya T.S. Wright, 1861

D. erecta T.S. Wright, 1861 (TM)
Drøbak, off Scotland

D. radiata T.S. Wright, 1861
Kieler Bucht, Scotland, Wales

Psammatodendron Norman, in Brady, 1881
= *Dendrophrya* Vyalov, 1966 (TM *Psammatodendron dichotomicum* Neagu, 1964)

P. arborescens Norman, in Brady, 1881 (TM)
@ tubes of *Haplops*
Øresund, W Norway, Britain, Iceland, Greenland, Novaja Zemlja, Franz Josefs Land, Arctic Ocean

Halophyseminae Loeblich & Tappan, 1984

Halyphysema Bowerbank, 1862

H. tumanowiczii Bowerbank, 1862 (TM)

= *Squanulina scopula* Carter, 1870 (TM of *Gastrophysema* Haeckel, 1877)

* According to Kier, 1900, a variety *H. abyssorum* Goes exists at 540m in the North Sea, although rather uncommon.

Bergen, Wales, Ireland, Engl. Channel

H. ramulosum Bowerbank, 1866
Kiel Canal, Engl. Channel, Ireland

Nubeculariella Averintsev, 1911

N. birulai Averintsev, 1911 (TM)
Arctic Ocean

Hippocrepinellidae Loeblich & Tappan, 1984

Hippocrepinella Heron-Allen & Earland, 1932
= *Hirudina* Vyalov, 1966 (TM *Hippocrepinella hirudiformis* Suzin, in Bogdanovich, 1963)

H. alba Heron-Allen & Earland, 1932
Kieler Bucht, Kattegatt, Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Bergen

H. ampulacea Rhumbler, 1935
Kieler Bucht, Drøbak

H. hirudinea Heron-Allen & Earland, 1932 (TM)
Kieler Bucht, Kattegatt, Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Shetlands, off SW Ireland, Spitsbergen

H. hirudinea var. *crassa* Heron-Allen & Earland, 1932
?Koster Channel at 200 m., ?Oslofjord, Antarctic

Schizammidae Nørvang, 1961

Schizammia Heron-Allen & Earland, 1929 (TM *S. labyrinthica* Heron-Allen & Earland, 1929 - off French Equatorial Africa)

Psammosphaeridae Haeckel, 1894

Psammosphaerinae Haeckel, 1894

Psammosphaera Schulze, 1875
= *Psamella* Rhumbler, 1935, non Lendenfeld, 1887 (TM *Psamella frankei* Rhumbler, 1935)
= *Arenosphaera* Schhedrina, 1939 (TM *Arenosphaera perforata* Schhedrina, 1939)

P. fusca Schulze, 1875 (TM)
Kieler Bucht, Gullmarfjord, Oslofjord, Haugesund, Barents Sea, Spitsbergen, North Sea, Britain

P. parva Flint, 1899
= *Psammosphaera fusca* Schulze, 1875, var. *parva* Flint, 1899
?Helgoland, Faeroe Channel, Hebrides, Wales, Brazil

P. bowmanni Heron-Allen & Earland, 1912
Gullmarfjord, Oslofjord at 10-60 m., NE & W Scotland, Ireland, Engl. Channel, Spitsbergen

P. testacea Flint, 1899
= *Psammosphaera fusca* Schulze, 1875, var *testacea* Flint, 1899
Drøbak, Britain, Gulf of Mexico

P. rustica Heron-Allen & Earland, 1912
Scottish North Sea, W Scotland

P. perforata (Schhedrina, 1939)
= *Arenosphaera perforata* Schhedrina, 1939
Barents Sea

Sorosphaera Brady, 1879

S. confusa Brady, 1879 (TM)
Drøbak, Faeroe Channel, Rockall Bank, Azores, cosmopolitan

Spiculosiphon Christiansen, 1964

S. radiata Christiansen, 1964 (TM)
N Norway at 100m.

Storthosphaera Schulze, 1875

S. albida Schulze, 1875 (TM)
Skagerrak at 626-700 m., Bergen, Bukkenfjord, Faeroe Channel, Biscay

Saccaminidae Brady, 1884

Saccamininae Brady, 1884

Lagenammia Rhumbler, 1911
= *Proteonella* Lukina, 1969 (TM *Reophax difflugiformis* Brady, 1879)

L. laguncula Rhumbler, 1911 (TM)
N Atlantic at 1524-2400 m.

L. difflugiformis (Brady, 1879)
= *Reophax difflugiformis* Brady, 1879
Bergen, Sognefjord, Lofoten, Barents Sea, Arctic Ocean

L. arenulata (Skinner, 1961)
= *Reophax difflugiformis* Brady, 1879 subsp. *arenulata* Skinner, 1961
= *Proteonina difflugiformis* : Höglund, 1947
Skagerrak at 215-220 m., Faeroe Channel, off Greenland, Novaja Zemlja, Wales

L. cf. *hancocki* (Cushman & McCulloch, 1948)
= *Proteonina compressa* Cushman & McCulloch, 1939, non ?, 19??
Wales

Ovammia Dahlgren, 1962
= *Dahlgrenia* Lena, 1974, non Bondar, 1942 (TM *D. patagoniensis* Lena, 1974)
= *Dahlgreniella* Lena & D. Haman, 1980 (TM *D. patagoniensis* Lena, 1974)

O. opaca Dahlgren, 1962 (TM)
Gullmar Fjord to 1 m.

Saccammia Carpenter, 1869
= *Saccammia* M. Sars, 1869 (nom. nud.)

S. sphaerica Brady, 1871 (TM)
= *S. sphaerica* M. Sars, 1869 (nom. nud.)
= *S. sphaerica* G.O. Sars, 1871
Koster Channel, Skagerrak at 200-700 m., Oslofjord, Bergen, Faeroe Channel, around Britain, Biscay, Greenland, Franz Josefs Land, Arctic Ocean

S. tubulata Rhumbler, in Wiesner, 1931
= *Proteonina* cf. *tubulata* : Höglund, 1947

?Skagerrak at 215-515 m., Oslofjord

S. socialis Brady, 1884
= *S. consociata* Flint, 1899
Faeroe Channel, off S Rockall Bank

S. minuta Rhumbler, 1911
off Hebrides at 2275 m.

Technitella Norman, 1878

T. legumen Norman, 1878 (TM)
Gullmarfjord, Koster Channel, Säcken, Skagerrak, Oslofjord, Bergen, Bukken area, Iceland, Scottish North Sea, Ireland

T. melo Norman, 1878
off S Rockall Bank at 1215 fathoms, Biscay

T. thompsoni Heron-Allen & Earland, 1909
NE Scotland, off E England

T. teivyense Haynes, 1973
Wales

Pilulininae Brady, 1884

Pilulina Carpenter, 1870

P. argentea Höglund, 1947
Skagerrak at 500-700 m.

P. jeffreysii Carpenter, 1875 (TM)
off S Rockall Bank at 630-1476 fathoms.

Thuramininae A.D. Miklukho-Maklay, 1963

Astramina Rhumbler, in Wiesner, 1931

A. rara Rhumbler, in Wiesner, 1931 (TM)
= *Armorella sphaerica* Heron-Allen & Earland, 1932 (TM of *Armorella* Heron-Allen & Earland, 1932)
= *Pelospaera cornuta* Heron-Allen & Earland, 1932 (TM of *Pelospaera* Heron-Allen & Earland, 1932)
Kieler Bucht, Kattegatt, Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Spitsbergen

Pseudothuramina D.B. Scott, Mediolio & M.A. Williamson, 1981 (TM *Thuramina?* *limnetis* D.B. Scott & Mediolio, 1980)

P. sp.
Kieler Bucht

Thuramina Brady, 1879

T. papillata Brady, 1879 (TM)
off Lofoten, North Sea, around Britain, Faeroe Channel

T. faerleensis Höglund, 19??
= *T. (?) sphaerica* Höglund, 1947, non ?, 1???
Gullmarfjord, Uddevalla

T. compressa Brady, 1879
off S Rockall Bank at 630 fathoms

Hemisphaeramminidae Loeblich & Tappan, 1961

Hemisphaerammininae Loeblich & Tappan, 1961

Ammopemphix Loeblich, 1952 (TM *Urnula quadrupla* Wiesner, 1931)
= *Urnula* Wiesner, 1931, non Claparède & Lachmann, 1857

A. arctica (Cushman, 1933)
= *Urnula arctica* Cushman, 1933
NE Greenland

Hemisphaerammina Loeblich & Tappan, 1957 (TM *H. botalleri* Loeblich & Tappan, 1957)
= *Fairiella* Summerson, 1958 (TM *F. dicantha* Summerson, 1958)
= *Iridiella* Shchedrina, 1962 (TM *I. marisalbi* Shchedrina, 1962)
= *Metamorphina* Browne, in Browne & Schott, 1963 (TM *Webbinella tholus* Moreman, 1933)

H. bradyi Loeblich & Tappan, 1957
= *Webbina hemisphaerica* Brady, 1884, non Parker, Jones & Brady, 1866
* There are doubts whether this is a protozoan and not an egg capsule of a gastropod.
North Sea, Wales

Iridia Heron-Allen & Earland, 1914

I. diaphana Heron-Allen & Earland, 1914 (TM)
Plymouth on sandy sediment at 5 fathoms, W Scotland, SE Africa

Tholosina Rhumbler, 1895

T. bulla (Brady, 1881)
= *Placopsilina bulla* Brady, 1881 (TM)
Skagerrak, Drøbak, Bergen, Lofoten, off NW Ireland, Barents Sea

T. vesicularis (Brady, 1879)
= *Placopsilina vesicularis* Brady, 1879
* On red algae & stones
Kieler Bucht, Belt Sea, Drøbak, Shetland-Faeroe Channel, between NW Ireland & Rockall Bank

T. sp.: Nagy, 1965
Spitsbergen

Crithioninae Hofker, 1972

Crithionina Goës, 1894 (TM *C. mamilla* Goës, 1894)

C. granum Goës, 1894
Gullmarfjord, Singlefjord, Skagerrak, Oslofjord, Bergen

C. mamilla Goës, 1894
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Bergen, North Sea, Faeroe Channel, W Scotland, W Ireland

C. pisum Goës, 1896
= *C. abyssorum* Kier, 1899
Skagerrak at >200 m, Oslofjord, Bergen, Stadt, Lofoten

C. heinckeii Rhumbler, 1928
* On red algae & stones
W Baltic

C. pisum Goës, 1896 var. *hispidia* Flint, 1899
= *C. abyssorum* Kiaer, 1899 (p.p.)
Skagerrak at 200-700 m., Oslofjord, Bergen, Faeroe Channel

Pseudoweibbinella Shchedrina, 1962

P. goesi (Höglund, 1947)
= *Crithionina goesi* Höglund, 1947 (TM)
= *Placopsilina bulla* : Goës, 1894, non Brady, 18??
Bohusl., Koster Channel, Skagerrak, Oslofjord, North Sea, Norway, White Sea, Arctic Ocean

Komokioacea Tendal & Hessler, 1977

Komokiidae Tendal & Hessler, 1977

Ipoa Tendal & Hessler, 1977 (TM *Ipoa fragula* Tendal & Hessler, 1977)

I. sp.: Tendal & Hessler, 1977
off Biscay in deep water

Lana Tendal & Hessler, 1977 (TM *Lana neglecta* Tendal & Hessler, 1977)

L. sp.: Tendal & Hessler, 1977
Skagerrak at 400 m, off Bergen at 670 m.

Normanina Cushman, 1928

N. conferta (Norman, 1878)
= *Haliphysena confertum* Norman, 1878 (TM)
* The Oslofjord specimen may be another species according to Tendal & Hessler, 1977
?Oslofjord at 202 m., Davis Strait

N. sp.: Tendal & Hessler, 1977
off Biscay in deep water

Septuma Tendal & Hessler, 1977 (TM *Septuma ocotillo* Tendal & Hessler, 1977)

S. sp.: Tendal & Hessler, 1977
off Biscay in deep water

Baculellidae Tendal & Hessler, 1977

Baculella Tendal & Hessler, 1977 (TM *Baculella globofera* Tendal & Hessler, 1977)

B. sp.: Tendal & Hessler, 1977
off Biscay in deep water

Edgertonia Tendal & Hessler, 1977 (TM *Edgertonia tolerans* Tendal & Hessler, 1977)

E. sp.: Tendal & Hessler, 1977
off Biscay in deep water

Globipelorhiza Cedhagen & Mattson, 1991

G. sublittoralis Cedhagen & Mattson, 1991 (TM)
Koster Channel, Bergen, N Norway

Hippocrepinacea Rhumbler, 1895

Hippocrepinidae Rhumbler, 1895

Hyperammininae Eimer & Fickert, 1899

Botellina Carpenter, Jeffreys & Thomson, 1870

B. labyrinthica Brady, 1881 (TM)
Koster, Bergen, Hammerfest, Faeroe Channel, NE & W Scotland, N Ireland, N Atlantic at 835-913 m.

Hyperammina Brady, 1878
= *Bactrammina* Eimer & Fickert, 1899 (TM *H. elongata* Brady, 1878)
* What is *Hyperammina arborescens* Norman, cited by Kiaer, 1900 from Bergen (Novaja Zemlja - S Africa, 40-700m)?

H. elongata Brady, 1878 (TM)
Koster Channel, Skagerrak at 200-507 m., Oslofjord, Bergen, Faeroes, NE Greenland, Novaja Zemlja, Franz Joseph Land

H. laevigata Wright, 1891
= *H. elongata* Brady, 1878 var. *laevigata* Wright, 1891
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Bergen, off Ireland, Barents Sea

H. friabilis Brady, 1884
Skagerrak at >200 m., Oslofjord, Bergen, around Britain

H. fragilis Höglund, 1947
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Greenland

H. bradyi Shchedrina, 19??
Barents Sea

H. sp.: Nørvang, 1945
Iceland

Saccorhiza Eimer & Fickert, 1899
?= *Pseudoschizammia* Saidova, 1975 (TM *P. edita* Saidova, 1975)

S. ramosa (Brady, 1879)
= *Hyperammina ramosa* Brady, 1879 (TM)
Hardangerfjord, Bergen, Sognefjord, Stadt, Iceland, Barents Sea, Franz Josef's Land, Arctic Ocean

Hippocrepininae Rhumbler, 1895

Hippocrepina Parker, in G.M. Dawson, 1870

H. acuta (Höglund, 1947)
= *Hippocrepinella acuta* Höglund, 1947
Gullmarfjord

H. cylindrica Höglund, 1947
Skagerrak at 500-510 m., Oslofjord

H. indivisa Parker, in G.M. Dawson, 1870 (TM)
Norway, NE Scotland, W Ireland, W Greenland, Barents Sea, Novaja Zemlja, NW Atlantic, Arctic Ocean

H. pusilla Heron-Allen & Earland, 1930
Kattegatt, Gullmarfjord, Koster Channel, Oslofjord, North Sea, Plymouth

H. flexibilis (Wiesner, 1931)
= *Technitella flexibilis* Wiesner, 1931
= *Hippocrepinella remanei* Rhumbler, 1935
Stolper Rinne, Kieler Bucht, Belt Sea

Jaculella Brady, 1879

J. acuta Brady, 1879 (TM)
off W Norway, Shetlands

J. obtusa Brady,1882
Koster Channel, Drøbak, Bergen, Faeroe Channel, Iceland, off W Scotland, W Ireland, Siberian Arctic

Ammodiscacea Reuss,1862

Ammodiscidae Reuss,1862

Ammodiscinae Reuss,1862

Ammodiscus Reuss,1862 (™ *Ammodiscus infimus* L.G. Bornemann,1874, non *Orbis infimus* Strickland,1846)
= *Grzybowskiella* Myatlyuk,1970 (™ *Cornuspira angusta* Friedberg,1901)

A. catinus Höglund,1947
= *A. incertus* : Goës,1894 (p.p.), non (d'Orbigny, in de la Saga,1839)
Gullmarfjord at 58-118 m, Koster Channel, Säckén, Skagerrak at 66-700m., Oslofjord

A. gullmarensis Höglund,1948
= *A. planus* Höglund,1947, non Loeblich,1946
Gullmarfjord at 24-79 m., Oslofjord, Shetlands, Spitsbergen

A. minimus Höglund,1947
Skagerrak at 196-352 m.

A. planorbis Höglund,1947
Skagerrak at 199-700 m., ?off Portugal

A. intermedius Höglund,1947
= *A. tenuis* : Goes,1894, non Brady,1884
Gullmarfjord, Koster Channel, Oslofjord, ?Gulf of Mexico

A. arenacea (Williamson,1858)
= *Spirillina arenacea* Williamson,1858
Plymouth

Arenoturrisspirillina Tairov,1956 (™ *A. aptica* Tairov,1956)

A. sp.
Gullmar Fjord at 67-200 m.

Spirillinoides Rhumbler,1938

S. circumcinctus Rhumbler,1938 (™)
Helgoland

Tolypammininae Cushman,1928

Ammolagena Eimer & Fickert,1899

A. clavata (Jones & Parker,1860)
= *Trochammina irregularis* (d'Orbigny) var. *clavata* Jones & Parker,1860 (™)
= *Webbina clavata* : Brady,1884, : Goës,1894
* Kiaer,1900 comments upon a *Webbina tenuicollis* M. Sars from Oslofjord & Lofoten, which greatly remind of *Webbina clavata*, but is yellowish white. Are they synonyms?
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Bergen, Trondheim, Faeroe Channel, Greenland, off Ireland, Mediterranean

Tolypammina Rhumbler,1895
= *Serpulella* Eimer & Fickert,1899

T. vagans (Brady,1879)
= *Hyperammina vagans* Brady,1879 (™)
Drøbak, Bergen, Spitsbergen, around Britain

T. schaudinni Rhumbler,1903
off Hebrides at 1524 m.

Ammovertellinae Saidova,1981

Glomospira Rzehak,1885
= *Gordiammina* Rhumbler,1895

G. charoides (Jones & Parker,1860)
= *Trochammina squamata* Jones & Parker, var. *charoides* Jones & Parker,1860
Gullmarfjord, Koster Channel, Säckén, Skagerrak at 204-700 m., Oslofjord, Bergen, around Britain, Faeroe Channel, Biscay, Mediterranean

G. glomerata Höglund,1947
Kattegatt, Gullmarfjord at 24-67 m., Oslofjord

G. gordialis (Jones & Parker,1860)
= *Trochammina squamata* Jones & Parker, var. *gordialis* Jones & Parker,1860 (™)
Britain, France, Mediterranean, Arctic Ocean

G. patelliformis Kiaer,1900
* "Differs from *Ammodiscus incertus* only in the construction of the final convolution"
Drøbak at 100m, Bundefjord, Frierfjord

Usbekistaninae Vyalov,1968

Turritellella Rhumbler,1904

T. shoneana (Siddall,1878)
= *Trochammina shoneana* Siddall,1878 (™)
Gullmarfjord, North Sea, Britain, Ireland, N Greenland

T. spectabilis (Brady,1881)
= *Ammodiscus spectabilis* Brady,1881
off Britain at 358 fathoms

Rzehakinacea Cushman,1933

Rzehakinidae Cushman,1933

Miliammina Heron-Allen & Earland,1930

M. fusca (Brady,1870)
= *Quinqueloculina fusca* Brady,1870
= *Quinqueloculina agglutinans* : Brady,1867, non d'Orbigny, in de la Sagra,1839
= *Miliammina earlandi* Loeblich & Tappan,1955
off W Bornholm, Kieler Bucht, Öresund, Oslofjord, Netherlands, Wadden Sea, W North Sea, Wales, W Scotland, Ireland, Engl. Channel

M. arenacea (Chapman,1916) : Gabel,1971
= *Miliolina oblonga* (Montagu), var. *arenacea* Chapman,1916, non *Miliolina arenacea* Rhumbler,1906 (™)
North Sea

Silicosigmoilina Cushman & Church,1929 (™ *Silicosigmoilina californica* Cushman & Church,1929)

S. groenlandica (Cushman,1933)
= *Quinqueloculina fusca* Brady,1870, var. *groenlandica* Cushman,1933
* Correct genus?

?Iceland, W & NE Greenland

Hormosinacea Haeckel,1894

Aschemocellidae Vyalov,1966

Kalamopsis de Folin,1883

K. vaillanti de Folin,1883 (™)
Biscay

Telamminidae Loeblich & Tappan,1985

Tellamina Gooday & Haynes,1983

T. fragilis Gooday & Haynes,1983 (™)
NE Atlantic

Tumidotubus Gooday & Haynes,1983

T. albus Gooday & Haynes,1983
NE Atlantic

Hormosinidae Haeckel,1894

Reophacinae Cushman,1910

Hormosinella Shchedrina,1969

H. distans (Brady,1881)
= *Reophax distans* Brady,1881 (™)
Faeroe Channel

Leptohalysis Loeblich & Tappan,1984

L. catella (Höglund,1947)
= *Reophax catella* Höglund,1947 (™)
Gullmarfjord at 20-79 m., Skagerrak at 66-305 m., Norway at 150-200 m., England at 20-46 m.

L. catenata (Höglund,1947)
= *Reophax catenata* Höglund,1947
* Correct genus?
Gullmarfjord, Malmönfjord, Oslofjord

L. gracilis (Kiaer,1900)
= *Nodulina gracilis* Kiaer,1900
= *Reophax gracilis* : Höglund,1947
* Correct genus?
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, Drammenfjord, Frierfjord

L. scottii (Chaster,1892)
= *Reophax scottii* Chaster,1892
* Correct genus?
Kattegatt, Gullmarfjord, Skagerrack, Drøbak, NE & W Scotland, W Ireland, Engl. Channel

Nodulina Rhumbler,1895

N. dentaliniformis (Brady,1881)
= *Reophax dentaliniformis* Brady,1881 (™)
Kattegatt, Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Bergen, Barents Sea

Reophax de Montfort,1808
= *Proteonina* Williamson,1858
= *Lituolina* Goës,1881

R. subfusiformis Earland,1933
Oslofjord

R. curtus Cushman,1920
= *R. subfusiformis* : Höglund,1947 (p.p.)
= *R. scorpiurus* : Goës,1894 (p.p. - plate 5, fig. 160-163), non Montfort,1808
Kattegatt, Gullmarfjord, Koster Channel, Skagerrak, North Sea, W & NE Greenland, Barents Sea

R. decorata (Earland,1933)
= *Proteonina decorata* Earland,1933
* Correct genus?
Kieler Bucht, Drøbak

R. fusiformis (Williamson,1858)
= *Proteonina fusiformis* Williamson,1858 (™ of *Proteonina* Williamson,1858)
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, Engl. Channel, SW Britain, NW Scotland, Wales, Barents Sea, off Greenland, Spitsbergen, Novaja Zemlja

R. nodulosa Brady,1879
Koster Channel, North Sea, Novaja Zemlja, Franz Josef's Land

R. guttifera Brady,1881
Skagerrak, Oslofjord, Faeroe Channel, Spitsbergen

R. nana Rhumbler,1913
? = *R. communis* Lacroix,1930
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord

R. pilulifera Brady,1884
= *R. subfusiformis* : Höglund,1947 (p.p. - plate 9, fig. 3.)
Skagerrak, Bergen, off W & SW Ireland

R. agglutinatus Cushman,1920
Bergen

R. regularis Höglund,1947
= *R. dentaliniforme* : Goës,1894, non Brady,1884
central - S & W Baltic, Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, North Sea

R. rostrata Höglund,1947
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, off Shetlands

R. scorpiurus de Montfort,1808 (™)
Gullmarfjord, Skagerrak, Drøbak, Bergen, Lofoten, N Norway, Engl. Channel, Arcachon, Iceland, NE Greenland, Barents Sea, Arctic Ocean

R. sp. I Höglund,1947
Gullmarfjord

R. sp. II Höglund,1947
Skagerrak

R. moniliformis Siddall,1886
Engl. Channel, Wales, W Scotland, W Ireland

R. micacea (Cushman,1918) : Gabel,1971
= *Proteonina micacea* Cushman,1918
North Sea

- R. amblystoma* (Rhumbler,1911)
= *Protonina amblystoma* Rhumbler,1911
* Correct genus?
off Hebrides at 2275 m.
- R. bacillaris* Brady,1881
off S Rockall Bank, off SW Greenland
- R. sabulosa* Brady,1882
off W Trondheimsfjord at 911m, Faeroe Channel
- R. flexibilis* Schlumberger,18??
Barents Sea
- R. cf. tubulosa* (Rhumbler,19??) : Gabel,1971
North Sea
- Scherochorella* Loeblich & Tappan,1984 (™ *Reophax minuta* Tappan,1940)
- Subreophax* Saidova,1975
- S. aduncus* (Brady, in Tizard & Murray,1882)
= *Reophax adunca* Brady, in Tizard & Murray,1882 (™)
SW Baltic, Kattegatt, Faeroe Channel
- Cuneatinae* Loeblich & Tappan,1984
- Cuneata* K.V. Fursenko,1979
- C. arctica* (Brady,1881)
= *Reophax arctica* Brady,1881 (™)
= *Bigenerina arctica* : Cushman,1948
NE & W Greenland, Spitsbergen, Novaja Zemlja, Wales, Engl. Channel
- Hormosininae* Haeckel,1894
- Archimerismus* Loeblich & Tappan,1984 (™ *Hyperammina subnodosa* Brady,1884)
- A. subnodosa* (Brady,1884)
= *Hyperammina subnodosa* Brady,1884 : Gabel,1971
North Sea, Barents Sea
- Hormosina* Brady,1879
- H. globulifera* Brady,1879 (™)
Skagerrak at 500-510 m., Barents Sea
- H. carpenteri* Brady,1881
Faeroe Channel, Rockall Bank, W Ireland
- H. normani* Brady,1881
off NW Ireland at 2524 m.
- Loeblichopsis* Hofker,1967
- L. cylindricus* (Brady,1884)
= *Reophax cylindrica* Brady,1884 (™)
off SW Greenland at 3200 m.
- Reophanus* Saidova,1970
- R. ovicula* (Brady,1879)
= *Hormosina ovicula* Brady,1879 (™)
Barents Sea
- Siliconodosarina* Colom,1963
- S. delicatula* Colom,1963 (™)
Vigo Bay
- Thomasinellidae* Loeblich & Tappan,1984
- Protoschista* Eimer & Fickert,1899
- P. findens* (Parker, in Dawson,1870)
= *Lituola findens* Parker, in Dawson,1870 (™)
= *Reophax findens* : Auert.
NW, N & NE Greenland, off Ireland
- Lituolacea* de Blainville,1827
- Haplophragmoididae* Maync,1952
- Buzasina* Loeblich & Tappan,1985 (™ *Trochammina ringens* Brady,1879)
= *Cystaminella* Lukina,1980, non Myatluyk,1966
- Cribrostomoides* Cushman,1910
- C. subglobosa* (G.O. Sars,1872)
= *Lituola subglobosa* G.O. Sars,1872
= *Cribrostomoides bradyi* Cushman,1910 (™)
= *Labrospira subglobosa* : Höglund,1947
Koster Channel, Skagerrak at 500-700 m., Oslofjord, Bergen, off Britain, Spitsbergen, Franz Josefs Land, Arctic Ocean
- C. nitida* (Goës,1896)
= *Haplophragmium nitidum* Goës,1896
= *Labrospira nitida* : Höglund,1947
Koster Channel, Skagerrak at 200-700 m., Oslofjord, Caribbean
- C. jeffreysi* (Williamson,1858)
= *Nonionina jeffreysi* Williamson,1858
= *Labrospira jeffreysi* : Höglund,1947
= *Alveophragmium jeffreysi* : Loeblich & Tappan,1953
?Arcona Basin, Gullmarfjord, Skagerrak at 68-305 m., Engl. Channel, Ireland, Barents Sea, NE & W Greenland
- C. kosterensis* (Höglund,1947)
= *Labrospira kosterensis* Höglund,1947
Gullmarfjord, Koster Channel, Oslofjord, North Sea, Bergen, Hardangerfjord, Greenland
- C. wiesneri* Parr,19?? : Gabel,1971
North Sea
- C. arctica* (Parker,1???) : Gabel,1971
North Sea
- Haplophragmoides* Cushman,1910
= *Recurviodella* Uchio,1960 (™ *R. parkerae* Uchio,1960)
= *Linguaferrina* Alekseychik-Mitskevich,1973 (™ *Haplophragmoides subsphaeroides* Subbotina,1950)
= *Pauciloculina* Alekseychik-Mitskevich,1973 (™ *Haplophragmoides kirki* Wickenden,1932)
= *Subitina* Alekseychik-Mitskevich,1973 (™ *Haplophragmoides tenuis* Cushman,1927)
= *Pseudohaplophragmoides* Saidova,1981 (™ *Haplophragmoides ultimus* Saidova,1975)
- H. bradyi* (Robertson,1891)
= *Trochammina robertsoni* Brady,1887, : Goës,1894
= *Trochammina bradyi* Robertson,1891
Kattegatt, Gullmarfjord, Skagerrak, Drøbak, Bergen, Bukkenfjord, Vadsø, off W Britain, off SW Ireland
- H. fragile* Höglund,1947
Gullmarfjord at 15-80 m., Oslofjord
- H. membranaceum* Höglund,1947
Gullmarfjord at 24-79 m., Oslofjord
- H. pusillum* Höglund,1947
Gullmarfjord, Oslofjord
- H. wilberti* Anderson,1953
?= *Cribrostomoides jeffreysi* : Lutze,1965, non (Williamson,1858)
?SW Baltic, Wales
- H. scitulum* (Brady,1881)
= *Haplophragmium scitulum* Brady,1881
Faeroe Channel, Cape Verde
- H. canariense* (d'Orbigny,1839)
= *Nonionina canariense* d'Orbigny,1839 (™)
Helgoland, Barents Sea, Novaja Zemlja
- H. major* Cushman,1920
Iceland
- Labrospira* Höglund,1947
- L. crassimargo* (Norman,1892)
= *Haplophragmium crassimargo* Norman,1892 (™)
Kattegatt, Gullmarfjord, Skagerrak at 66-300 m., Oslofjord, North Sea, N Norway, Spitsbergen, Barents Sea, W & NE Greenland
- Discamminidae* Mikhalevich,1980
- Ammoscalaria* Höglund,1947
- A. tenuimargo* (Brady, in Tizard & Murray,1882)
= *Haplophragmium tenuimargo* Brady, in Tizard & Murray,1882 (™)
Koster Channel, Skagerrak at 200-700 m., Oslofjord, Faeroe Channel
- A. pseudospiralis* (Williamson,1858)
= *Protonina pseudospiralis* Williamson,1858
= *Ammobaculites pseudospirale* : Cushman,1920
Arcona Basin, Kattegatt at 15-55 m., Gullmarfjord, Skagerrak at 68-106 m., Drøbak, Bergen, Iceland, W Scotland, Ireland, Cornwall, Arcachon, Galicia
- A. runiana* (Heron-Allen & Earland,1916)
= *Haplophragmium runianum* Heron-Allen & Earland,1916
= *Anmodiscus rhumbleri* Rottgardt,1952
Belt Sea, Kattegatt, at 0-10 m., Gullmarfjord at 9-33 m., Drøbak, Plymouth, W Scotland
- Discammina* Lacroix,1932
- D. compressa* (Goës,1882) : Gabel,1971
= *Lituolina irregularis* var. *compressa* Goës,1882
= *Discammina fallax* Lacroix,1932 (™)
North Sea, Mediterranean
- Lituotubidae* Loeblich & Tappan,1984
- Trochamminoides* Cushman,1910 (™ *Trochammina proteus* Karrer,1866)
- Lituolidae* de Blainville,1827
- Ammomarginulininae* Podobina,1978
- Ammobaculites* Cushman,1910 (™ *Spirolina agglutinans* d'Orbigny,1846 - Miocene)
- A. balkwilli* Haynes,1973
= *Haplophragmium agglutinans* : Balkwill & Wright,1885, non *Spirolina agglutinans* d'Orbigny,1846
Irish Sea, Wales
- A. agglutinans* (d'Orbigny,1846)
= *Spirolina agglutinans* d'Orbigny,1846
* may have been misidentified *A. balkwilli* Haynes
Oslofjord
- Ammomarginulina* Wiesner,1931 (™ *A. ensis* Wiesner,1931)
- Ammotium* Loeblich & Tappan,1953
- A. cassis* (Parker, in Dawson,1870)
= *Lituola cassis* Parker, in Dawson,1870 (™)
= *Ammobaculites cassis* : Auert.
W Baltic, Kattegatt, Uddevalla, Oslofjord (dominating in the upper 10 m.), Spitsbergen, Barents Sea, NE & W Greenland
- Eratidus* Saidova,1975
- E. foliaceum* (Brady,1881)
= *Haplophragmium foliaceum* Brady,1881 (™)
= *Ammobaculites foliaceus* : Auert.
Iceland, central N Atlantic
- Flabellamininae* Podobina,1978
- Triplasia* Reuss,1854 (™ *T. murchisoni* Reuss,1854)
- T. bicamerata* (Heron-Allen & Earland,1930)
= *Orthocerina bicamerata* Heron-Allen & Earland,1930
* Correct genus???
- Lituolinae* de Blainville,1827
- Lituola* de Lamarck,1804 (™ *Lituolites nauitloidea* de Lamarck,1804)
= *Lituolites* de Lamarck,1804
- Placopsilinae* Rhumbler,1913
- Placopsilinae* Rhumbler,1913
- Placopsilina* d'Orbigny,1850
- P. cenomana* d'Orbigny,1850 (™)
S Britain - southwards to tropical & subtropical seas
- P. confusa* Cushman,1920

Gullmarfjord at 35-50 m.

Haplophragmiacea Eimer & Fickert,1899

Ammosphaeroidinidae Cushman,1927

Ammosphaeroidininae Cushman,1927

Adercotryma Loeblich & Tappan,1952

A. glomeratum (Brady,1878)
= *Lituola glomerata* Brady,1878 (TM)
= *Haplophragmoides glomeratum* : Auctt.
Oresund, Kattegatt, Gullmarfjord, Oslofjord, Scotland, Ireland, NW & NE Greenland, Novaja Zemlja, Franz Josefs Land, Japan

Ammosphaeroidina Cushman,1910 (TM *Haplophragmium sphaeroidiniformae* Brady,1884)

Cystamina Neumayr,1889 (TM *Trochammina pauciloculata* Brady,1879)

Recurvoidinae Alekseychik-Mitskevich,1973

Recurvoides Earland,1934 (TM *R. contortus* Earland,1934)

R. laevigatum Höglund,1947
Koster Channel, Skagerrak, Oslofjord

R. trochamminiforme Höglund,1947
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord

R. turbinatus (Brady,1881)
= *Haplophragmium turbinatum* Brady,1881
= *Trochammina turbinata* : Cushman,1948
Spitsbergen, NE & NW Greenland

Thalmanamina Pokorný,1951 (TM *Haplophragmium subtrubatum* Grzybowski,1898)
= *Congolophragmium* Bermúdez & Rivero,1963 (TM *Trochammina conglobata* Brady,1884)

Coscinophragmatacea Thalman,1951

Coscinophragmatidae Thalman,1951

Ammotrochoides Janin,1984 (TM *A. bignoti* Janin,1984)

Loftusia Brady,1884

Cyclamminidae Marie,1941

Alveolophragmiinae Saidova,1981

Alveolophragmium Shchedrina,1936

A. orbiculatum Shchedrina,1936 (TM)
= *Haplophragmoides subglobosum* : Colom,1952, non *Lituola subglobosa* G.O. Sars,1872
Kara Sea, Sea of Okhotsk, W approaches to the Engl. Channel, off Galicia

A. wiesneri (Parr,19??) : Gabel,1971
North Sea

Cyclammininae Marie,1941

Cyclamina Brady,1879

C. cancellata Brady,1879 (TM)
W approaches to the Engl. Channel at >420 m., off Galicia

Spiroplectaminacea Cushman,1927

Spiroplectaminidae Cushman,1927

Spiroplectamininae Cushman,1927

Spiroplectamina Cushman,1927

S. biformis (Parker & Jones,1865)
= *Textularia agglutinans* d'Orbigny var. *biformis* Parker & Jones,1865 (TM)
SW Baltic, Oresund, Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, Spitsbergen, Barents Sea, Engl. Channel, Davis Strait, NE Greenland, Arctic Ocean

S. earlandi (Parker,1952)
= *Textularia elegans* Lacroix,1931, non *Plecanium elegans* von Hantken,1876?
= *Textularia earlandi* Parker,1952
= *Textularia tenuissima* Earland,1933, non Hausler,1881
Kattegatt, Gullmarfjord, Skagerrak, Drøbak, Faeroes, SW Ireland, Cornwall, Wales, Engl. Channel, Mediterranean

S. fusca (Earland,1905)
= *Spiroplecta fusca* Earland,1905
* Correct genus???
around Britain

S. sp. : Gabel,1971
Skagerrak

Spiroplectinella Kisel'man,1972 (TM *Spiroplecta wrightii* Silvestri,1903)

S. wrightii (Silvestri,1903)
= *Spiroplecta sagittula* Wright,1891, non *Textularia sagittula* Defrance, in de Blainville,1824
= *Spiroplecta wrightii* Silvestri,1903
= *Textularia sagittula* : Auctt., non Defrance, in de Blainville,1824
= *Spiroplectamina wrightii* : Auctt.
?= *Textularia williamsoni* Goës,1894
Gullmarfjord, Drøbak, Skagerrak, North Sea, Belgium, Plymouth, W Britain, Arcachon, Galicia, Mediterranean

Vulvulininae Saidova,1981

Vulvulina d'Orbigny,1826 (TM *V. capreolus* d'Orbigny,1826 = *Nautilus (Orthoceras) pennatula* Batsch,1791)
= *Schizophora* Reuss,1861 (TM *S. neugeboreni* Reuss,1861)
= *Venilina* GümbeL,1870 (TM *V. nummulina* GümbeL,1870)
* *Bigennerina sarsi* Kiaer,1900 from Lofoten, 200-1200m, is considered to "differ from *B. capreolus*, and *pennatula* by the more horizontally connected segments, their far greater number in the biserial series, and the elongated form, tapering towards the apex"

Morulaeplectinae Saidova,1981

Morulaeplecta Höglund,1947

M. bulbosa Höglund,1947 (TM)
Kattegatt, Gullmarfjord at 20-50 m., Skagerrak, Oslofjord

Pseudobolvinidae Wiesner,1931

Lacroixina Saidova,1981

L. cochleata (Lacroix,1932)
= *Textularia cochleata* Lacroix,1932 (TM)
* Only known from one Mediterranean & one Swedish specimen.
Gullmar Fjord at 32 m., Mediterranean

Parvigenerina Vella,1957 (TM *Bifarina porrecta* (Brady) var. *arenacea* Heron-Allen & Earland,1922)

Nouridae Chapman & Parr,1936

Nouria Heron-Allen & Earland,1914 (TM *N. polymorphoides* Heron-Allen & Earland,1914)

Trochamminacea Schwager,1877

Trochamminidae Schwager,1877

Trochammininae Schwager,1877

Ammoglobigerina Eimer & Fickert,1899
= *Trochoporina* Soliman,1972 (TM *Trochoporina praeglobigeriniformis* Soliman,1972)
= *Globotrochamminopsis* Brönnimann & Whittaker, in Brönnimann & Aninetti,1984 (TM *Trochammina globulosa* Cushman,1920)

A. globigeriniformis (Parker & Jones,1865)
= *Lituola nautiloidea* de Lamarck var. *globigeriniformis* Parker & Jones,1865
= *Ammoglobigerina bulloides* Eimer & Fickert,1899 (TM)
Bergen, North Sea, N Atlantic, Franz Josefs Land

A. globigeriniformis (Parker & Jones,1865) var. *pygmaea* (Höglund,1947)
= *Trochammina globigeriniformis* Parker & Jones,1865 var. *pygmaea* Höglund,1947
Skagerrak at 400-515 m., S & W Britain, Engl. Channel, SW Ireland

Paratrochammina Brönnimann,1979 (TM *P. madeirae* Brönnimann,1979)

Tritaxis Schubert,1921

T. fusca (Williamson,1858)
= *Rotulina fusca* Williamson,1858 (TM)
= *Valvulina fusca* : Auctt.
* probably clinging to firm substrates.
Skagerrak at 400-626 m., Drøbak, Lofoten, Belgium, Scotland, Shetlands, Iceland, Barents Sea, W Scotland, W Ireland, Galicia, Canaries

T. conica (Parker & Jones,1865)

= *Valvulina conica* : Auctt.
= *Valvulina triangularis* d'Orbigny,1826 var. *conica* Parker & Jones,1865
Gullmarfjord, Skagerrak at 200-700 m., Oslofjord, Bergen, Engl. Channel, W Scotland, Faeroe Channel, Mediterranean

Trochammina Parker & Jones,1859

T. inflata (Montagu,1808)

= *Nautilus inflatus* Montagu,1808 (TM)
German Baltic, Wadden Sea, Devon - in brackish water, Wales, NW Scotland, Engl. Channel, Biscay, Mediterranean

T. rotaliformis Wright, in Heron-Allen & Earland,1911

* may cling to firm substrates.
Koster Channel, Skagerrak, Drøbak, Spitsbergen, Belgium, Engl. Channel, off Ireland, Arcachon, NE & W Greenland

T. vesicularis Goës,1894

* Correct genus?
Spitsbergen

T. adaperata Rhumbler,1938

= *Trochammina squamata* Jones & Parker var. *adaperata* Rhumbler,1938

Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Helgoland

T. squamata Jones & Parker,1860

Novaja Zemlja, Britain, Ireland

T. squamata Jones & Parker, var. *pluricubiculata* Rhumbler,1938

Helgoland

T. squamata Jones & Parker, var. *obtusa* Rhumbler,1938

Helgoland

T. astrifica Rhumbler,1938

= *Trochammina squamata astrifica* Rhumbler,1938

Kattegatt, Gullmarfjord, Skagerrak, Helgoland, Plymouth, Wales

T. intermedia Rhumbler,1938

= *T. squamata* Jones & Parker, var. *intermedia* Rhumbler,1938

Skagerrak at 66 m., Helgoland, Ireland, Wales

T. labiosa Höglund,1947

Gullmarfjord treshold, Skagerrak, Oslofjord

T. stellata Höglund,1947

Kattegatt, mouth of Gullmarfjord, Koster Channel, Skagerrak

T. multiloculata Höglund,1947

Koster Channel, Skagerrak

T. nana (Brady,1881)

= *Haplophragmium nanum* Brady,1881

North Sea, NE & NW Greenland, Novaja Zemlja, Franz Josefs Land, Arctic Ocean

T. haynesi Atkinson,1969

?= *T. sp.* : Lutze,1965

?SW Baltic, Wales

T. karica Stschedrina,19??

Barents Sea

T. aff. laevigata Cushman & Bronnimann,1948 : Murray,1965

Engl. Channel

T.? sp. : Gabel,1971

Sylt

Trochamminopsis Brönnimann,1976

T. quadriloba (Höglund,1948)

= *Trochammina pusilla* Höglund,1947 (TM), non *Serpula pusilla* Geinitz,1848 (= *Trochammina pusilla* (Geinitz)

Jones, Parker & Kirkby,1869)

= *Trochammina quadriloba* Höglund,1948

Koster Channel, Skagerrak, Oslofjord, E Greenland

Trochamminellinae Brönnimann, Zaninetti & Whittaker,1983

Pseudotrochammina Frerichs,1969 (TM *P. triloba* Frerichs,1969)
= *Anmoglobigerinoides* Frerichs,1969 (TM *A. dehiscentis* Frerichs,1969)

P. sp.
Skagerrak

Trochamminella Cushman,1943 (TM *T. siphonifera* Cushman,1943)

T. bullata Höglund,1947
Skagerrak at 500-700 m., Oslofjord

T. atlantica F. Parker,1952
NE & NW Greenland

Jadammininae Saidova,1981

Jadammina Bartenstein & Brand,1938
= *Borovina* Shmal'gausen,1950 (TM *B. zernovi* Shmal'gausen,1950)
= *Trochamminisca* Shchedrina,1955 (TM *T. cyclostoma* Shchedrina,1955)

J. macrescens (Brady,1870)
= *Trochammina inflata* (Montagu) var. *macrescens* H.B. Brady, in G.S. Brady, Robertson & H.B. Brady,1870
= *Jadammina polystoma* Bartenstein & Brand,1938 (TM)
Poland, SW Baltic, Oslofjord, German North Sea coast, Netherlands, Belgium, Engl. Channel, W Scotland, Ireland, Wales

Arenoparrellinae Saidova,1981

Trochamminula Shchedrina,1955

T. fissuraperta Shchedrina,1955 (TM)
Okhotsk Sea, Barents Sea

Polystomammininae Brönnimann & Beurlen,1977

Deuterammina Brönnimann,1976 (TM *Trochammina glabra* Heron-Allen & Earland,1932)

D. (Centrodeuterammina) Brönnimann & Whittaker,1983 **dublinensis** Brönnimann & Whittaker,1983
off Ireland

Lepidodeuterammina Brönnimann & Whittaker,1983

L. ochracea (Williamson,1858)
= *Rotalina ochracea* Williamson,1858 (TM)
= *Trochammina ochracea* : Auctt.
* clinging to pebbles, seaweeds etc. in current-swept areas
Gullmarfjord, Skagerrak, Oslofjord, Helgoland, Belgium, Shetlands, Barents Sea, NW Scotland, Ireland, Engl. Channel, Wales, Arcachon

L. ochracea (Williamson,1858) **heronearlandica** (Rhumblér,1938)
= *Trochammina ochracea* (Williamson,1858) **heronearlandica** Rhumblér,1938)
* Correct genus?
Helgoland

Polystomammina Seiglie,1965
= *Arcoparrella* Mikhalevich,1971 (TM *A. planulata* Mikhalevich,1971)

P. nitida (Brady,1884)
= *Trochammina nitida* Brady,1884 (TM)
SW Baltic, W Scotland, off SW Ireland, N Norway, Novaja Zemlja, Franz Josefs Land

Remaneicidae Loeblich & Tappan,1964

Remaneicinae Loeblich & Tappan,1964

Remaneica Rhumblér,1938

R. helgolandica Rhumblér,1938 (TM)
* the Skagerrak material may possibly be *R. plicata* (Terquem,1875)
?Skagerrak at 66-305 m., Helgoland, Wales

R. plicata plicata (Terquem,1875)
= *Patellina plicata* Terquem,1875
= *Trochammina plicata* : Auctt.
Helgoland, W Scotland, W Ireland, W France

R. plicata (Terquem,1875) **lichenopsis** Rhumblér,1938
Helgoland, W Scotland

Septotrochammina S.Y. Zheng,1979 (TM *S. plicata* (Terquem) sensu S.Y. Zheng, 1979, non *Patellina plicata* Terquem,1876 (= *Remaneica gonzalezi* Seiglie,1964))
= *Remaneicella* Brönnimann, Zaninetti & Whittaker,1983 (TM *Remaneica gonzalezi* Seiglie,1964)

Vermeulinacea Cushman,1911

Prolixoplectidae Loeblich & Tappan,1985

Karrerulina Finlay,1940 (TM *Gaudryina apicularis* Cushman,1911)

Vermeulinidae Cushman,1911

Vermeulininae Cushman,1911

Gaudryina d'Orbigny,1839 (TM *Gaudryina rugosa* d'Orbigny,1840)

G. rudis Wright,1900
* clinging to firm substrates.
S & W Britain, Ireland, Biscay

Vermeulina d'Orbigny,1839 (TM *Vermeulina tricarinata* d'Orbigny,1840)

V. media Höglund,1947
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord

V. europea Christiansen,1958
= *V. pusilla* : Heron-Allen & Earland,1913, non Goës,18??
= *V. advena* : Höglund,1947, non Cushman,1920
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord

V. polystropha Reuss,1846
Novaja Zemlja, Faeroes, off W Ireland, W Scotland, Arctic Ocean

V. minuta Wiesner,19?? : Gabel,1971
North Sea

V. propinqua Brady,1884
warm Faeroe Channel

Ataxopragmiacea Schwager,1877

Globotextularidae Cushman,1927

Globotextularinae Cushman,1927

Globotextularia Eimer & Fickert,1899

G. anceps (Brady,1884)
= *Haplophragmium anceps* Brady,1884 (TM)
Southport, Irish Sea, W Ireland

Liebusellinae Saidova,1981

Liebusella Cushman,1933 (TM *Lituola nautiloidea* de Lamarck var. *soldanii* Jones & Parker,1860)

L. goesi Höglund,1947
= *Bigennerina digitata* : Goës,1894, non d'Orbigny,1826
= *Bigennerina cylindrica* : Nørvang,1941, non Cushman,1922
Kattegatt, Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Bergen

Textulariellidae Grönhagen & Lutherbacher,1966

Textulariella Cushman,1927 (TM *Textularia barrettii* Jones & Parker,1876)
= *Neocuneolina* Bermúdez & Rivero,1963 (TM *Cuneolina pavonia* d'Orbigny var. *angusta* Cushman,1919)

Textulariacea Ehrenberg,1838

Eggerellidae Cushman,1937

Dorothisinae Balakhmatova,1972

Bannerella Loeblich & Tappan,1985 (TM *Textularia gibbosa* d'Orbigny,1826)

B. pseudoturris (Cushman,1922)
= *Textularia pseudoturris* Cushman,1922
= *Dorothis pseudoturris* (Cushman,1937)
* Correct genus?
?Skagerrak, ?Oslofjord

Eggerellinae Cushman,1937

Eggerella Cushman,1935

E. advena (Cushman,1920)
= *Vermeulina advena* Cushman,1920
= *Eggerella arctica* Höglund,1947
non = *Vermeulina advena* : Höglund,1947
= *Vermeulina pygmaea* : Goës,1894, non (Egger,1857), nec Brady,1884
Spitsbergen, NE & W Greenland

E. affixa (Cushman,1911) : Gabel,1971
North Sea

E. bradyi (Cushman,1911)
= *Vermeulina bradyi* Cushman,1911 (TM)
= *Vermeulina pygmaea* : Brady,1884, non *Bulimina pygmaea* Egger,1857
W Ireland, Faeroe Channel, off SW Ireland at 1370-1866 m.

Eggerelloides Haynes,1973

E. scabrum (Williamson,1858)
= *Bulimina scabra* Williamson,1858 (TM)
= *Eggerella scabra* : Auctt.
= *Vermeulina scabra* : Auctt.
Arkona Sea, Belt Sea, Oresund, Kattegatt, Gullmarfjord, Skagerrak, Drøbak, Iceland, S North Sea, all around Britain, Spain

Karrerella Cushman,1933 (TM *Gaudryina siphonella* Reuss,1851)
= *Valvotextularia* Hofker,1951 (TM *Textularia catenata* Cushman,1911)

K. bradyi (Cushman,1911)
= *Gaudryina bradyi* Cushman,1911
Celtic Sea, western approaches of the Engl. Channel

Martinottiella Cushman,1933
= *Listerella* Cushman,1933, non Jahn,1906 (TM *Clavulina primaeva* Cushman,1913)

M. communis (d'Orbigny,1826)
= *Clavulina communis* d'Orbigny,1826 (TM)
Gullmarfjord, Celtic Sea

Meidamonella Loeblich & Tappan,1986

M. novangliae (Cushman,1922)
= *Gaudryina baccata* Schwager,1866, var. *novangliae* Cushman,1922 (TM)
Faeroe Channel

Textulariidae Ehrenberg,1838

Textulariinae Ehrenberg,1838

Bigennerina d'Orbigny,1826

B. nodosaria d'Orbigny,1826 (TM)
Bergen, around Britain

B. cylindrica Cushman,1922
= *Bigennerina digitata* : Brady,1864, non *Gemmulina digitata* d'Orbigny,18??
?Drøbak, SW Ireland

B. robusta Brady,1881
off Shetlands

Sahulita Loeblich & Tappan,1985 (TM *Sahulita patelliformis* Loeblich & Tappan,1985 = *Textularia barkeri* Hofker,1978)

Textularia Defrance,1824 (TM *T. sagittula* Defrance, in de Blainville,1824)
= *Textilina* Nørvang,1966 (TM *Textularia stricta* Cushman,1911)
= *Valvulinella* Saidova,1975 (TM *Textularia milletti* Cushman,1911)
= *Textella* Mikhalevich,1979 (TM *Textularia foliacea* Heron-Allen & Earland var. *occidentalis* Cushman,1922)
= *Norvanganina* Mikhalevich,1981 (TM *Textilina pseudorugosa* Lacroix subsp. *fistulosa* Mikhalevich,1973, non *Textularia sagittula* var. *fistulosa* Brady,1884 (= *Textularia valeriae* Loeblich & Tappan,1988))
= *Textilinata* Botvinnik,1983 (TM *Textilinata cognita* Botvinnik,1983 (= *Textularia sagittula* Defrance,1824))

T. sagittula Defrance, in de Blainville,1824
= *Spiroplectammina sagittula* (Defrance,1824) : Gabel,1971
North Sea

T. sagittula Defrance, in de Blainville,1824, var. **jugosa** Brady,18??
W Scotland

T. bocki Höglund,1947
= *Textilina bocki* : Nørvang,1966
= *Textularia agglutinans* : Goës,1894, non d'Orbigny,1839
= *Textularia gramen* : Balkwill & Wright, non *Valvulina gramen* d'Orbigny,1839
Kattegatt, Gullmarfjord, Malmøfjord, Skagerrak at 29-305 m., Oslofjord, Irish Sea, Celtic Sea, Biscay

- T. truncata* Höglund,1947
Gåsö Channel at 15 m., Hällö at 55-70 m, Oslofjord
- T. kattegattensis* Höglund,1948
= *T. gracillima* Höglund,1947, non Andreae,1884
Öresund, Kattegatt, Gullmarfjord, Skagerrak, Oslofjord
- T. bigenerinoides* Lacroix,1932
Gullmarfjord, Oslofjord, ?Engl. Channel, Mediterranean
- T. contorta* Höglund,1947
Gullmarfjord
- T. skagerakensis* Höglund,1947
Skagerrak at 199-626 m., Oslofjord
- T. torquata* F. Parker,1952
Spitsbergen, W & NE Greenland
- T. agglutinans* d'Orbigny, in de la Sagra,1839
Cuba, ?Arctic Ocean, ?North Sea, ?Iceland
- T. conica* d'Orbigny, in de la Sagra,1839
off Britain
- T. fusiformis* DeFrance,18??
W Scotland
- T. globulosa* Ehrenberg,18??
off Ireland
- T. aspera* Brady,18??
off SE Ireland at 3235 m.
- T. cuneiformis* d'Orbigny,1826
Iceland
- T. candeiana* d'Orbigny, in de la Sagra,1839
?Britain, Cuba
- Siphotextularinae Loeblich & Tappan,1985
- Siphotextularia* Finlay,1939 (TM *S. wairoana* Finlay,1939)
- S. flintii* (Cushman,1911)
= *Textularia flintii* Cushman,1911
western approaches of the Engl. Channel at > 420 m.
- S. rotshauseni* (Phleger & Parker,19??) : Gabel,1971
North Sea
- S. concava* (Karrer,18??)
= *Textularia concava* Karrer,18??
W Ireland, off SW Ireland
- S. concava* (Karrer,18??), var. *heterostoma* Fornasini,19??
off W Scotland
- Planctostomatinae Loeblich & Tappan,1984
- Planctostoma* Loeblich & Tappan,1955 (TM *Textularia luculenta* Brady,1884)
- Pseudogaudryinidae Loeblich & Tappan,1985
- Pseudogaudryinae Loeblich & Tappan,1985
- Migros* Finlay,1939 (TM *Gaudryina medwayensis* Parr,1935)
- Pseudogaudryina* Cushman,1936 (TM *Textularia atlantica* Bailey,1851)
- Valvulinidae Berthelin,1880
- Valvulininae Berthelin,1880
- Clavulina* d'Orbigny,1826 (TM *C. parisiensis* d'Orbigny,1826)
- C. obscura* Chaster,1892
S & W Britain, Celtic Sea, W Ireland
- C.* sp. : Gabel,1971
North Sea
- Goesella* Cushman,1933 (TM *Clavulina rotundata* Cushman,1913)
- Valvulina* d'Orbigny,1826
- V. triangularis* d'Orbigny,1826 (TM)
Sussex
- Tritaxilinae Loeblich & Tappan,1986
- Tritaxilina* Cushman,1911 (TM *Clavulina caperata* Brady,1881)
- FUSULININA Wedekind,1937
* Not including any recent taxa.
- INVOLUTININA Hohenegger & Piller,1977
- Planispirillinae Piller,1978
- Planispirillina* Bermúdez,1952 (TM *Spirillina limbata* Brady, var. *papillosa* Cushman,1915 = *Spirillina margaritifera* Terquem,1880, non Williamson,1858 = *Spirillina terquemii* A. Silvestri,1923)
- P. wrightii* (Heron-Allen & Earland,1930)
= *Spirillina wrightii* Heron-Allen & Earland,1930
= *Spirillina margaritifera* : Wright,1877, ; Terquem,1875, : 1881, : Halkyard,1889, non Williamson,1858
Plymouth
- SPIRILLININA Hohenegger & Piller,1975
- Spirillinidae Reuss & Fritsch,1861
- Mychostomina* Berthelin,1881 (TM *Spirillina vivipara* Ehrenberg var. *revertens* Rhumbler,1906)
- Sejunctella* Loeblich & Tappan,1957
- S. lateseptata* (Terquem,1875)
= *Spirillina lateseptata* O. Terquem,1875
= *Sejunctella earlandi* Loeblich & Tappan,1957 (TM)
Faeroes, Belgium, Engl. Channel
- Spirillina* Ehrenberg,1843
- S. perforata* (Schultze,1854)
= *Cornuspira perforata* : Schultze,1854
Netherlands, Belgium, Engl. Channel, Wales, off Mozambique
- S. vivipara* Ehrenberg,1843 (TM)
* clinging to firm substrates.
Bergen, N Norway, Belgium, Engl. Channel, Biscay
- S. vivipara* Ehrenberg,1843 *runiana* Heron-Allen & Earland,1930
* clinging to firm substrates.
Belgium, Engl. Channel, Biscay, W Scotland
- S. oboenica* Brady,1879
off Faeroes, W Ireland, Plymouth
- S. oboenica* Brady,1879 var. *carinata* Halkyard,1889
= *S. vivipara* Ehrenberg,1843 var. *carinata* Halkyard,1889
* Correct genus?
Plymouth
- S. groomii* Chapman,1900
Plymouth, W Ireland
- S. limbata* Brady,1879, var. *denticulata* Brady,1884
= *Spirillina wrightii* Heron-Allen & Earland,1930
Belgium, Plymouth
- S. margaritifera* Williamson,1858
?Plymouth
- S. lucida* Sidebottom,1908
W Ireland, Mediterranean
- S. canaliculata* Terquem,18??
Engl. Channel
- S. nodosa* Terquem,18??
Engl. Channel
- S. arctica* Cushman,19??
Barents Sea
- S.* sp. A : Haynes,1973
Wales
- Turrispirillina* Cushman,1927 (TM *Spirillina conoidea* Paalzow,1917)
- T.* sp. A : Haynes,1973
Wales
- Patellinidae Rhumbler,1906
- Hergottellinae Loeblich & Tappan,1984
- Patellinoides* Cushman,1933 (TM *Patellinoides conicus* Heron-Allen & Earland,1932)
- Patellininae Rhumbler,1906
- Patellina* Williamson,1858
- P. corrugata* Williamson,1858 (TM)
* clinging to firm substrates.
Oslofjord, Bergen, Vesteraalen, Spitsbergen, Novaja Zemlya, German North Sea, Belgium, Faeroe Channel, Iceland, Shetlands, W Scotland, N Kent, Engl. Channel, Bristol Channel, Wales, Ireland, NE, N, NW & W Greenland, Novaja Zemlja, Barents Sea, Belgium, Arcachon
- CARTERININA Loeblich & Tappan,1981
* Recent species with tropical shallow water distribution.
- MILIOLINA Delage & Hérouard,1896
- Squamulinaceae Reuss & Fritsch,1861
- Squamulinidae Reuss & Fritsch,1861
- Squamulinae Reuss & Fritsch,1861
- Squamulina* Schultze,1854
- S. laevis* Schultze,1854 (TM)
Baltic, North Sea, Britain, Mediterranean
- Cornuspiraceae Schultze,1854
- Cornuspiridae Schultze,1854
- Cornuspirinae* Schultze,1854 = *Cornuspiroidinae* Saidova,1981
- Cornuspira* Schultze,1854
= *Cyclogyra* S.V. Wood,1842 (TM *Cyclogyra multiplex* S.V. Wood,1842 - Gen. & sp. suppressed for purposes of Law of Priority, not Law of Homonymy - ICNZ Op. 1114)
= *Cornuspirella* Cushman,1928
= *Cornuspiroides* Cushman,1928
- C. foliaceae* (Philippi,1844)
= *Orbis foliaceus* Philippi,1844 (TM)
= *Cornuspira diffusa* Heron-Allen & Earland,1913 (TM of *Cornuspirella* Cushman,1928)
= *Cornuspira striolata* Brady, in Tizard & Murray,1882 (TM of *Cornuspiroides* Cushman,1928)
= *Cornuspira difformis* Cushman,1929
= *Cornuspiroides profundum* Stschedrina,1946
Bohusl., Oslofjord, Bergen, Central North Sea, Barents Sea, Spitsbergen, N Siberia, Iceland, Greenland, Faeroes, Shetlands, Orkneys, off W & NW Scotland, N & W Ireland, Engl. Channel
- C. involvens* (Reuss,1850)
= *Operculina involvens* Reuss,1850
= *Cornuspira marginata* M. Sars,18??
* clinging to firm substrates.
Bergen, Lofoten, N Norway, Spitsbergen, Novaja Zemlja, Belgium, S Britain, NE & W Greenland
- C. selseyensis* Heron-Allen & Earland,1909
= *Cyclogyra selseyensis* : Auctt.
* Found attached to pleopods of *Nephrops norvegicus* (Linnaeus,1758)
North Sea, Engl. Channel, Wales, Isle of Man, Mediterranean
- C. crassisepta* Brady,1882
Faeroe Channel
- C. carinata* (Costa,1856)
= *Operculina carinata* Costa,1856
Drøbak at 150-200m, Hardangerfjord, Bergen, Trondheim, Lofoten, Britain
- C. angigyra* (Reuss,18??)
off W Scotland

Meandrospirinae Saidova,1981

Meandrospira Loeblich & Tappan,1946 (™ *M. washitensis* Loeblich & Tappan,1946)
= *Sireblospira* Crespin & Belford,1957 (™ *S. meandrina* Crespin & Belford,1957)
= *Citaela* Premoli Silva,1964 (™ *C. iulia* Premoli Silva,1964)

Hemigordiopsidae A. Nikitina,1969

Hemigordiopsinae A. Nikitina,1969

Gordiospira Heron-Allen & Earland,1932 (™ *G. fragilis* Heron-Allen & Earland,1932)

G. arctica Cushman,1933
Spitsbergen, NE, N & NW Greenland

Fischerinidae Millett,1898

Fischerininae Millett,1898

Planispirina Seguenza,1880

P. communis Seguenza,1880 (™)
off Faeroes at 170 fathoms

P. cliarensis Heron-Allen & Earland,1913
W Ireland

Zoyaelinae Saidova,1981

Zoyaela Loeblich & Tappan,1962 (™ *Ceratina trochamminoides* Goës,1894)
= *Ceratina* Goës,1894, non Latreille,1802, nec Menge,1868

Glomulininae Saidova,1981

Glomulina Rhumbler,1936

G. fistuloscens Rhumbler,1936 (™)
Baltic

Nodobaculariellinae Bogdanovich,1981

Vertebralina d'Orbigny,1826

V. striata d'Orbigny,1826 (™)
Mediterranean, ?Shetlands

Nubeculariidae Jones,1875

Nodobaculariinae Cushman,1927

Nodobacularia Rhumbler,1895

N. tibia (Jones & Parker,1860)
= *Nubecularia tibia* Jones & Parker,1860 (™)
NE Scotland, S England

Nubeculinellinae Avnimelech & Reiss,1954

Webbina d'Orbigny,1839 (™ *W. rugosa* d'Orbigny,1839)

Nubeculariinae Jones,1875

Gymnesina Colom,1959 (™ *G. glomerosa* Colom,1959)

Nubecularia Defrance,1825

N. lucifuga Defrance,1825 (™)
British region, e.g. Sussex

N. inflata Terquem,1876, non Brady,1884
France

Ophthalmidiidae Wiesner,1920

Cornuoloculina Burbach,1886

C. inconstans (Brady,1879)
= *Hauerina inconstans* Brady,1879 (™)
= *Hauerinella inconstans* : Auctt.
= *Ophthalmidium inconstans* : Auctt.
= *Ophthalmidium tumidulum* Brady,1884
Oslofjord, around Britain

C. balkwilli (Macfadyen,19??)
Britain

C. carinatum (Balkwill & Wright,1885)
= *Ophthalmidium carinatum* Balkwill & Wright,1885
* Correct genus???
around Britain

Ophthalmina Rhumbler,1936

O. kilianensis Rhumbler,1936 (™)
* Om red algae & stones
W Baltic, N Germany, Belt Sea

Spirophthalmidium Cushman,1927 (™ *Spiroloculina acutumargo* Brady,1884)
= *Spirophthalmidium* : Cushman,1949

S. acutumargo (Brady,1884)
off W Scotland

S. acutumargo (Brady,1884) var. **emaciatum** Haynes,1973
Netherlands, Belgium, Wales, Ireland

S. pusillum (Earland,1934)
= *Spiroloculina pusilla* Earland,1934
Engl. Channel

Discospirinidae Wiesner,1931

Discospirina Munier-Chalmas,1902

D. italica (Costa,1856)
= *Pavonina italica* Costa,1856
= *Orbiolites tenuissima* W.B. Carpenter,1870 (™)
off Britain, Mediterranean
=

Miliolacea Ehrenberg,1839

Spiroloculimidae Wiesner,1920

Adelosina d'Orbigny,1826 (™ *A. laevigata* d'Orbigny,1826)
= *Serpula (Retorta)* Walker & Boys,1784 (nomen rejectum ICZN Op. 558)
= *Pollontes* de Montfort,1808 (nomen rejectum ICZN Op. 692) (™ *Pollontes vesicularis* de Montfort,1808)

Inaequalina Luczkowska,1971 (™ *Spiroloculina inaequalateralis* Schlumberger,1893)
= *Heterospiroloculina* McCulloch,1977 (™ *H. bikiniensis* McCulloch,1977)

Nummulopyrgo Hofker,1983
= *Pseudopyrgo* Hofker,1976, non Rasheed,1971

N. globulus (Hofker,1976)
= *Pseudopyrgo globulus* Hofker,1976 (™)
Biscay

Planispirinoides Parr,1950
?= *Pseudospirulina* Saidova,1975 (™ *Pseudospirulina abyssalica* Saidova,1975)

P. bucculenta (Brady,1884)
= *Miliolina bucculenta* Brady,1884 (™)
W Scotland, Barents Sea, Arctic Ocean

Spiroloculina d'Orbigny,1826

S. depressa d'Orbigny,1826 (™)
Wales, NW Scotland, Engl. Channel, Galicia, Mediterranean

S. excavata d'Orbigny,1846
* clinging to firm substrates.
Engl. Channel, Arcachon, Biscay

S. rotunda d'Orbigny,1826
* clinging to firm substrates.
Engl. Channel

S. henbesti Petri,19?? : Gabel,1971
North Sea

S. grateloupi d'Orbigny,1826
?North Sea, Iceland, tropical Seas

S. subimpressa Parr,19?? : Gabel,1971
North Sea

S. planulata (Lamarck,1805)
= *Miliolites planulata* Lamarck,1805
around Britain, Mediterranean

S. dorsata Reuss,18??
Britain

S. limbata d'Orbigny,1826
Norway, Faeroes, Iceland, Britain, Mediterranean

Hauerinidae Schwager,1876

Siphonapertinae Saidova,1975

Siphonaperta Vella,1957 (™ *S. maceathi* Vella,1957)

Hauerininae Schwager,1876

Cycloforina Luczkowska,1972

C. contorta (d'Orbigny,1846)
= *Quinqueloculina contorta* d'Orbigny,1846 (™)
Bohusl., Norway (S of Lofoten), Iceland, off Scotland, off Ireland, France

Hauerina d'Orbigny,1839 (™ *H. compressa* d'Orbigny,1839)

Lachlanella Vella,1957 (™ *Quinqueloculina (Lachlanella) cooki* Vella,1957)

Massilina Schlumberger,1893

M. secans (d'Orbigny,1826)
= *Quinqueloculina secans* d'Orbigny,1826 (™)
= *Mitolina secans* : Auctt.
* clinging to firm substrates. The commonest of all British Foraminifera, fide H.-A & E. Bohusl., Oslofjord, W? Norway, Belgium, W North Sea, Shetlands, Orkneys, Ireland, Scotland, Wales, S Britain, Engl. Channel, Arcachon, Mediterranean

M. secans (d'Orbigny,1826), var. **tenuistriata** Earland,1950
W Ireland, Sussex, Mediterranean

M. carinata (Fornasini,1905)
= *Spiroloculina nitida* d'Orbigny var. *carinata* Fornasini,1905
= *Spiroloculina milleti* Wiesner,1912
Wales, Japan, Argentina

M. annectens Schlumberger,1893
W Ireland, Mediterranean, Indo-Pacific

Quinqueloculina d'Orbigny,1826
= *Fruentarium* Fichtel & Moll,1798 (nomen rejectum, ICZN Op. 692)
= *Mitiloculina* Abich,1859 (™ *Serpula seminulum* Linnaeus,1758)
= *Trillina* Munier-Chalmas,1882 (™ *Trilloculina strigillata* d'Orbigny,1850)
= *Rumanoloculina* Neagu,1984 (™ *Quinqueloculina robusta* Neagu,1968)

Q. seminulum (Linnaeus,1758)
= *Serpula seminulum* Linnaeus,1758 (™)
* clinging to firm substrates.
Belt Sea, Øresund, Oslofjord, Bergen, Spitsbergen, Novaja Zemlja, Iceland, Faeroes, SE North Sea, Belgium, Shetlands, Orkneys, W Scotland, SW Ireland, Wales, Arcachon, Biscay, Galicia

Q. aspera d'Orbigny,1826
= *Q. agglutinata* : Auctt., non Cushman,1917
Baltic, Oslofjord, Spitsbergen, NE & W Greenland, ?Zuidersee, W Ireland, Wales, W Mediterranean

Q. lamarekiana d'Orbigny, in de la Sagra,1839
= *Q. auberiana* d'Orbigny, in de la Sagra,1839
Bergen, Britain

Q. auberiana d'Orbigny,1839, var. A : Haynes,1973
= *Q. vulgaris* : Colom,1952, non d'Orbigny,1826
= *Q. cuvieriana* : Brady,18??, non d'Orbigny,1839
Wales

Q. auberiana d'Orbigny,1839, var. B : Haynes,1973
Wales

Q. arctica Cushman,1933
N North Sea, Spitsbergen, NE & W Greenland

- Q. intricata* Terquem, 1878
= *Q. semilunaris* Terquem, 1880
NW Scotland, Wales, Engl. Channel, Mediterranean
- Q. mediterraneensis* Le Calvez & Le Calvez, 1958
= *Miliolina bicornis* Sidebottom, 1904, non (Walker & Jacob, 1798)
Wales, Mediterranean
- Q. stalkerii* Loeblich & Tappan, 1953
= *Q. fusca* Cushman, 1948, non Brady, 1870
Oslofjord, Spitsbergen, NE & W Greenland
- Q. bicornis* (Walker & Jacob, in Kanmacher, 1798)
= *Serpula bicornis* Walker & Jacob, in Kanmacher, 1798
* clinging to firm substrates.
Oslofjord, Belgium, Shetlands, NW Scotland, Wales, Celtic Sea, Engl. Channel, Arcachon, N Spain, W Mediterranean
- Q. bicornis* (Walker & Jacob, in Kanmacher, 1798) var. *angulata* (Williamson, 1858)
= *Miliolina ferrusacii* (d'Orbigny, 1826): Heron-Allen & Earland, 1916
* clinging to firm substrates.
Shetlands, NE & W Scotland, W Ireland, Belgium, Engl. Channel
- Q. clarensis* (Heron-Allen & Earland, 1930)
= *Miliolina clarensis* Heron-Allen & Earland, 1930
* clinging to firm substrates.
Belgium, W Scotland, Ireland, Bristol Channel, Engl. Channel, Arcachon, Mediterranean
- Q. clarensis* (Heron-Allen & Earland, 1930) var. A : Haynes, 1973
Wales
- Q. dimidiata* Terquem, 1876
Engl. Channel
- Q. lata* Terquem, 1876
* clinging to firm substrates.
Belgium, NE Scotland, Engl. Channel, Wales, Arcachon
- Q. oblonga* (Montagu, 1803)
= *Verniculum oblongum* Montagu, 1803
= *Triloculina oblonga* : d'Orbigny, 1826
= *Miliolinella oblonga* : Murray, 1965
Bohusl., Drobak, Bergen, Lofoten, Spitsbergen, Iceland, W Scotland, Ireland, Engl. Channel, N Spain
- Q. candeiana* d'Orbigny, in de la Sagra, 1839
Helgoland, Cuba
- Q. cf. duthiersi* (Schlumberger, 1886)
Wales
- Q. cf. rugosa* d'Orbigny, 1826
Wales
- Q. lucida* (Karrer, 18??) : Gabel, 1971
North Sea
- Q. amygdaloides* (Brady, 18??) : Gabel, 1971
North Sea
- Q. quadrata* Nørvang, 1945
= *Q. sclerotica* : Cushman, 1929, non Karrer, 1868
Iceland, around Britain
- Q. disparilis* d'Orbigny, 1826
off Plymouth
- Q. seminuda* Reuss, 18??
off W Scotland, W Ireland, Sussex
- Q. pygmaea* Reuss, 18??
W Ireland
- Q. pulchella* d'Orbigny, 1826
= *Miliolina pulchella* : Auctt.
Bohusl., ?Norway, ?Britain, Iceland, Ireland
- Q. nitida* Nørvang, 1945
Iceland
- Q. sp. aff. Q. stelligera* Schlumberger, 1893 : Gabel, 1971
North Sea
- Q. vulgaris* d'Orbigny, 1826
Iceland, E Atlantic, Mediterranean
- Q. hauerina* d'Orbigny, 1846
Iceland
- Q. implexa* Terquem & Terquem, 1886
Iceland
- Q. proxima* Terquem, in Terquem & Terquem, 1886?
Iceland
- Q. sp. cf. Q. vulgaris* d'Orbigny, 1826 : Gabel, 1971
North Sea
- Q. sp.* : Gabel, 1971
Dogger Bank
- Miliolinellinae Vella, 1957
- Affinetrina* Luczkowska, 1972 (™ *Triloculina planciana* d'Orbigny, 1839)
- Biloculinella* Wiesner, 1931 (™ *Biloculina labiata* Schlumberger, 1891)
- B. inflata* (Wright, 1902)
= *Biloculina inflata* Wright, 1902
= *Pyrgo inflata* : Auctt.
Bergen, Iceland, Britain
- B. sp.* : Gabel, 1971
North Sea
- Cruciloculina* d'Orbigny, 1839 (™ *C. triangularis* d'Orbigny, 1839)
- Miliolinella* Wiesner, 1931
= *Renoidea* Brown, 1827 (™ *R. glabra* Brown, 1827) (Suppressed, ICZN Op. 1089)
= *Pippinoides* McCulloch, 1977 (™ *Pippinoides perplexa* McCulloch, 1977)
= *Neophthalmina* McCulloch, 1977 (™ *Neophthalmina oregonensis* McCulloch, 1977)
- M. subrotunda* (Montagu, 1803)
= *Verniculum subrotundum* Montagu, 1803 (™)
- = *Quinqueloculina subrotunda* (Montagu) formahauerinoides Rhumbler, 1936 (™ of *Pateoris* Loeblich & Tappan, 1953)
Poland, Kieler Bucht, Oslofjord, Bergen, Lofoten, Tromsø, Iceland, Spitsbergen, Belgium, W North Sea, Shetlands, W Scotland, SW Ireland, Wales, Engl. Channel, Arcachon, NE & W Greenland
- M. chukchiensis* Loeblich & Tappan, 1953
N Greenland
- M. circularis* (Bornemann, 1855)
= *Triloculina circularis* Bornemann, 1855
temperate, subtropical & tropical Atlantic, Faeroes, Iceland, Barents Sea, W Scotland, Ireland, England
- M. circularis* (Bornemann, 1855) var. *elongata* Kruit, 1955
Engl. Channel, Arcachon
- M. circularis* (Bornemann, 1855) var. *sublineata* Brady, 18??
W Ireland
- M. meridionalis* (d'Orbigny, 18??) : Gabel, 1971
North Sea
- M. pratjense* Meyer-Abich, 19?? : Gabel, 1971
North Sea
- M. sp.* : Gabel, 1971
Braune Bank (North Sea)
- Pseudotriloculina* Cherif, 1970 (™ *Triloculina lecalvaeae* Kaaschieter, 1961)
- Pyrgo* Defrance, 1824 (™ *Pyrgo laevis* Defrance, 1824)
= *Biloculina* d'Orbigny, 1826 (™ *Biloculina bulloides* d'Orbigny, 1826)
= *Pseudobiloculina* Cherif, 1970 (™ *Biloculina oblonga* d'Orbigny, 1839)
= *Pyrgoides* Hofker, 1976 (™ *Biloculina ringens* (de Lamarck) var. *denticulata* Brady, 1884)
- P. bulloides* (d'Orbigny, 1826)
= *Biloculina bulloides* d'Orbigny, 1826
Franz. Josefs Land
- P. ringens* (de Lamarck, 1804)
= *Miliolites ringens* de Lamarck, 1804
Novaja Zemlja, ?Iceland
- P. carinata* (d'Orbigny, 1839)
= *Biloculina carinata* d'Orbigny, 1839
Belgium, NW Scotland, Wales, Cuba
- P. williamsoni* (Silvestri, 1923)
= *Biloculina williamsoni* Silvestri, 1923
= *Pyrgo elongata* : Cushman, 1948, non (d'Orbigny, 1826)
Oslofjord, Spitsbergen, Engl. Channel, Wales, Iceland, NE & W Greenland
- P. depressa* (d'Orbigny, 1826)
= *Biloculina depressa* d'Orbigny, 1826
Bergen, Belgium, Engl. Channel, Arcachon, Biscay, Galicia
- P. comata* (Brady, 1884)
= *Biloculina comata* Brady, 1884
Gullmarfjord, Koster Channel, Oslofjord, Bergen, Faeroe Channel, Iceland
- P. elongata* (d'Orbigny, 1826)
= *Biloculina elongata* d'Orbigny, 1826
Bergen, Barents Sea, Arctic Seas, Mediterranean
- P. cf. constricta* Costa, 1856
Wales
- P. sp. A* : Haynes, 1973
Wales
- P. sp. B* : Haynes, 1973
Wales
- P. murrhyna* (Schwager, 1866) : Gabel, 1971
= *Biloculina murrhyna* Schwager, 1866
North Sea, all deep ocean basins
- P. serrata* (Bailey, 1862)
= *Biloculina serrata* Bailey, 1862
all deep ocean basins
- P. laevis* Defrance, 1824 : Gabel, 1971
North Sea, off Trondheimsfjord & off N Norway, Barents Sea
- P. lucernula* (Schwager, 1866)
= *Biloculina lucernula* Schwager, 1866
?North Sea, Iceland
- P. appendiculata* (Reuss, 1863) : Gabel, 1971
= *Biloculina appendiculata* Reuss, 1863
North Sea
- P. subglobulus* Parr, 19?? : Gabel, 1971
North Sea
- P. oblonga* (d'Orbigny, 1839) : Gabel, 1971
= *Biloculina oblonga* d'Orbigny, 1839
North Sea, Cuba
- P. anomala* (Schlumberger, 18??)
Iceland, W Mediterranean
- P. vespertilio* (Schlumberger, 18??)
Iceland, N Atlantic deep water
- P. inornata* (d'Orbigny, 1846)
= *Biloculina inornata* d'Orbigny, 1846
Iceland
- P. sp.* : Gabel, 1971
E England
- Pyrgoella* Cushman & E.M. White, 1936
- P. sphaera* (d'Orbigny, 1839)
= *Biloculina sphaera* d'Orbigny, 1939 (™)
Oslofjord, Bergen, Gulf of Mexico
- P. globula* (Bornemann, 1855) : Gabel, 1971
= *Biloculina globulus* Bornemann, 1855
North Sea
- Triloculina* d'Orbigny, 1826
= *Spidestomella* O.G. Costa, 1856 (™ *S. globulifera* Costa, 1856)

T. trigonula (de Lamarck,1804)
= *Miliolites trigonula* de Lamarck,1804 (TM)
Oslofjord-Vadso, Iceland, NW Scotland, NW Ireland, Wales, Engl. Channel

T. trihedra Loeblich & Tappan,1953
Oslofjord, Wales, N & NW Greenland

T. tricarinata d'Orbigny,1826
Bergen, Iceland, Arctic Ocean

T. agglutinans (d'Orbigny,1839)
= *Quinqueloculina agglutinans* d'Orbigny, in de la Sagra,1839
= *Miliolina agglutinans* : Brady,1881
* Correct genus?
Novaja Zemlja, North Sea

T. rotunda d'Orbigny,1826 : Gabel,1971
North Sea

T. anconensis Schultze,1854
* Correct genus?
W Scotland, Adriatic

T. brogniartii d'Orbigny,1826
= *Miliolina brogniartii* : Auctt.
* Correct genus?
around Britain

T. valvularis Reuss,187?
Oslofjord, Lofoten, Faeroe Channel, W Ireland, Iceland

T. suborbicularis d'Orbigny,1826
= *Miliolina suborbicularis* : Auctt.
off W Scotland

T. parvula (Schlumberger,187?)
= *Miliolina parvula* (Schlumberger,187?)
* Correct genus???
Barents Sea

T. pyriformis (Schlumberger,187?)
= *Miliolina pyriformis* (Schlumberger,187?)
* Correct genus???
Barents Sea

T. brevidentata (Cushman,19??)
= *Miliolina brevidentata* (Cushman,19??)
* Correct genus???
Barents Sea

Triloculinella Riccio,1950 (TM *Triloculinella obliquinodus* Riccio,1950)
= *Scutolites* Loeblich & Tappan,1953 (TM *Scutolites tegminis* Loeblich & Tappan,1953)

T. tegminis (Loeblich & Tappan,1953)
Scutolites tegminis Loeblich & Tappan,1953
NE & W Greenland

T. sp. A (Haynes,1973)
= *Scutolites sp. A* Haynes,1973
Wales

Triloculinoides Shchedrina,1964 (TM *Triloculinoides magnus* Shchedrina,1964)

Varidentella Luczkowska,1972 (TM *Miliolina reussi* Bogdanovich,1947)
* Atlantic?

Sigmoilinitinae Luczkowska,1974

Nummoloculina Steinmann,1881

N. contraria (d'Orbigny,1846)
= *Biloculina contraria* d'Orbigny,1846 (TM)
Faeroe Channel, off Ireland, Mediterranean

N. irregularis (d'Orbigny,1839)
= *Biloculina irregularis* d'Orbigny,1839
Oslofjord

Sigmoihauerina S.Y. Zheng,1979 (TM *Hauerina bradyi* Cushman,1917)

Sigmoilina Schlumberger,1887

S. sigmoidea (Brady,1884)
= *Platyspirina sigmoidea* Brady,1884 (TM)
off Britain

Sigmoilinita Seiglie,1965 (TM *Quinqueloculina tenuis* Czjzek,1848)

S. asperula (Karrer,1868)
= *Spiroloculina asperula* Karrer,1868 (TM of *Spiroglutina* Mikhalevich,1983)
= *Ammomassilina asperula* (Karrer,1868) : Gabel,1971
Faeroe Channel

Sigmoilopsinae Vella,1957

Sigmoilopsis Finlay,1947

S. schlumbergeri (Silvestri,1904)
= *Sigmoilina schlumbergeri* Silvestri,1904 (TM)
Bergen, off SW Ireland

S. mayi Atkinson,1968
= *S. woodi* Atkinson,1968
= *S. schlumbergeri* : Atkinson,1968, non (Silvestri,1904)
= *S. wanganuensis* : Atkinson,1968, non (Vella,1???)
Wales

Tubinellinae Rhumbler,1906

Articulina d'Orbigny,1826 (TM *Articulina nitida* d'Orbigny,1826)
= *Ceratospirulina* Ehrenberg,1858 (TM *C. sprattii* Ehrenberg,1858)
= *Ceratoloculina* Ehrenberg,1857 (Not available)

A. sulcata Reuss,1850
Atlantic, Mediterranean

Parrina Cushman,1931
= *Silvestria* Schubert,1921, non Verhoeff,1895, nec Brian,1902

P. bradyi Millett,1898
= *Nubecularia bradyi* Millett,1898 (TM)
= *Nubecularia inflata* Brady,1884, non Terquem,1876

England, Mediterranean, Indo-Pacific

Tubinella Rhumbler,1906 (TM *Articulina funalis* var. *inornata* Brady,1884)

Riveroinidae Saidova,1981

Pseudohauerina Ponder,1972 (TM *Hauerina occidentalis* Cushman,1946)

Alveolinacea Ehrenberg,1839

Alveolinidae Ehrenberg,1839

Borelis de Montfort,1808 (TM *Borelis melonoides* de Montfort,1808 = *Nautilus melo* Fichtel & Moll,1798)
= *Claustrulus* de Montfort (TM *Claustrulus indicator* de Montfort,1808 = *Nautilus melo* Fichtel & Moll,1798)
= *Melonites* de Lamarck,1812 (TM *Melonites sphaerica* de Lamarck,1812 = *Nautilus melo* Fichtel & Moll,1798)
= *Melonia* de Lamarck,1822 (TM *Melonites sphaerica* de Lamarck,1812 = *Nautilus melo* Fichtel & Moll,1798)
= *Neovalveolina* A. Silvestri,1928 (TM *A. bradyi* A. Silvestri,1927 = *Nautilus melo* Fichtel & Moll,1798)

Soritacea Ehrenberg,1839

Peneroplidae Schultze,1854

Dendritina d'Orbigny,1826 (TM *Dendritina arbuscula* d'Orbigny,1826)
= *Pelorus* de Montfort,1808 (nom suppress. ICZN ZN(S) 2225/4 petition pending) (TM *Nautilus ambiguus* Fichtel & Moll,1798)

Laevipeneroplis Sulc,1936 (TM *Peneroplis karrerii* Wiesner,1923 (nomen superfl.) = *Peneroplis planatus* (Fichtel & Moll,1798), var. *laevigatus* Karrer,1868, non *Peneroplis laevigata* Fornasini,1904)
= *Puteolus* Hofker,1950, non Monterosato,1888 (Mollusca) (TM *Peneroplis proteus* d'Orbigny,1839)
= *Puteolina* Hofker,1952 (TM *Peneroplis proteus* d'Orbigny,1839)
= *Palaeopeneroplis* Hofker,1964 (TM *Palaeopeneroplis inornatus* Hofker,1964)

Peneroplis de Montfort,1808

P. planatus (Fichtel & Moll,1798)
= *Nautilus planatus* Fichtel & Moll,1798 (TM)
= *Cristellaria squamula* de Lamarck,1822 (TM of *Cristellaria* de Lamarck,1816)
Mediterranean, ?Shetlands

P. hauerinus (d'Orbigny,1846)
= *Cristellaria hauerina* d'Orbigny,1846
* Correct genus??
Plymouth

P. gibba (d'Orbigny,1839)
= *Cristellaria gibba* d'Orbigny,1839
= *Lenticulina gibba* : Gabel,1971
* Correct genus??
warm Faeroe Channel, W Scotland, W Ireland, Plymouth

P. orbicularis (d'Orbigny,1826)
= *Robulina orbicularis* d'Orbigny,1826
= *Cristellaria orbicularis* : Auctt.
= *Lenticulina orbicularis* : Gabel,1971
* Correct genus??
Plymouth

P. albatrossi (Cushman,1923)
= *Cristellaria albatrossi* Cushman,1923
= *Marginulina lituus* : Parker & Jones,1865, non ?,1???
* Correct genus???
Nordland, NE USA

P. occidentalis (Cushman,1923?), var. *glabrata* (Cushman,1923)
= *Cristellaria occidentalis* (Cushman,1923?), var. *glabrata* (Cushman,1923)
* Correct genus???
Iceland

Soritidae Ehrenberg,1839

Archaisiinae Cushman,1927

Archais de Montfort,1808 (TM *Archais spirans* de Montfort,1808 = *Nautilus angulatus* Fichtel & Moll,1798)
= *Helenis* de Montfort,1808 (TM *Helenis spatiosus* de Montfort,1808 = *Nautilus aduncus* Fichtel & Moll,1798 = *Archais angulatus* (Fichtel & Moll,1798))
= *Ilotes* de Montfort,1808 (TM *Ilotes rotulatus* de Montfort,1808 = *Nautilus orbiculus* Fichtel & Moll,1798, non Forskål,1775 = *Archais angulatus* (Fichtel & Moll,1798)
= *Orbiculina* de Lamarck,1816 (TM *Orbiculina nummismalis* de Lamarck,1822 = *Nautilus orbiculus* Fichtel & Moll,1798)

Cycloputeolina Seiglie & Grove,1977 (TM *Peneroplis pertusus* (Forskål) var. *discoideus* Flint,1899)

Soritinae Ehrenberg,1839

Amphisorus Ehrenberg,1839 (TM *Amphisorus hemprichii* Ehrenberg,1839)
= *Bradyella* Munier-Chalmas,1902 (TM *Orbitolites duplex* Carpenter,1883)

Sorites Ehrenberg,1839 (TM *Nautilus orbiculus* Forskål,1775) (ICZN petition pending)
= *Taramellina* Munier-Chalmas,1902 (TM *Sorites dominicensis* Ehrenberg,1839)

SILICOLOCULININA Resig, Lowenstam, Echols & Weiner,1980
* Not represented in the area

LAGENINA Delage & Hérouard,1896

Nodosariacea Ehrenberg,1838

Nodosariidae Ehrenberg,1838

Nodosariinae Ehrenberg,1838

Chrysalogonium Schubert,1908 (TM *Nodosaria polystoma* Schwager,1866)

Dentalina Risso,1826 (TM *Nodosaria* (les *Dentalines*) *cuvieri* d'Orbigny,1826)

D. subarcuata (Montagu,1803)
= *Nautilus subarcuatus* Montagu,1803
Engl. Channel

D. drammenensis Feyling-Hanssen,1964
Oslofjord

D. trondheimensis Feyling-Hanssen,1964
= *Nodosaria communis* : Heron-Allen & Earland,1916, non d'Orbigny,1826
= *Dentalina subarcuata* : Williamson,1858, non Montagu,1803
Trondheim, ?Wales

D. baggi Galloway & Wissler,1927
= *Nodosaria pauperata* Bagg,1912, non *Dentalina pauperata* d'Orbigny,1846
= *Nodosaria callomorpha* Bagg,1912, non Reuss,1866
N & NW Greenland

D. frobisherensis Loeblich & Tappan,1953

- Spitsbergen, NE & W Greenland
D. ittai Loeblich & Tappan,1953
 Spitsbergen, NE & W Greenland
- D. melvillensis** Loeblich & Tappan,1953
 N Greenland
- D. obliqua** (Linnaeus,1767)
 = *Nautilus obliquus* Linnaeus,1767
 Gullmarfjord, Skagerrak, Iceland, Engl. Channel, Barents Sea
- D. pauperata** d'Orbigny,1846
 Stavanger, Christiansand, Vardø, Iceland, NE, N & W Greenland, Barents Sea, Franz Josefs Land, around Britain
- D. mucronata** Neugeboren,1856
 ?off W Scotland, off SW Ireland, Franz Josefs Land
- D. communis** (d'Orbigny,1826)
 = *Nodosaria communis* d'Orbigny,1826
 ?Bergen, Iceland, Engl. Channel
- D. consobrina** d'Orbigny,1846
 = *Silosamella consobrina* (d'Orbigny,1846) : Gabel,1971
 * Correct genus??
 W Scotland, off SW Ireland
- D. consobrina** d'Orbigny, var. *emaciata* Reuss,18??
 * Correct genus??
 ?warm Faeroe Channel, ?off SW Ireland
- D. subsoluta** (Cushman,1923)
 = *Nodosaria subsoluta* Cushman,1923
 = *Nodosaria soluta* : Brady,1884, non *Dentalina soluta* Reuss,1851
 off Bergen, Lofoten, Vadsø, warm Faeroe Channel, W Ireland, off SW Ireland, Iceland
- D. advena** (Cushman,1923)
 = *Nodosaria advena* Cushman,1923
 ?cold Faeroe Channel, off W Scotland
- D. inornata** d'Orbigny, var. *bradyensis* (Dervieux,19??) : Gabel,1971
 North Sea
- D. vertebralis** : Terquem & Terquem,1886, non (Batsch,1???)
 Iceland
- D. sp.** : Gabel,1971
 German Bight
- Enantiodontalina** Marie,1941 (™ *Enantiodontalina communis* Marie,1941)
 = *Paradentalina* Uchio,1960 (™ *Enantiodontalina muraii* Uchio,1953)
- Grigelis** Mikhalevich,1981
- G. monile** (Soldani,1798)
 = *Orthoceras monile* Soldani,1798
 = *Nodosaria pyrula* d'Orbigny,1826 (™)
 ?= *Dentalina guttifer* : Terquem & Terquem,1886, non d'Orbigny,1846
 Engl. Channel, ?Iceland
- Laevidentalina** Loeblich & Tappan,1986 (™ *Laevidentalina aphelis* Loeblich & Tappan,1986)
- Nodosaria** de Lamarck,1812
 = *Glandulonodosaria* A. Silvestri,1900 (™ *Nodosaria ambigua* Neugeboren,1856)
- N. radícula** (Linnaeus,1758)
 = *Nautilus radícula* Linnaeus,1758 (™)
 off Britain, Arctic Ocean
- N. callomorpha** Reuss,1866
 Engl. Channel, off SW Ireland
- N. lannulifera** Boomgart,19?? : Gabel,1971
 North Sea
- N. lagenifera** Neugeboren,18?? : Gabel,1971
 North Sea
- N. simplex** Silvestri,1872
 warm Faeroe Channel, ?W Ireland
- N. subannulata** Cushman,1923
 ?Nordland, off NE USA, Barents Sea
- N. farcimen** Soldani?,1???
 off Ireland
- N. filiformis** d'Orbigny,1826
 Stavanger, Lofoten, Iceland, Britain, off Canaries
- N. aequalis** (Reuss,1870)
 = *Glandulina laevigata* (d'Orbigny,1826), var. *aequalis* Reuss,1870
 Halland, off Norway, Faeroe Channel, Spitsbergen
- N. proxima** Silvestri?,1???
 W Scotland, S Cornwall
- N. raphanistrum** (Linnaeus,1758)
 = *Nautilus raphanistrum* Linnaeus,1758
 off W Scotland
- N. hispida** d'Orbigny,18??
 Ireland, Isle of Man
- N. flintii** Cushman,1923
 = *Nodosaria obliqua* : Brady,1884 (p.p.) : Goës,1894 (p.p.), non (Linnaeus,1758)
 ?around Britain, Caribbean
- N. plebeia** Reuss,18??
 W Ireland
- N. setosa** Schwager,18??
 Burdwood Bank
- N. sp.** : Gabel,1971
 central North Sea
- Pandaglandulina** Loeblich & Tappan,1955 (™ *Pandaglandulina dinapolii* Loeblich & Tappan,1955)
- Pseudonodosaria** Boomgaard,1949 (™ *Glandulina discreta* Reuss,1850)
 = *Rectoglandulina* Loeblich & Tappan,1955 (™ *Rectoglandulina appressa* Loeblich & Tappan,1955)
- P. rotundata** (Reuss,1849)
 = *Glandulina rotundata* Reuss,1849
 = *Nodosaria rotundata* : Auct.
 Oslofjord, Britain
- P. torrida** (Cushman,1923)
 = *Nodosaria (Glandulina) laevigata* d'Orbigny, var. *torrida* Cushman,1923
 Oslofjord, Gulf of Mexico
- Pyramidulina** Fornasini,1894 (™ *Pyramidulina eptagona* Fornasini,1894 = *Nautilus raphanus* Linnaeus,1758)
 = *Pseudoglandulina* Cushman,1929 (™ *Nautilus comatus* Batsch,1791)
 = *Nodosariella* Wedekind,1937 (™ *Nautilus raphanus* Linnaeus,1758)
- Svenia** Brotzen,1937 (™ *Nodosaria laevigata* Nilsson,1826)
- Lingulininae** Loeblich & Tappan,1961
- Lingulina** d'Orbigny,1826
- L. carinata** d'Orbigny,1826 (™)
 Engl. Channel
- L. biloculi** Wright,1910-11
 = *Lingulina carinata* var. *biloculi* Wright,1910-11
 Engl. Channel, W Scotland, W Ireland
- L. quadrata** Heron-Allen & Earland,1913
 NE Scotland, W Ireland
- L. bicarinata** Sidebottom,1907
 = *Lingulina carinata* d'Orbigny,1826, var. *bicarinata* Sidebottom,1907
 NE & W Scotland, W Ireland, Mediterranean
- L. armata** Sidebottom,1907
 NE Scotland, Orkneys, W Ireland, Mediterranean
- L. pellucida** Sidebottom,1907
 NE Scotland, W Ireland, S Cornwall, Mediterranean
- Froniculariinae** Reuss,1860
- Fronicularia** Defrance, in d'Orbigny,1826 (™ *Renulina complanata* Defrance, in de Blainville,1824)
- F. (?) translucens** Heron-Allen & Earland,1913
 Ireland
- F. (?) sidebottomi** Cushman,1923
 = *Fronicularia spatulata* Sidebottom,1907, non Williamson,18??
 North Sea, N & W Scotland, W Ireland, Mediterranean
- F. (?) pygmaea** Sidebottom,1907
 NE Scotland, W Ireland, Mediterranean
- F. (?) spatulata** Williamson,18??
 Britain
- F. (?) tenera** (Bornemann,18??)
 ?W Scotland
- F. affinis** Terquem & Terquem,1886
 Iceland
- Plectofroniculariinae** Cushman,1927
- Amphimorphina** Neugeboren,1850 (™ *Amphimorphina haueriana* Neugeboren,1850)
 = *Amphimorphinella* Keyzer,1953 (™ *Amphimorphinella butonensis* Keyzer,1953)
- Vaginulimidae** Reuss,1860
- Lenticulininae** Chapman, Parr & Collins,1934
- Cribrorobulina** Thalmann,1947 (™ *Robulina serpens* Seguenza,1880)
 = *Cribrorobulina* Selli,1941 (name not available)
- Lenticulina** de Lamarck,1804 (™ *Lenticulites rotulatus* de Lamarck,1804)
 = *Lenticulites* de Lamarck,1804 (junior synonym)
 = *Phonemus* de Montfort,1808 (™ *Nautilus vortex* Fichtel & Moll,1798)
 = *Antenor* de Montfort,1808 (™ *Antenor diaphaneus* Montfort,1808)
 = *Oreas* de Montfort,1808, non Hübner,1807 (™ *Oreas subulatus* de Montfort,1808 = *Nautilus acutaicularis* Fichtel & Moll,1798)
 = *Robulus* de Montfort,1808 (™ *Robulus cultratus* de Montfort,1808)
 = *Patrocles* de Montfort,1808 (™ *Patrocles querelans* de Montfort,1808 = *Nautilus vortex* Fichtel & Moll,1798)
 = *Clisiphontes* de Montfort,1808 (™ *Clisiphontes calcar* de Montfort,1808)
 = *Heron* de Montfort,1808 (™ *Heron rostratus* de Montfort,1808)
 = *Rhinocurus* de Montfort,1808 (™ *Rhinocurus araneosus* de Montfort,1808)
 = *Lampas* de Montfort,1808, non Meuschen,1787 (™ *Lampas trithemus* de Montfort,1808)
 = *Soldania* d'Orbigny,1826 (™ *Soldania carinata* d'Orbigny,1826)
 = *Cochlea* Zalesky,1926, non Costa,1778, non Martyn,1784, non Hitchcock,1888 (™ *Cochlea sapracolli* Zalesky,1926)
 = *Darbyella* Howe & Wallace,1932 (™ *Darbyella danvillensis* Howe & Wallace,1932)
 = *Perisiphincina* Wedekind,1937 (™ *Robulina depauperata* Reuss,1851)
 = *Darbyella* Harris & Sutherland,1954 (™ *Darbyella hempsteadensis* Harris & Sutherland,1954)
 = *Robidzhonia* Melnikova & Suleymanov, in Suleymanov,1969 (™ *Robidzhonia prima* Melnikova & Suleymanov, in Suleymanov,1969, non *Cristellaria prima* d'Orbigny,1850 (= *Lenticulina suleymanovi* Loeblich & Tappan,1988))
- L. rotulata** (de Lamarck,1804)
 = *Lenticulites rotulatus* de Lamarck,1804
 = *Cristellaria calcar* : Williamson,1858, non (Linnaeus,1767)
 ?Bergen, Engl. Channel
- L. peregrina** (Schwager,1866)
 = *Cristellaria peregrina* Schwager,1866
 ?North Sea, W Scotland, off SW Ireland, off the western approaches to the Engl. Channel, off Galicia
- L. cf. angulata** (Reuss,1851)
 = *Robulina angulata* Reuss,1851
 Oslofjord
- L. cultrata** (de Montfort,1808)
 = *Robulus cultratus* de Montfort,1808
 = *Cristellaria cultrata* : Auct.
 Plymouth
- L. acutaicularis** (Fichtel & Moll,1798)
 = *Nautilus acutaicularis* Fichtel & Moll,1798
 = *Oreas subulatus* de Montfort,1808
 ?W Scotland, W Ireland
- L. thalmani** (Hessland,19??) : Gabel,1971
 North Sea

L. convergens (Bornemann,18??) : Gabel,1971
= *Cristellaria convergens* Bornemann,18??
off W Scotland, Barents Sea

L. vortex (Fichtel & Moll,1798)
= *Nautilus vortex* Fichtel & Moll,1798
?W Scotland, off Ireland, S Cornwall

L. sp. : Gabel,1971
German Bight

Margulinopsis A. Silvestri,1904 (™ *Cristellaria bradyi* Goës,1894 = *Margulinula costata* (Batsch) : Brady,1884 = *Margulinopsis densicostata* Thalmann,1937)

Neoleenticulina McCulloch,1977 (™ *Neoleenticulina chathamensis* McCulloch,1977)

Percultazonaria Loeblich & Tappan,1986 (™ *Cristellaria subaculeata* Cushman,1923)
= *Gladiaria* Thalmann,1941, non Wick,1939 (™ *Cristellaria decorata* Reuss,1855)
= *Gladiaria* Wedekind,1937 (name not available)

P. subaculeata (Cushman,1923)
= *Cristellaria subaculeata* Cushman,1923
= *Cristellaria aculeata* : Brady,1884, non d'Orbigny,18
?Engl. Channel, tropical W Atlantic

Saracenaria Defrance,1824
= *Enantiocristellaria* Marie,1941 (™ *Cristellaria navicula* d'Orbigny,1840)

S. italica Defrance,1824 (™)
= *Cristellaria italica* : Auctt.
off SW Ireland, Wales, S Cornwall

Margulininae Wedekind,1937

Amphicoryna Schlumberger, in Milne-Edwards,1881 (™ *Margulinula falx* Jones & Parker,1860)
= *Plesiocoryne* Schlumberger, in Milne-Edwards,1882 (™ *Plesiocoryne edwardsi* Schlumberger, in Milne-Edwards,1882)
= *Lagenodosaria* A. Silvestri,1900 (™ *Nodosaria scalaris* (Batsch,1791) var. *separans* Brady,1884)
= *Nodosariopsis* A. Silvestri,1902, non Rzehak,1895 (™ *Margulinula falx* Jones & Parker,1860)

A. scalaris (Batsch,1791)
= *Nautilus (Orthoceras) scalaris* Batsch,1791
Denmark, Oslofjord, Bergen, Vesteraalen, Iceland, Belgium, ?S & ?W Britain, ?Arcachon, ?Biscay

A. separans (Brady,1884)
= *Nodosaria scalaris* (Batsch,1791) var. *separans* Brady,1884
off Britain, Indo-Pacific

A. hirsuta (d'Orbigny,18??) : Gabel,1971
= *Nodosaria hirsuta* : Auctt.
North Sea

A. sp. : Gabel,1971
central North Sea

A. sp. : Murray,1965
Plymouth

Astacolus de Montfort,1808
= *Cochlidion* Zalesky,1926 (™ *Cochlidion alexandrae* Zalesky,1926)
= *Polymorphinoides* Cushman & Hanzawa,1936 (™ *Polymorphinoides spiralis* Cushman & Hanzawa,1936)
= *Sacculariella* Wedekind,1937 (™ *Sacculariella ensis* Wedekind,1937) (not available)
= *Gladiaria* Wick,1939, non Thalmann,1941 (™ *Cristellaria hermanni* Andea,1898)
= *Enantiogarginulina* Marie,1941 (™ *Cristellaria recta* d'Orbigny,1840)

A. crepidulus (Fichtel & Moll,1798)
= *Nautilus crepidula* Fichtel & Moll,1798
= *Astacolus crepidulatus* de Montfort,1808 (™)
= *Crepidulina astacolus* de Blainville,1824 (™ of *Crepidulina* de Blainville,1824)
= *Cristellaria crepidula* : Auctt.
Engl. Channel, Greenland

A. hyalaerulus Loeblich & Tappan,1953
NW Greenland

Hemirobulina Stache,1864 (™ *Cristellaria (Hemirobulina) arcuata* Stache,1864 = *Cristellaria (Hemirobulina) procerata* Stache,1864)
= *Hemirobulina* Stache,1864
= *Enantiomarginulina* Marie,1941 (™ *Enantiomarginulina dorbignyi* Marie,1941)
= *Pseudodimorphina* McCulloch,1977 (™ *Pseudodimorphina galapagosensis* McCulloch,1977)

Margulinula d'Orbigny,1826 (™ *Margulinula raphanus* d'Orbigny,1826, non *Nautilus raphanus* Linnaeus,1758)
= *Ellipsomarginulina* A. Silvestri,1923 (™ *Margulinula raphanus* d'Orbigny,1826)
= *Margulinella* Wedekind,1937 (™ *Nautilus (Orthoceras) costatus* Batsch,1791)

M. costata (Batsch,1791)
= *Nautilus (Orthoceras) costatus* Batsch,1791
off Britain

M. glabra d'Orbigny,1826
around Britain

M. glabra d'Orbigny,1826, var. *obesa* Cushman,1923
off Britain

Vaginulinopsis Silvestri,1904 (™ *Vaginulina soluta* Silvestri var. *carinata* Silvestri,1898)

Vaginulininae Reuss,1860

Planularia Defrance, in de Blainville,1826, non Nilsson,1826 (™ *Peneroplis auris* Defrance, in de Blainville,1824)

Vaginulina d'Orbigny,1826 (™ *Nautilus legumen* Linnaeus,1758)

V. legumen (Linnaeus,1758)
= *Nautilus legumen* Linnaeus,1758 (™)
= *Dentalina legumen* : Auctt.
around Britain, Plymouth

V. linearis (Montagu,1803)
= *Nautilus linearis* Montagu,1803
between Trondheim & North Cape, Shetlands, Hebrides, Plymouth, France

V. spinigera Brady,1881
off Norway, warm Faeroe Channel, off SW Ireland

Spirolingulininae Loeblich & Tappan,1986

Spirolingulina Sellier de Civrieux & Dessauvage,1965 (™ *Lingulina polymorpha* O.G. Costa,1861 = *Lingulinopsis carlofortensis* Bornemann,1883)
* Atlantic?

Lagenidae Reuss,1862

Hyalinonetrion Patterson & Richardson,1987 (™ *Hyalinonetrion sahlense* Patterson & Richardson,1987)
= *Amphorina* d'Orbigny,1849, non de Quatrefages,1844 (™ *Amphorina gracilis* O.G. Costa,1856 = *Amphorina costai* Andersen,1961 non = *Lagena gracilis* Williamson,1848)

Lagena Walker & Jacob, in Kanmacher,1798, non Bolten,1798, nec Schumacher,1817, nec Mörch,1852, nec Kramer,1881 (™ *Serpula (Lagena) sulcata* Walker & Jacob, in Kanmacher,1798)
= *Lagenulina* Terquem,1876 (™ *Lagenulina sulcata* Terquem,1876)
= *Capitellina* Marsson,1878 (™ *Capitellina multistriata* Marsson,1878)

L. sulcata (Walker & Jacob, in Kanmacher,1798)
= *Serpula (Lagena) sulcata* Walker & Jacob, in Kanmacher,1798
= *Vermiculium striatum* Montagu,1803
Barents Sea, Novaja Zemlja, Belgium, Iceland, Shetlands, Scotland, Wales, Plymouth, Biscay

L. sulcata (Walker & Jacob, in Kanmacher,1798) var. *torquiformis* Haynes,1973
Wales, Irish Sea, Engl. Channel

L. clavata (d'Orbigny,1846)
= *Oolina clavata* d'Orbigny,1846
Bohusl., Skagerrak, Stavanger, Spitsbergen, Barents Sea, Iceland, North Sea, Belgium, Engl. Channel, Bristol Channel, Wales, W Scotland, off Ireland, Arcachon, Arctic Seas

L. doveyensis Haynes,1973
Wales, Oslofjord (late quaternary)

L. filicosta Reuss,18??
= *L. striata* : Williamson,1858, : Cushman,1923, non (d'Orbigny,1839)
Oslofjord, Britain

L. acuticosta Reuss,1862
= *Oolina acuticosta* (Reuss,1862) : Gabel,1971
Bergen, Iceland, Barents Sea, Britain

L. hibernica Haynes,1973
Wales, Ireland

L. interrupta Williamson,1848
= *Lagena striata* (Montagu) var. *α. interrupta* Williamson,1848
Celtic Sea, Bristol Channel, western approaches to the Engl. Channel

L. flatulenta Loeblich & Tappan,1953
= *L. laevis* : Auctt., non (Montagu,1803)
N & NW Greenland

L. gracillima (Seguenza,1862)
= *Amphorina gracillima* Seguenza,1862
Oslofjord, Bergen, Vestfjord, Iceland, Spitsbergen, Novaja Zemlja, N & NW Greenland, Engl. Channel

L. laevis (Montagu,1803)
= *Vermiculium laevis* Montagu,1803
= *Lagena vulgaris* Williamson,1858
* Norvang,1945 use Walker & Boys,1784 as author (of *Serpula laevis*)
Skagerrak, Bergen, North Sea, Friesean Islands, Spitsbergen, Barents Sea, Arctic Ocean, Belgium, Shetlands, Iceland, Irish Sea, S Britain, Engl. Channel, Biscay

L. semistriata Williamson,1848
= *Lagena striata* (Walker) var. *β. semistriata* Williamson,1848
Skagerrak, Barents Sea, Novaja Zemlja, North Sea, Celtic Sea, off SW Ireland, Engl. Channel, Arcachon

L. mollis Cushman,1944
?= *L. distoma* Parker & Jones,1864
N & NW Greenland

L. distoma Parker & Jones MS, in Brady,1864
Oslofjord, Bergen, Vadsø, Iceland, Spitsbergen, Novaja Zemlja, W Scotland, Ireland, England

L. perlucida (Montagu,1803)
= *Vermiculium perlucidum* Montagu,1803 (™ of *Vermiculium* Montagu,1803)
Iceland, Engl. Channel, Wales, Kent, Ireland

L. semilineata Wright,1886
= *L. caudata* : Cushman,1948, non (d'Orbigny,1839)
off Scotland, off Ireland, N & W Greenland

L. setigera Millett,1901
= *L. clavata* (d'Orbigny) var. *setigera* Millett,1901
Oslofjord, NE & NW Greenland

L. striata (d'Orbigny,1839)
= *Oolina striata* d'Orbigny,1839
Oslofjord, Bergen, Vadsø, Iceland, Engl. Channel, ?Wales

L. substriata Williamson,1848
Oslofjord, German North Sea coast, Kent, Engl. Channel, Wales, Bristol Channel, Cornwall, Arcachon

L. tenuis (Bornemann,1855)
= *Oolina tenuis* Bornemann,1855
off Plymouth

L. pacifica Sidebottom,1912
= *L. spumosa* : Heron-Allen & Earland,1916, non Millett,18??
Bergen, Faeroe Channel, Wales, W Scotland, Mediterranean

L. spicata Cushman & McCulloch,1950
= *L. sulcata* (Walker & Jacob,1798) var. *spicata* Cushman & McCulloch,1950
Wales

L. lyellii (Seguenza,1862)
= *Amphorina lyellii* Seguenza,1862
Engl. Channel, off W Ireland, Mediterranean

L. hispida Reuss,1858
Oslofjord, around Britain

L. nebulosa Cushman,1923
= *L. laevis* (Montagu) var. *nebulosa* Cushman,1923
Oslofjord

L. protea Chaster,1892
around Britain

L. pulchella Brady,1866
Britain

L. pulchella Brady,1866, var. *hexagona* Heron-Allen & Earland,1916
off W Scotland

L. apiopleura Loeblich & Tappan,1953
= *Oolina apiopleura* : Gabel,1971

North Sea, Spitsbergen, NW Greenland

L. tricincta Gmbel,1868

* Correct genus?

Novaja Zemlja

L. ornata (Williamson,1858)

= *Entosolenia marginata* (Walker & Boys,1784), var. *ornata* Williamson,1858

* Correct genus?

Engl. Channel

L. annectens Burrows & Holland, in Jones, Parker & Brady,,1866

* Correct genus?

W Scotland, Engl. Channel

L. falcata Chaster,1892

Engl. Channel, NE & W Scotland, W Ireland

L. stewartii J. Wright,1910-11

Engl. Channel, W Ireland

L. crenata Parker & Jones,1865

Engl. Channel, off Australia

L. elongata (Ehrenberg,1844)

= *Miliola elongata* Ehrenberg,1844

= *Lagena gracillima* : Gos,1894 (p.p. - plate 13, figs 728 & 730), non *Amphorina gracillima* Seguenza,1862

off Britain, Spitsbergen, off Greenland

L. stelligera Brady,1881

?Faeroe Channel, Sussex

L. aspera Reuss,1861

off Britain

L. botelliformis Brady,1881

W Scotland, off SW Ireland

L. curvilineata Balkwill & Wright,1882

Britain

L. faba Balkwill & Millett,1884

W Scotland, Ireland

L. fimbriata Brady,1881

around Britain

L. forficula Heron-Allen & Earland,1913

NE Scotland

L. lacunata Burrows & Holland,18??

off W Scotland

L. ovum (Ehrenberg,1843)

= *Miliola ovum* Ehrenberg,1843

* Correct genus?

W Scotland, Ireland

L. quadricostulata Reuss,1870

Faeroe Channel, Ireland, Sussex

L. reniformis Sidebottom,1913

off Scotland

L. reticulata (Macgillivray,1843)

= *Lagena reticulata* Macgillivray,1843

around Britain, Iceland

L. trigonmarginata Parker & Jones,1865

Yorkshire, Ireland

L. trispida Reuss,18??

Stavanger, Iceland

L. tricarinata Gramb,1???

Bergen, Iceland

L. isabella (d'Orbigny,18??)

Iceland

L. squamosaalata Brady,1884

Iceland, off Ireland

L. inornata d'Orbigny,18??

Iceland, Falkland Islands

L. implexa Terquem & Terquem,1886

Iceland

L. sp. : Haynes,1973

Wales

Procerolagena Puri,1954

P. gracilis (Williamson,1848)

= *Lagena gracilis* Williamson,1848 (TM)

NW Scotland, off SW Ireland, Celtic Sea, Engl. Channel, Iceland, Barents Sea, Novaja Zemlja

Pygmaeoseistron Patterson & Richardson,1987

P. hispidula (Cushman,1913)

= *Lagena hispidula* Cushman,1913 (TM)

North Sea

Reussoolina Colom,1956

R. apiculata (Reuss,1851)

= *Oolina apiculata* Reuss,1851 (TM)

= *Fissurina apiculata* : Auctt.

Oslofjord, Novaja Zemlja, Engl. Channel

Polymorphiniidae d'Orbigny,1839

Polymorphiniinae d'Orbigny,1839

Globulina d'Orbigny,1839

G. gibba (d'Orbigny,1826)

= *Polymorphina* (les Globulines) *gibba* d'Orbigny,1826 (TM)

Belgium, Engl. Channel, Arcachon

G. gibba (d'Orbigny,1826) var. *myristiformis* (Williamson,1858)

= *Polymorphina myristiformis* Williamson,1858

Belgium, Engl. Channel, Arcachon, Mediterranean

G. cf. inaequalis Reuss,1850

Wales

G. amygdaloides Reuss,1851

= *Polymorphina amygdaloides* : Auctt.

E Atlantic

G. minuta (Roemer,18??) : Gabel,1971

North Sea

G. glacialis Cushman & Ozawa,1928? : Gabel,1971

North Sea

G. spinosa d'Orbigny,1846

off Britain

Guttulina d'Orbigny,1839

= *Sigmomorpha* Cushman & Ozawa,1928 (TM *Sigmomorpha sadoensis* Cushman & Ozawa,1928)

G. communis (d'Orbigny,1826)

= *Polymorphina* (les Guttulines) *communis* d'Orbigny,1826 (TM)

= *Guttulina problema* d'Orbigny,1826

Plymouth, Iceland

G. rotundata Bornemann,1855

= *Polymorphina rotundata* : Auctt.

Plymouth

G. (? Laryngosigma) harrisi Haynes,1973

NE Scotland, W North Sea, Ireland

G. sororia (Reuss,1863)

= *Polymorphina (Guttulina) sororia* Reuss,1863

* Correct genus?

Plymouth

G. sororia (Reuss,1863), var. *cuspidata* Brady,1884

* Correct genus?

off W Ireland at 1477-2639 m.

G. austriaca d'Orbigny,18?? : Gabel,1971

North Sea

G. pacifica (Cushman & Ozawa,1928?) : Gabel,1971

North Sea

Polymorphina d'Orbigny,1826 (TM *Polymorphina burdigalensis* d'Orbigny,1826)

P. compressa d'Orbigny,1846

Plymouth, Novaja Zemlja

P. oblonga d'Orbigny,1846

Plymouth, Novaja Zemlja

P. complexa Sidebottom,1904

= *Polymorphina (?) complexa* Sidebottom,1904

* Correct genus?

Plymouth

P. ovata d'Orbigny,1846 : Gabel,1971

North Sea

P. cylindroides Roemer,1838

off Britain

P. angusta Egger,1857

Sussex

P. complanata d'Orbigny,1846

around Britain

P. regina Brady, Parker & Jones,1870

Sussex

P. thouini d'Orbigny,18??

Wales

P. acuta (Roemer,1838)

= *Globulina acuta* Roemer,1838

* Correct genus?

Faeroes, Spitsbergen

Pseudopolymorphina Cushman & Ozawa,1928 (TM *Pseudopolymorphina hanzawai* Cushman & Ozawa,1928)

P. cf. novangliae (Cushman,1923)

Wales

P. suboblonga Cushman & Ozawa,1930

Oslofjord, Wales

P. ovalis (Cushman & Ozawa,1928?) : Gabel,1971

North Sea

Pyralina d'Orbigny,1839 (TM *Polymorphina* (les Pyralines) *gutta* d'Orbigny,1826)

= *Pyralinella* Cushman & Ozawa,1928 (TM *Polymorphina lanceolata* Reuss,1851)

P. fusiformis (Roemer,18??)

= *Polymorphina fusiformis* Roemer,18??

E Ireland

P. lanceolata (Reuss,1851)

= *Polymorphina lanceolata* Reuss,1851

E & W Atlantic

Sigmomorpha Cushman & Ozawa,1928 (TM *Sigmomorpha (Sigmomorpha) yokoyamai* Cushman & Ozawa,1928)

S. undulosa (Terquem,18??) : Gabel,1971

North Sea

S. semitecta (Reuss,18??), var. *terquemiana* Cushman,19?? : Gabel,1971

North Sea

Webbinellinae Rhumbler,1904

Webbinella Rhumbler,1904

= *Lingulopyralinoidea* Saidova,1975 (TM *Lingulopyralinoidea crassa* Saidova,1975)

W. hemisphaerica (Jones, Parker & Brady,1866)

= *Trochanmina (Webbina) irregularis* (d'Orbigny) var. *hemisphaerica* Jones, Parker & Brady,1866 (TM)

= *Placopsilina bulla* : Goës, 1894 (p.p. - plate 6, fig. 211 & 212), non Brady, 1881
Koster Channel, Drøbak, Engl. North Sea coast, W Ireland, Faeroe Channel

Ramulininae Brady, 1884

Ramulina T.R. Jones, in J. Wright, 1875 (TM *Ramulina laevis* T.R. Jones, in J. Wright, 1875)

R. globulifera Brady, 1879
Atlantic

Sporadogenerina Cushman, 1927 (TM *Sporadogenerina flintii* Cushman, 1927 = *Ramulina proteiformis* Flint, 1899)

Ellipsolagenidae A. Silvestri, 1923

Oolininae Loeblich & Tappan, 1961

Anturina R.W. Jones, 1984

A. haynesi R.W. Jones, 1984 (TM)
= *Oolina laevigata* : Haynes, 1973, non d'Orbigny, 1839
Wales, Scilly Islands

Buchnerina R.W. Jones, 1984 (TM *Buchnerina iberica* R.W. Jones, 1984)

Cushmanina R.W. Jones, 1984 (TM *Lagena vulgaris* Williamson var. *desmophora* F.W.O. Rymer Jones, 1872)

Favulina Patterson & Richardson, 1987

F. hexagona (Williamson, 1848)
= *Entosolenia squamosa* (Montagu) var. *hexagona* Williamson, 1848 (TM)
= *Lagena hexagona* : Auctt.
= *Oolina hexagona* : Loeblich & Tappan, 1953
= *Lagena favosa* Reuss, 1863
Oslofjord, Bergen, North Cape, Faeroe Channel, Barents Sea, Spitsbergen, Iceland, Belgium, North Sea, Shetlands, Irish Sea, Celtic Sea, W Scotland, Wales, Engl. Channel, Arcachon

Galwayella Patterson & Pettis, 1986 (TM *Lagena trigonoelliptica* Balkwill & Millett, 1884)

Heteromorphina R.W. Jones, 1984 (TM *Oolina heteromorpha* Parr, 1950)

Homalohedra Patterson & Richardson, 1987 (TM *Lagena guntheri* Earland, 1934)

Laculatina Patterson & Richardson, 1987 (TM *Lagena quadrilatera* Earland, var. *striatula* Earland, 1934)

Lagena Popescu, 1983 (TM *Fissurina radiata* Seguenza, 1862)
= *Solenina* R.W. Jones, 1984 (TM *Lagenosolenia? tenuistriatiformis* McCulloch, 1977)

Oolina d'Orbigny, 1839 (TM *O. laevigata* d'Orbigny, 1839)
= *Cenchridium* Ehrenberg, 1845 (TM *Cenchridium sphaerula* Ehrenberg, 1845)
= *Entosolenia* Williamson, 1848 (TM *Entosolenia lineata* Williamson, 1848)

O. lineata (Williamson, 1848)
= *Entosolenia lineata* Williamson, 1848, non : Cushman, 1948
= *Lagena lineata* : Auctt.
North Sea, Shetlands, W Scotland, Irish Sea, Wales, Engl. Channel, Spitsbergen, NW Greenland

O. melo d'Orbigny, 1839
= *Entosolenia squamosa* (Montagu) var. *catenulata* Williamson, 1848
= *Entosolenia squamosa* (Montagu) var. *scalariformis* Williamson, 1848
= *Lagena catenulata* : Cushman, 1923
= *Lagena squamosa* : Brady, 1884
Oslofjord, Spitsbergen, Barents Sea, Belgium, S & SW Britain, Engl. Channel, Iceland, N & NW Greenland, Biscay

O. squamosa (Montagu, 1803)
= *Vermiculum squamosum* Montagu, 1803
= *Entosolenia squamosa* : Auctt., non : Cushman, 1941, nec : Cushman & Gray, 1946, nec : Cushman & Todd, 1947
= *Lagena squamosa* : Auctt., non : Cushman, 1913
Bergen, Vadsø, Iceland, Spitsbergen, Novaja Zemlja, Franz Josefs Land, Barents Sea, Belgium, NE Greenland, W Scotland, Ireland, Engl. Channel, Wales, Arcachon

O. squamosa (Montagu) var. *montagui* (Alcock, 1865)
= *Entosolenia montagui* Alcock, 1865
?Iceland, Engl. Channel, W Ireland, Barents Sea

O. striatopunctata (Parker & Jones, 1865)
= *Lagena sulcata* (Walker & Jacob) var. *striatopunctata* (Parker & Jones, 1865)
= *Lagena striatopunctata* : Auctt.
N & NW Greenland, Spitsbergen, Novaja Zemlja, Engl. Channel

O. caudigera (Wiesner, 1931)
= *Lagena (Entosolenia) globosa* (Montagu) var. *caudigera* Wiesner, 1931
= *Entosolenia lineata* : Cushman, 1948, non Williamson, 1848
Spitsbergen, NE, N & NW Greenland

O. borealis Loeblich & Tappan, 1954
= *O. costata* (Williamson, 1858, non (?), 17??)
= *Entosolenia costata* Williamson, 1858
= *Lagena costata* : Auctt.
= *Oolina patanae* Haman, 1966
Faeroes, NW & W Scotland, Ireland, Wales, Engl. Channel, N & NW Greenland

O. globosa (Montagu, 1803)
= *Vermiculum globosum* Montagu, 1803
= *Lagena globosa* : Auctt.
Drøbak, Stavanger, Bergen, Vesteraalen, W Scotland, Ireland, Engl. Channel, Barents Sea, Spitsbergen, Novaja Zemlja, Iceland

O. heronalleni Haynes, 1973
Wales, W Scotland

O. williamsoni (Alcock, 1865)
= *Entosolenia williamsoni* Alcock, 1865
= *Lagena williamsoni* : Auctt.
North Sea, Spitsbergen, Belgium, N Kent, Engl. Channel, Bristol Channel, Celtic Sea, Irish Sea, Wales, Arcachon, Biscay, Mediterranean

O. trigonooblonga Seguenza & Siddall, 1877 : Gabel, 1971
North Sea

O. elegantissima (Bornemann, 18??) : Gabel, 1971
North Sea

Vasicostella Patterson & Richardson, 1987 (TM *Lagena vulgaris* Williamson var. *helephoromarginata* F.W.O. Rymer Jones, 1872)

Ellipsolageninae A. Silvestri, 1923

Fissurina Reuss, 1850
= *Ellipsolagena* A. Silvestri, 1923 (TM *Lagena acutissima* Fornasini, 1889)

= *Ellipsofissurina* A. Silvestri, 1923 (TM *Fissurina laevigata* Reuss, 1850)

F. laevigata Reuss, 1850 (TM)
= *Lagena laevigata* : Norvang, 1941
Bergen, Iceland, Novaja Zemlja, Franz Josefs Land, around England, Engl. Channel

F. cucurbitasema Loeblich & Tappan, 1953
Engl. Channel, Spitsbergen, NE & N Greenland

F. elliptica (Cushman, 1923)
= *Lagena orbignyana* (Seguenza) var. *elliptica* Cushman, 1923
Wales, Caribbean

F. lagenoides (Williamson, 1858)
= *Entosolenia marginata* (Montagu) var. *lagenoides* Williamson, 1858
Engl. Channel, Iceland, Barents Sea, Novaja Zemlja, Franz Josefs Land

F. lagenoides (Williamson, 1858), var. *tenuistriata* (Brady, 1881)
= *Lagena tubulifera* Brady, var. *tenuistriata* Brady, 1881
Britain, Mediterranean

F. lucida (Williamson, 1848)
= *Entosolenia marginata* (Montagu) var. *lucida* Williamson, 1848
= *Entosolenia lucida* : Auctt., non : Cushman, 1948
S North Sea, Engl. Channel, Bristol Channel, Wales, Greenland, Biscay, Mediterranean

F. marginata (Walker & Boys, 1784)
= *Serpula (Lagena) marginata* Walker & Boys, 1784
= *Vermiculum marginatum* Montagu, 1803
= *Lagena marginata* : Auctt.
= *Entosolenia marginata* : Auctt.
Bergen, Iceland, Spitsbergen, Barents Sea, Celtic Sea, Wales, Engl. Channel, NE & NW Greenland

F. marginata var. *inaequilateralis* (Wright, 1885-86)
= *Lagena marginata* var. *inaequilateralis* Wright, 1885-86
* Correct genus?
Engl. Channel, W Scotland, SW Ireland

F. marginata var. *semicarinata* Sidebottom, 1906
* Correct genus?
?W Ireland

F. marginata var. *semimarginata* Reuss, 18??
* Correct genus?
W Scotland

F. marginatoperforata (Seguenza, 1880)
= *Lagena marginato-perforata* Seguenza, 1880
Engl. Channel, W Ireland, W Scotland

F. orbignyana Seguenza, 1862
Norway, Barents Sea, Iceland, Celtic Sea, Engl. Channel, Arcachon, Biscay

F. orbignyana Seguenza, 1862, var. *clathrata* (Brady?, 18??)
?Britain, Indo-Pacific

F. orbignyana Seguenza, 1862, var. *variabilis* (Wright, 1891)
= *Lagena orbignyana* Seguenza, 1862, var. *variabilis* (Wright, 1891
off SW Ireland at 1370 m.

F. orbignyana Seguenza, 1862, var. *walleriana* (Wright, 1891)
= *Lagena orbignyana* Seguenza, 1862, var. *walleriana* Wright, 1891
W Scotland off SW Ireland

F. quadrata (Williamson, 1858)
= *Entosolenia marginata* (Montagu) var. *quadrata* Williamson, 1858
Engl. Channel

F. serrata (Schlumberger, 1894)
= *Lagena serrata* Schlumberger, 1894
= *Entosolenia serrata* : Cushman, 1948
Oslofjord, NE & NW Greenland, Arctic Russia

F. pseudoglobosa (Buchner, 1940)
= *Lagena pseudoglobosa* Buchner, 1940
Oslofjord

F. fasciata (Egger, 1857)
= *Lagena fasciata* Egger, 1857
Oslofjord, off W Scotland, W Ireland

F. rizzae Seguenza, 1862
Engl. Channel

F. bicarinata Terquem, 1882
Engl. Channel

F. acuta Reuss, 1858
* Correct genus? Correct year (perhaps 1863)?
Engl. Channel, W Scotland, W Ireland

F. schlichti Silvestri, 1902
* Correct genus?
Engl. Channel

F. staphyllearia Schwager, 1866
off SW Ireland in deep water

F. danica Madson, 19?? : Gabel, 1971
North Sea

F. sp. A : Haynes, 1973
Wales

F. sp. B : Haynes, 1973
Wales

Lagenosolenia McCulloch, 1977 (TM *Lagenosolenia soulei* McCulloch, 1977)

Palliolatella Patterson & Richardson, 1987 (TM *Palliolatella avita* Patterson & Richardson, 1987)

Pseudoolina R.W. Jones, 1984 (TM *Pseudoolina fissurina* R.W. Jones, 1984)

Parafissurinae R.W. Jones, 1984

Cursina Patterson & Richardson, 1987 (TM *Cursina adornata* Patterson & Richardson, 1987)

Parafissurina Parr, 1947 (TM *Lagena ventricosa* A. Silvestri, 1904)

P. malcomsonii (Wright, 1911)
= *Lagena laevigata* (Reuss), var. *malcomsonii* Wright, 1911
Engl. Channel, W Ireland, W Scotland

- P. lateralis* (Cushman,1913)
= *Lagena lateralis* Cushman,1913
Oslofjord
- P. elliptica* (Seguenza,18??): Gabel,1971
North Sea
- Pseudofissurina* R.W. Jones,1984 (™ *Pseudofissurina mccullochae* R.W. Jones,1984)
- Pseudosolenina* R.W. Jones,1984 (™ *Pseudosolenina borealis* R.W. Jones,1984)
- Ventrostoma* Schnitker,1970 (™ *Lagena fovigera* Buchner,1940)
- V. depressa* (Chaster,1892)
= *Lagena depressa* Chaster,1892 (™ of *Arthurina* R.W. Jones,1984)
= *Lagena cymbula* Heron-Allen & Earland,1913
W North Sea, NE Scotland, W Ireland
- Walterparria* R.W. Jones,1984
- W. millettii* (Chaster,1892)
= *Lagena millettii* Chaster,1892 (™)
= *Parafissurina millettii* : Murray,1971
Engl. Channel
- Wiesnerina* R.W. Jones,1984
- W. unguis* (Heron-Allen & Earland,1913)
= *Lagena unguis* Heron-Allen & Earland,1913 (™)
North Sea, around Scotland, Cornwall
- Siphologenerinae Patterson & Richardson,1987
- Bifarilaminella* Patterson & Richardson,1987 (™ *Lagena advena* Cushman,1923)
- Sipholagena* Moncharmont Zei & Sgarella,1980 (™ *Lagena benevisita* Buchner,1940)
= *Buchneria* Moncharmont Zei & Sgarella,1977, non Borner,1952
- Glandulinidae Reuss,1860
- Glandulininae Reuss,1860
- Esoxyrinx* Loeblich & Tappan,1953 (™ *Pseudopolymorphina curta* Cushman & Ozawa,1930 - Ungava Bay & W Greenland)
- Glandulina* d'Orbigny,1839
= *Psecadium* Neugeboren,1856 (™ *Psecadium ellipticum* Neugeboren,1856)
- G. laevigata* (d'Orbigny,1826)
= *Nodosaria* (les Glandulines) *laevigata* d'Orbigny,1826 (™)
Bergen, Vesteraalen, Iceland, N Greenland, Barents Sea, ?Shetlands, ?W Scotland, ?warm Faeroe Channel, ?off SW Ireland, ?Sussex
- G. laevigata* (d'Orbigny,1826) var. *occidentalis* (Cushman,1923)
= *Nodosaria laevigata* (d'Orbigny,1826) var. *occidentalis* Cushman,1923
*Correct genus?
Nordland, NE USA
- Laryngosigma* Loeblich & Tappan,1953
- L. hyalaseidia* Loeblich & Tappan,1953 (™)
SW Baltic, NE, N & NW Greenland, Wales
- L. lactea* (Walker & Jacob,1798)
= *Serpula lactea* Walker & Jacob,1798
= *Guttulina lactea* : Auctt.
= *Polymorphina lactea* : Auctt.
Oslofjord, North Cape, ?Iceland, Engl. Channel, Wales, Novaja Zemlja
- L. lactea* (Walker & Jacob,1798) var. *concava* (Williamson,1858)
= *Polymorphina lactea* (Walker & Jacob) var. *concava* Williamson,1858
Wales, Engl. Channel, Mediterranean
- L. williamsoni* (Terquem,1878)
= *Polymorphina williamsoni* Terquem,1878
= *Polymorphina lactea* (Walker & Jacob) var. *oblonga* Williamson,1858, non *Polymorphina* (*Globulina*) *oblonga* Roemer,1838, nec *Polymorphina oblonga* d'Orbigny,1846
Plymouth, NE Greenland
- Phlegeria* Loeblich & Tappan,1963 (™ *Phlegeria hyalina* Loeblich & Tappan,1963)
- Tappanella* Gudina & Saidova,1969 (™ *Tappanella arctica* Gudina & Saidova,1969 = *Glandulina laevigata* d'Orbigny : Gudina,1966, non *Glandulina laevigata* d'Orbigny)
- Entolingulininae Saidova,1981
- Entolingulina* Loeblich & Tappan,1961 (™ *Lingulina aselliformis* Buchner,1942)
- Seabrookiinae Cushman,1927
- Seabrookia* Brady,1890 (™ *Seabrookia pellucida* Brady,1890)
= *Millelia* J. Wright,1889, non Duncan,1889 (name not available)
= *Cerviciferina* Goddard & Jensen,1907 (™ *Cerviciferina hillii* Goddard & Jensen,1907)
- S. earlandi* (Wright,1889)
= *Millelia earlandi* Wright,1889
Norwegian fjords, North Sea, W & SW Ireland
- ROBERTININA Loeblich & Tappan,1984
- Ceratobuliminacea Cushman,1927
- Ceratobuliminidae Cushman,1927
- Ceratobulimininae Cushman,1927
- Ceratobulimina* Toula,1915 (™ *Rotalina contraria* Reuss,1851)
- C. arctica* Green,1960
Oslofjord
- Lamarckina* Berthelin,1881 (™ *Pulvinulina erinacea* Karrer,1868)
= *Megalostomina* Rzehak,1891 (™ *Megalostomina fuchsi* Rzehak,1895 = *Discorbina fuchsi* Rzehak,1888)
- L. haliotidea* (Heron-Allen & Earland,1911)
= *Pulvinulina haliotidea* Heron-Allen & Earland,1911
* clinging to firm substrates.
Belgium, Engl. Channel, off Faeroes, W Scotland, W Ireland
- Rubratella* Grell,1956 (™ *Rubratella intermedia* Grell,1956 - France)
- Epistominidae Wedekind,1937
- Epistomininae Wedekind,1937
- Epistomina* Terquem,1883 (™ *Epistomina regularis* Terquem,1883)
= *Brotzenia* Hofker,1954 (™ *Rotalia spinulifera* Reuss,1863)
= *Voorthuysenia* Hofker,1954 (™ *Epistomina tenuicostata* Bartenstein & Brand,1951)
= *Hiltermannia* Hofker,1954 (™ *Epistomina chapmani* ten Dam,1948)
= *Kaptarenkoella* Antonova & G.K. Kasimova, in G.K. Kasimova & Antonova,1985 (™ *Lamarckella epistominoides* Kaptarenko-Chernousova,1959)
- Hoeglundina* Brotzen,1948 (™ *Rotalia elegans* d'Orbigny,1826)
- H. elegans* (d'Orbigny,1826)
= *Rotalia elegans* d'Orbigny,1826 (™)
= *Rotalia partschiana* d'Orbigny,1846
boreal Atlantic, ?off Norway, Spitsbergen, off SW Ireland at 620-695 fathoms
- Robertinacea Reuss,1850
- Robertinidae Reuss,1850
- Alliatininae McGowran,1966
- Alliata* Troelsen,1954 (™ *Cushmanella excentrica* di Napoli Alliata,1952)
= *Pseudononionella* S.Y. Zheng, in S.Y. Zheng, Cheng, Wang & Fu,1978 (™ *Pseudononionella variabilis* S.Y. Zheng, in S.Y. Zheng, Cheng, Wang & Fu,1978)
- Alliatinella* D.J. Carter,1957 (™ *Alliatinella gedgravensis* D.J. Carter,1957)
= *Fawcettia* McCulloch,1977 (™ *Fawcettia panayensis* McCulloch,1977)
= *Subcushmanella* McCulloch,1977 (™ *Subcushmanella differens* McCulloch,1977)
?= *Subcerobertina* McCulloch,1977 (™ *Subcerobertina simplissima* McCulloch,1977)
- Robertininae Reuss,1850
- Robertina* d'Orbigny,1846
- R. arctica* d'Orbigny,1846 (™)
Iceland, Barents Sea, Spitsbergen, Greenland (Claushavn), N Norway, Siberia
- Robertinoides* Höglund,1947
- R. normani* (Goës,1894)
= *Bulimina normani* Goës,1894 (™)
Koster Channel, Säcken, Skagerrak
- R. suecicum* Höglund,1947
Gullmarfjord, Koster Channel, Skagerrak, Farsund, Börnestangen
- R. pumilum* Höglund,1947
Gullmarfjord, Skagerrak
- R. charlottensis* (Cushman,1925)
= *Cassidulina charlottensis* Cushman,1925
= *Robertina charlottensis* : Auctt.
= *Robertina californica* Cushman & F. Parker,1936
NE, N & NW Greenland
- GLOBIGERININA Delage & Hérouard,1896
- Heterohelicacea Cushman,1927
- Chiloguembelinidae Reiss,1963
- Laterostomella* de Klasz & Rérat,1962 (™ *Laterostomella guembeliniformis* de Klasz & Rérat,1962)
= *Sireptochilus* Brönnimann & Resig,1971 (™ *Bolivina tokelauae* Boersma, in Kierstead & al.,1969 = *Bolivina globulosa* Cushman,1933)
?= *Pseudoheterohelix* Aliyulla,1977 (™ *Guembelina pumilia* Subbotina,1950)
- Globorotaliacea Cushman,1927
- Globorotaliidae Cushman,1927
- Globorotalia* Cushman,1927
= *Planorotalia* Morozova,1957 (™ *Planulina membranacea* Ehrenberg,1854)
= *Obandyella* Haman & al.,1981 (™ *Rotalina hirsuta* d'Orbigny,1839)
- G. tumida* (Brady,1877)
= *Pulvinulina menardii* (d'Orbigny) var. *tumida* Brady,1877 (™)
off SW Ireland
- G. hirsuta* (d'Orbigny, in Barker-Webb & Berthelot,1839
= *Rotalina hirsuta* d'Orbigny, in Barker-Webb & Berthelot,1839
N Atlantic (subtropical), off W & NW Hebrides, off W Ireland
- G. inflata* (d'Orbigny, in Barker-Webb & Berthelot,1839)
= *Globigerina inflata* d'Orbigny, in Barker-Webb & Berthelot,1839
N Atlantic (cold-temperate), Wales
- G. scitula* (Brady,1882)
= *Pulvinulina scitula* Brady,1882
N Atlantic (subpolar to tropical, especially below 500 m), off W Ireland, Engl. Channel, off W Hebrides
- G. menardii* (d'Orbigny,1826)
= *Rotalia menardii* d'Orbigny,1826
= *Pulvinulina menardii* : Auctt.
* Correct genus?
Plymouth, pelagial between 55° 11' N & 51° 36' S
- G. menardii* (d'Orbigny,1826), var. *fimbriata* (Brady,1884)
Atlantic
- Neogloboquadrina* Bandy, Frerichs & Vincent,1967
- N. dutertrei* (d'Orbigny,1839)
= *Globigerina dutertrei* d'Orbigny,1839 (™)
Plymouth, North Sea
- Truncorotalia* Cushman & Bermúdez,1949
- T. truncatulinoides* (d'Orbigny, in Barker-Webb & Berthelot,1839)
= *Rotalina truncatulinoides* d'Orbigny, in Barker-Webb & Berthelot,1839 (™)
= *Globorotalia truncatulinoides* : Auctt.
N Atlantic (subtropical), off W Shetlands, off SW Ireland
- Pulleniatinidae Cushman,1927
- Pulleniatina* Cushman,1927 (™ *Pullenia obliquiloculata* Parker & Jones,1865)
- Candeinidae Cushman,1927
- Tenuitellinae Banner,1982
- Tenuitella* Fleisher,1984 (™ *Globorotalia gemma* Jenkins,1966)

Globigerinitinae Bermúdez,1961

Tinophodella Loeblich & Tappan,1957 (™ *Tinophodella ambitacrena* Loeblich & Tappan,1957)

Candelininae Cushman,1927

Candaina d'Orbigny, in de la Sagra,1839

C. nitida d'Orbigny, in de la Sagra,1839 (™)
off S Iceland, Plymouth, West Indies

Catapsydracidae Bolli, Loeblich & Tappan,1957

Globoquadrina Finlay,1947 (™ *Globorotalia dehiscens* Chapman, Parr & Collins,1934)

G. hexagona (Natland,1938)
= *Globigerina hexagona* Natland,1938
Wales

Globigerinacea Carpenter, Parker & Jones,1862

Globigerinidae Carpenter, Parker & Jones,1862

Globigerininae Carpenter, Parker & Jones,1862

Beella Banner & Blow,1960 (™ *Globigerina digitata* Brady,1879)

Globigerina d'Orbigny,1826

G. bulloides d'Orbigny,1826 (™)
* Absent from regions with strong coastal influence
W Skagerrak, N Atlantic (subpolar, cold temperate), N North Sea, Iceland

G. falconensis Blow,1959
N Atlantic (cold-temperate & subtropical)

G. pachyderma (Ehrenberg,1861)
= *Aristerospira pachyderma* Ehrenberg,1861
* Bottom-living
N Atlantic (subpolar, cold temperate), North Sea, Faeroe Channel, Iceland, W Scotland, W Ireland, Barents Sea

G. quinqueloba Natland,1938
N Atlantic (cold-water, arctic to subarctic, cold temperate surface waters)

G. glutinata (Egger,1895)
= *Globigerinita glutinata* Egger,1895
N Atlantic (tropical to subpolar)

G. triloba (Reuss,18??) : Gabel,1971
North Sea

G. eggeri Rhumbler,19?? : Gabel,1971
North Sea

G. sp. : Gabel,1971
North Sea

Globigerinella Cushman,1927 (™ *Globigerina aequilateralis* Brady,1879, non *Globigerina siphonifera* d'Orbigny,1839)

G. aequilateralis (Brady,1879)
= *Globigerina aequilateralis* Brady,1879
Gulf Stream waters, Caribbean

Globigerinoides Cushman,1927

G. rubra (d'Orbigny, in de la Sagra,1839)
= *Globigerina rubra* d'Orbigny, in de la Sagra,1839 (™)
Gulf Stream waters - W coast of Europe, Carribbean, Gulf of Mexico

G. rubra var. *elevata* (d'Orbigny,1840)
= *Globigerina elevata* d'Orbigny,1840
* Correct genus?
Plymouth

G. conglobata (Brady,1879)
= *Globigerina conglobata* Brady,1879
Gulf Stream waters, Carribbean

Globoturborotalita Hofker,1976 (™ *Globigerina rubescens* Hofker,1956)

Turborotalita Blow & Banner,1962 (™ *Truncatulina humilis* Brady,1884)

Orbulininae Schultze,1854

Orbulina d'Orbigny,1839
= *Coscinosphaera* Stuart,1866 (™ *Coscinosphaera ciliata* Stuart,1866)

O. universa d'Orbigny, in Ramon de la Sagra,1839 (™)
N Atlantic (tropical to subtropical), Wales, Iceland, Novaja Zemlja

O. bilobata (d'Orbigny,1846)
= *Globigerina bilobata* d'Orbigny,1846 (™ of *Biorbulina* Blow,1956)
= *Biorbulina bilobata* : Haynes,1973
Wales

O. nitida Terquem & Terquem,1886
Christiansand, Stavanger, Iceland

Hastigerinidae Bolli, Loeblich & Tappan,1957

Hastigerina Thomson, in Murray,1876

H. pelagica (d'Orbigny,1839)
= *Nonionina pelagica* d'Orbigny,1839
= *Hastigerina murrayi* Thomson, in Murray,1876 (™)
warm Faeroe Channel, off W Orkneys, off SW Ireland at 1370 m.

Orcadia Boltovskoy & Watanabe,1982 (™ *Hastigerinella riedeli* Rögl & Bolli,1973)

ROTALIINA Delage & Hérouard,1896

Bolivinacea Glaessner,1937

Bolivinidae Glaessner,1937

Bolivina d'Orbigny,1839 (™ *Bolivina plicata* d'Orbigny,1839)
= *Grammostomum* Ehrenberg,1839 (™ *Grammostomum tenue* Ehrenberg,1839)
= *Proroporus* Ehrenberg,1844 (™ *Proroporus lingua* Ehrenberg,1844)
= *Clidostomum* Ehrenberg,1845 (™ *Clidostomum polystigma* Ehrenberg,1845)

B. pseudoplicata Heron-Allen & Earland,1930
= *B. plicata* Goës,1894, non d'Orbigny,1839

Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, Bergen, Trondheim Fjord, Bukken, Belgium, Ireland, N Kent, Wales, S Britain, Arcachon, Biscay

B. albatrossi Cushman,1922
Gullmarfjord, Skagerrak, Oslofjord, Trondheim Fjord, Gulf of Mexico

B. cf. robusta Brady,1884
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Bergen

B. punctata d'Orbigny,1839
* Correct genus?
along entire Norway, Iceland, Spitsbergen, Novaja Zemlja, around Britain

B. gramen (d'Orbigny, in de la Sagra,1839)
= *Valvulina gramen* d'Orbigny, in de la Sagra,1839
Gullmarfjord, Cuba

B. variabilis (Williamson,1858)
= *Textularia variabilis* Williamson,1858
= *Brizalina variabilis* : Murray,1971
S North Sea, Belgium, Engl. Channel, Bristol Channel, Celtic Sea, Wales, Mediterranean

B. decussata : Wright,1891, ?non Brady,1881
off SW Ireland at 1866 m.

B. limbata Brady,1881
W Ireland, Cape Verde

B. nobilis Hantken,1876
?Britain, ?Mediterranean

B. durrandii Millett,1900
?Sussex, Malay Archipelago

B. costata d'Orbigny,18??
?Britain

B. (?) sp. : Höglund,1947
Skagerrak

Bolivinellina Saidova,1975 (™ *Bolivinellina pescicula* Saidova,1975)
= *Bolivinellina* Burmistrova,1974 (name not available)

Brizalina O.G. Costa,1856 (™ *Brizalina aenariensis* O.G. Costa,1856)

B. pseudopunctata (Höglund,1947)
= *Bolivina pseudopunctata* Höglund,1947
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, off Bergen, Barents Sea, off Spitsbergen, Kent, Wales, Engl. Channel, Celtic Sea, N & NW Greenland

B. difformis (Williamson,1858)
= *Textularia variabilis* Williamson var. *difformis* Williamson,1858
= *Bolivina difformis* : Auctt.
Barents Sea, Ireland, Engl. Channel, Arcachon, Biscay

B. spatulata (Williamson,1858)
= *Textularia variabilis* Williamson var. *spatulata* Williamson,1858
= *Bolivina spatulata* : Auctt.
= *Bolivina dilatata* : Brady,1884, : Goës,1894, non Reuss,1850
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Shetlands, W Scotland, North Sea, Belgium, Barents Sea, Engl. Channel, Wales, Celtic Sea, Arcachon, Biscay, Galicia

B. subaenariensis (Cushman,1922)
= *Bolivina subaenariensis* Cushman,1922
Celtic Sea

B. britannica (Macfadyen,1942)
= *Bolivina britannica* Macfadyen,1942
= *Textularia variabilis* Williamson, var. *laevigata* Williamson,1858
= *Bolivina laevigata* : Auctt., non *Textularia laevigata* d'Orbigny,18??
North Sea, Faeroes, W Scotland, Wales

B. inflata (Heron-Allen & Earland,1913)
= *Bolivina inflata* Heron-Allen & Earland,1913
Wales, W Scotland, W Ireland, Engl. Channel

B. minima (Phleger & Parker,1951)
Bolivina minima Phleger & Parker,1951
Wales, Gulf of Mexico

B. ordinaria (Phleger & Parker,1952)
= *Bolivina ordinaria* Phleger & Parker,1952
= *Bolivina simplex* Phleger & Parker,1951, non ?,1??
Wales, Gulf of Mexico

B. striatula (Cushman,1922)
= *Bolivina striatula* Cushman,1922
Gullmarfjord, Kent, Engl. Channel, Wales, Galicia, Florida

B. superba (Emiliani,1949)
= *Bolivina superba* Emiliani,1949
= *Bolivina beyrichi* : Heron-Allen & Earland,1916, : Cushman,1923, non Reuss,1851
= *Bolivina alata* : Cushman,1937, non *Vulvulina alata* Sequenza,1862
= *Bolivina barbata* Phleger & Parker,1951
= *Bolivina difformis* : Colom,1952, non (Williamson,1858)
Scotland, Ireland, Wales, Galicia

B. textularioides (Reuss,18??)
= *Bolivina textularioides* Reuss,18??
Helgoland, Britain

B. cf. vadeszens (Cushman,1933)
= *Bolivina vadeszens* Cushman,1933
Kattegatt, Gullmarfjord, Skagerrak, Wales

B. alata (Sequenza,18??) : Gabel,1971
North Sea

B. earlandi (Parr,1???) : Gabel,1971
North Sea

B. subspinescens (Cushman,19??) : Gabel,1971
North Sea

Latibolivina Srinivasan,1966 (™ *Bolivina anastomosa* Finlay,1939)

Lugdunum Saidova,1975 (™ *Bolivina hantkeniana* Brady,1881)

Bolivitacea Cushman,1927

Bolivitidae Cushman,1927

Bolivinita Cushman,1927

B. quadrilatera (Schwager,1866)
= *Textilaria quadrilatera* Schwager,1866 (TM)
off SW Ireland, off Canaries, off Cape Verde

Cassidulinacea d'Orbigny,1839

Cassidulinidae d'Orbigny,1839

Cassidulininae d'Orbigny,1839

Cassidulina d'Orbigny,1826
= *Entrochus* Ehrenberg,1843 (TM *Entrochus septatus* Ehrenberg,1843)
= *Selenostomum* Ehrenberg,1858
= *Lernina* Saidova,1975 (TM *Lernina micae* Saidova,1975)
= *Lernina* Khusid,1973 (name not available)

C. laevigata d'Orbigny,1826 (TM)
* very common in W Norway
Bohusl., Oslofjord, Bergen, Vadsø, Spitsbergen, Novaja Zemlja, Franz Josefs Land, Arctic Ocean, Greenland, Iceland, Shetlands, W Scotland, off W Ireland

C. obtusa Williamson,1858
= *C. crassa* : Auct., non d'Orbigny,1839
Oslofjord, Barents Sea, Spitsbergen, Novaja Zemlja, Iceland, Greenland, Arctic Ocean, Belgium, Engl. Channel, Celtic Sea, Arcachon, Biscay

C. carinata Silvestri,1896
= *Cassidulina laevigata* d'Orbigny var. *carinata* Silvestri,1896
Celtic Sea, S Cornwall, western approaches to the Engl. Channel, Biscay, Galicia

C. reniforme Nørvang,1945
= *Cassidulina crassa* d'Orbigny var. *reniforme* Nørvang,1945
Iceland, ?Wales

C. curvata Phleger & Parker,19?? : Gabel,1971
North Sea

C. sp., aff. *C. pulchella* d'Orbigny,18?? : Gabel,1971
North Sea

C. cf. *translucens* Cushman & Hughes,1925 : Nørvang,1945
Iceland

Cassidulinoides Cushman,1927 (TM *Cassidulina parkeriana* Brady,1881)

C. bradyi (Norman, in Wright,1881)
= *Cassidulina bradyi* Norman, in Wright,1881
Østerfjord, Bergen, N North Sea, Faeroe Channel, Iceland, W Scotland, off W & SW Ireland, western approaches of the Engl. Channel at >420 m., Biscay

Globocassidulina Voloshinova,1960 (TM *Cassidulina globosa* Hantken,1876)
= *Cassilongina* Voloshinova,1960 (TM *Cassidulina oblonga* Reuss,1850)
= *Smyrnelia* I.A. Basov,1974 (name not available)
= *Sphaeroislandiella* Burmistrova,1974 (name not available)
= *Bradynella* Burmistrova,1974 (name not available)
= *Cassidulinella* Saidova,1975 (TM *Cassidulinella salebrosa* Saidova,1975)
= *Smyrnelia* Saidova,1975 (TM *Cassidulina subglobosa* Brady var. *subcalifornica* Drooger,1953)
= *Sphaeroislandiella* Saidova,1975 (TM *Sphaeroislandiella notanella* Saidova,1975)
= *Bradynella* Saidova,1975 (TM *Cassidulina subglobosa* Brady,1881)

G. aff. *G. subglobosa* (Brady,1881)
Barents Sea, Celtic Sea, western approaches to the Engl. Channel, Biscay

G. oblonga (Reuss,1850)
= *Cassidulina oblonga* Reuss,1850
Ireland

G. nitidula (Chaster,1892)
= *Pulvinulina nitidula* Chaster,1892
North Sea, Iceland, W Scotland, W Ireland, S Cornwall, Mediterranean

Islandiella Nørvang,1959 (TM *Cassidulina islandica* Nørvang,1945)
= *Cassilamellina* Voloshinova,1960 (TM *Cassidulina californica* Cushman & Hughes,1925)
= *Planocassidulina* Gudina,1966 (TM *Cassidulina norcrossi* Cushman,1933)
= *Cassandra* Gudina & Saidova, in Gudina & al.,1968 (TM *Cassidulina inflata* Gudina,1966)
= *Cassidulina* Sellier de Civrieux,1969 (TM *Cassidulina norcrossi* Cushman,1933)
?= *Rosaella* Saidova,1975 (TM *Rosaella rosae* Saidova,1975)
= *Discoislandiella* Saidova,1975 (TM *Cassidulina smechevi* Voloshinova, in Voloshinova & Dain,1952)

I. islandica (Nørvang,1945)
= *Cassidulina islandica* Nørvang,1945
= *Cassidulina islandica* Nørvang,1945 forma *minuta* Nørvang,1945, non *Cassidulina minuta* Cushman,1933
= *Cassidulina islandica* Nørvang,1945 var. *noervangi* Thalmann, in Phleger,1952
Iceland

I. helena Feyling-Hansen & Buzas,1976
= *Cassidulina teretis* : Loeblich & Tappan,1953, non Tappan,1951
= *Cassidulina laevigata* : Parker & Jones,1865, : Cushman,1948, non d'Orbigny,1826
Spitsbergen, NE, N, NW & W Greenland, Russian Arctic

I. teretis Tappan,1951
= *Cassidulina teretis* Tappan,1953 : Gabel,1971
North Sea

I. norcrossi (Cushman,1933)
= *Cassidulina norcrossi* Cushman,1933
North Sea, Iceland, Spitsbergen, NE & NW Greenland

Ehrenberginae Cushman,1927

Burseolina Seguenza,1880 (TM *Burseolina calabra* Seguenza,1880)
= *Cassisphaerina* Saidova,1975 (TM *Cassisphaerina globula* Saidova,1975)
= *Cushmanulla* Saidova,1975 (TM *Cassidulina pacifica* Cushman,1925)

Ehrenbergina Reuss,1850 (TM *Ehrenbergina serrata* Reuss,1850)

Turilinacea Cushman,1927

Stainforthiidae Reiss,1963

Cassidelina Saidova,1975 (TM *Cassidelina profunda* Saidova,1975)

Hopkinsina Howe & Wallace,1932 (TM *Hopkinsina danvillensis* Howe & Wallace,1932 = *Virgulina recta* Cushman var. *howei* Cushman,1936)

Stainforthia Hofker,1956

S. concava (Höglund,1947)
= *Virgulina concava* Höglund,1947 (TM)
Kattegatt, Gullmarfjord, Koster Channel, Skagerrak, Oslofjord, Barents Sea

S. concava (Höglund,1947) var. *loeblichii* (Feyling-Hansen,1954)

= *Virgulina loeblichii* Feyling-Hansen,1954
Wales, Oslofjord (late quaternary)

S. subdepressa (Brady,18??) : Gabel,1971
North Sea

Buliminacea Jones,1875

Siphogenerinoidae Saidova,1981

Siphogenerinoidinae Saidova,1981

Loxostomatina Sellier de Civrieux,1969, non Saidova,1975 (TM *Bolivina mayori* Cushman,1922)
= *Loxostomella* Saidova,1975

Parabrizalina Zweig-Strykowski & Reiss,1976

P. porrecta (Brady,1881)
= *Bolivina porrecta* Brady,1881 (TM)
= *Loxostomum porrectum* : Höglund,1947
Skagerrak, Bergen, Fearoe Channel

Rectobolivina Cushman,1927

R. bifrons (Brady,1881) : Gabel,1971
= *Sagrina bifrons* Brady,1881 (TM)
North Sea

Saidovina Haman,1984 (TM *Bolivina karreriana* Brady,1881)
= *Loxostomina* Saidova,1975, non Sellier de Civrieux,1969

Tubulogenerininae Saidova,1981

Rectuvigerina Mathews,1945 (TM *Siphogenerina multcostata* Cushman & Jarvis,1929)

Sagrina d'Orbigny,1839 (TM *Sagrina pulchella* d'Orbigny,1839)

Sagrinopsis Sellier de Civrieux,1969 (TM *Siphogenerina advena* Cushman,1922)

Siphogenerina Schlumberger,1882 (TM *Siphogenerina costata* Schlumberger,1883)
= *Ellipsosiphogenerina* A. Silvestri,1902
= *Rectuvigerinella* Saidova,1975 (TM *Siphogenerina raphanus* (Parker & Jones) var. *tropica* Cushman,1926)

S. dimorpha (Parker & Jones,1865)
= *Uvigerina* (*Sagrina*) *dimorpha* Parker & Jones,1865
= *Rectobolivina dimorpha* : Gabel,1971
Koster Channel, Christianssand, Bergen, Bukken Fjord, Vestfjord, Iceland, off W Scotland, Canaries

Buliminidae Jones,1875

Bulimina d'Orbigny,1826

B. marginata d'Orbigny,1826 (TM)
* Very common in W Norway
Øresund, Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, Bergen, N North Sea, Iceland, Barents Sea, Spitsbergen, Belgium, Shetlands, W Scotland, Irish Sea, Engl. Channel, Celtic Sea, Wales, Arcachon, Biscay, Galicia

B. exilis Brady,1884
= *B. elegans* d'Orbigny, var. *exilis* Brady,1884
W Scotland, Sussex, Faeroe Channel, NE, NW & W Greenland

B. cf. *alazanensis* Cushman,1927
western approaches of the Engl. Channel at >420 m., Biscay, Galicia

B. gibba Fornasini,1902
Wales, N Atlantic, Mediterranean, Adriatic

B. elongata d'Orbigny,1846
= *B. elegans* : Brady,1884, non d'Orbigny,1826
W Scotland, Irish Sea, Celtic Sea, Engl. Channel, Wales, Biscay, Galicia, Adriatic

B. elongata d'Orbigny,1846 var. *lesleyae* Atkinson,1969
= *B. elongata* : Brady,1884, non d'Orbigny,1846
Wales, N Atlantic

B. elongata d'Orbigny,1846 var. *subulata* Cushman & Parker,1937
= *B. aculeata* : Cushman,1944, non d'Orbigny,1826
Wales, Engl. Channel, Galicia

B. aculeata d'Orbigny,1826
Plymouth, off W Scotland

B. echinata d'Orbigny,1826
off W Ireland

B. inflata Seguenza,1862
off European coast in fairly deep water

B. minutissima Wright,1892
W Scotland, W Ireland, Cornwall

B. squammigera d'Orbigny, in Barker, Webb & Berthelot, 1839
around Britain, Canaries

B. buchiana d'Orbigny,1846
off SW Ireland at 87-1370 m.

B. cf. *elegans* d'Orbigny,1826
Iceland, SW Ireland, Plymouth

B. doliolum Terquem & Terquem,1886
S & SW Norway, Iceland

B. ovoides Terquem & Terquem,1886
S & SW Norway, Iceland

B. pygmaea d'Orbigny,18??
Iceland

B. spinulosa d'Orbigny,18??
Iceland

B. submarginata Parr,19?? : Gabel,1971
N North Sea

Globobulimina Cushman,1927 (TM *Globobulimina pacifica* Cushman,1927)

G. turgida (Bailey,1851)
= *Bulimina turgida* Bailey,1851
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, Bergen, N Norway

G. auriculata (Bailey,1851?) forma *gullmarensis* Höglund,1947

Gullmarfjord, Skagerrak

G. auriculata (Bailey, 1851?) forma *arctica* Höglund, 1947
Spitsbergen, Greenland

Praeglobbulimina Hofker, 1951

P. pyrula (d'Orbigny, 18??)
= *Bulimina pyrula* d'Orbigny, 18??
* Correct genus?
Iceland

P. pyrula (d'Orbigny, 18??) var. *spinescens* (Brady, 1884)
= *Bulimina pyrula* d'Orbigny var. *spinescens* Brady, 1884 (TM)
Bergen, Iceland

Protoglobbulimina Hofker, 1951

P. pupoides (d'Orbigny, 1846)
= *Bulimina pupoides* d'Orbigny, 1846 (TM)
= *Praeglobbulimina pupoides* (d'Orbigny, 1846) : Gabel, 1971
North Sea, Iceland

Buliminellidae Hofker, 1951

Buliminella Cushman, 1911 (TM *Bulimina elegantissima* d'Orbigny, 1839)

B. borealis Haynes, 1973
= *B. elegantissima* : Auct., non (d'Orbigny, 1839)
Öresund, Gullmarfjord, Skagerrak, Oslofjord, German North Sea coast, Wadden Sea, Belgium, Barents Sea, Shetlands, Irish Sea, Engl. Channel, Wales, Barents Sea, Arctic Ocean

B. convoluta (Williamson, 1858)
= *Bulimina pupoides* d'Orbigny, var. *convoluta* Williamson, 1858
Bergen, Shetlands, W Scotland, W Ireland, Cornwall

B. subteres (Brady, 1881)
= *Bulimina subteres* Brady, 1881
Norway, W Scotland, W & N Ireland, Cornwall, Faeroe Channel, Greenland, Spitsbergen, Novaja Zemlja

Uvigerinidae Haeckel, 1894

Uvigerininae Haeckel, 1894

Euvigerina Thalman, 1952
= *Euvigerina* Hofker, 1951 (name not available)

E. aculeata (d'Orbigny, 1846)
= *Uvigerina aculeata* d'Orbigny, 1846 (TM)
off SW Ireland at 1829-1866 m.

Neovigerina Thalman, 1952
= *Neovigerina* Hofker, 1950 & Hofker, 1951 (name not available)

N. ampullacea (Brady, 1884)
= *Uvigerina asperula* var. *ampullacea* Brady, 1884 (TM)
off S Ireland at 1326 m.

Uvigerina d'Orbigny, 1826 (TM *Uvigerina pygmaea* d'Orbigny, 1826 - fossil)
= *Noviava* Vella, 1963 (TM *Uvigerina peregrina* Cushman, 1923)

U. peregrina Cushman, 1923
= *U. pygmaea* : Goes, 1894, non (d'Orbigny, 1826)
* One of the most common species in W Norway,
Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, North Sea, entire Norwegian coast, Barents Sea, Iceland, Celtic Sea, Biscay, Galicia, Novaja Zemlja, Franz Josefs Land

U. canariensis d'Orbigny, 1839
W & SW Ireland, Wales, Sussex, Mediterranean, Canaries, Azores, Cape Verde

U. auberiana d'Orbigny, in de la Sagra, 1839
?off S Rockall Bank at 1152 m., Cuba

U. porrecta Brady, 1879
? Sussex, Indo-Pacific

U. asperula Czjzek, 18??
Atlantic

U. tenuistriata Reuss, 18??
Iceland

U. cf. striata d'Orbigny, 18?? : Gabel, 1971
North Sea

Angulogerininae Galloway, 1933

Angulogerina Cushman, 1927

A. angulosa (Williamson, 1858)
= *Uvigerina angulosa* Williamson, 1858 (TM)
= *Trifarina angulosa* : Gabel, 1971, : Murray, 1979
Kattegatt, Skagerrak, Oslofjord, along Norway, North Sea, Bergen, Barents Sea, Iceland, Shetlands, Belgium, Engl. Channel, Bristol Channel, Celtic Sea, Wales, Arcachon, Biscay

A. fluens Todd, in Cushman & Todd, 1947
= *A. angulosa* : Cushman, 1948, non (Williamson, 1858)
North Sea, Spitsbergen, NE, N, NW & W Greenland

Trifarina Cushman, 1923

T. bradyi Cushman, 1923 (TM)
= *Rhadinogonium tricarinata* : Brady, 1884, non *Vaginulina tricarinata* d'Orbigny, 18??
North Sea, western approaches of the Engl. Channel, off Ireland, Biscay

T. pygmaea Gabel, 1971
S North Sea

Reussellidae Cushman, 1933

Reussella Galloway, 1933
= *Reussia* Schwager, 1877, non McCoy, 1854

R. spinulosa (Reuss, 1850)
= *Verneuilina spinulosa* Reuss, 1850 (TM)
around Britain, warm Oceans

Trimosinidae Saidova, 1981

Mimosina Millett, 1900 (TM *Mimosina histrix* Millett, 1900)

Pavoninidae Eimer & Fickert, 1899

Pavonina d'Orbigny, 1826 (TM *Pavonina flabelliformis* d'Orbigny, 1826)
= *Valvopavonina* Hofker, 1951

Fursenkoinacea Loeblich & Tappan, 1961

Fursenkoinidae Loeblich & Tappan, 1961

Coryphostoma Loeblich & Tappan, 1962 (TM *Bolivina platum* Carsey, 1926)
= *Laterostoma* Hamaoui, 1979 (TM *Laterostoma neumanniae* Hamaoui, 1979)
= *Laterostoma* Hamaoui, 1975 (name not available)

Fursenkoina Loeblich & Tappan, 1961 (TM *Virgulina squamosa* d'Orbigny, 1826) (Nom. cons. ICZN Op. 1834)
= *Virgulina* d'Orbigny, 1826, non Bory de St. Vincent, 1823
= *Neobuliminoides* McCulloch, 1977 (TM *Neobuliminoides cedrosensis* McCulloch, 1977)

F. skagerakensis (Höglund, 1947)
= *Virgulina skagerakensis* Höglund, 1947
* Correct genus?
Gullmarfjord, Koster Channel, Skagerrak, Oslofjord

F. fusiformis (Williamson, 1858)
= *Bulimina pupoides* d'Orbigny, 1846 var. *fusiformis* Williamson, 1858
= "*Bulimina*" *fusiformis* : Höglund, 1947
= *Virgulina fusiformis* : Auct.
= *Stainforthia fusiformis* : Auct.
Öresund, Kattegatt, Gullmarfjord, Skagerrak, Oslofjord, S Norway, central North Sea, Iceland, Barents Sea, W Scotland, SW Ireland, Bristol Channel, Celtic Sea, Engl. Channel, Arcachon, Biscay

F. obscura (Goës, 1894)
= *Virgulina obscura* Goës, 1894
* Correct genus?
Norway, North Sea

F. sp. A : (Haynes, 1973)
= *Stainforthia* sp. A : Haynes, 1973
= *Virgulina schreibersiana* : Auct. (e.g. Goës, 1894) ? non Czjzek, 1848
Bohusl., Oslofjord, Bergen, Spitsbergen, Wales, Belgium, Engl. Channel, Arctic Ocean

F. compressa (Bailey, 18??)
= *Bulimina compressa* : Terquem & Terquem, 1886
* Correct genus???
Iceland, Arctic Ocean

Rutherfordoides McCulloch, 1981 (TM *Rutherfordia rotundiformis* McCulloch, 1977)
= *Rutherfordia* McCulloch, 1977, non Macgillivray, 1921
= *Hastilina* Nomura, 1983 (TM *Virgulina mexicana* Cushman, 1922)

Signavirgulina Loeblich & Tappan, 1957

S. tortuosa (Brady, 1881)
= *Bolivina tortuosa* Brady, 1881 (TM)
Britain, Mediterranean, Cape Verde

Virgulinellidae Loeblich & Tappan, 1984

Virgulinella Cushman, 1932 (TM *Virgulina pertusa* Reuss, 1861)

Delosinacea Parr, 1950

Caucasinidae N.K. Bykova, 1959

Caucasininae N.K. Bykova, 1959

Francesita Loeblich & Tappan, 1963 (TM *Virgulina? advena* Cushman, 1922)

Pleurostomellacea Reuss, 1860

Pleurostomellidae Reuss, 1860

Pleurostomellinae Reuss, 1860

Ellipsoglandulina A. Silvestri, 1900 (TM *Ellipsoglandulina laevigata* A. Silvestri, 1900)

Nodosarella Rzehak, 1895 (TM *Lingulina tuberosa* Gümber, 1870)
= *Ellipsionodosaria* A. Silvestri, 1900 (TM *Lingulina rotundata* d'Orbigny, 1846)

Pleurostomella Reuss, 1860
= *Pleurostomellina* Schubert, 1911 (TM *Pleurostomella barroisi* Berthelin, 1880 = *Pleurostomella fusiformis* Reuss, 1860)
= *Ellipsionodosaria* (*Ellipsodontalina*) Franke, 1928 (TM *Dentalina subnodosa* Reuss, 1851)
= *Clarella* Fuchs, 1967 (TM *Nodosarella articulata* Brotzen, 1936)

P. subnodosa (Reuss, 1851)
= *Dentalina nodosa* d'Orbigny : Reuss, 1846, non (d'Orbigny, 1840)
= *Dentalina subnodosa* Reuss, 1851 (TM)
warm Faeroe Channel

Stilostomellacea Finlay, 1947

Stilostomellidae Finlay, 1947

Nodogenerina Cushman, 1927 (TM *Nodogenerina bradyi* Cushman, 1927)

Orthomorphina Stainforth, 1952 (TM *Nodogenerina havanensis* Cushman & Bermúdez, 1937)

Siphonodosaria A. Silvestri, 1924 (TM *Nodosaria abyssorum* Brady, 1881)
= *Sagrinnodosaria* Jedlitschka, 1931

Strictocostella Patterson, 1987 (TM *Ellipsionodosaria modesta* Bermúdez var. *prolata* Cushman & Bermúdez, 1937)

Discorbacea Ehrenberg, 1838

Placentulinidae G.K. Kasimova, Poroshina & Geodakchan, 1980

Ashbrookinae Loeblich & Tappan, 1984

Patellinella Cushman, 1928 (TM *Textularia inconspicua* Brady, 1884)

Bagginidae Cushman, 1927

Baggininae Cushman, 1927

Baggina Cushman, 1926 (TM *Baggina californica* Cushman, 1926)

B. hauerii (d'Orbigny, 18??)
= *Pulvinulina hauerii* d'Orbigny, 18??
?Sussex

Cancriis de Montfort, 1808
= *Rotalina* d'Orbigny, 1839 (TM *Rotalina sagra* d'Orbigny, 1839)

C. auricula (Fichtel & Moll,1798)
= *Nautilus auricula* Fichtel & Moll,1798
= *Canceris auriculatus* de Montfort,1808 (TM)
Christianssand, Stavanger, Bergen, Lofoten, Barents Sea, Iceland, Celtic Sea, Bristol Channel, Engl. Channel, Arcachon, Biscay, Galicia, Canarias

C. oblongus (Williamson,1858)
= *Rotalina oblonga* Williamson,1858
= *Pulvinulina auricula* : Goës,1894, : Flint,1899, non (Fichtel & Moll,1798)
= *Canceris auricula* : Cushman,1931, non (Fichtel & Moll,1798)
North Sea, Arctic Seas, NW Scotland, Wales, Ireland, Celtic Sea, Plymouth, Biscay

Valvulineria Cushman,1926 (TM *Valvulineria californica* Cushman,1926)

Eponididae Hofker,1951

Eponidinae Hofker,1951

Eponides de Montfort,1808
= *Pulvinulus* de Lamarck,1816
= *Pulvinulina* Parker & Jones, in Carpenter, Parker & Jones,1862
= *Eponidopsis* Reiss,1960 (TM *Eponides lornensis* Finlay,1939)
= *Cribroeponides* Shchedrina,1964 (TM *Poroeponides cribrorepandus* Asano & Uchio, in Asano,1951)
= *Podolliella* Pishvanova,1972 (TM *Eponides probatus* Krashennikov,1958)

E. repandus (Fichtel & Moll,1798)
= *Nautilus repandus* Fichtel & Moll,1798 (TM)
= *Placentula pulvinata* Lamarck,1822 (TM of *Placentula* de Lamarck,1822)
NE Scotland, Orkneys, Mediterranean, Azores

E. repandus (Fichtel & Moll,1798)*concameratus* (Montagu,1808)
= *Serpula concamerata* Montagu,1808
Faeroe Channel, Iceland, Shetlands, Hebrides, W Scotland, Ireland, Wales, Barents Sea, S North Sea, Belgium, Engl. Channel, Arcachon, Biscay

E. karsteni (Reuss,1855)
= *Rotalia karsteni* Reuss,1855
= *Pulvinulina karsteni* : Brady,1881
* Correct genus?
Plymouth, Barents Sea, Novaja Zemlja, Franz Josefs Land

E. nitidula (Chaster,1892)
= *Pulvinulina nitidula* Chaster,1892
= *Prinaella nitidula* : Murray,1965
* Correct genus?
Engl. Channel

E. concentrica (Parker & Jones MS, in Brady,1864)
= *Pulvinulina concentrica* Parker & Jones MS, in Brady,1864
* Correct genus???
Bergen, Plymouth

E. umbonata (Reuss,18??)
Iceland

Ioanella Saidova,1975 (TM *Truncatulina tumidula* H.B. Brady,1884)
= *Ioanella* Khusid,1973 (name not available)

Poroeponides Cushman,1944 (TM *Rosalina lateralis* Terquem,1878)

Sestronophorinae Saidova,1981

Planopulvinulina Schubert,1921 (TM *Pulvinulina dispansa* Brady,1884)

Mississippinidae Saidova,1981

Mississippininae Saidova,1981

Mississippina Howe,1930 (TM *Mississippina monsoiri* Howe,1930)

Discorbidae Ehrenberg,1838

Discorbis de Lamarck,1804 (TM *Discorbites vesicularis* de Lamarck,1804)
= *Discorbites* de Lamarck,1804

D. vilardeboana (d'Orbigny,1839)
= *Rosalina vilardeboana* d'Orbigny,1839
= *Discorbina vilardeboana* : Auctt.
Bergen, Plymouth

D. australis Parr,19?? : Gabel,1971
North Sea

D. floridiana Cushman,19?? : Gabel,1971
?= *D. floridana* Cushman,1922
North Sea, Florida, West India

D. araucana (d'Orbigny,18??)
* Correct genus???
?Zuiderzee, ?W Ireland, Chile

D. obtusa (d'Orbigny,18??)
* Correct genus???
Oslofjord, Britain

D. biconcava (Parker & Jones,18??)
* Correct genus?
?Wales

D. peruviana d'Orbigny,18??
* Correct genus?
?Britain, Peru

D. polyraphes (Reuss,18??)
* Correct genus???
?Britain

Neoeponides Reiss,1960 (TM *Rotalina schreibersii* d'Orbigny,1846)
= *Cyclospira* Eimer & Fickert,1899, non Hall & Clark,1894 (TM *Rotalina schreibersii* d'Orbigny,1846)
= *Rotorbis* Sellier de Civrieux,1977 (TM *Rosalina auberi* d'Orbigny,1839 = *Discorbis mira* Cushman,1922)

Trochulina d'Orbigny, in Ehrenberg,1839 (TM *Rotalia turbo* d'Orbigny,1826)
= *Discorbina* Parker & Jones, in Carpenter & al.,1862 (TM *Rotalia turbo* d'Orbigny,1826)
= *Rotorbellina* Bandy,1944 (TM *Rotorbellina colliculus* Bandy,1944)
= *Lamellosdiscorbis* Bermúdez,1952 (TM *Discorbis dimidiata* Jones & Parker, in Carpenter & al.,1862)

T. turbo (D'Orbigny,1826)
= *Rotalia turbo* d'Orbigny,1826
= *Discorbina turbo* : Auctt.
Plymouth

T. chasteri (Heron-Allen & Earland,1913)

= *Discorbina minutissima* Chaster,1892, non Seguenza,18??
= *Discorbina chasteri* Heron-Allen & Earland,1913
* Correct genus???
off Faeroes, Plymouth

T. chasteri (Heron-Allen & Earland,1913), var. *bispinosa* (Heron-Allen & Earland,1913)
= *Discorbina chasteri* Heron-Allen & Earland,1913, var. *bispinosa* Heron-Allen & Earland,1913
off Faeroes, W Scotland, W Ireland, S Cornwall

T. tabernacularis (Brady,1879) : Heron-Allen & Earland,1930
= *Discorbina tabernacularis* Brady,1879
* Correct genus???
Plymouth, Cape Verde - southwards

T. lauriei Heron-Allen & Earland,1924
= *Discorbina tabernacularis* : Sidebottom,1910, non Brady,1879
* Correct genus???
Plymouth, Mediterranean

T. rosacea (d'Orbigny,1826)
= *Rotalina rosacea* d'Orbigny,1826
= *Discorbina rosacea* : Auctt.
* Correct genus???
Plymouth

T. plana Egger,1893
Helgoland

Rosalinidae Reiss,1963

Gavelinopsis Hofker,1951

G. praegeri (Heron-Allen & Earland,1913)
= *Discorbina praegeri* Heron-Allen & Earland,1913 (TM)
* probably clinging to pebbles in current-swept areas
W Ireland, around Scotland, Celtic Sea, Bristol Channel, Wales, Engl. Channel, Biscay

Hyrrokkin Cedhagen,1992?

H. sarcophaga Cedhagen,1992?
= *Pulvinulina punctulata* : Auctt., non = *Rotalia punctulata* d'Orbigny,1826
= *Eponides punctulata* : Auctt. non (d'Orbigny,1826)
@ *Isops*, *Geodia*, *Stelletta*, *Acesta*, *Lophelia* etc.
Bohusl., Norway, North Sea, Faeroes, Britain, Biscay

Neocorbina Hofker,1951

N. terquemi (Rzehak,1888)
= *Discorbina terquemi* Rzehak,1888
= *Rosalina orbicularis* Terquem,1876, non d'Orbigny,1850 (TM)
Helgoland, Plymouth

N. neapolitana Hofker,1951
= *Rosalina neapolitana* : Haynes,1973
W Ireland, Wales, Mediterranean

Rosalina d'Orbigny,1826
= *Turbinolina* d'Orbigny,1839
= *Pararosalina* McCulloch,1977 (TM *Pararosalina densitiva* McCulloch,1977)

R. globularis d'Orbigny,1826 (TM)
= *Discorbina globularis* : Auctt.
* clinging to firm substrates.
Sweden, Norway, Belgium, N Kent, Ireland, Celtic Sea, Bristol Channel, Engl. Channel, N Spain

R. globularis d'Orbigny,1826 forma *cyprinodon* (Rhumbler,1938)
= *Discorbis globularis* (d'Orbigny,1826) forma *cyprinodon* Rhumbler,1938
* Correct genus?
Helgoland

R. globularis d'Orbigny,1826, var. *anglica* (Cushman,1931)
= *Discorbis globularis* (d'Orbigny,1826), var. *anglica* Cushman,1931
= *Discorbina irregularis* Heron-Allen & Earland,1913, non Rhumbler,1906
NE Scotland

R. anomala Terquem,1875
= *R. globularis* : Voorthuysen,1958, : Haake,1962, non d'Orbigny,1826
= *Discorbina globularis* : Goës,1894, non d'Orbigny,1826
North Sea, Arctic, NE Scotland, Ireland, Wales, Engl. Channel

R. columbiensis (Cushman,1925)
= *Discorbis columbiensis* Cushman,1925
Oslofjord

R. concinna (Brady,1884)
= *Discorbina concinna* Brady,1884
?Netherlands, Engl. Channel

R. globulus d'Orbigny,1826
Engl. Channel

R. williamsoni (Chapman & Parr,1932)
= *Discorbis williamsoni* Chapman & Parr,1932
= *Rotalina nitida* Williamson,1858, non Reuss,1844
= *Discorbis nitida* : Cushman,1931
* Should perhaps be moved to *Neocorbina* Hofker?
Oslofjord, German North Sea, Netherlands, Belgium, Faeroes, Iceland, all around Britain, Galicia, Mediterranean

R. irregularis (Rhumbler,1906)
= *Discorbina irregularis* Rhumbler,1906
W Ireland, Engl. Channel

R. cf. bradyi (Cushman,1915) : Haynes,1973
Wales

R. cf. mediterraneensis d'Orbigny,1826 : Murray,1965
Engl. Channel

R. sp. : Gabel,1971
German Bight

Rotorboides Sellier de Civrieux,1977 (TM *Discorbina valvulata* (d'Orbigny) var. *granulosa* Heron-Allen & Earland,1915)

Tretomphalus Möbius,1880 (TM *Rosalina bulloides* d'Orbigny,1839)

Bronnimanniidae Loeblich & Tappan,1984

Bronnimannia Bermúdez,1952 (TM *Discorbis palmerae* Bermúdez,1935)
= *Neobronnimannia* McCulloch,1977 (TM *Neobronnimannia compacta* McCulloch,1977)

Rotaliellidae Loeblich & Tappan,1964

Metarotaliella Grell,1962

M. parva Grell,1962 (TM)
France

Rotaliella Grell,1954 (TM *Rotaliella heterocaryotica* Grell,1954)

R. roscoffensis ?Grell,195?
Roscoff

Sphaeroidinidae Cushman,1927

Sphaeroidina d'Orbigny,1826
= *Sexloculina* Czjzek,1848 (TM *Sexloculina haueri* Czjzek,1848)

S. bulloides d'Orbigny,1826 (TM)
Bergen

Glabratellacea Loeblich & Tappan,1964

Glabratellidae Loeblich & Tappan,1964

Discorbinoides Saidova,1975 (TM *Discorbinoides subpatelliformis* Saidova,1975)
= *Sabinoides* McCulloch,1977 (TM *Sabinoides densiformis* McCulloch,1977)

Glabratella Dorreen,1948 (TM *Glabratella crassa* Dorreen,1948)
= *Glabrosalina* McCulloch,1977 (TM *Glabrosalina distincta* McCulloch,1977)

G. millettii (Wright,1911)
= *Discorbina millettii* Wright,1911
= *Rosalina millettii* : Haynes,1973
= *Discorbis orbicularis* (Terquem) var. *selseyensis* (Heron-Allen & Earland,1911) : Cushman,1949
* clinging to firm substrates. Correct genus?
German North Sea, W Scotland, W Ireland, Irish Sea, Belgium, Engl. Channel, Wales

G. wrightii (Brady,1881)
= *Discorbina parisiensis* : Wright,1877 (p.p. - plate iv, fig. 2), non (d'Orbigny,1826)
= *Discorbina wrightii* Brady,1881
= *Discorbina baccata* Heron-Allen & Earland,1913
= *Discorbis* (*Glabratella*) *wrightii* : Haynes,1973
Novaja Zemlja, W Scotland, Ireland, Wales, Engl. Channel

G. parisiensis (d'Orbigny,1826)
= *Rosalina parisiensis* d'Orbigny,1826
= *Discorbina parisiensis* : Wright,1877 (p.p. - plate iv, fig. 1)
* Correct genus?
Belgium, Plymouth

Glabratellina Seiglie & Bermúdez,1965 (TM *Glabratellina arcuata* Seiglie & Bermúdez,1965)
= *Crumia* McCulloch,1977 (TM *Crumia albida* McCulloch,1977)
= *Sabinia* McCulloch,1977, non Parona,1909 (TM *Sabinia turritiformis* McCulloch,1977)
= *Sabinina* McCulloch,1981 (TM *Sabinina turritiformis* McCulloch,1977)

Heronalleniidae Loeblich & Tappan,1986

Heronallenia Chapman & Parr,1931 (TM *Discorbina wilsoni* Heron-Allen & Earland,1922)
= *Metaheronallenia* McCulloch,1977 (TM *Metaheronallenia rugosiformis* McCulloch,1977)
= *Neoheronallenia* McCulloch,1977 (TM *Neoheronallenia craigi* McCulloch,1977)
= *Planoheronallenia* McCulloch,1977 (TM *Planoheronallenia wenmanensis* McCulloch,1977)
= *Subheronallenia* McCulloch,1977 (TM *Subheronallenia crosbyi* McCulloch,1977)
= *Guyhoytina* McCulloch,1981 (TM *Guyhoytina helena* McCulloch,1981)

Buliminoididae Seiglie,1970

Buliminoides Cushman,1911 (TM *Bulimina williamsoniana* Brady,1881)

Siphoninacea Cushman,1927

Siphoninidae Cushman,1927

Siphonininae Cushman,1927

Siphonina Reuss,1850 (TM *Siphonina fimbriata* Reuss,1850 = *S. reticulata* (Czjzek,1848))

S. georgiana Haynes,1973
= *Truncatulina reticulata* : Brady,1884, : Chaster,1892, non (Czjzek,1848)
= *Siphonina tubulosa* : Heron-Allen & Earland,1930 non Cushman,1927
= *Siphonina reticulata*? : Cushman,1931, non (Czjzek,1848)
Belgium, Wales, Engl. Channel

Discorbinellacea Sigal,1952

Parrelloidiidae Hofker,1956

Cibicoides Thalman,1939 (TM *Truncatulina mundula* Brady, Parker & Jones,1890)
= *Dendrina* Costa MS, in Fornasini,1898, non Quenstedt,1848 (TM *Dendrina succinea* Costa MS, in Fornasini,1898)

Pseudoparrellidae Voloshinova,1952

Pseudoparrellinae Voloshinova,1952

Alabaminoides Gudina & Saidova,1967 (TM *Alabamina mitis* Gudina,1966)

Epistominella Husezima & Maruhasi,1944 (TM *Epistominella pulchella* Husezima & Maruhasi,1944)

E. vitrea Parker, in Parker, Phleger & Peirson,1953
NW Scotland, Celtic Sea, Bristol Channel, Engl. Channel

E. exigua (Brady,1884)
= *Pulvinulina exigua* Brady,1884
Oslofjord, Spitsbergen

E. naraensis (Kuwano,1950)
= *Pseudoparrella naraensis* Kuwano,1950
= *Pulvinulinella exigua* : Hofker,1951, non Brady,1884
Wales, Japan

Pseudoparrella Cushman & ten Dam,1948 (TM *Pulvinulinella subperuviana* Cushman,1926)
= *Pulvinulinella* Cushman,1926, non Eimer & Fickert,1899
= *Peschongia* McCulloch,1977 (TM *Peschongia bikiniensis* McCulloch,1977)

Stetsoniinae Saidova,1981

Stetsonia F.L. Parker,1954 (TM *Stetsonia minuta* F.L. Parker,1954)

Discorbinellidae Sigal,1952

Discorbinellinae Sigal,1952

Discorbinella Cushman & Martin,1935 (TM *Discorbinella montereyensis* Cushman & Martin,1935)
= *Discopulvinulina* Hofker,1951 (TM *Rosalina bertheloti* d'Orbigny,1839)
= *Discorbinellopsis* McCulloch,1977 (TM *Discorbinellopsis symmetrica* McCulloch,1977)

= *Discorbinoides* McCulloch,1977, non Saidova,1975 (TM *Discorbinoides chinaensis* McCulloch,1977)
= *Neoplanodiscorbis* McCulloch,1977 (TM *Neoplanodiscorbis galapagosensis* McCulloch,1977)
= *Discorbinoidella* McCulloch,1981 (TM *Discorbinoides chinaensis* McCulloch,1977)

D. berthelothiana (Parker & Jones,1865)
off Ireland

D. sp. A. aff *bertheloti* (d'Orbigny,1839) : Haynes,1973
Wales

D. bertheloti (d'Orbigny,1839)
= *Rosalina bertheloti* d'Orbigny,1839
= *Discorbis bertheloti*? : Norvang,1941
Bergen, Vesteraalen, Shetlands, Iceland, W Scotland, Ireland, Novaja Zemlja, Canaries

Discorbiina Sellier de Civrieux,1977

D. pustulata (Heron-Allen & Earland,1913)
= *Discorbina pustulata* Heron-Allen & Earland,1913 (TM)
Plymouth

Laticarinina Galloway & Wissler,1927
= *Carinina* Galloway & Wissler,1927, non Hubrecht,1887
= *Parvicarinina* Finlay,1940 (TM *Truncatulina tenuimargo* Brady var. *altocamerata* Heron-Allen & Earland,1922)
= *Mesocarinina* McCulloch,1977 (TM *Mesocarinina velata* McCulloch,1977)
= *Metacarinina* McCulloch,1977 (TM *Metacarinina inferillata* McCulloch,1977)

L. pauperata (Parker & Jones,1865)
= *Pulvinulina repanda* (Fichtel & Moll) var. *menardii* d'Orbigny subvar. *pauperata* Parker & Jones,1865 (TM)
N Atlantic (56° N - southwards)

Planorbulinacea Schwager,1877

Planulinidae Bermúdez,1952

Hyalinea Hofker,1951
= *Hofkerinella* Bermúdez,1952

H. balthica (Schröter,1783)
= *Nautilus balthicus* Schröter,1783 (TM)
= *Anomalina balthica* : Cushman,1931
= *Operculina ammonoides* : Auctt., non Gronovius,1???
* very common in W Norway
Baltic, Oslofjord, S Norway, Bergen, Vadsø, central North Sea, Iceland, Barents Sea, Shetlands, Orkneys, Hebrides, NW Scotland, Ireland, Celtic Sea, western approaches to the Engl. Channel, Biscay, Galicia, Canaries

Planulina d'Orbigny,1826

P. ariminensis d'Orbigny,1826 (TM)
N Atlantic at 150-1600 fathoms, off Brazil

P. sp. : Murray,1965
Engl. Channel

Cibicididae Cushman,1927

Cibicidinae Cushman,1927

Cibicides de Montfort,1808 (TM *Cibicides refulgens* de Montfort,1808)
= *Storilus* de Montfort,1808 (TM *Storilus radiatus* de Montfort,1808)
= *Truncatulina* d'Orbigny,1826

C. pseudoungerianus (Cushman,1922)
= *Truncatulina pseudoungeriana* Cushman,1922
= *Truncatulina ungeriana* : Brady,1884, non *Rotalina ungeriana* d'Orbigny,1826
* clinging to firm substrates.
* Is this not a *Lobatulina* Fleming?
Oslofjord, Bergen, Barents Sea, Shetlands, off W & SW Ireland, Belgium, Celtic Sea, Arcachon, Biscay, Galicia

C. fletcheri Galloway & Wissler,1927
* Correct genus?
Iceland, Faeroes, Wales

C. fletcheri Galloway & Wissler,1927 var. *sachalinica* Vasilenko,1954
? = *Planorbulina akneriana* : Goës,1894, non (d'Orbigny,1846)
* Correct genus?
?Bohusl., ?S Norway, ?Hardanger, Wales

C. advenum (d'Orbigny,1838)
= *Truncatulina advena* d'Orbigny,1839
Plymouth

C. refulgens de Montfort,1808
along Norway - Vadsø, Spitsbergen, Barents Sea, Arctic Ocean, off W Scotland, W Ireland, Plymouth, Iceland

C. akneriana (d'Orbigny,1846)
= *Rosalina akneriana* d'Orbigny,1846
* Correct genus?
Plymouth

C. pygmaea (Hantken,1875)
= *Truncatulina pygmaea* Hantken,1875
= *Pulvinulina pygmaea* Hantken,1875
* Correct genus?
Plymouth

C. ungerianus (d'Orbigny,1846)
= *Rotalina ungeriana* d'Orbigny,1846
* Correct genus?
Plymouth

C. perlucina Nuttal,1??? : Gabel,1971
North Sea

C. irregularis (Terquem & Terquem,1886)
= *Anomalina irregularis* Terquem & Terquem,1886
* Correct genus???
Stavanger, Iceland

C. hemisphaerica (Terquem,18??)
= *Anomalina hemisphaerica* Terquem,18??
* Correct genus???
Dunkerque

C. limbata (Terquem,18??)
= *Anomalina limbata* Terquem,18??
* Correct genus???
Dunkerque

C. nodulosa (Terquem,18??)
= *Anomalina nodulosa* Terquem,18??
* Correct genus???
Dunkerque

- C. scutellata* (Terquem,18??)
= *Anomalina scutellata* Terquem,18??
* Correct genus??
Dunkerque
- C. simplex* (Terquem,18??)
= *Anomalina simplex* Terquem,18??
* Correct genus??
Dunkerque
- C. boueana* (d'Orbigny,1846)
= *Truncatulina boueana* d'Orbigny,1846
* Correct genus?
Iceland
- C. tuberculata* (d'Orbigny,1826)
= *Truncatulina tuberculata* d'Orbigny,1826
* Correct genus??
Iceland, European coasts, Mediterranean
- C. globulosa* (Terquem & Terquem,1886)
= *Truncatulina globulosa* Terquem & Terquem,1886
* Correct genus??
Iceland
- C. rotundatus* Shchedrina,19??
Barents sea
- C. shokalskii* Shchedrina,19??
Barents Sea
- Cibicidina* Bandy,1949 (TM *Cibicidina walli* Bandy,1949)
- Fontbotia* González-Donoso & Linares,1970
- F. wuellerstorfi* (Schwager,1866)
= *Anomalina wuellerstorfi* Schwager,1866 (TM)
= *Planulina wuellerstorfi* (Schwager,1866) : Gabel,1971
off Bergen, along N Norway, Iceland
- Lobatula* Fleming,1828
- L. lobatulus* (Walker & Jacob, in Kanmacher,1798)
= *Nautilus lobatulus* Walker & Jacob, in Kanmacher,1798
= *Serpula lobata* Montagu,1803
= *Lobatula vulgaris* Fleming,1828 (TM)
= *Cibicides lobatulus* : Auctt.
* clings to seaweeds, tunicates, dead bryozoan colonies & other firm substrates.
Belt Sea, Øresund, Bohusl., Oslofjord, entire Norway, Spitsbergen, Barents Sea, Novaja Zemlja, Belgium, Iceland, Faeroes, Ireland, Engl. Channel, Celtic Sea, Orkneys, Arcachon, Biscay, Galicia
- Stichocibicidinae Saidova,1981
- Dyocibicides* Cushman & Valentine,1930 (TM *Dyocibicides biserialis* Cushman & Valentine,1930)
= *Rectocibicidella* McLean,1956 (TM *Rectocibicidella robertsi* McLean,1956)
- D. biserialis* Cushman & Valentine,1930 : Gabel,1971
North Sea
- D. uniserialis* Thalmann,18?? : Gabel,1971
North Sea
- Annulocibicidinae Saidova,1981
- Cyclocibicides* Cushman,1927
- C. vermiculata* (d'Orbigny,1826)
= *Planorbulina vermiculata* d'Orbigny,1826 (TM)
Sussex, W Ireland, Mediterranean
- Planorbulinidae Schwager,1877
- Caribeanelinae Saidova,1981
- Caribeanelia* Bermúdez,1952 (TM *Caribeanelia polystoma* Bermúdez,1952)
= *Oinonikadoina* Matsunaga,1954 (TM *Oinonikadoina ogisnensis* Matsunaga,1954)
= *Pseudocibicidoides* Ujiie,1956 (TM *Pseudocibicidoides katasensis* Ujiie,1956)
- Planorbulininae Schwager,1877
- Planorbulina* d'Orbigny,1826 (TM *P. mediterraneensis* d'Orbigny,1826)
= *Asterodiscus* Ehrenberg,1839 (TM *Asterodiscus forskalii* Ehrenberg,1839 = *Planorbulina mediterraneensis* d'Orbigny,1826)
= *Spirobotrys* Ehrenberg,1844 (TM *Spirobotrys aegaea* Ehrenberg,1844 = *Planorbulina mediterraneensis* d'Orbigny,1826)
= *Cibicidella* Cushman,1927 (TM *Truncatulina variabilis* d'Orbigny,1826)
- P. distoma* Terquem,1876
= *P. mediterraneensis* : Auctt., non d'Orbigny,1826 (TM)
= *Planorbulina vulgaris* : Williamson,1858, non d'Orbigny,1839
* clinging to firm substrates.
W Sweden, along Norway - Tromsø, Iceland, E & W North Sea, Belgium, Barents Sea, Orkneys, Engl. Channel, Bristol Channel, Wales, Ireland, Celtic Sea, Arcachon, Biscay, Galicia
- P. variabilis* (d'Orbigny,1826)
= *Truncatulina variabilis* d'Orbigny,1826
Plymouth, Iceland, Mediterranean, Canaries
- P.* sp. A : Haynes,1973
Wales
- Planorbulinella* Cushman,1927 (TM *Planorbulina vulgaris* d'Orbigny var. *larvata* Parker & Jones,1865)
- Cymbaloporidae Cushman,1927
- Cymbaloporinae Cushman,1927
- Cymbaloporetta* Cushman,1928 (TM *Rosalina squamosa* d'Orbigny,1839)
= *Pseudoretromphalus* Hofker,1979 (TM *Tretomphalus bulloides* (d'Orbigny) var. *plana* Cushman,1924)
- Victoriellidae Chapman & Crespin,1930
- Rupertininae Loeblich & Tappan,1961
- Rupertina* Loeblich & Tappan,1961
= *Rupertia* Wallich,1877, non Gray,1865 (TM *Rupertia stabilis* Wallich,1877)
- R. stabilis* (Wallich,1877)
= *Rupertia stabilis* Wallich,1877 (TM)
Christiansund, Spitsbergen, Iceland, Rockall Bank, Biscay
- Acervulinacea Schultze,1854
- Acervulinidae Schultze,1854
- Acervulina* Schultze,1854
= *Aphrosina* H.J. Carter,1879 (TM *Aphrosina informis* H.J. Carter,1879)
- A. inhaerens* Schultze,1854 (TM)
= *Gypsina inhaerens* : Auctt.
* encrusts bryozoan colonies.
Bohusl., ?Norway, Belgium, Engl. Channel, NE & W Scotland, Orkneys
- Gypsina* H.J. Carter,1877 (TM *Polytrema planum* H.J. Carter,1876)
- G. vesicularis* (Parker & Jones,1860)
= *Orbitolina vesicularis* Parker & Jones,1860
?Norway, W Ireland
- G. vesicularis* (Parker & Jones,1860), var. *intermedia* Goës,1894
Bohusl., Norway
- Sphaerogypsina* Galloway,1933 (TM *Ceripora globulus* Reuss,1848 = *Chaetetes pygmaeus* Reuss,1848 = *Tinoporos fuchsi* Karrer,1877)
= *Oxcentrogypsina* Popescu,1975 (TM *Tinoporos fuchsi* Karrer,1877)
- Asterigerinacea d'Orbigny,1839
- Epistomariidae Hofker,1954
- Epistomariinae Hofker,1954
- Pseudoeponides* Uchio, in Kawai & al.,1950 (TM *Pseudoeponides japonicus* Uchio, in Kawai & al.,1950)
- Nuttallidinae Saidova,1981
- Nuttallides* Finlay,1939 (TM *Eponides truempyi* Nuttall,1930)
= *Oxangulariella* Saidova,1975 (TM *Eponides bradyi* Earland,1934)
- Asterigerinidae Reiss,1963
- Asterigerinata* Bermúdez,1949 (TM *Asterigerinata dominicana* Bermúdez,1949)
- A. mamilla* (Williamson,1858)
= *Rotalina mamilla* Williamson,1858
= *Discorbina mamilla* : Auctt.
Wadden Sea, Shetlands, NW Scotland, Ireland, Bristol Channel, Wales, Engl. Channel, Arcachon, N Spain, Mediterranean
- Biasterigerina* Seiglie & Bermúdez,1965
- B. planorbis* (d'Orbigny,1846)
= *Asterigerina planorbis* d'Orbigny,1846 (TM)
Plymouth
- Eoepionidella* Wickenden,1949 (TM *Eoepionidella linki* Wickenden,1949)
= *Heminwayina* Bermúdez,1951 (TM *Discorbis multisectus* Galloway & Heminway,1941)
= *Prinaella* Anderson,1963 (TM *Prinaella? pulchella* F.L. Parker,1952)
- E. pulchella* (F.L. Parker,1952)
= *Prinaella? pulchella* F.L. Parker,1952
Belt Sea
- Asterigerinidae d'Orbigny,1839
- Asterigerina* d'Orbigny,1839 (TM *Asterigerina carinata* d'Orbigny,1839)
- Amphisteginidae Cushman,1927
- Amphistegina* d'Orbigny,1826 (TM *Amphistegina quoyii* d'Orbigny,1826 = *Nautilus radiatus* Fichtel & Moll,1798)
= *Omphalophacus* Ehrenberg,1839 (TM *Omphalophacus henrichii* Ehrenberg,1840)
- "A. radiata* Terquem,1881", ?non Fichtel & Moll,1798
Dunkerque
- "A. vulgaris* d'Orbigny,18?? : Terquem,1881"
Dunkerque
- Nonionacea Schultze,1854
- Nonionidae Schultze,1854
- Nonioninae Schultze,1854
- Haynesina* Banner & Culver,1978
- H. germanica* (Ehrenberg,1840)
= *Nonionina germanica* Ehrenberg,1840 (TM)
= *Nonion germanicum* : Auctt.
= *Protelphidium germanicum* : Auctt.
= *Nonion tisburyensis* Butcher,1948
= *Nonoin paraliun* Tintant,1954
= *Protelphidium anglicum* Murray,1965
* Tolerates 1 ppt salinity. Intertidal.
Uddevalla, SE North Sea, Wadden Sea, Barents Sea, Engl. Channel, Wales, Arcachon, N Spain
- Nonion* de Montfort,1808 (TM *Nautilus faba* Fichtel & Moll,1798 - replacement type species: see ICZN ZN(S) 2225/1 - petition pending)
= *Azera* Khalilov,1958 (TM *Azera transversa* Khalilov,1958)
= *Neonomalina* McCulloch,1977 (TM *Neonomalina chincaensis* McCulloch,1977)
= *Abbottina* McCulloch,1977 (TM *Abbottina tannerbankensis* McCulloch,1977)
- N. faba* (Fichtel & Moll,1798)
= *Nautilus faba* Fichtel & Moll,1798
Plymouth
- N. depressulus* (Walker & Jacob, in Kanmacher,1798)
= *Nautilus depressulus* Walker & Jacob, in Kanmacher,1798
Wadden Sea, E Kent, NW Scotland, W. Ireland, Celtic Sea, Engl. Channel, Bristol Channel, Wales, Novaja Zemlja, Franz Josefs Land
- N. depressulum granosum* (d'Orbigny,18??)
= *Nonionina granosa* d'Orbigny,18??
* Correct genus??
Helgoland
- N. zaandamae* (van Vorthuysen,1952)
= *Anomalinoidea barleeanum* (Williamson) var. *zaandamae* van Vorthuysen,1952
= *Nonion pompiloides* : Cushman,1930, non (Fichtel & Moll,1798)
= *Nonion barleeanum* : Auctt., non *Nonionina barleeanum* Williamson,1858
= *Nonion barleeanum* (Williamson) var. *inflatum* van Vorthuysen,1950, non *Nonionina inflata* Alth,1850, nec *Anomalinoidea barleeanum* (Williamson) var. *inflatum* (van Vorthuysen) van Vorthuysen,1950
Bergen, NE, N & NW Greenland, Barents Sea

- N. (Florilus) pauperatum* (Balkwill & Wright, 1885)
= *Nonionina pauperata* Balkwill & Wright, 1885
German North Sea, Netherlands, Wales, Ireland, W Scotland, Engl. Channel
- N. ornaticimum* Cushman, 19?? : Gabel, 1971
North Sea
- N. crassulum* (Walker & Jacob, in Kanmacher, 1798)
= *Nautilus crassulus* Walker & Jacob, in Kanmacher, 1798
* Correct genus??
N Kent, ?Iceland
- Nonionella* Cushman, 1926 (TM *Nonionella miocenica* Cushman, 1926)
= *Ziesenhennia* McCulloch, 1977 (TM *Ziesenhennia simplex* McCulloch, 1977)
- N. auricula* Heron-Allen & Earland, 1930
Oslofjord, N Kent, Netherlands, Plymouth, Wales, W & NW Greenland
- N. turgida* (Williamson, 1858)
= *Rotalina turgida* Williamson, 1858
Øresund, Oslofjord, Hardangerfjord, Bergen, Bukken, Lofoten, Vesteraalen, Novaja Zemlja, Iceland, E Greenland, North Sea, Faeroe Channel, Barents Sea, Shetlands, Orkneys, Hebrides, Irish Sea, NW Scotland, Engl. Channel, Celtic Sea, Arcachon, Biscay, Mediterranean
- N. scapha* (Fichtel & Moll, 1798)
= *Nautilus scapha* Fichtel & Moll, 1798, non de Wulfen, 1791
= *Nonionina scapha* : Brady, 1881
North Sea, Iceland, Novaja Zemlja
- N. turgida* (Williamson, 1858), var. *digitata* Nørvang, 1945
Iceland, Wales
- N. iridea* Heron-Allen & Earland, 1932
Oslofjord
- N. (? Nonionellina)* sp. A : Haynes, 1973
Wales
- N. sloani* (d'Orbigny, 18??) : Gabel, 1971
North Sea
- N. warburgi* Brotzen, 19?? : Gabel, 1971
North Sea
- N. atlantica* Cushman, 19?? : Gabel, 1971
North Sea
- N. extensa* (Brotzen, 19??) : Gabel, 1971
North Sea
- Nonionellina* Voloshinova, 1958
- N. labradorica* (J.W. Dawson, 1860)
Nonionina labradorica J.W. Dawson, 1860 (TM)
= *Nonion labradoricum* : Auctt.
Øresund, Bohusl., Oslofjord, Bergen, Barents Sea, Spitsbergen, Iceland, NE, N & NW Greenland, Novaja Zemlja
- Nonionoides* Saidova, 1975 (TM *Nonionina grateloupi* d'Orbigny, 1826)
- Pseudononion* Asano, 1936 (TM *Pseudononion japonicum* Asano, 1936)
- Astrononioninae* Saidova, 1981
- Astrononion* Cushman & Edwards, 1937 (TM *Nonionina stelligera* d'Orbigny, 1839)
- A. gallowayi* Loeblich & Tappan, 1953
= *A. stellatum* Cushman & Edwards, 1937 non *Nonionina stellata* Terquem, 1882
= *A. stelligerum* : Cushman, 1948, non (d'Orbigny, 1839)
Oslofjord, Barents Sea, Spitsbergen, Iceland, NE, N & NW Greenland, Plymouth, Arctic Ocean
- A. stelligerum* (d'Orbigny, 1839)
= *Nonionina stelligera* d'Orbigny, 1839
Plymouth, Canaries, Barents Sea
- Laminononion* Hornibrook, 1964 (TM *Astrononion tumidum* Cushman & Edwards, 1937)
- Pulleninae* Schwager, 1877
- Melonis* de Montfort, 1808
- M. pompilioides* (Fichtel & Moll, 1798)
= *Nautilus pompilioides* Fichtel & Moll, 1798
= *Melonis etruscus* de Montfort, 1808 (TM)
= *Nonionina barleacea* Williamson, 1858
Oslofjord, S North Sea, Iceland, Barents Sea, Shetlands, NW Scotland, Celtic Sea, western approaches to the Engl. Channel, Biscay, Galicia
- M. umbilicatum* (Montagu, 1803)
= *Nautilus umbilicatum* Montagu, 1803
= *Nonionina umbilicata* : Brady, 1881
Plymouth, ?Iceland, Novaja Zemlja, Arctic Ocean
- Pullenia* Parker & Jones, 1862
- P. sphaeroides* (d'Orbigny, 1826)
= *Nonionina sphaeroides* d'Orbigny, 1826
= *Nonionina bulloides* d'Orbigny, 1846 (TM)
* very common in W Norway
North Sea, Oslofjord, Bergen, Vardø, Spitsbergen, Novaja Zemlja, Faeroe Channel, Britain
- P. osloensis* Feyling-Hanssen, 1954
= *P. quinqueloba minuta* Feyling-Hanssen, 1954
Oslofjord
- P. subcarinata* (d'Orbigny, 1839)
= *Nonionina subcarinata* d'Orbigny, 1839
= *Nonionina quinqueloba* Reuss, 1851
Oslofjord, Stavanger, Bergen, Vesteraalen, Iceland, warm Faeroe Channel, Shetlands, off Ireland, Engl. Channel
- Chilostomellacea* Brady, 1881
- Chilostomellidae* Brady, 1881
- Chilostomellinae* Brady, 1881
- Allomorphina* Reuss, 1849
- A. trigona* Reuss, 1850 (TM)
off Spitsbergen, Indo-Pacific
- Chilostomella* Reuss, 1849
- C. ovaidea* Reuss, 1850 (TM)
Østerfjord, Bergen, Iceland, off Ireland
- Quadrinorphinidae* Saidova, 1981
- Quadrinorphina* Finlay, 1939 (TM *Valvulina allomorphinoides* Reuss, 1860)
= *Gyromorphina* Marie, 1941
- Alabaminidae* Hofker, 1951
- Alabama* Toulmin, 1941 (TM *Alabama wilcoxensis* Toulmin, 1941)
= *Eponidoidea* Brotzen, 1942 (TM *Eponides dorsoplanus* Brotzen, 1940)
- Syratkina* Pokorn'y, 1956 (TM *Discorbis tuberculata* (Balkwill & Wright, 1885) var. *australensis* Chapman, Parr & Collins, 1934)
- S. tuberculata* (Balkwill & Wright, 1885)
= *Discorbis tuberculata* (Balkwill & Wright, 1885)
= *Discorbina tuberculata* Balkwill & Wright, 1885
* Correct genus?
Plymouth
- Osangulariidae* Loeblich & Tappan, 1964
- Osangularia* Brotzen, 1940 (TM *Osangularia lens* Brotzen, 1940)
= *Parrella* Finlay, 1939, non Ginsburg, 1938 (TM *Anomalina bengalensis* Schwager, 1866)
- Oridorsalidae* Loeblich & Tappan, 1984
- Oridorsalis* Andersen, 1961 (TM *Oridorsalis westi* Andersen, 1961)
- Heterolepidae* Gonzales-Donoso, 1969
- Anomalinoidea* Brotzen, 1942 (TM *Anomalinoidea plummerae* Brotzen, 1942 = *Anomalina pinguis* P.H. Jennings, 1936)
- Gemellides* Vasilenko, 1954 (TM *Cibicides (Gemellides) orcinus* Vasilenko, 1954)
- Heterolepa* Franzén, 1884 (TM *Heterolepa simplex* Franzén, 1884 = *Rotalina dutemplei* d'Orbigny, 1846)
= *Pseudotruncatula* Andreae, 1884 (TM *Rotalina dutemplei* d'Orbigny, 1846)
= *Cibusoides* Saidova, 1975 (TM *Cibusoides elegans* Saidova, 1975)
= *Crawfordoidea* McCulloch, 1981 (TM *Crawfordoidea semisinuosa* McCulloch, 1981)
- Gavelinellidae* Hofker, 1956
- Gyroidinoidea* Saidova, 1981
- Gyroidinoidea* Brotzen, 1942 (TM *Rotalina nitida* Reuss, 1844)
- G.* sp. : Murray, 1965
Engl. Channel
- Gavelinellinae* Hofker, 1956
- Discanomalina* Asano, 1951 (TM *Discanomalina japonica* Asano, 1951 = *Rotalina semipunctata* Bailey, 1851)
= *Paromalina* Loeblich & Tappan, 1957 (TM *Paromalina bilateralis* Loeblich & Tappan, 1957 = *Rotalina semipunctata* Bailey, 1851)
= *Pseudorosalinoides* McCulloch, 1977 (TM *Pseudorosalinoides chathamensis* McCulloch, 1977 = *Rotalina semipunctata* Bailey, 1851)
- D. crassa* (Cushman, 1931)
= *Anomalina coronata* Parker & Jones, 1857, var. *crassa* Cushman, 1931
= *Paromalina crassa* : Auctt.
Shetlands, western approaches to the Engl. Channel
- D. coronata* (Parker & Jones, 1857)
= *Anomalina coronata* Parker & Jones, 1857
= *Paromalina coronata* (Parker & Jones, 1857) : Gabel, 1971
W Norway, Vadsø, Barents Sea, Shetlands, Iceland, off Canaries
- Gyroidina* d'Orbigny, 1826 (TM *Gyroidina orbicularis* d'Orbigny, 1826)
- G. orbicularis* d'Orbigny, 1826
off SW Ireland, Mediterranean
- Hansenisca* Loeblich & Tappan, 1988 (TM *Gyroidina soldanii* d'Orbigny, 1826)
- H. neosoldanii* (Brotzen, 1936)
= *Gyroidina neosoldanii* Brotzen, 1936
= *Gyroidina soldanii* : Auctt., non d'Orbigny, 1826
* Correct genus?
Bergen, Lofoten, Iceland, S North Sea, western approaches to the Engl. Channel, Galicia
- H. neosoldani* (Brotzen, 1936) var. *nitidula* (Schwager, 1866)
= *Rotalina nitidula* Schwager, 1866
* Correct genus??
off W Ireland at 1000 fathoms
- Hanzawaia* Asano, 1944 (TM *Hanzawaia nipponica* Asano, 1944)
= *Florilus* de Montfort, 1808 (suppression suggested - ICZN ZN(S) 2225/2)
- H. asterizans* (Fichtel & Moll, 1798)
= *Nautilus asterizans* Fichtel & Moll, 1798
= *Florilus stellatus* de Montfort, 1808 (TM of *Florilus* de Montfort, 1808)
Plymouth, Novaja Zemlja, Mediterranean
- H. boueana* (d'Orbigny, 1846)
= *Nonionina boueana* d'Orbigny, 1846
* Correct species??
Plymouth
- Karreridae* Saidova, 1981
- Karrerria* Rzehak, 1891 (TM *Karrerria fallax* Rzehak, 1891)
= *Vagocibicides* Finlay, 1939 (TM *Vagocibicides maoria* Finlay, 1939)
- Trichohyalidae* Saidova, 1981
- Buccella* Andersen, 1952 (TM *Eponides hamai* Phleger & F.L. Parker, 1951)
= *Mesorotalia* McCulloch, 1977 (TM *Mesorotalia fastidiosa* McCulloch, 1977)
- B. frigida* (Cushman, 1922)
= *Pulvinulina frigida* Cushman, 1922
= *Eponides frigida* : Auctt.
= *Pulvinulina karsteni* : Brady, 1864, non Reuss, 1855
Øresund, N North Sea, German North Sea, Spitsbergen, Barents Sea, Belgium, Engl. Channel, Wales, NE, NW & W Greenland, Iceland, Biscay
- B. tenerima* (Bandy, 19??)
= *B. inusitata* Andersen, 1952
= *Eponides frigidus* : Cushman & Todd, 1947, non *Pulvinulina frigida* Cushman, 1922
Spitsbergen, NE, N, NW & W Greenland

Trichohyalus Loeblich & Tappan, 1953 (TM *Discorbis bartletti* Cushman, 1933)

T. pustulata Loeblich & Tappan, 1953
Spitsbergen

Rotaliacea Ehrenberg, 1839

Rotaliidae Ehrenberg, 1839

Pararotaliinae Reiss, 1963

Pararotalia Y. le Calvez, 1949 (TM *Rotalina inermis* Terquem, 1882)
= *Neorotalia* Bermúdez, 1952 (TM *Rotalia mexicana* Nuttall, 1928)

Ammoniinae Saidova, 1981

Ammonia Brönnich, 1772
= *Hammonia* Soldani, 1789
= *Streblus* Fisher de Waldheim, 1817
= *Turbinulina* Risso, 1826 (TM *Turbinulina italica* = *Rotalia* (les Turbinulines) *italica* d'Orbigny, 1826 = *Nautilus* beccarii Linnaeus, 1758)
= *Rolschauseia* Bermúdez, 1952 (TM *Rotalia rolschausei* Cushman & Bermúdez, 1946)

A. beccarii (Linnaeus, 1758)
= *Nautilus beccarii* Linnaeus, 1758 (TM)
Baltic entrance, Öresund, Uddevalla, S Norway, SE North Sea, Faeroes, Iceland, Wadden Sea, S Britain, NW Scotland, Arcachon, Biscaya, Galicia

A. perlucida (Heron-Allen & Earland, 1913)
= *Rotalia perlucida* Heron-Allen & Earland, 1913
Plymouth, W Scotland, W Ireland

A. aberdoveyensis Haynes, 1973
= *A. beccarii* var. *batavus* : Adams & Haynes, 1965, non Hofker, 19??
Wales

A. batavus (Hofker, 1951)
= *Streblus batavus* Hofker, 1951
Oslofjord, North Sea, Engl. Channel, Wales

A. limnetes (Todd & Brönnimann, 1957)
= *Streblus limnetes* Todd & Brönnimann, 1957
Wales, Trinidad

A. tepida (Cushman, 1926)
= *Rotalia beccarii* (Linnaeus) var. *tepida* Cushman, 1926
Poland, Wales, Puerto Rico

Elphidiidae Galloway, 1933

Elphidiinae Galloway, 1933

Cribrorophidium Cushman & Brönnimann, 1948 (TM *Cribrorophidium vadesens* Cushman & Brönnimann, 1948)
= *Elphidionionion* Hofker, 1951 (TM *Polystomella poeyana* d'Orbigny, in de la Sagra, 1839)
= *Porosonion* Putrya, in Voloshinova, 1958 (TM *Nonionina subgranosa* Egger, 1857)
= *Canalifera* (*Criptocanalifera*) Krasheninnikov, 1960 (TM *Canalifera* (*Criptocanalifera*) *clara* Krasheninnikov, 1960)
= *Retrophidium* Voloshinova, in Voloshinova & al., 1970 (TM *Elphidium longipontis* Shchedrina, 1962)
= *Toddinella* Gudina & Levchuk, 1983 (TM *Elphidium? ustulatum* Todd, 1957)

C. longipontis (Shchedrina, 1962)
= *Elphidium longipontis* Shchedrina, 1962
Barents Sea

Elphidiella Cushman, 1936 (TM *Polystomella arctica* Parker & Jones, in Brady, 1864)
= *Saidovella* Voloshinova & Kuznetsova, in Voloshinova & al., 1970 (TM *Saidovella okhotica* Voloshinova & Kuznetsova, in Voloshinova & al., 1970)
= *Pseudelphidiella* Voloshinova & Kuznetsova, in Voloshinova & al., 1970 (TM *Elphidium gorbunovi* Shchedrina, 1946)
? = *Cryptoelphidiella* Feyling-Hansen, in Feyling-Hansen & al., 1971 (TM *Cryptoelphidiella iriaensis* Feyling-Hansen, in Feyling-Hansen & al., 1971)

E. arctica (Parker & Jones, in Brady, 1864)
= *Polystomella arctica* Parker & Jones, in Brady, 1864
North Sea, E & W Scotland, W Ireland, Faeroe Channel, Shetlands, Spitsbergen, Novaja Zemlja, Franz Josefs Land, Iceland, NE, N & NW Greenland, Arctic Ocean

E. groenlandica (Cushman, 1933)
= *Elphidium groenlandicum* Cushman, 1933
Iceland, NE Greenland

Elphidium de Montfort, 1808 (TM *Nautilus macellus* var. β Fichtel & Moll, 1798)
= *Geophonus* de Montfort, 1808 (TM *Nautilus macellus* var. α Fichtel & Moll, 1798)
= *Cellanthus* de Montfort, 1808 (TM *Nautilus craticulatus* Fichtel & Moll, 1798)
= *Vorticialis* de Lamarck, 1812 (TM *Nautilus craticulatus* Fichtel & Moll, 1798)
= *Polystomella* de Lamarck, 1822 (TM *Nautilus crispus* Linnaeus, 1758)
= *Polystomatium* Ehrenberg, 1839 (TM *Nautilus strigillatus* Fichtel & Moll, 1798)
= *Cellulia* Agassiz, 1844
= *Helicoza* Möbius, 1880 (TM *Nautilus craticulatus* Fichtel & Moll, 1798)
= *Carpenterella* Krasheninnikov, 1953, non Collenette, 1933, nee Bermúdez, 1949 (TM *Nautilus craticulatus* Fichtel & Moll, 1798)
= *Canalifera* Krasheninnikov, 1953 (name not available)
= *Faugisnella* Voloshinova, 1958 (TM *Elphidium semiinvolutum* Myatlyuk, in Dabagyan, Myatlyuk & Pishvanova, 1956)
= *Planoelphidium* Voloshinova, 1958 (TM *Polystomella laminata* Terquem, 1878)
= *Canalifera* Krasheninnikov, 1960 (TM *Elphidium eichwaldi* Bogdanovich, in Serova, 1955)
= *Perfectionion* Voloshinova & Leonenko, in Voloshinova & al., 1970 (TM *Elphidium incertum* (Williamson) var. *obscurum* Voloshinova, in Voloshinova & Petrov, 1939)

E. articulatum (d'Orbigny, 1839)
= *Polystomella articulata* d'Orbigny, 1839
= *Cribronionion* cf. *alvarezianum* : Lutze, 1965
= *E. excavatum* : Auctt., non (Terquem, 1875)
Kieler Bucht, Wadden Sea, Engl. Channel, N Wales, Arcachon

E. crispum (Linnaeus, 1758)
= *Nautilus crispus* Linnaeus, 1758
= *Themeon rigatus* de Montfort, 1808 (TM of *Themeon* de Montfort, 1808)
= *Polystomella crispa* (Linnaeus, 1758)
Bergen, Iceland, Belgium, Shetlands, Orkneys, Engl. Channel, N Kent, Arcachon, Galicia - southwards

E. macellum (Fichtel & Moll, 1798)
= *Nautilus macellus* Fichtel & Moll, 1798
= *Nautilus strigillatus* var. α Fichtel & Moll, 1798 (TM of *Andromedes* de Montfort, 1808)
= *Nautilus strigillatus* var. β Fichtel & Moll, 1798 (TM of *Sporilus* de Montfort, 1808)
= *Elphidium crispum* (Linnaeus) subsp. *spinosum* Atkinson, 1969
* May be a synonyme of *E. crispum* (Linnaeus, 1758)
Engl. Channel, Wales, Oslofjord (post glacial), Barents Sea

E. margaritaceum Cushman, 1930
= *Elphidium advenum* (Cushman) var. *margaritaceum* Cushman, 1930

Oslofjord, German North Sea, Netherlands, Wales

E. advenum (Cushman, 1922)
= *Polystomella advena* Cushman, 1922
Engl. Channel

E. gerthi Van Vorsthuysen, 1957
Baltic entrance, Bristol Channel, S Cornwall

E. magellanicum Heron-Allen & Earland, 1932
German North Sea, Bristol Channel, Wales, Engl. Channel

E. cavillieri Lévy, 1966
Engl. Channel, Wales

E. exoticum Haynes, 1973
Wales

E. asterotuberculatum (Voorthuysen, 1958)
= *Nonion depressulus* (Walker & Jacob) var. *asterotuberculatum* Voorthuysen, 1958
= *Cribronionion asklundi* : Lutze, 1965, non (Broitzen, in Hesseland, 1946)
SW Baltic, Oslofjord, German North Sea, Netherlands, Wales

E. earlandi Cushman, 1936
Bristol Channel, S. Cornwall, SW Spain

E. incertum (Williamson, 1858)
= *Polystomella umbilicatulata* (Walker) var. *incerta* Williamson, 1858
= *E. incertum* : Cushman, 1948
= *E. voorthuyseni* Haake, 1962
= *E. varium* Buzas, 1965
= *Cribronionion incertum* : Auctt.
SW Baltic, Uddevalla, Oslofjord, along entire Norway, Barents Sea, Iceland, W Scotland, Wales, Engl. Channel

E. incertum (Williamson, 1858) subsp. *A* : Lutze, 1965
S & W Baltic

E. excavatum (Terquem, 1875)
= *Polystomella excavata* Terquem, 1875
?Engl. Channel

E. clavatum Cushman, 1930 *selseyense* (Heron-Allen & Earland, 1911)
= *Polystomella striatopunctata* (Fichtel & Moll) var. *selseyensis* Heron-Allen & Earland, 1911
= *Elphidium excavatum* (Terquem, 1875) forma *selseyense* : Feyling-Hanssen, 1972 (p.p. - non plate 5 fig. 1-4)
= *Elphidium selseyense* : Haake, 1962, : Haynes, 1973
German North Sea, Belgium, E & W Scotland, Engl. Channel, Wales, W Ireland

E. clavatum Cushman, 1930 *lidoense* Cushman, 1936
= *Elphidium lidoense* Cushman, 1936, : Haake, 1977
= *Elphidium excavatum* (Terquem, 1875) forma *lidoensis* : Feyling-Hansen, 1972
= *Elphidium clavatum* : Buzas, 1965 (p.p. - plate 2, fig. 6-7), : Buzas, 1966 (p.p. - plate 71, fig. 3-4), : Hansen, 1965, : Murray, 1969
= *Cribronionion excavatum* : Haake, 1967 (p.p. - plate 1, fig. 3, 6 & 8), non (Terquem, 1876)
Öresund, S North Sea, W France, Mediterranean

E. clavatum Cushman, 1930 *album* Feyling-Hansen, 1972
= *Elphidium excavatum* (Terquem, 1875) forma *alba* Feyling-Hansen, 1972
= *Elphidium incertum* : Cushman, 1930, : 1939, : 1944, non (Williamson, 1858)
S Baltic, all Norway, Iceland

E. clavatum Cushman, 1930 *clavatum* Cushman, 1930
= *Elphidium incertum* (Williamson) var. *clavatum* Cushman, 1930
= *Cribronionion excavatum* : Lutze, 1965, : Haake, 1967 (p.p. - plate 1, fig. 7, 10 & 11), non (Terquem, 1876)
= *Elphidium excavatum* : Knudsen, 1973, non (Terquem, 1876)
S Baltic (relict population), N Norway, Barents Sea, N, NW & W Greenland, Spitsbergen, Jan Mayen

E. clavatum Cushman, 1930 *lobatum* Wilkinson, 1979
= *Elphidium subclavatum* Gudina, 1966
= *Elphidium excavatum* (Terquem, 1875) forma *clavata* : Feyling-Hansen, 1972
= *Elphidium excavatum* (Terquem, 1875) forma *selseyense* : Feyling-Hansen, 1972 (p.p. - plate 5 fig. 1-4)
S Baltic, N Norway, W Greenland

E. clavatum Cushman, 1930 *nudum* Wilkinson, 1979
= *Elphidium clavatum* : Loeblich & Tappan, 1953 (p.p. - plate 19, fig. 9-10)
= *Elphidium clavatum* : Feyling-Hansen & al., 1971 (p.p. - plate 20, fig. 5-6)
Spitsbergen, Jan Mayen

E. clavatum Cushman, 1930 *terminatum* Wilkinson, 1979
= *Elphidium subclavatum* Gudina, 1964 (p.p. - plate 1, fig. 6-8)
= *Elphidium excavatum* (Terquem, 1875) forma *clavata* : Feyling-Hansen, 1972 (p.p. - plate 1, fig. 1-5 & plate 2, fig. 4-8)
= *Elphidium excavatum* : Hanssen & Lykke-Andersen, 1976
E Greenland, Davis Strait

E. clavatum Cushman, 1930 *subclavatum* Gudina, 1964
= *Elphidium subclavatum* Gudina, 1964 (p.p. - plate 1, fig. 4-5)
= *Elphidium clavatum* : Loeblich & Tappan, 1953 (p.p. - plate 9, fig. 8)
= *Elphidium clavatum* : Feyling-Hansen & al., 1971 (p.p. - plate 11, fig. 10-11)
Spitsbergen

E. subarcticum Cushman, 1944
= *Nonion paucilocium* Cushman, 1944
* *Nonion paucilocium* should have page priority over *E. subarcticum*
Oslofjord, Barents Sea, Spitsbergen, NE & W Greenland

E. waddensis Van Vorsthuysen, 1951
= *Elphidium gantieri* Cole var. *waddensis* Van Vorsthuysen, 1951
? = *Elphidium oceanensis* (d'Orbigny, 1826)
? = *Polystomella oceanensis* d'Orbigny, 1826
German North Sea, Wadden Sea, Belgium, Engl. Channel, Arcachon

E. williamsoni Haynes, 1973
= *Polystomella umbilicatulata* Williamson, 1858, non *Nautilus umbilicatulata* Walker & Jacob, 1798
= *Elphidium excavatum* : Auctt., non (Terquem, 1875)
= *Elphidium articulatum* : Auctt., non d'Orbigny, 1839
= *Cribronionion* cf. *alvarezianum* : Lutze, 1965, non (d'Orbigny, 1839)
Poland, SW Baltic, Oslofjord, German North Sea, Belgium, Engl. Channel, Wales, Ireland

E. bartletti Cushman, 1933
= *Nonionina striatopunctata* Parker & Jones, 1865, non *Nautilus striato-punctatus* Fichtel & Moll, 1798
= *Cribrorophidium arcticum* Tappan, 1951
Spitsbergen, NE, N & NW Greenland, ?Novaja Zemlja

E. frigidum Cushman, 1933
Iceland, Spitsbergen, NE, N & NW Greenland

E. orbiculare (Brady, 1881)
= *Nonionina orbicularis* Brady, 1881
= *Nonion orbiculare* : Cushman, 1930, : 1939, : 1948
Spitsbergen, Novaja Zemlja, NE, N & NW Greenland, Arctic Ocean, off W Scotland, Faeroe Channel

E. striatopunctata (Fichtel & Moll, 1798)
= *Nautilus striato-punctatus* Fichtel & Moll, 1798

* Correct genus?
Plymouth

E. subnodosum (Münster, *vide* Roemer, 1838)
= *Robulina subnodosa* Münster, *vide* Roemer, 1838
* Correct genus?
Plymouth

E. lessonii (d'Orbigny, 18??) : Gabel, 1971
North Sea

E. aculeatum (d'Orbigny, 18??) : Gabel, 1971
North Sea

E. goesi Shchedrina, 19??
Barents Sea

E. minutum Reuss, 18??
= *Cribronion minutum* (Reuss, 18??) : Gabel, 1971
* Correct genus?
North Sea

E. sibiricum (Goës, 1894)
= *Polystomella sibirica* Goës, 1894
* Correct genus?
off Novaja Zemlja

E. sp. : Murray, 1968
Engl. Channel

Nummulitacea de Blainville, 1827

Nummulitidae de Blainville, 1827

Heterostegina d'Orbigny, 1826 (™ *Heterostegina depressa* d'Orbigny, 1826)
= *Grzybowska* Bieda, 1950 (™ *Grzybowska multijuda* Bieda, 1950)

Foraminiferan genera of uncertain status:

Crateriola Strand, 1943 (™ *Craterella albescens* Dons, 1942)
= *Craterella* Dons, 1942, non Schrammen, 1901 (Spongiaria), nec Kofoid & Campbell, 1929 (Ciliophora)

Earlmyersia Rhumbler, 1938

E. punctulata (d'Orbigny) forma *litiputana* Rhumbler, 1938 (™)
Helgoland, Scotland, W Ireland

ACTINOPODEA Calkins, 1902

ACANTHAREA Haeckel, 1881

HOLACANTHIDA Shewiakoff, 1???

Acanthochiasmidae Haeckel

Acanthochiasma Krohn, in Haeckel, 1861

A. fusiforme Haeckel, 1861?
Skagerrak, North Sea, Mediterranean

A. rubescens (Krohn, 18??)
Mediterranean

A. krohni Haeckel, 1862
Skagerrak, Bergen

Acanthocyrtia Schewiakoff, 1926

A. haeckeli Schewiakoff, 1926?
? = *A. decacanthum* Popofsky, 1904
? = *A. bicuspidatum* Schewiakoff, 1926
Mediterranean

Acanthoplegmidae Schewiakoff

Acanthoplegma Schewiakoff, 1926?
* For this genus Rechetniak, 1981 created the new order Plegmacantha, a view confirmed by electron microscopical data on one of its species, but related genera should be investigated before acceptance of this new taxon

Acanthospira Reinsch, 1877

Acanthocolla Schewiakoff, 1926

SYMPHYACANTHIDA Schewiakoff

Astrolithiidae Haeckel, 18?? emend. Schewiakoff

Astrolithium Haeckel, 1861

A. bifidum Haeckel, 1862
= *Acanthometra astroides* Hertwig, 1879
= *Acanthometron bifidum* : Auclt.
N Atlantic S of 60° N.

Acantholithium Haeckel, 1887

Astrolonche Haeckel, 1881

Heliolithium Shewiakoff, 1926

Amphilitiidae Haeckel, 18?? emend. Schewiakoff

Amphilitium Haeckel, 1881

Amphibelone Haeckel, 1862

Pseudolithiidae Schewiakoff

Pseudolithium Shewiakoff, 1926

Dicranophora Shewiakoff, 1926, non Macquart, 1834 (Diptera)

Haliommatidae

Haliommatidium J. Müller, 1858

CHAUNACANTHIDA Schewiakoff

Conaconidae Schewiakoff

Conacon Schewiakoff, 1926

Gigartaconidae Schewiakoff

Gigartacon Schewiakoff, 1926
= *Sphaerocapsa* Haeckel, 1881

G. cruciata (Haeckel, 1887)
= *Sphaerocapsa cruciata* Haeckel, 1887
Faeroe Channel surface water

Heteracon Schewiakoff, 1926

Amphiacon Schewiakoff, 1926

Stauraconidae Schewiakoff

Stauracon Schewiakoff, 1926

ARTHACANTHIDA Schewiakoff

Radiosphaera Jørgensen, in Nordgaard & Jørgensen, 1905
* Correct order?

R. anacanthica Jørgensen, in Nordgaard & Jørgensen, 1905
Lofoten, Tromsø, Balstad, Skjerstadfjord, Foldenford

Zygacantha J. Müller, 1858
* Correct order?

Z. septentrionalis Popofsky, 1904
60.2° N 22.7° W at 800-1000 m.

Z. rotunda Popofsky, 1904
59.2-60.2° N 11.8-22.7° W

Acanthonia Haeckel, 1881
* Correct order?

A. tetracopa (J. Müller, 1858) Haeckel, 1881?
= *Acanthometra tetracopa* J. Müller, 1858
Bergen, 76-80° N 10-12° E, Mediterranean

A. muelleri Haeckel, 1862
= *Litholophus decapristis* Haeckel, 1887
* Is this possibly *Acanthometron muelleri* Hckl : Ostenfeld, 1916 from Skagerrak and is this a synonym of *Lithoptera muelleri* Haeckel (see below)?
North Sea, Orkneys, Bear Island, Mediterranean

A. ligurina (Haeckel, 1865)
= *Litholophus ligurinus* Haeckel, 1865
= *Litholophus arcticus* Aurivillius, 1899
Stadt, Iceland, Spitsbergen, W Greenland

A. nordgaardi (Jørgensen, 1899)
= *Acanthostaurus nordgaardi* Jørgensen, 1899
W Norway

A. pusilla Jørgensen, 1899
Bergen

Acanthonidium Haeckel, 1887
* Correct order?

A. echinoides (Claparède & Lachmann, 1858)
Acanthometra echinoides Claparède & Lachmann, 1858
= *Acanthonia echinoides* : Jørgensen, 1899
= *Zygacanthidium echinoide* : Ostenfeld, 1916
Kattegatt, Skagerrak, North Sea, Bergen, Bodø, Tromsø, Finnmark, Faeroe Channel

A. pallidum (Claparède & Lachmann, 1858)
= *Acanthometra pallida* Claparède & Lachmann, 1858
= *Zygacanthidium pallidum* : Ostenfeld, 1916
= *Acanthostaurus pallidus* (Claparède & Lachmann, 1858) Haeckel, 1862
Skagerrak, North Sea, Bergen, Bodø, E Scotland, Faeroe Channel

A. pallidum var. *subulatum* (Jørgensen, 1899)
= *Acanthostaurus pallidus* (Claparède & Lachmann, 1858-59) Haeckel, 1862 var. *subulata* Jørgensen, 1899
Bergen

A. cuspidatum (Haeckel, 1862)
= *Acanthometra cuspidata* Haeckel, 1862
50-57° N 10-34° W

A. tetrapterum (Haeckel, 1860)
= *Acanthometra tetraptera* Haeckel, 1860
= *Acanthometra messanensis* Haeckel, 1860
24° S - 40 (56)° N

Astrocapsa Haeckel, 1887
* Correct order?

A. tritonis Haeckel, 1887
Faeroe Channel surface water

A. coronata Haeckel, 1887
Faeroe Channel surface water down to 200 fathoms

Porocapsa Haeckel, 1887
* Correct order?

P. murrayana Haeckel, 1887
Faeroe Channel surface water down to 640 fathoms

P. octodon Haeckel, 1887
Greenland

Cannocapsa Haeckel, 1887
* Correct order?

C. osculata Haeckel, 1887
Faeroe Channel surface water

SPHAENACANTHINA Schewiakoff

Acanthometridae Haeckel, 18?? emend. Schewiakoff

Acanthometra J. Müller, 1855
= *Acanthometron* Haeckel, 1887

A. pellucida J. Müller, 1858
= *A. elastica* Haeckel, 1862
Kattegatt, Bohusl., Skagerrak, Bergen, Stadt, Murmansk, Faeroes, Orkneys, Scotland, Mediterranean

Amphilonche Haeckel, 1860

A. belonoides (Haeckel, 1860)
= *Acanthometra belonoides* Haeckel, 1860
= *Amphilonche concreta* Haeckel, 1887
= *Amphilonche aciculata* Haeckel, 1887
49-56° N 20-48° W

A. elongata (J. Müller, 1858)
= *Acanthometra elongata* J. Müller, 1858
= *Amphilonche acifer* Haeckel, 1887
= *Acanthometra amphipolaris* Haeckel, 1887
54-56° N 31-45° W

A. mira var. 1 : Popofsky, 1904
59.2-60.2° N 11.8-22.7° W

Tetralonche Schewiakoff, 1926

Lithopteridae Haeckel, 1877 emend. Popofsky

Lithoptera J. Müller, 1858

L. muelleri Haeckel, 1877

Dorataspidae Haeckel, 1877 emend. Schewiakoff

Dorataspis Haeckel, 1861

D. prototypus (Haeckel, 1887)
= *Phractaspis prototypus* Haeckel, 1887
= *Lithophyllum condylatum* Haeckel, 1887
Mediterranean

D. bipennis Haeckel, 1862
Mediterranean

D. heteropora Bernstein, 1977
Barents Sea

Lychnaspis Haeckel, 1881

L. giltschii Haeckel, 1887
= *Dodecaspis tricinata* Haeckel, 1887
41° N 58° W

Icosaspis Haeckel, 1881

I. tabulata Haeckel, 1887
= *Xiphacantha emarginata* Haeckel, 1887
= *Stauracantha orthostaura* Haeckel, 1887
= *Phamacantha icosaspis* Haeckel, 1887
= *Tignisphaera tabulata* : Popofsky, 1906
56° N 10° W

Pleuraspis Haeckel, 1881

Stauraspis Haeckel, 1881

Hystriaspis Haeckel, 1887

Dictyaspis Haeckel, 1887

Siphonaspis Haeckel

Coscinaspis Haeckel

Cranaspis Haeckel

Aconthaspis Haeckel

Hexalaspidae Haeckel

Coleaspis Haeckel, 1881

C. obscura Haeckel, 1887
Greenland, Arctic Ocean

Hexalaspis Haeckel, 1885

H. heliodiscus Haeckel, 1887
= *H. heliosestrum* Haeckel, 1887
= *H. hexapleura* Haeckel, 1887
39° N 21° W

Hexaconus Haeckel, 1885

Diploconidae Haeckel

Diploconus Haeckel, 1860

Phractopeltidae Haeckel

Phractopelta Haeckel, 1881
= *Phractopelta* Haeckel, 1887

Nivalidae

PHYLLACANTHINA Schewiakoff

Phyllostauridae Schewiakoff

Phyllostaurus Haeckel, 1862

P. quadrifolius (Haeckel, 1862)
= *Acanthometra quadrifolia* Haeckel, 1862
Skagerrak, North Sea, Spitsbergen, Mediterranean

P. heterobelus (Jørgensen, 1899)
= *Acanthonia* (?) *heterobelus* Jørgensen, 1899
W Norway

Amphistaurus Schewiakoff, 1926

Acanthostaurus Haeckel, 1862

Lonchostaurus Haeckel, 1862

Zygostaurus Haeckel, 1887

Stauracanthidae Haeckel

Xiphacantha Haeckel, 1861

X. quadridentata (J. Müller, 1858) Haeckel, 1862
= *Acanthometra quadridentata* J. Müller, 1858
Bergen (Puddefjord)

Pristacantha Haeckel, 1887

Stauracantha Haeckel, 1881

Phatnacantha Haeckel, 1881

Dictyacanthidae Schewiakoff

Dictyacantha Schewiakoff, 1926

POLYCYSTINEA Ehrenberg, 1838 emend. Riedel, 1967

SPUMELLARIDA Ehrenberg, 1858

Rhopalodictyum Ehrenberg, 1860

R. subacutum Ehrenberg, 1861
Faeroe Channel, Greenland

Spongodiscidae

Spongodiscus Ehrenberg, 1854

S. fавus Ehrenberg, 1861
Gaukvarø, Røst, Faeroe Channel, Greenland

S. resurgens Ehrenberg, 1854
54° N 22° W

Spongotrochus Haeckel, 1860

S. glacialis (Popofsky, 1908)
Bergen, off E Greenland

Theoperidae Haeckel, 1881, emend. Riedel, 1967

Dictyophimus Ehrenberg, 1847, emend. Nigrini, 1968

D. multispinus Bernstein, 1977
Barents Sea

SPHAEROCOLLINA

Orosphaeridae Haeckel, 1887

Orosцена Haeckel, 1887

O. regalis Borgert, 1901
60.3° N 27° W

Thalassosphaeridae Haeckel

Bathysphaeridae Hollande & Enjume

Sphaeroidae Haeckel = Sphaerozoidae
* Temporary family.

Collozoum Haeckel, 1862

C. ellipsoides Haeckel, 1887
Faeroes, between Faeroes & Shetlands, Faeroe Channel

C. brandti Wolfenden, 1902
Orkneys

C. groenlandicum Pouchet, 1893
between Greenland, Iceland & Norway, Barents Sea

C. inerme ?, 1977
* 2 species of parasitical dinoflagellates are known from this species: *Merodinium brandti* Hovasse, 1923 (intracapsulaire) & *Merodinium vernale* Hovasse, 1923 (extracapsulaire).
boreal Atlantic, arctic Atlantic

C. sp. : Wolfenden, 1902
Shetlands, Faeroe Channel

Sphaerozoum Meyen, 1834

S. hexactinium Haeckel, 1887
Faeroe Channel

S. punctatum ?, 1977
* sometimes with cytoplasm parasite *Merodinium dolosum* Chatton, 1923
boreal Atlantic

Raphidozoum Haeckel, 1862

Belonozoum Haeckel, 1887

Collosphaeridae J. Müller, 1858
* Temporary family.

Collosphaerinae J. Müller, 1858

Collosphaera J. Müller, 1858

C. huxleyi J. Müller, 1877
boreal Atlantic, SW Ireland

Acrosphaerinae

Acrosphaera Haeckel, 1881

A. murrayana (Haeckel, 1887)
= *Choenicosphaera murrayana* Haeckel, 1887
W Norwegian fjords, North Sea, Shetlands, Faeroes, Orkneys, off W Ireland

A. spinosa (Haeckel, 1862)
= *Collosphaera spinosa* Haeckel, 1862
= *Choenicosphaera nassiterana* Haeckel, 1887
= *Choenicosphaera flammabunda* Haeckel, 1887
boreal Atlantic, ?Shetlands, Mediterranean

Tribonosphaera Haeckel, 1881

Siphonosphaerinae

Siphonosphaera J. Müller, 1858

- Solenosphaera* Haeckel,1887
- Buccinosphaera* Haeckel,1887
- Exooxoplastidiata Cachon & Cachon
- Thalassicollidae Haeckel
- Thalassicolla* Huxley,1851
- T. nucleata* Huxley,18??
Shetlands, Faeroe Channel, SW Ireland, Sargasso Sea
- T. borealis* Ludwig,1908
Irminger Sea
- T. irmingiana* Ludwig,1908
Irminger Sea
- T. gelatinosa* Brandt,1905
NE North Sea, Mediterranean
- T. porosa* Ludwig,1908
Egersund
- Thalassisolena* Wolfenden,1902
- T. atlanticus* Wolfenden,1902
Shetlands, Faeroe Channel
- Actissa* Haeckel,1884
- A. septentrionalis* Ludwig,1908
off S Iceland
- Thalassoplaneta* Haeckel,1862
- T. longispicula* Haeckel,1887
Faeroe Channel
- Thalassoxanthium* Haeckel,1881
- T. ovodimare* Haeckel,1887
off W Hebrides
- Lampoxanthium* Haeckel,1887
- L. murrayanum* Fowler,1898
Faeroe Channel
- Thalassophysidae Brandt
- Thalassophysa* Haeckel,1881
- T. pelagica* (Haeckel,1862)
= *Thalassicolla pelagica* Haeckel,1862
Shetlands, Faeroe Channel, Mediterranean
- Polvevtaria
- Exocryptooxoplastidiata Cachon & Cachon
- Physematidae Brandt
- Centrooxoplastidiata Cachon & Cachon
- Centrocollidae Cachon & Cachon
- SPHAERELLARINA
- Sphaerostylus* Haeckel,1881, non Chaudoir,1848 (Coleoptera)
* Should be transposed to another genus. Which family?
- S. cottus* Haeckel,1887
Faeroe Channel
- Prunulum* Haeckel,1887
* Which family?
- P. triplex* (Ehrenberg,1854)
= *Haliomma triplex* Ehrenberg,1854
deep N Atlantic
- Prunocarpus* Haeckel,1887
* Which family?
- P. datura* Haeckel,1887
Faeroe Channel
- Trochodiscus* Haeckel,1887
* Which family?
- T. echiniscus* Haeckel,1887
Faeroe Channel
- T. helioides* Cleve,1899
off W Spitsbergen
- Cryptooxoplastidiata Hollande & Enjumet
- Macrosphaeridae
- Haplosphaera* Hollande & Enjumet,1960
- Acanthosphaera* Ehrenberg,1858
- A. arctica* Haeckel,1887
Greenland
- A. haliphormis* Ehrenberg,1861
Deep Greenlandic waters
- A. teneriformis* Jørgensen,1900
deep W Norwegian waters
- Cladococcus* J. Müller,1856
- C. viminalis* Haeckel,1856
Bergen, W Norwegian fjords, Mediterranean
- C. spinifer* Haeckel,1862
- deep W Norwegian waters, Mediterranean
- Elaophococcus* Haeckel,1881
- E. dichotomus* Haeckel,1887
Greenland
- E. drymodes* Haeckel,1887
Iceland
- Diplosphaera* Haeckel,1860
- D. reticulata* Haeckel,1887
Faeroe Channel
- Haeckeliella* Hollande & Enjumet,1960
- Thalassoplegma* Hollande & Enjumet,1960
- Rhizoplegma* Haeckel,1881
- R. boreale* (Cleve,1899) Jørgensen,1???
= *Hexadoras borealis* Cleve,1899
deep Skagerrak, Bergen, Tysfjord, Skroven, Helligvær, Vestfjord, Stamsund, Henningsvær, Gaukvær, Tromsø, Malangen, Tranøybet, Ofoten, Rombaken, Øxsund, Sægford, Lofoten, Røst, Svolver, Skjerstadfjord, Foldenfjord, Saltenfjord
- Lychnosphaera* Haeckel,1881
- Heliosphaera* Haeckel,1861
* Correct family?
- H. minuta* Cleve,1900
between Faeroes & Rockall
- H. tenera* Jørgensen,1900
Bergen
- H. actinota* Haeckel,1862
deep Arctic Ocean, Mediterranean, Azores, Canaries
- Drymomyma* Jørgensen,1900
* Correct family?
- D. elegans* Jørgensen,1900
= *Drymosphaera elegans* : Björklund,1974
Bergen, Tysfjord, Vestfjord, Gaukvær, Tromsø, Skroven, W Norwegian fjords
- Elatomma* Haeckel,1887
* Correct family?
- E. penicillus* Haeckel,1887
Bergen
- E. irregulare* Haeckel,1887
Faeroe Channel
- Leptosphaera* Haeckel,1887
* Correct family?
- L. arachnoides* Jørgensen,1900
Bergen
- Arachnosphaera* Haeckel,1860
* Correct family
- A. dichotoma* Jørgensen,1900
= *Haliomma spinulosum* var. Cleve,1900
W Norway
- Centroclubidae Hollande & Enjumet,19??
- Centroclubus* Haeckel,1887
- C. mediterraneensis* Hollande & Enjumet,1960
Mediterranean
- Octodendron* Haeckel,1887
- Centrooxoplastidiata Hollande & Enjumet
- ?Family?
- Ethmosphaera* Haeckel,1861
- E. leptosiphonia* Haeckel,1887
Faeroe Channel
- Carposphaera* Haeckel,1881
- C. belladonna* Haeckel,1887
Faeroe Channel
- Spongosphaeridae Haeckel,18
- Spongosphaerinae Haeckel,18
- Spongosphaera* Ehrenberg,1847
- Spongodendron* Lendenfeld,1887
- Hexadoras* Haeckel,1881
- Plegmosphaerinae Hollande & Enjumet
- Plegmosphaera* Haeckel,1881
- P. coelopila* Haeckel,1887
Faeroe Channel
- Spongoplegma* Haeckel,1881
- Spongodyryminae Hollande & Enjumet
- Diplospongia* Mast,1910
- Spongodyrymus* Haeckel,1881
- Rhizosphaeridae Hollande & Enjumet
- Rhizosphaera* Haeckel,1860
- Actinosphaera* Hollande & Enjumet,1960

= *Haliomma* Ehrenberg,1839 (p.p.)

A. ? boreale (Haeckel,1887)
= *Haliomma boreale* Haeckel,1887
Greenland

A. ? echinosphaera (Cleve,1900)
= *Haliomma echinosphaera* Cleve,1900
45° N 49° W

A. ? beroes (Ehrenberg,1854)
Haliomma beroes Ehrenberg,1854
54°N 22° W

A. ? irregulare (Cleve,1900)
= *Haliomma irregulare* Cleve,1900
45° N 49° W

Thecosphaeridae Hollande & Enjumet,19??

Hexacantium Haeckel,1882

H. enthacanthum Jørgensen,1900
deep Skagerak, Bergen, Tysfjord, Tromsø, Skroven, Henningsvær, Røst, Tranøydybet, Foldenfjord, off N Shetlands, off N Faeroes

H. pachydermum Jørgensen,1900
deep Skagerak, Bergen, Tysfjord, Helligvær, Moskenstrømmen, Stamsund, Tromsø, Skroven, Ofoten, Øxsund, Henningsvær, Svolver, Tranøydybet, Foldenfjord, off N Shetlands, off N Faeroes

H. hostile Cleve,1900
Bergen, W Norwegian fjords, off S Iceland

H. macracanthum Jørgensen,1900
Bergen

H. setosum Haeckel,1887
off S Iceland, Mediterranean

H. armatum Cleve,1900
off S Iceland

H. sp. C : Björklund,1974
? = *H.* sp. : Swanberg & Björklund,1987
Bergen, ?W Norwegian fjords

Actinomma Haeckel,1862
= *Echinomma* Haeckel,1881
= *Phyomma* Haeckel,1881

A. trinacrium Haeckel,1862
= *Echinomma trinacrium* : Aucutt
Bergen, Tysfjord, Vestfjord, Skroven, Helligvær, Gaukværø, Tromsø, Ofoten, Sagfjord, Henningsvær, W Norwegian fjords, Mediterranean

A. leptodermum (Jørgensen,1900)
= *Echinomma leptodermum* Jørgensen,1900
deep Skagerak, Bergen, Tysfjord, Skroven, Helligvær, Gaukværø, Tromsø, Malangen, Vestfjord, Rombaken, Ofoten, Tranøydybet, Henningsvær, Lofoten, Øxsund, Røst, Skjerstadfjord, Foldenfjord, Saltenfjord, Barents Sea

A. mediterraneensis Hollande & Enjumet,1960
Mediterranean

A. sp. A : Swanberg & Björklund,1987
W Norwegian fjords

A. sp. B : Swanberg & Björklund,1987
W Norwegian fjords

A. sol Cleve,1900
45°N 49°W

Cromyechinus Haeckel,1881
= *Chromyechinus* Jørgensen, in Nordgaard & Jørgensen,1905

C. borealis (Cleve,1899)
= *Actinomma boreale* Cleve,1899
= *Chromyomma borealis* : Jørgensen,1900
= *Chromyechinus borealis* : Björklund,1974
deep Skagerak, Bergen, Røst, Tysfjord, Vestfjord, Gaukværø, Tromsø, Malangen, Skroven, Ofoten, Tranøydybet, Øxsund, Spitsbergen, W Norwegian fjords

Thecosphaera Haeckel,1881

T. sp. A : Björklund,1974
Bergen

Cromyomma Haeckel,1862
* Correct family?

C. zonaster (Ehrenberg,1872)
= *Acanthosphaera zonaster* Ehrenberg,1872
Greenland

Hexalonche Haeckel,1881
* Correct family?

H. philosophica Haeckel,1887
Faeroe Channel, Iceland

H. diplacantha Jørgensen,1900
Bergen

Periaxoplastidiata Hollande & Enjumet

Cenosphaera Ehrenberg,1854
? Which family?

C. favosa Haeckel,1887
Faeroe Channel

Heliaster Hollande & Enjumet,1960
* Fam. Heliasteridae (which superfamily?)

Tetrapetalon Hollande & Enjumet,1960
* Fam. Heliasteridae (which superfamily?)

Arachnostylus Hollande & Enjumet,1960
* Fam. Heliasteridae (which superfamily?)

Cyrtidosphaeridae Cachon & Cachon

Cyrtidosphaera Haeckel,1860, emend. Cachon & Cachon,19??

Stigmosphaeridae Hollande & Enjumet

Stigmosphaera Haeckel,1887

Stigmosphaerusa Hollande & Enjumet,1960

Hexastylus Haeckel,1882

H. sp. B : Björklund,1974
Bergen

Stigmostylus Hollande & Enjumet,1960

Excentroconchidae Hollande & Enjumet

Excentroconcha Mast,1910

Hollandosphaeridae Deflandre

Heliosoma Haeckel,1881

Hollandosphaera Deflandre,19??

Prunoidea Haeckel
* with 7 families & 50 genera

Ellipsoidae

Cenellipsis Haeckel,1887

Sponguridae

Spongoliva Haeckel,1887

Panartidae

Panartus Haeckel,1887

Discoidea Haeckel
* with 6 families & 100 genera

Phacodiscidae

Astrophacus Haeckel,1881

A. saturnus (Ehrenberg,1861)
= *Chilomma saturnus* Ehrenberg,1861
?Greenland

Astrostrum Haeckel,1881

A. acanthastrum Haeckel,1887
Faeroe Channel

Sethodiscus Haeckel,1881

S. macroporus Haeckel,1887
Faeroe Channel

Porodiscidae

Euchitonia Ehrenberg,1861

E. sp. 1 : Björklund,1974
Bergen

E. sp. 2 : Björklund,1974
Bergen

Stylodictya Ehrenberg,1847, emend. Koslova,1972 (TM *Stylodictya gracilis* Ehrenberg,1854)

S. tenuispina Jørgensen,1905
Gaukværø, Røst, W Norwegian fjords

S. aculeata Jørgensen,1905
Røst

S. validispina Jørgensen,1905
Røst, W Norwegian fjords, off E Greenland

S. aspera Jørgensen,1900
Bergen

S. sp. : Björklund,1974
Bergen

Hagiastrum Haeckel,1881

H. cristi Haeckel,1887
Faeroe Channel

Rhopalastrum Ehrenberg,1847

R. arcticum Haeckel,1887
Arctic Ocean

Amphicraspedum Haeckel,1881

A. murrayanum (Haeckel,1879)
= *Amphymentium murrayanum* Haeckel,1879
Faeroe Channel

Pylodiscidae

Triolena Haeckel,1887

Larcoidea Haeckel
* with 9 families & 50 genera

Larcaridae

Spongolarcus Haeckel,1887

S. amphi-centria Haeckel,1887
= *Amphi-centria salpa* Ehrenberg,1861
= *Spongurus salpa* : Haeckel,1862
Greenland

Pylonidae Haeckel,18??

Phorticium Haeckel,1882
* Correct family?

P. clevei (Jørgensen,1900)
= *Tetrapylionium clevei* Jørgensen,1900
= *Phorticium pylonium* : Cleve,1899, non Haeckel,1887
deep Skagerak, Bergen, Tysfjord, Skroven, Vestfjord, Henningsvær, Tromsø, Ofoten, Øxsund, Lofoten, Røst, Skjerstadfjord, Spitsbergen

Octopyle Haeckel,1881

O. octostyle Haeckel,1887 form *minor* Jørgensen,1900
W Norway

Monozonium Haeckel,1887

Tetrapyle J. Müller,1858

T. polyacantha Jørgensen,1900
W Norway

T. quadriloba (Ehrenberg,1860)
= *Schizomma quadrilobum* Ehrenberg,1860
Greenland

Litheliidae

Spireuma Haeckel,1881
= *Spirema* Haeckel,1887

S. haliomma (Ehrenberg,1861)
= *Flustrella haliomma* Ehrenberg,1861
= *Spirema flustrella* Haeckel,1887
Bergen, Faeroe Channel, Greenland

Lithelius Haeckel,1860

L. spiralis Haeckel,1860
Bergen, Tromsø, W Norwegian fjords, Mediterranean

L. arborecens Haeckel,1887
W Norwegian fjords, Faeroe Channel

L. sp. : Björklund,1974
Bergen

Larcospira Haeckel,1887

L. minor (Jørgensen,1900)
= *Lithelius minor* Jørgensen,1900
Bergen, Tysfjord, Vestfjord, Gaukværø, Tromsø, Skroven, Tranødybet, Sagfjord, Henningsvær, Lofoten, Røst, Foldenfjord

Strebloniidae Haeckel,1887

Streblomye Haeckel,1887

Streblacantha Haeckel,1887

S. circumtexta Jørgensen,1905
= *Sorolarcus circumtextus* Jørgensen,1900 (p.p.?)
Bergen, W Norwegian fjords

Soreumidae

Sorolarcus Haeckel,1887

S. circumtextus Jørgensen,1900
* Is this species and *Streblacantha circumtexta* Jørgensen,1905 not identical?
Tysfjord, Skroven, Vestfjord, Henningsvær, Gaukværø

NASSELLARIDA Ehrenberg,1875 emend Haeckel, emend. Petrushevskaya,1971

Gonosphaera Jørgensen,1905

G. primordialis Jørgensen,1905
Bergen, W Norwegian fjords

Lampromitra Haeckel,1882

L. erosa? Cleve,1901
Bergen

Ceratocyrtis Bütschli,1881

C. galeus (Cleve,1899)
= *Seihoconus galea* Cleve,1899
W Norwegian fjords, between Spitsbergen & Greenland

C. histicosus (Jørgensen,1905)
= *Dictyophimus histicosus* Jørgensen,1905
Bergen, W Norwegian fjords

Pseudodictyophimus ?,19??

P. gracilipes (Bailey,1856)
= *Dictyophimus gracilipes* Cleve,1899
= *Dictyophimus clevei* Jørgensen,1900
Bergen, W Norwegian fjords, Barents Sea, Spitsbergen, off E Greenland

Sethopera Haeckel,1881

S. oceania (Ehrenberg,1872)
= *Lithopera oceania* Ehrenberg,1872
North Atlantic north of 50°N, Azores

Dictyocephalus Ehrenberg,1860

D. papillosus? Ehrenberg,1860
Bergen

D. reticulum (Ehrenberg,1861)
= *Eucyrtidium reticulum* Ehrenberg,1861
Iceland, Greenland

D. ocellatus (Ehrenberg,1861)
= ?*Eucyrtidium ocellatum* Ehrenberg,1861
Faeroe Channel, Greenland

D. sp. : Cleve,1899
Deep Arctic Ocean

Dictyoceras Haeckel,1862

D. acanthicum Jørgensen,1900

North Sea, Bergen, W Norwegian fjords

D. xipheporum Jørgensen,1900
W Norway

Pterocodon Ehrenberg,1847

P. amblycephalus (Jørgensen,1900)
= *Pterocorys amblycephalis* Jørgensen,1900
Bergen

Clathrocyclas Haeckel,1881

C. danaes Haeckel,1887
56°N 30°W, Azores

C. coscinodiscus Haeckel,1887
53-56°N 36-50°W

Artobotrys ?,19??

A. borealis (Cleve,1899)
= *Theocoris borealis* Cleve,1899
= *Theocyrtis borealis* : Björklund,1974
Bergen, W Norwegian fjords, Spitsbergen, off E Greenland

Mitrocalpis Haeckel,1881

M. aranaefera (Popofsky,19??)
W Norwegian fjords

Theocalypra Haeckel,1881

T. cornuta (Bailey,1856)
= *Halicalypra cornuta* Bailey,1856
= *Lophophaena calypra* : Haeckel,1862
= *Carpocanium cornutum* : Ehrenberg,1872
N Atlantic north of 41°N, Greenland, off W Spitsbergen

Theoconus Haeckel,1887

T. sp. : Cleve,1900
off Stadt

Theocyrtis Haeckel,1887

T. aculeata Cleve,1900
56°N 17°W, 48°N 29°W

PLECTELLARINA Haeckel = APOAXOPLASTIDIATA

Plectoidea Haeckel

Plagon(id)iidae Haeckel,1882, emend. Cachon & Cachon,19??

Phormacantha Jørgensen,1905

P. hystrix (Jørgensen,1905)
= *Peridium hystrix* Jørgensen,1900
Bergen, W Norwegian fjords

P. sp. D : Björklund,1974
?= *Phormacantha*? sp. : Swanberg & Björklund,1987
Bergen, ?W Norwegian fjords

Helotholus Jørgensen,1905

H. histicosa Jørgensen,1905
Bergen

Acanthocorys Haeckel,1882

A. umbellifera (Haeckel,1862)
= *Arachnocorys umbellifera* Haeckel,1862
Bergen, W Norwegian fjords, N Norway, N Ice Sea, Azores, Mediterranean

Peridium Haeckel,1882

P. longispinum Jørgensen,1900
Bergen, W Norwegian fjords, Lofoten

P. minutum Cleve,1899
N Norway

P. sp. : Swanberg & Björklund,1987
W Norwegian fjords

P. sp. : Meunier,1910
Arctic Ocean, Kara Sea

P. sp. ? Phormacantha sp. ? : Meunier,1910
Arctic Ocean, Kara Sea

Plagonidium Haeckel,1881

Tetraplaga Haeckel,1881

Plagiocarpa Haeckel,1881

P. procyrtellaria Haeckel,1887
Iceland

Pentaplagia ?,1???

Triplagiacantha Schröder,1911

T. abietina (Hertwig,1879)
= *Plagiacantha abietina* Hertwig,1879
Mediterranean, 50-53°N 44-50°W

Plagiacantha J. Müller,1856

P. arachnoides (Claparède,1855)
= *Acanthometra arachnoides* Claparède,1855 (™)
= *Plectophora arachnoides* : Auctt.
* unlike most "Radiolaria" but like Acantharia this species lives close to the water surface
N Kattegatt, Skagerak, North Sea, Bergen, W Norwegian fjords, Murmansk, White Sea, Spitsbergen, Iceland, between Faeroes & Shetlands, N Scotland

P.(?) intricata (Cleve,1899)
= *Peridium (?) intricatum* Cleve,1899
* Possibly a synonym of *Plectacantha oikiskos* Jørgensen,1905
between Spitsbergen & Greenland

- P. (?) laxa* (Cleve, 1899)
= *Peridium (?) laxum* Cleve, 1899
* Possibly a synonym of *Plectacantha oikiskos* Jørgensen, 1905
Tromsø
- Campylacantha* Jørgensen, 1905
- C. cladophora* Jørgensen, 1905
Bergen, W Norwegian fjords, Osterfjord
- Polyplagia* Haeckel, 1881
- P. novenaria* Haeckel, 1887
Faeroe Channel
- Plectophora* Haeckel, 1882
- P. tricantha* (Popofsky, 1908)
Bergen, W Norwegian fjords
- P. novena* Haeckel, 1887
Faeroe Channel
- Plectacantha* Jørgensen, 1905
- P. oikiskos* Jørgensen, 1905
Skagerrak, Bergen, W Norwegian fjords
- P. trichoides* Jørgensen, 1905
Bergen, W Norwegian fjords
- Protoscenium* Jørgensen, 1905
- P. simplex* (Cleve, 1899)
= *Plectanium simplex* Cleve, 1899
Bergen, Gaukvaerø, off N Shetlands
- Acanthocyrtium* Haeckel, 18??
?= *Acanthocyrus* Haeckel, 1881
* Correct family?
- A. anthemis* Haeckel, 1887
off Ålesund
- Stephoidea Haeckel
- Stephanidae Haeckel
- Semantididae Haeckel, 1887
- Semantis* Haeckel, 1887
- S. distephanus* Haeckel, 1887
Bergen, 56°N 23°W
- S. micropora*? Popofsky, 1908
Bergen
- Dietyocircus* Jørgensen, 1905
- D. clathratus* Jørgensen, 1905
Bergen, W Norwegian fjords, Henningsvær
- Coronidae Haeckel
- Tympanidae Haeckel
- Spvroidea Haeckel,
- Zygospvridae Haeckel
- Ceratospyrus* Ehrenberg, 1847
- C. hyperborea* Jørgensen, 1905
Bergen, W Norwegian fjords
- Tholospyridae Haeckel
- Phormospvridae Haeckel
- Androspvridae Haeckel
- CYRTELLARINA = CYRTINA = PROAXOPLASTIDIATA Cachon & Cachon
- Cyrtoidea Haeckel, 1862, emend. Petrushevskaja, 1971
- ?Family?
- Cornutella* Ehrenberg, 1838
- C. profunda* Ehrenberg, 1854
Bergen, W Norwegian fjords, Mediterranean, off E Greenland
- C. annulata* Ehrenberg, 1861
Greenland
- Monocyrtoidae Haeckel
- Euscenium* Haeckel, 1887
- E. corynephorum* Jørgensen, 1900
W Norwegian fjords
- Cladoscenium* Haeckel, 1882
- C. tricolpium* (Haeckel, 1881)
= *Archiscenium tricolpium* Haeckel, 1881
= *Euscenium tricolpium* : Auctt.
Bergen, W Norwegian fjords, Lofoten, Finnmark, Spitsbergen, between Norway & Shetlands
- C. limbatum* Jørgensen, 1905
Bergen, Gaukvaerø
- C. sp.* : Björklund, 1974
Bergen
- Pteroscenium* Haeckel, 1881
- P. arcuatum* Haeckel, 1887
off Biscay
- Dicyrtoidae Haeckel
- Litharachnium* Haeckel, 1860
- L. tentorium* Haeckel, 1862
Bergen, between Norway & Iceland, Mediterranean
- L. arachnodiscus* (Ehrenberg, 1861)
= *Carpoanum arachnodiscus* Ehrenberg, 1861
between Iceland & Greenland
- Sethopilium* Haeckel, 1881
- S. meunieri* Schröder, 1911
Arctic Ocean, Kara Sea
- Lithomelissa* Ehrenberg, 1847
- L. setosa* Jørgensen, 1900
Belt Sea, Kattegatt, Skagerrak, Bergen, W Norwegian fjords
- L. laticeps* Jørgensen, 1905
Bergen, between Shetlands & Faeroes
- L. bicornis* Ehrenberg, 1861
Bergen, Davis Strait
- L. thoracites* Haeckel, 1862
Bergen, W Norwegian fjords, Mediterranean
- L. hystrix* Jørgensen, 1900
Bergen, W Norwegian fjords
- L. sp.* : Swanberg & Björklund, 1987
W Norwegian fjords
- Tricyrtoidae Haeckel
- Theopilium* Haeckel, 1881
- T. tricostatum* Haeckel, 1887
56°N 10-30°W
- Corocalypra* Haeckel, 1887
- C. craspedota* (Jørgensen, 1900)
= *Theocalypra craspedota* Jørgensen, 1900
North Sea, Bergen, W Norwegian fjords, Lofoten
- C. elisabethae* Haeckel, 1887
56°N 23°W
- Pterocoryidae Haeckel, 1881, emend. Riedel, 1967
- Pterocorys* Haeckel, 1881
- P. irregularis* Cleve, 1899
Spitsbergen, off Ålesund, 56°N 23°W
- Androcyclus* Jørgensen, in Nordgaard & Jørgensen, 1905
- A. gamphonycha* (Jørgensen, 1900)
= *Pterocorys gamphonychos* Jørgensen, 1900
?= *Pterocorys theoconus* Jørgensen, 1900
Bergen, W Norwegian fjords
- Lamprocyclus* Haeckel, 1881
- L. aegles* (Ehrenberg, 1854)
= *Podocyrus aegles* Ehrenberg, 1854
off Stadt
- Stichocyrtoidae Haeckel
- Stichocorys* Haeckel, 1882
- S. seriata* (Jørgensen, in Gran, 1902)
= *Eucyrtidium seriatum* Jørgensen, in Gran, 1902
North Sea, Bergen, W Norwegian fjords
- Eucyrtidium* Ehrenberg, 1847
- E. sp.* : Björklund, 1974
Bergen, W Norwegian fjords
- Cycladophora* Ehrenberg, 1847
* Correct family?
- C. davisiana* Ehrenberg, 1872
= *Pterocodon davisianus* ? : Ehrenberg, 1872
= *Eucyrtidium davisianum* : Haeckel, 1862
= *Pterocanium davisianum* : Haeckel, 1862
= *Stichopilium davisianum* : Auctt.
W Norwegian fjords, Spitsbergen, off E Greenland
- C. tabulata* Ehrenberg, 1872
= *Sethoconus tabulatus* : Auctt.
?Arctic Ocean
- Lithostrobos* Haeckel, 1887
* Correct family?
- L. cuspidatus* (Ehrenberg, 1872)
= *Eucyrtidium cuspidatum* Ehrenberg, 1872
Greenland
- L. cornutella* (Ehrenberg, 1872)
= *Eucyrtidium cornutella* Ehrenberg, 1872
Arctic Ocean, Mediterranean
- L. botryocyrus* Haeckel, 1887
50°N 31°W, 55°N 44°W
- Lithomitra* Haeckel, 1887
- L. lineata* (Ehrenberg, 1838)
= *Lithocampe lineata* Ehrenberg, 1838
= *Eucyrtidium lineatum* : Ehrenberg, 1847
= *Dictyomitra lineata* : Stöhr, 1880
N. Ice Sea, off E Greenland, Mediterranean
- L. hyperborea* (Bailey, 1856)
= *Eucyrtidium hyperboreum* Bailey, 1856
= *Lithocampe hyperborea* : Haeckel, 1862

Greenland

L. sp. : (Cleve,1899)
= ? *L. australis* : Cleve,1899
Spitsbergen

Botryostrobos Haeckel,1887

B. platycephalus (Ehrenberg,1872)
= *Eucyrtidium platycephalum* Ehrenberg,1872
= *Lithocampe platycephala* : Auctt.
W Norwegian fjords, N Atlantic

Lithocampe Ehrenberg,1839

L. eupora (Ehrenberg,1872)
= *Eucyrtidium euporum* Ehrenberg,1872
N Atlantic

L. hispida (Ehrenberg,1861)
= *Eucyrtidium hispidum* Ehrenberg,1861
N Ice Sea

L. tumidula (Bailey,1856)
= *Eucyrtidium tumidulum* Bailey,1856
?= *Eucyrtidium increscens* Ehrenberg,1861
N Atlantic, N Ice Sea

L. quadrariculata (Ehrenberg,1861)
= *Eucyrtidium quadrariculatum* Ehrenberg,1861
Greenland

Artostrobos Haeckel,1887

A. annulatus (Bailey,1856)
= *Cornuella annulata* Bailey,1856
= *Eucyrtidium annulatum* : Haeckel,1862
between Greenland and Jan Mayen

A. joergenseni Petrushevskaya,1967?
off E Greenland

Botryoidea Haeckel

Cannobotryidae Haeckel,1881, emend. Riedel,1967

Botryocyrtis Ehrenberg,1860

B. platycephala (Petrushevskaya,1967)
off E Greenland

Amphimelissa Jørgensen,1905

A. setosa (Cleve,1899)
= *Botryopyle setosa* Cleve,1899 (TM)
Skagerrak, Hardangerfjord, Bergen, Sognefjord, Tromsø, Norw. Sea, Barents Sea, Kara Sea, off SE Iceland,
between Iceland & Greenland

A. stenostoma (Meunier,1910)
= *Botryopyle stenostoma* Meunier,1910
Barents Sea, Kara Sea, Arctic Ocean

Lithobotryidae Haeckel

Botryocella Haeckel,1881

B. borealis (Ehrenberg,1872)
= *Lithobotrys borealis* Ehrenberg,1872
Greenland

Pylobotryidae Haeckel

Botryocampe Ehrenberg,1860

B. inflata (Bailey,1856)
= *Lithobotrys inflata* Bailey,1856
Greenland, Mediterranean

PHAEODAREA Haeckel,1879 emend. Haecker, Reschethnjak
= **TRIPYLEA** Hertwig,1879
= **CANNOPLYEA** Haeckel,1881
= **PANSOLENA** Haeckel,1878

Lirella Ehrenberg,1872

L. melo (Cleve,1899)
= *Beretta melo* Cleve,1899
Bergen, Røst, W Spitsbergen, Greenland Sea

L. bullata (Stadum & Ling,19??)
W Norwegian fjords

Borgertella ?,19??

B. caudata (Wallich,18??)
W Norwegian fjords

PHAEOGYMNOCCELLIDA Cachon & Cachon,1982

Phaeosphaeridae Cachon-Enjumet

Phaeosphaera Cachon-Enjumet

Phaeodinidae Cachon-Enjumet
* Monogeneric

Phaeodina

Atlanticellidae Cachon-Enjumet
* 5 genera

Miracella Borgert

Gymnocella Cachon-Enjumet

Planktonetta Borgert

Halocella Borgert

Lobocella Borgert

PHAEOCYSTIDA

Aulacanthidae Haeckel
* 11 genera

Aulacantha Haeckel,1861

A. scolymantha Haeckel,1862
Bergen, Faeroe Channel, off W Hebrides, W Greenland, Mediterranean

A. laevisima Haeckel,1887
Faeroe Channel, Greenland, Spitsbergen

A. tenuis Haeckel,18??
?off W Hebrides

Aulographis Haeckel,1884
= *Aulographium* Haeckel,1879

A. flosculus Haeckel,1887
Faeroe Channel, N Gulf Stream branch

A. tetrancistra Haeckel,1887
50.8-60.3°N 27-47.3°W

A. pulvinata Haeckel,1887
Faeroe Channel, N Gulf Stream branch

A. zetesios (Fowler,1898)
= *Aulocoryne zetesios* Fowler,1898
Faeroe Channel, N Gulf Stream branch

Auloceros Haeckel,1887

A. trigeminus Haeckel,1887, var. Fowler,1898
Faeroe Channel, N Gulf Stream branch

Aulopathis Haeckel,1887

A. bifurca Haeckel,1887
60.3°N 27°W

Aulodendron Haeckel,1887

A. antarcticum Haeckel,1887
Spitsbergen, Greenland Sea

Astracanthidae Haeckel
* 1 genus

Astracantha Haeckel

PHAEOSPHAERIDA

Aulosphaeridae Haeckel
* 4 genera

Aulosphaera Haeckel,1860

A. flexuosa Haeckel,1887
Faeroe Channel, N Gulf Stream branch

A. labradoriensis Borgert,1901
Irminger Sea, W Greenland

A. multifurca Haeckel,1887
Greenland, Arctic Ocean

A. neglecta Borgert,1901
Mediterranean, Irminger Sea

Auloscena Haeckel,1887

A. spectabilis Haeckel,1887
W Spitsbergen, Greenland Sea

A. verticillus Haeckel,1887
Irminger Sea

Aulatractus Haeckel,1887
= *Aulotractus* Hensen,1887

A. fusulus Haeckel,1887
between Hebrides & Rockall, Faeroe Channel, N Gulf Stream branch

A. ovulum Borgert,1901
Irminger Sea

A. septentrionalis Borgert,1901
Irminger Sea

A. fusiformis Haeckel,1887
Irminger Sea

A. proteus Borgert,1901
Labrador Current

Aulastrum Haeckel,1887

A. spinosum Borgert,1901
Labrador Current

A. mirabile Borgert,1901
Irminger Sea

Cannosphaeridae Haeckel
* one genus

Coelacanthantha Hertwig,1879
= *Cannosphaera* Haeckel,1879

C. lepta (Jørgensen,1900)
= *Cannosphaera lepta* Jørgensen,1900
Hardangerfjord, Bergen, Foldenford, Skjerstadfjord, Svolver, Skroven, Henningsvær, Balstad, Tranøydybet

C. geometrica (Borgert, 1892)
= *Cannosphaera geometrica* Borgert,1892
Skroven, Vestfjord, Kvænangen, Glaukværø, Irminger Sea

C. antarctica (Haeckel,1887)
= *Cannosphaera antarctica* Haeckel,1887
Bergen, Irminger Sea, W Greenland

Sagospaeridae Haeckel

* 3 genera

Sagoscena Haeckel,1887

S. castra Haeckel,1887
Irminger Sea

S. militaris Borgert,1901
Irminger Sea

S. elegans Borgert,1901
Irminger Sea

Sagenoscena Haeckel,1???

S. penicillata Haeckel,1887
W Spitsbergen, Greenland Sea

S. irmingeriana Borgert,1901
Irminger Sea

S. spathillata Haeckel,1887
Greenland, Arctic Ocean

Sagenoarium Borgert,1891

S. chuni Borgert,1891
Irminger Sea

S. norvegicum Brock,1906
= *Sagenoarium* (?) *norvegicum* Brock,1906
62°20'N 0°E

S. sp. : Jørgensen,1900
Bergen

PHAEOCALPIDA

Castanellidae Haeckel
* 7 genera

Castanidium Haeckel,1879

C. variabile Borgert,1891
Mediterranean, Irminger Sea

C. apsteini Borgert,1901
Irminger Sea

C. brandti Borgert,1901
between Faeroes & Rockall, N Gulf Stream branch

Castanarium Haeckel

Castanella Haeckel

Castanissa Haeckel

Castanura Haeckel

Castanea Haeckel

Circocostanea Haeckel

Circoporidae Haeckel
* 2 genera

Haeckeliana Haeckel,1887

H. labradoriana Borgert,1901
Labrador Current

Circospathis Haeckel

Tuscaroridae Haeckel
* 5 genera

Tuscarora Murray,1885

T. nationalis Borgert,1892
Irminger Sea

Tuscaretta Haeckel

Tuscarilla Haeckel

Porospathidae Borgert
* one genus

Porospathis Haeckel,1879
= *Polypetta* Haeckel,1887

P. holostoma (Cleve,1899)
= *Polypetta holostoma* Cleve,1899
W Spitsbergen, Greenland Sea

Polypyramidae Reschtnjak
* one genus

Polypyramis Reschtnjak

PHAEOGROMIDA

Challengeridae Murray,1876
* Hensen,1887 has a note about a probably new species of the family from Skagerrak.
* 3 genera

Cadiumella Strand,1928
= *Cadium* Bailey,1856, non Link,1807 (Mollusca)

C. marinum (Bailey,1856)
= *Cadium marinum* Bailey,1856
Labrador Current, Kamtschatka, Arctic Ocean

Challengeron Haeckel,1887

C. diodon Haeckel,1887
= *C. nathorstii* Cleve,1899
= *C. heteracanthum* Jørgensen,1900
Gullmar, Skagerrak, Bergen, Foldenford, Skroven, Henningsvær, Balstad, Tysfjord, Lofoten, Sagfjord, Øxsund, Raftsund, Tranødybet, Ofoten, Skjomen, Vestfjord, Raftsundet, Tromsø, Gaukvrø, Stamsund, Helligvær, Bear Island, Iceland, Greenland Sea, Barents Sea, W Spitsbergen, Mediterranean

C. armatum Borgert,1901
Bergen, Gaukvrø, between Hebrides & Rockall, N Gulf Stream branch,

C. neptuni Borgert,1892
Labrador Current

C. triodon Haeckel,1887
off W Hebrides

C. balfouri (Murray,1885)
= *Challengeria balfouri* Murray,1885
off W Hebrides

C. golfense Haeckel,1887
Faeroe Channel, N Gulf Stream branch

C. channeri (Murray,1885)
= *Challengeria channeri* Murray,1885
between Faeroes & Rockall

C. johannis Haeckel,1887
Faeroe Channel, N Gulf Stream branch

Lithogromia Haeckel,1879
* This genus is not a member of the family, if it not is a synonym of one of the three.

L. silicea Haeckel,1887
Faeroe Channel, N Gulf Stream branch

Protocystis Wallich,1862

P. tridens (Haeckel,1887) Borgert,1901
Skagerrak, Hardangerfjord, Bergen, Foldenford, Skjerstadfjord, Svolver, Skroven, Henningsvær, Balstad, Tranødybet, Røst, Øxsund, Ofoten, Lyngen, Kvænangen, Helligvær, Vestfjord, Glaukvrø, between, Hebrides & Rockall, N Gulf Stream branch, E & W Greenland, Barents Sea, North Ice Sea

P. xiphodon (Haeckel,1887) Borgert,1901
= *Challengeria xiphodon* Haeckel,1887
Bergen, Skroven, Tysfjord, Røst, Raftsund, Øxsund, Sagfjord, Henningsvær, Tranødybet, Ofoten, Vestfjord, Raftsundet, Tromsø, Kvænangen, Hellingvær, Glaukvrø, between Hebrides & Rockall, N Gulf Stream branch, E & W Greenland, Mediterranean

P. harstoni (Murray,1885) Borgert,1901
?= *Protocystis aurita* Wallich,1869
= *Challengeria harstoni* Murray,1885
= *Challengeria thomsoni* Hensen,1887
Bergen, Sognefjord, Skroven, Røst, Tysfjord, Øxsund, Tranødybet, Ofoten, Skjomen, Glaukvrø, off W Hebrides, N Gulf Stream branch, S & W Spitsbergen, Greenland Sea

P. tritonis (Haeckel,1887)
= *Challengeria tritonis* Haeckel,1887
Faeroe Channel, N Gulf Stream branch

P. bicornis Borgert,1901
Labrador Current

Entocannula Haeckel,1879
* This genus is not a member of the family, if it not is a synonym of one of the three.

E. hirsuta Haeckel,1887
Faeroe Channel, N Gulf Stream branch

Pharyngella Haeckel,1887
* This genus is not a member of the family, if it not is a synonym of one of the three.

P. gastrula Haeckel,1887
Faeroe Channel, N Gulf Stream branch

Medusettidae Haeckel,1887
* 6 genera

Medusetta Haeckel,1887

M. arcifera Jørgensen,1900
Hardangerfjord, Bergen, Sognefjord, Reine, Ofoten, Tromsø, Henningsvær

M. tiara Haeckel,1887
Faeroe Channel, N Gulf Stream branch

M. armata Borgert,1901
Labrador Current

Gazelletta Haeckel,1887, ex Murray MS

G. pentapodium Jørgensen,1900
Bergen, Henningsvær, Røst, Vestfjord, Tromsø, Moskenstrømmen

G. hexanema Haeckel,1887
off S Orkneys

G. pectinata Haeckel,1887
Faeroe Channel, between Hebrides & Rockall, N Gulf Stream branch

G. atlantica Borgert,1901
between Faeroes & Rockall, Irminger Sea

Euphysetta Haeckel,1887

E. nathorsti Cleve,1899
Bergen, W Spitsbergen, Greenland Sea

E. lucani Borgert,1892
= *E. mediterranea* Lohmann,1899
Mediterranean

Cortinetta Haeckel

Gorgonetta Haeckel

Polypetta Haeckel

PHAEOCONCHIDA

Concharidae Haeckel
* 9 genera. Not recorded north of 50° N in the Atlantic

PHAEODENDRIDA

Coelodendridae Haeckel,1862
* Many genera

Coelodendrum Haeckel,1860

C. ramosissimum Haeckel,1860
Bergen, Faeroe Channel, N Gulf Stream branch, Mediterranean, Irminger Sea

Coeloplegma Haeckel,1887

C. murrayanum Haeckel,1887
Faeroe Channel, off W Hebrides, N Gulf Stream branch

C. tritonis Haeckel,1887
Faeroe Channel, N Gulf Stream branch

"ACTINELIDA" Popofsky,1904 emend. Mielk & Schewiakoff
* Incertae sedis. Possibly transitional between Acantharia & Heliozoa.

ACTINELINA Haeckel,18?? emend. Popofsky, Mielk & Schroeder

Astrolophidae Haeckel

Actinelius Haeckel,1865

Astrolophus Haeckel,1881

Podactinelius Schröder,1907

ACTINASTRINA Popofsky

Trizonidae Popofsky

Trizona Popofsky,1904

Actinastridae Haeckel,18?? emend. Popofsky

Actinastrum Haeckel,1885

HELIOZOE Haeckel,1866

* Strongly polyphyletic. Now divided in eight distantly related groups: Actinophryida, Centrohelida, Cristidiscoidida (Rhizopodea, Filosea), Desmorthoracidae (incertae sedis), Dimorphidae (incertae sedis), Gymnosphaerida, Pedinellales & Taxopodida.

Servetia Poche,1913
= *Haeckelina* Mereschkowsky,1878, non Bessels,1875 (Foraminiferida)
= *Microsol* Dons,1918
* which order?

S. borealis (Mereschkowsky,1878)
= *Haeckelina borealis* Mereschkowsky,1878 (TM)
= *Podophrya gracilis* Calcins,1902
Norway, White Sea, E USA

Gelatinophrys ?Kufferath,1952
* which order?

G. ostendensis Kufferath,1952
* planktonic
Ostende

ACTINOPHRYIDA Kühn,1926

?Family?

Camptonema Schaudinn,1894

C. nutans Schaudinn,1894 (TM)
* Not seen since its discovery.
Norwegian coast at 10 m.

Actinophryidae

Actinophrys Ehrenberg,1830 (TM *A. sol* Ehrenberg,1830)

A. pontica Valkanov,1940
Black Sea

Actinosphaeridae

Actinosphaerium von Stein,1857
= *Echinospaerium* ?,1???

A. portuum Kufferath,1952
* planktonic
Ostende

DESMORTHORACIDA Hertwig & Lesser,1874
* Taxon incertae sedis, according to Patterson & Zölffel,1992

?Family?

Hedriocystis Hertwig & Lesser,1874

Monomastigocystis Saedeleer,1930

Clathrulimidae

Clathrulina Cienkowski,1867

Orbulinella Entz senior,1877

O. smaragdea Entz senior,1877 (TM)
?= *O. salina* Labbé,1924
* in salty ponds
Hungary, Croisie

CENTROHELIDA Hartmann,1913 = CENTROHELIOZOA
* Should the author be Kühn,1926

?Family?

Chlamydaster ?,1???

Raphidocystis Pénard,1904

Actinolophus Schulze,1874

A. pedunculatus Schulze,1874 (TM)
Warnemünde, S France

Cienkowskya Schaudinn,1896
= *Wagneria* Cienkowski,1881, non Robineau-Desvoidy,1830, nec Gistel,1848, nec Alenitzin,1873

C. mereschkowskyi (Cienkowski,1881)
= *Wagneria mereschkowskyi* Cienkowski,1881 (TM)
White Sea, S France

Wagnerella Mereschkowsky,1878

W. borealis Mereschkowsky,1878 (TM)
Norway, cosmopolitan

Oxnerella Dobell,1917

O. marina Dobell,1917 (TM)
Plymouth

Actinocoryne Febvre-Chevalier,1980

A. contractilis Febvre-Chevalier,1980 (TM)
French Mediterranean

Hedraiophryidae

Hedraiophrys Febvre-Chevalier,1973

H. hovassei Febvre-Chevalier,1973 (TM)
?French Mediterranean

Gymnosphaeridae

Gymnosphaera Sasaki,1894

G. albida Sasaki,1894 (TM)
Mediterranean

Acanthocystidae

Acanthocystis Carter,1863 (TM *A. turfacea* Carter,1863 - fresh water)

* This genus was divided into three genera (*Acanthocystis*, *Choanocystis* & *Pterocystis*) for ultrastructural reasons by Siemensa & Roijackers,1988. This was thought to be a bit premature by Patterson & al., 1993, until ecological studies separating the three groups in one ore another adaptive way is found.

A. erinaeoides Petersen & Hansen,1960
Tvärminne, Danish & Dutch fresh water

A. fortessa Nicholls,1983
Tvärminne, German & Dutch fresh water

A. paliformis Dürrschmidt,1987
Tvärminne, Fresh waters of Chile & New Zealand

A. pelagica Ostenfeld,1904
* Autumn plankton form.
Baltic, Kattegatt, Skagerrak, W Jylland, W Limfjord

A. perpusilla Petersen & Hansen,1960
= *Choanocystis perpusilla* (Petersen & Hansen,1960) Siemensa & Roijackers,1988
Tvärminne, Danish & Dutch fresh water, midAtlantic

A. (Acanthocystis) turfacea Carter, in Dürrschmidt,1985
Tvärminne, Denmark, cosmopolitan, eurythermal in fresh water

A. (Choanocystis) aculeata Hertwig & Lesser,1874
Bothnian Sea, Denmark

A. spinifera Greeff,1869, non Penard,1904
* Freshwater species in Europe & North America, which also may be found pelagical in Seawater.
?

A. wiasemskii Ostroumoff,1917
* marine species
?

Heterophryidae

Heterophrys Archer,1869

H. myriopoda Archer,1869 (TM - fresh water)
= *H. marina* Hertwig & Lesser,1874
Tvärminne, German seawater aquarians, Fresh water in most of Europe

Astrodisculus Greeff,1869 sensu Penard,1904, non Stern,1924

A. marinus Kufferath,1952
* planktonic
Ostende

Raphidiophryidae

Raphidiophrys Archer,1867

R. marina Ostenfeld,1904
* planktonic during October - January
Skagerrak, S & E North Sea, Engl. Channel, Shetland, Irish Sea

R. marginata Nicholls & Dürrschmidt,1985
Tvärminne, Fresh water in Netherlands, Canada, Chile, New Zealand ...

TAXOPODIDA Fol,1883

Sticholonchidae

Sticholonche Hertwig,1877

S. zanklea Hertwig,1877 (TM)
= *Spermatogonia antiqua* Fortmorel,1892
= *Sticholonche ventricosa* Meunier,1910
* pelagic at depths of 100-500 m. Often found with dinoflagellate parasite *Amoebophrya sticholonchae* Koepen
* Found in Scandinavian waters during winter (Nov.-Feb.) only.
Kattegatt, Skagerrak, North Sea, Barents Sea, Arctic Ocean, Mediterranean

ROTOSPHAERIDA Rainer,1968

Pinaciophora Greeff,1875 (TM *P. fluviatilis* Greeff,1873 - fresh water)
= *Potamodiscus* Gerloff,1968?

P. tridentata Thomsen,1978
Tvärminne, Denmark (Isefjord, Dybsø fjord)

P. bifurcata Thomsen,1978
Denmark (North Sea)

Pinacocystis Hertwig & Lesser,1874
?= *Pinaciocystis* Roskin,1929

P. rubicunda Hertwig & Lesser,1874
a Seawater aquarium

Lithocolla Schulze,1874

L. globosa Schulze, 1874 (TM)
* Euryecous species, which may be found in fresh as well as brackish water.
Warnemünde

CHYTRIDIOMYCOTA

* in S Norway is *Thalassiosira nordenskiöldii* Cleve parasited by a marine chytrid (Gaertner, 1979)

Nowkowskiella ??, 1???
* Which order?

Sporomonas Chatton & Lwoff, 1924
* Systematic placement very tentative. This flagellate is difficult to classify

S. infusorium Chatton & Lwoff, 1924
@ internal parasite in *Folliculina* & *Vorticella*
France, Woods Hole

Topsentella Duboscq & Tuzet, 1936
* Systematic placement very tentative.

T. fallax Duboscq & Tuzet, 1936
@ parenchyma of *Sycon raphanus*
?France

Nephrococcidioides Harant, 1936
* Which order?

N. legeri (Harant, 1931)
= *Pseudoklossia legeri* Harant, 1931
@ pyloric glands of *Styela* & *Polycarpa* spp.
?France

CHYTRIDIALES

Achlyogetonaceae

Achlyogeton Schenk, 18??

A. entophyllum Schenk, 18??
@ *Cladophora*
* marine?. Occurs primarily in fresh water *Cladophora* species.
?

A. salinum P.A. Dangeard, 1932
@ *Cladophora* sp.
?

Rhizidiaceae

Catenochytridium Berdan, 1939
* Correct family?

C. carolinianum Berdan, forma *marinum* Kobayasi & Ookubo, 1953
@ *Cladophora japonica* Yamada
Japan

Chytridium Braun, 1851

C. polysiphoniae Cohn, 1865
= *Rhizophyidium polysiphoniae* (Cohn) Petersen, 1905
= *Rhizophyidium olla* Petersen, 1905
@ *Polysiphonia*, *Ceramium*, *Delesseria* & other red algae
Swedish coast, Denmark, Germany, Greenland, W USA, France

C. megastomum Sparrow, 1934
@ *Sirania attenuata* & *Ceramium diaphanum*
Denmark, North Carolina

C. turbinatum Kobayasi & Ookubo, 1954
@ *Bryopsis* sp.
Japan

C. codicola Zeller, 1918
@ *Codium mucronatum*
North Carolina

C. lagenaria var. *japonense* Kobayasi & Ookubo, 1953
@ *Cladophora japonica* Yamada
Japan

Entophlyctis Fischer, 1???

E. confervae-glomeratae (Cienkowski) Sparrow, forma *marina* Kobayasi & Ookubo, 1954
* should be moved from this genus
Japan?

Phlyctidium (Braun) Rabenhorst, 18??

P. brevipes
= *P. brevipes* var. *marinum* Kobayasi & Ookubo, 1954
@ *Gracilaria*
* originally known from fresh water
Japan?

Physorhizophidium Scherffel, 1???

P. pachydermum
@ *Amphora* & *Navicula*
?

Phlyctochytrium Schroeter, 1892
= *Rhizidium* A. Fischer, in Rabenhorst, 1892, non Braun, 1856
@ filamentous algae

P. aestuarii Ulken, 1972
Weser estuary

P. mangrovis Ulken, 1972
Brazil, Hawaii

P. marinum Kobayasi & Ookubo, 1953
@ *Cladophora* spp.
Japan

P. cladophorae Kobayasi & Ookubo, 1954
@ *Cladophora* sp.
Japan

P. bryopsidis Kobayasi & Ookubo, 1954
@ *Bryopsis* sp. & *Cladophora* sp.
Japan

P. japonicum (Kobayasi & Ookubo) Sparrow, 1960
= *Rhizophyidium japonicum* Kobayasi & Ookubo, 1953
@ *Cladophora* sp. & *Gracilaria confervoides*
Japan

P. semiglobiferum Uebelmeßer, 1956
* not truly marine
European coast

Podochytrium Pfitzer, 1869

P. chitinophilum Willoughby, 1961
Tay estuary at very low salinity

Rhizidium Braun, 1856

R. braunii Zopf, 1888
@ diatoms & desmids
Finland, Germany (inland salt pool)

Rhizoclostridium Petersen, 1903

R. marinum Kobayasi & Ookubo, 1954
@ *Codium fragile*
Japan

Rhizophlyctis Fischer, in Rabenhorst, 1892
= *Karlingia* Johanson, 1944

R. harderi Uebelmeßer, 1956
Tay estuary, Mediterranean

Rhizophyidium Schenk, 1858

R. planktonicum
@ *Asterionella*
?

R. littoreum Amon, 1984
@ *Codium* sp. & *Cancer antomyi*
Hawaii

R. halophilum Uebelmeßer, 1956
@ Pine pollen
Baltic, North Sea, Mediterranean, USA

R. codicola Zeller, 1918
@ *Codium mucronatum*
USA

R. subglobosum Kobayasi & Ookubo, 1954
@ *Bryopsis* sp. & *Cladophora* sp.
Japan

R. cladophorae (Kobayasi & Ookubo) Sparrow, 1960
= *Phlyctidium cladophorae* Kobayasi & Ookubo, 1954
@ *Cladophora* sp.
Japan

R. distinctum Petersen, 1905
@ e.g. ?*Acrosiphonia*, *Polysiphonia*, *Ceramium* & *Spongomorpha*
* doubtful species
Sweden, Denmark, USA

R. gelatinosum Lind, 1905
@ *Acrosiphonia pallida*
* Doubtful species, which may not be a fungus
Sweden

R. globosum (Braun) Rabenhorst, 18??
@ e.g. ?*Acrochaetium* & *Bryopsis plumosa*
* Doubtful species, which may embrace a collection of taxa
Sweden, USA

?*R.* sp. : Drebes, 1974
@ *Bacteriastrum hyalinum* & *Chaetoceros densus*
North Sea

Spizellomyces

S. acuminatus (Ulken, 1972) (Barr, 1984)
Weser estuary

Olpidiaceae

Olpidium (Braun) Rabenhorst, 1868

O. laguncula Petersen, 1905
@ *Dumontia incrassata* & *Dumontia filiformis*
* doubtful species
Swedish coast, Denmark, Isle of Man

O. maritimum Höhnk & Aleem, 1953
? = *O. pendulum* Zopf, 1???
* in brackish water
Sweden, ?Bohusl., Weser estuary

O. aggregatum P.A. Dangeard, 1890-91
@ *Cladophora* sp.
* may possibly be a synonym of *Sirolopidium bryopsidis*
France, Japan, North Carolina

O. entosphaericum (Cohn) A. Fischer, in Rabenhorst, 1892
= *Chytridium entosphaericum* Cohn, 1865
@ *Bangia fuscopurpurea* & *Hormidium penicilliformis*
* should possibly be transposed to *Anisolpidium* or *Olpidiopsis*
Germany

O. lauderae Gran, 1900
@ *Lauderia borealis*
* should probably be transposed to *Ectrogella* or *Eurychasma*
Norway

O. spp. : Jiroveck, 1956
@ in a marine rotifer species
?

Rozella Cornu, 1872
= *Rozia* Cornu, 1872
= *Pleolpidium* A. Fischer, in Rabenhorst, 1892

R. marina Sparrow, 1938
@ *Chytridium polysiphoniae* Cohn

USA

Pleotrachelus Zopf,1884

P. olpidium Petersen,1905
@ algae, e.g. *Ectocarpus* spp. *Furcellaria*, *Polysiphonia* etc.
Swedish coast, Denmark, Faeroes, France

P. minutus Petersen,1905
@ *Chorda filum* & *Litosiphon pusillus*
Swedish coast, Denmark, France

P. inhabilis Petersen,1905
@ *Polysiphonia* spp.
* dubious species, seemingly consisting of different forms, belonging in *Petersenia* or *Olpidium*
Denmark

P. paradoxus Petersen,1905
@ in sporangia of *Rhizophyidium distinctum* on *Spongomorpha vernalis*
Norway

Cladochytriales

Coenomyces Deckenbach,1902-1903
= *Deckenbachia* Jaczewiski,1951

C. consuens Deckenbach,1902-1903 (TM)
@ marine blue green bacterians, e.g. *Calothrix*, *Rivularia* & *Tildenia*
Denmark, Albania, USA

Nephromyces Giard,1888
* imperfectly known genus, very provisionally regarded as a member of this family

N. molgularum Giard,1888
@ renal sac of *Molgula tubifera*
?France

N. sorokini Giard,1888
@ renal sac of *Molgula complanata*
?France

N. rocovitanus Giard,1888
@ renal sac of *Molgula oculata*
?France

HARPOCHYTRIALES

* No marine species?

BLASTOCLADIALESCatenariaceae*Catenaria* Sorokin,1876

C. anguillulae Sorokin,1876
Mexico, India

MONOBLEPHARIDALES

* No marine species?

PHYCOMYCOTA= MASTIGOMYCOTINA

Cyclopterocola ?Apstein,1910?
* Taxonomic position unclear

C. marina Apstein,1910
@ oral cavity wall of *Cyclopterus lumpus*
?

OOMYCOTEASAPROLEGNIIIDA= SAPROLEGNIALESSaprolegniaceae*Leptolegnia* de Bary,1888

L. baltica Höhnk & Vallin,1953
@ *Eurytemora hirundooides* (Nordquist)
N Baltic

Ectrogellaceae

Eurychasma Magnus,1905
@ Parasitic principally in Phaeophyta & Rhodophyta

E. dicksonii (Wright) Magnus,1905
= *Rhizophyidium dicksonii* Wright,1879
= *Olpidium dicksonii* (Wright) Wille,1899
= *Ectrogella dicksonii* (Wright) Scherffel,1925
@ *Ectocarpus* spp., *Pylaiella littoralis* & other algae
W Sweden, Denmark, Ireland, Britain, France, Greenland, Mediterranean, Kerguelen

E. sacculus Petersen,1905
@ *Palmaria palmata* & *Halosaccion ramentaceum*
* Doubtful species
North Sea, Greenland

Eurychasmidium Sparrow,1936
@ Parasitic principally in Phaeophyta & Rhodophyta

E. tumefaciens (Magnus) Sparrow,1936
= *Chytridium tumefaciens* Magnus,1872
= *Olpidium tumefaciens* (Magnus) Wright,1879
= *Pleotrachelus tumefaciens* (Magnus) Petersen,1905
@ nodal cells of *Ceramium* spp.
Denmark, Scotland, Ireland, France, Italy, USA

Ectrogella Zopf,18??, em. Scherffel,1925
@ Diatoms

E. perforans H.E. Petersen,1905
@ *Licmophora* spp. & other pennate diatoms
Sweden, Denmark, Germany, France, USA

E. eurychasmoides Feldmann & Feldmann,1955
@ *Licmophora lyngbyei*
France

E. licmophorae Scherffel,1925

@ *Licmophora* sp.
Italy

E. marina (P.A. Dangeard) Feldmann & Feldmann,1955
= *Olpidium marinum* P.A. Dangeard,1912
* doubtfully member of the genus
?

Leptolegniaceae Dick,1971*Leptolegniella* Huneycutt,1???

L. marina (Atkins,1954) Dick,1971?
= *Leptolegnia marina* Atkins,1954
@ eggs & gills of *Pinnotheres pisum*, in *Barnea candida* & *Cerastoderma echinata* & on eggs of *Callinectes sapidus*
Britain

Atkinsiella Vishniac,1958

A. dubia (Atkins,1954) Vishniac,1958
= *Plectospira dubia* Atkins,1954 (TM)
@ Crustacean eggs, zoeas & pre-zoeans, e.g. *Macropodia*, *Liocarcinus* & *Crangon*
Britain

A. hamanaensis Bian & Egusa,1980
@ ova of Mangrove crab, *Scylla serrata* (Forsskål)
Japan

LAGENIDIIDA= LAGENIDIALESFamilies?

?

? *thalassium* (Atkins,1955)
Pythium thalassium Atkins,1955
@ *Pinnotheres pisum*
* Provisionally classified with Lagenidiida
Britain

? *afertile* (? ,1???)
= *Pythium afertile* ? ,1???
@ *Palaemon serratus*
Britain

Gonimochaete

G. latitubus Newell, Cefalu & Fell,1977
@ parasiting & killing littoral nematodes
?

Haptoglossa

H. heterospora Drechsler,1???
@ parasiting & killing littoral nematodes
?

Lagenidiaceae

Lagenidium Schenk,1859
= *Resticularia* P.A. Dangeard,1890-91
@ eggs & juveniles of Crustacea

L. callinectes Couch,1942
@ many crustaceans, including e.g. *Homarus gammarus*
North Carolina

L. thamatophilum T.W. Johnson,1958
@ barnacle eggs
E USA

Myzocyttium Schenk,18??

M. vermicola (Zopf) Fischer, em. Newell, Cefalu & Fell,1977
@ parasiting & killing littoral nematodes
?

M. proliferum Schenk, forma *marinum* Kobayasi & Ookubo,1953
Japan?

Olpidiopsidaceae*Olpidiopsis* Cornu,1872

O. sphacellarum (Kny,1???)
@ macro algae
W Sweden

O. andreei (Lagerheim) Karling,1942
= *Pleotrachelus andreei* Lagerheim,1899
= *Bicillium andreei* (Lagerheim) Petersen,1905
= *Pleotrachelus ectocarpii* Jokl,1916
= *Petersenia andreei* (Lagerheim) Sparrow,1936
@ macro algae, e.g. *Spongomorpha*, *Acrosiphonia*, *Ectocarpus* & *Ceramium*
W Sweden, Denmark, North Sea, Greenland, Arctic Seas, France, Adriatic, USA

O. feldmannii Aleem,1952
@ macro algae, e.g. *Falkenbergia rufolanosa* & *Trailiella intricata*
W Sweden, France

O. antithamnionis Whittick & South,1972
@ *Antithamnion floccosum* (O.F. Müller) Kleen
Newfoundland

O. globosa Anastasiou & Churchland,19??
@ the deuteromycete *Papulaspora halima* Anastasiou
?

O. paradoxus ??,1???
@ fungi
?

O. magnusii Feldmann & Feldmann,1955
@ rhizoids of *Ceramium flabelligerum*
France

Siropidiaceae*Lagenisma* Drebes,19??*L. coscinodisci* Drebes,1968

@ endoparasite in *Coscinodiscus* spp. & *Palmeria hardmaniana*
W Sweden, North Sea, Puget Sound, Jamaica

Petersenia Sparrow, 1934
* Familial position uncertain

P. lobata (Petersen) Sparrow, 1934
= *Pleotrachelus lobatus* Petersen, 1905
@ red algae, often *Ceramium*
W Sweden, Denmark, Ireland, France, USA

P. pollagaster (Petersen) Sparrow, 1934
= *Pleotrachelus pollagaster* Petersen, 1905
@ macro algae, e.g. *Chondrus crispus*
W Sweden, Nova Scotia

P. palmariae van der Meer & Poeschel, 1985
@ *Palmaria mollis*
? Canada

Pontisma Petersen, 1905

P. lagenidioides Petersen, 1905
= *Sirolopidium lagenidioides* (Petersen) Karling, 1942
@ macro algae, especially *Ceramium* spp.
W Sweden, Denmark, North Sea, Germany, France, USA, Japan

Sirolopidium Petersen, 1905
@ including Crustacean, oyster & clam larvae parasites

S. bryopsisidis (de Bruyne) Petersen, 1905
= *Olopidium bryopsisidis* de Bruyne, 1890
@ macro algae, e.g. *Bryopsis plumosa* & *Cladophora* spp.
W Sweden, Denmark, North Sea, France, Italy, USA, Japan

S. zoophthorum Vishniac, 1955
@ larvae of *Crassostrea virginica* & *Venus* spp.
USA

Synchaetophagus Apstein, 1911
* Family & order very provisional.

S. balticus Apstein, 1911
@ the rotifer *Synchaeta monopora*
Baltic

Ostracoblabe
* Family & order very provisional. Should possibly be assigned to Deuteromycotina.

O. implexa Bornet & Flahault, 19??
@ *Ostrea edulis*
?

Halipotraceae

Haliphthoros Vishniac, 1958

H. milfordensis Vishniac, 1958
@ eggs & juveniles of Crustacea, e.g. *Homarus americanus* & eggs of *Urosalpinx*; also observed on *Enteromorpha* sp.
USA

PERONOSPORA = PERONOSPORALES

Phytiaceae

Phytophthora de Bary, 1???

Pythium Pringsheim, 1858

P. marinum Sparrow, 1934
@ *Porphyra perforata* & *Ceramium rubrum*
Denmark

P. maritimum Höhnk, 1939
@ *Ceramium* sp.
Germany

P. imperfectum Höhnk, 1953
Germany

P. aquatile Höhnk, 1953
Germany

P. porphyrae Takahashi, Ichinotani & Sasaki, 19??
@ *Porphyra* spp.
* may be a synonym of *P. marinum* Sparrow
?

P. salinum Höhnk, 1953
Germany

P. graminicolum var. *stagni* Höhnk, 1953
* dubious taxon
?

P. undulatum var. *littorale* Höhnk, 1953
@ *Fucus distichus*
British Columbia

LEPTOMITIDA = LEPTOMITALES * Exclusively freshwater, according to Moss, 1991

Leptomitaceae

Leptomitus C.A. Agardh, 18??
* Genus in need of revision

L. lanugo C.A. Agardh, 18??
@ *Ceramium rubrum*
?

L. minutissimus (Dillwyn) C.A. Agardh, 18??
@ filamentous marine green algae
?

HYPHOCHYTRIDIOMYCOTEA

HYPHOCHYTRIIDA = HYPHOCHYTRIALES = ANISOCHYTRIALES * 6 genera known

Elina ??, 1???
* Which family?

E. marisalba
* not parasite of algae or animals
?

E. sinorifica
* not parasite of algae or animals
?

Anisopodiaceae

Anisopodium Karling, 1943

A. sphacellarum (Kny) Karling, 1943
= *Chytridium (Olopidium) sphacellarum* Kny, 1871
= *Pleotrachelus sphacellarum* (Kny) Petersen, 1905
@ *Sphacellaria*, *Cladostephus* & *Chaetopteris*
W Sweden, Helgoland, Britain, Denmark, Ireland, France, Italy, USA, Japan

A. ectocarpii Karling, 1943
@ *Ectocarpus* spp.
North Carolina

A. rosenvingii (Petersen) Karling, 1943
= *Pleotrachelus rosenvingii* Petersen, 1905
@ *Pylaiella littoralis* (Linnaeus) Kjellman
Sweden, Denmark

Hyphochytriaceae

Hyphochytrium Zopf, 18??

H. peniliae Artemchuk & Zelzinskaia, 1969
@ *Penilia avirostris* (Dana) & *Eurytemora*

H. oceanicum ??, 1???
* not parasite of algae or animals
?

Rhizidiomycetaceae

Latrostium Zopf, 18??

L. comprimens ??, 1???
@ eggs of marine? *Vaucheria*

Rhizidiomyces Zopf, 1884

R. bulbosus Karling, 1968
@ ?
Helgoland, Oceania

LABYRINTHOMORPHA Page, 1980 * Belongs in the informal group Straminipiles

Diplophyidae
* May belong in Labyrinthulea or Thraustochytrida

Diplophrys Barker, 1868

D. archeri Barker, 1868
= *D. marina* Dykstra & Porter, 1984
Tvärminne, Arctic Canada, E & W USA, European fresh waters

Sorodiplophrys Dykstra & Olive, 1975
* marine?

S. stercorea ?Dyksra, 1976?

LABYRINTHULEA Levine & Cortliss, 1963

LABYRINTHULIDA Lankester, 1877

Labyrinthulidae Haeckel, 1868
* monogeneric family

Labyrinthula Cienkowski, 1867 (8)
= *Chlamydomyxa* Archer, 1875
= *Labyrinthomyxa* Duboscq, 1921 (TM *L. sauvageaui* Duboscq, 1921 - in *Laminaria lejolisi* Sauvageau)
= *Pseudoplasmodium* Molisch, 1926
= *Labyrinthodictyon* Valkanov, 1972

L. vitellina Cienkowski, 1867
Sweden, Black Sea

L. macrocystis Cienkowski, 1867
@ Zoosteraceae & marine algae
Sweden, Black Sea, Europe

L. roscoffensis Chadefaud, 1956
@ marine algae
Roscoff

L. valkanovii Karling, 1944
@ algae
Black Sea

L. coenocystis Schmoller, 1960
?

L. magnifica (Valkanov, 1972)
= *Labyrinthodictyon magnificum* Valkanov, 1972
@ diatoms
Black Sea

L. algeriensis Hollande & Enjumet, 1955
@ *Spartina alterniflora*
?

L. aurantiacum (Molisch, 1926)
= *Pseudoplasmodium aurantiacum* Molisch, 1926
Japan

THRAUSTOCHYTRIDEA

Thraustochytridae Sparrow, 1943, 1960

Thraustochytrium Sparrow, 1936, emend. Johnson, in Johnson & Sparrow, 1961 (16)
@ one species is parasitizing *Labyrinthula* sp.

T. benthicola Raghu-Kumar,1977

T. multiridimentale Goldstein,1963
off NW Africa or off Portugal

T. aureum Goldstein,1963
North Sea

T. aggregatum Ulken,1965
Weser estuary

T. striatum Schneider,1967
Kieler Bucht, Britain (Esk estuary), New Zealand

T. kinnei Gaertner,1967
Helgoland

T. motivum Goldstein,1963
E Scotland at 80 m

T. pachydermum Scholz,1958
North Sea, W Mediterranean, USA

T. roseum Goldstein,1963
US Atlantic, New Zealand

T. proliferum Sparrow,1936 (TM)
@ *Bryopsis plumosa* & *Ceramium diaphanum*
Germany, USA

T.inglei Quick,1972
@ thought to cause early summer mortalities in *Crassostrea virginica*
Florida

T. globosum Kobayasi & Ookubo,1953
@ Ulothricales
Japan

T. arudimentale Artemchuk,19??
?

T. rossii Bahnweg & Sparrow,1974?
Antarctic

T. antarcticum Bahnweg & Sparrow,1974?
Antarctic

Ulkenia Gaertner,1977 (6)

U. amoeboides (Bahnweg & Sparrow,1974)
* Is Gaertner the author?
@ *Eledone cirrhosa*
?

U. minuta Raghu-Kumar,1977
North Sea

U. profunda Gaertner,1977
off Portugal at 1883m

U. radiata Gaertner,1977
Helgoland rocky shore

U. visurgensis (Ulken,1965) Gaertner,1977 (TM)
= *Thraustochytrium visurgense* Ulken,1965
Weser

U. sarkariana Gaertner,1977
Weser estuary

Schizochytrium Goldstein & Belsky,1964 (2)
@ one species is parasitizing *Thalassionema nitzschioides* in S Norway

S. minutum Gaertner,1981
North Sea, Barents Sea, River Tay, Portugal, W Africa, Madeira

S. aggregatum Goldstein & Belski,1964 (TM)
Thames estuary, Florida

Labyrinthuloides Perkins,1973 (4)
* May be congeneric with *Aplanochytrium* Bahnweg & Sparrow,1972

L. yorkensis Perkins,1973 (TM)
North Sea, Virginia

L. minuta (Watson & Raper,1957)
= *Labyrinthula minuta* Watson & Raper,1957
@ marine algae
USA

L. saliens Quick,1974
@ *Halophila engelmanni*, but also isolated from *Crassostrea virginica*
USA

L. schizochytrrops Quick,1974
USA

Japanochytrium Kobayasi & Ookubo,1953 (1)

J. marinum Kobayasi & Ookubo,1953 (TM)
@ *Gracilaria confervoides* & *Cladophora japonica*
Japan

Aplanochytrium Bahnweg & Sparrow,1972 (1)

A. kerguelensis Bahnweg & Sparrow,1972 (TM)
?Sargasso Sea, Madeira, Kerguelen

Althornia Gareth-Jones & Alderman,1971 (1)

A. crouchii Gareth-Jones & Alderman,1971 (TM)
?

Corallochytrium

APICOMPLEXA Levine,1970

PERKINSASIDA Levine,1978

PERKINSORIDA Levine,1978

Perkinsidae Levine,1978

Perkinsus Levine,1978

P. marinus (Mackin, Owen & Collier,1950) Levine,1978 (TM - Gulf of Mexico)
= *Dermocystidium* Perez,1908 *marinum* Mackin, Owen & Collier,1950
= *Labyrinthomyxa marina* (Mackin, Owen & Collier,1950) Mackin & Ray,1966
= *Labyrinthula marina* : Auctt.
@ causes (mortal) tissue lysis in *Crassostrea virginica* (Gmelin)
Gulf of Mexico- Connecticut

P. sp.
@ *Macoma balthica*
Maryland

SPOROZOASIDA Leuckart,1879

GREGARINASINA Dufour,1828

ARCHIGREGARINORIDA Grassé,1953

Selenidioididae Levine,1971

@ 3 genera & 13 sp. in intestines of marine polychaetes, sipunculans, ascidians & enteropneusts

Selenioides Levine,1971 (TM *S. caulleryi* (Brasil,1907) Levine,1971)

S. hollandei (Vivier & Schrével,1966) Levine,1971
@ posterior intestine of *Sabellaria alveolata*

Meroselenidium Mackinnon & Ray,1933 (TM *M. keilini* Mackinnon & Ray,1933)

Merogregarina Porter,1908 (TM *M. amaroucii* Porter,1908)

Exoschizonidae Levine,1971

Exoschizon Hukui,1939

E. siphonosomae Hukui,1939 (TM)
@ *Siphonosoma kumanense*
* The only known species of the family.

EUGREGARINORIDA Léger,1900

BLASTOGREGARINORINA Chatton & Villeneuve,1936 emend.

Siedleckiidae Chatton & Villeneuve,1936

Siedleckia Caullery & Mesnil,1898
* 4 named species in marine polychaetes

S. nematoides Caullery & Mesnil,1898 (TM)
@ *Phylo norvegica*, *Scoloplos armiger* & *Aricia latreilli*
Trondheim, Roscoff, Anse St. Martin

S. mesnili Chatton & Dehorne,1929
@ *Aricia latreilli*
Roscoff

S. dogieli Chatton & Dehorne,1929
@ *Aricia foetida*
Bay of Naples

S. caulleryi Chatton & Villeneuve,1936
@ *Protoaricia oerstedii*
?

ASEPTATORINA Chakravarty,1960

Selenidiidae Brasil,1907

@ 4 genera & 45 sp. in marine invertebrates

Selenidium Giard,1884
= *Platycystis* Léger,1892
* 41 named sp.

S. pendula Giard,1884 (TM)
@ intestine of *Nerine cirratulus* (*Scolecopsis squamata*)
Engl. Channel

S. cirratuli (Mingazini,1893)
@ *Audouinia tentaculata*
Engl. Channel

S. branchiommatidis Ray,1930
@ *Branchiomma vesiculosum*
Plymouth

S. alleni Ray,1930
@ *Branchiomma vesiculosum*
Plymouth

S. plicatum Ray,1930
@ *Cirratulus cirratus*
Plymouth

S. virgula Caullery & Mesnil,1919
@ *Cirratulus cirratus*
Engl. Channel

S. echinatum Caullery & Mesnil,1899
@ *Dodecaceria concharum*
Engl. Channel

S. mesnili Brasil,1909
@ *Myxocola infundibulum*
Plymouth, Roscoff

S. costatum Siedlecki,1903
@ *Nicolea venustula* & *Eupolymnia nebulosa*
Engl. Channel, Cannes, Gulf of Naples

S. brasili Ray,1930
@ *Pomatoceros triquetter*
Plymouth, Wimereux

S. caulleryi Brasil,1907
@ *Pronula tubularia*
Calvados, Plymouth

S. serpulae Lankester,1863
@ *Serpula vermicularis*
Plymouth, Gulf of Naples

- S. terebellae* (Kölliker,1845)
@ *Terebella lapidaria*
Plymouth
- S. sabellae* (Lankester,1863)
@ *Sabella pavonina*
Plymouth
- S. spionis* (Kölliker,1845)
@ *Malacoceros fuliginosa*
Helgoland, Engl. Channel
- S. foliatum* Ray,1930
@ *Malacoceros fuliginosa*
Helgoland, Engl. Channel
- S. intraepitheliale* Reichenow,1932
@ *Malacoceros fuliginosa*
Helgoland, Engl. Channel
- S. metchnikovi* Léger & Duboscq,1917
@ *Glossobalanus minutus*
Biscay
- S. sipunculi* (Dogiel,1907)
@ *Sipunculus nudus*
Gulf of Naples
- S. ?eruzi* Faria, Cunha & Fonseca,19??
@ *Polydora* sp.
Helgoland
- S.* sp.
@ *Scoloplos armiger*
Engl. Channel
- S.* sp.
@ *Spio filicornis*
Engl. Channel
- S.* sp.
@ *Pygospio elegans*
Engl. Channel
- S.* sp.
@ *Salmacina dysteri*
Engl. Channel
- S.* sp.
@ *Ophelia limacina*
Murmansk
- S.* sp.
@ *Polydora coeca*
Engl. Channel
- S.* sp.
@ *Ctenodrilus serratus*
Engl. Channel
- S.* sp.
@ *Nephasoma minuta*
Wimereux
- S.* sp.
@ *Cirratulus cirratulus*
Engl. Channel
- S.* sp. : Brasil & Fantham,1907
@ *Phascolosoma elongatum*
Engl. Channel
- S.* sp. : Brasil & Fantham,1907
@ *Phascolosoma vulgare*
Engl. Channel
- Selenocystis* Dibb,1938 (TM *S. foliata* (Ray,1930) Dibb,1938)
* one named sp.
- Ditrypanocystis* Burt, Denny & Thomasson,1963 (TM *D. cirratuli* Burt, Denny & Thomasson,1963)
* 2 named sp.
- Heterospora* de Saint Joseph,1907
* one named sp.
- H. eulaliae* de Saint Joseph,1907 (TM)
@ coelom of *Eulalia*
- Lecudinidae** Kamm,1922
@ 26 genera & 138 sp., almost all in marine invertebrates
- Lecudina* Mingazzini,1891
= *Doliocystis* Léger,1893
= *Koellikeria* Mingazzini,1891
= *Koellikerella* Labbé,1899
= *Cygnicolium* Bogolepova,1953
@ 42 sp. in polychaetes & other marine invertebrates
- L. pellucida* (von Kölliker,1848) Mingazzini,1891 (TM)
@ *Perinereis cultrifera*, *Platynereis dumerilii* & *Nereis ?pelagica*
Helgoland, Mediterranean
- L. tuzetae* Schrével,1963
@ *Hediste diversicolor*
?
- L. elongata* (Mingazzini,1893)
@ *Lumbrineris impatiens*, *Lumbrineris latreilli*
Engl. Channel, Mediterranean
- L. legeri* (Brasil,1909)
@ *Glycera convoluta*
Engl. Channel
- L. franciana* ?Arvy,1952?
@ intestine of *Phascolion strombi*
Dinard
- L. lankesteri* (Desportes & Théodoridès,1986)
= *Cygnicolium lankesteri* Desportes & Théodoridès,1986
@ *Laetmonice producta* & *L. hystrix*
?
- L.* sp.
@ *Eupolyommia nebulosa*
W France
- L.* sp. : (de Beauchamp,1913)
@ *Ophelia neglecta*
Roscoff
- L.* sp.
@ *Petaloproctus terricola*
W France
- ?*L.* sp.
@ *Temora* sp.
Baltic, Kattegatt, North Sea
- Polyrhabdina* Mingazzini,1891
@ 4 named sp. in polychaetes
- P. spionis* (von Kölliker,1848) Mingazzini,1891 (TM)
@ *Malacoceros fuliginosa*
Helgoland, Engl. Channel
- P. polydora* (Léger,1893)
@ *Polydora* sp., ? *Polydora flava*
Helgoland, ?Plymouth
- P. pygospionis* Caullery & Mesnil,1914
@ *Pygospio elegans*
Engl. Channel
- P. bifurcata* Mackinnon & Ray,1931
@ *Malacoceros fuliginosa*
Plymouth
- P. brasili* Caullery & Mesnil,1914
@ *Spio filicornis*
Engl. Channel
- Ulivina* Mingazzini,1891
@ 6 named sp. in polychaetes
- U. elliptica* Mingazzini,1891 (TM)
@ *Audouinia filigera*, *A. tentaculata*, *Nicolea venustula*, *Petaloproctus terricola* & *Eupolyommia nebulosa*
Engl. Channel, W France, Cannes
- Sycia* Léger,1892 (TM *S. inopinata* Léger,1892)
@ 4 named sp. in polychaetes
- Pontesia* Hasselmann,1926 (TM *P. kelschi* Hasselmann,1926)
@ one named sp. in intestines of marine annelids
- Bhatiella* Setna,1931 (TM *B. marphysae* Setna,1931, emend. Levine,1977)
= *Ferraria* Setna,1931
= *Cotyloperimeritus* Hoshida (Tugawa),1944
@ 2 named sp. in polychaetes
- Viviera* Schrével,1963 (TM *V. marphysae* Schrével,1963)
@ one named sp. in intestines of polychaetes
- Cochleomeritus* Hoshida (Tugawa),1944, emend. (TM *C. lysidici* Hoshida (Tugawa),1944)
@ 2 named sp. in polychaetes
- Ancora* Labbé,1899 (TM *Ancora sagitta* (Leuckart,1861) Labbé,1899)
= *Anc(h)orina* Mingazzini,1891, non *Ancorina* Schmidt,1862 (Spongiaria)
@ 4 named sp. in annelids
- A. sagittata* (Leuckart,1861) Labbé,1899
@ *Capitella capitata*
Helgoland, Engl. Channel, Gulf of Naples
- A. prolifera* Clausen,1993
@ *Microphthalmus ephippiphorus* Clausen (Polychaeta, Hesionidae)
Bergen, Trondheim
- A. lutzii* Hasselmann,1918
? dubious species
?
- A. criodrilii* Sciacchitano,1931
@ *Criodrilus lacuum*
?
- A.* sp. : Caullery & Mesnil,1919
@ *Capitellides giardi*
Engl. Channel
- Hentschelia* Mackinnon & Ray,1931
@ one named sp. in intestines of echiuroids
- H. thalassemae* Mackinnon & Ray,1931 (TM)
@ *Thalassema neptuni* & *Phascolion strombi*
Plymouth
- Lecythion* Mackinnon & Ray,1931
@ one named sp. in intestines of echiuroids
- L. thalassemae* Mackinnon & Ray,1931 (TM)
@ *Thalassema neptuni* & *Phascolion strombi*
Plymouth
- Hyperidion* Mackinnon & Ray,1931
@ one named sp. in intestines of echiuroids
- H. thalassemae* Mackinnon & Ray,1931 (TM)
@ *Thalassema neptuni*
Plymouth
- Zygosoma* Labbé,1899
= *Conorhynchus* Greeff,1880, non Motschoulsky,1860 (Coleoptera), nec Gill, ex Nozemann,1861 (Pisces), nec Bleeker,1863 (Pisces)
@ 2 named sp. in intestines of echiuroids
- Z. gibbosum* (Greeff,1880) Labbé,1899
= *Conorhynchus gibbosus* Greeff,1880 (TM - Norway)
@ *Echiurus pallasii* ?= *E. echiurus*
Norway
- Filipodium* Hukui,1939 (TM *F. ozakai* Hukui,1939)
@ 2 named sp. in intestines of sipunculids
- Diplauxis* Vivier, Ormières & Tuzet,1964 (TM *D. hattii* Vivier, Ormières & Tuzet,1964)
@ 2 named sp. in polychaetes

- Chlamydocystis* Dogel, 1910 (™ *C. captiva* Dogel, 1910)
@ one named sp. in polychaetes
- Contortiocorpa** Bhatia & Setna, 1938 (™ *C. prashadi* Bhatia & Setna, 1938)
* one named sp.
- Lankesteria** Mingazzini, 1891
= *Pleurozyga* Mingazzini, 1891
@ 26 named sp. in ascidians
- L. ascidiae** (Lankester, 1872) Mingazzini, 1891
= *Gregarina* (*Monocystis*) *ascidiae* Lankester, 1872 (™)
@ *Ciona intestinalis*, *Dendrodoa grossularia*, *Polycarpa pomaria*, *Syella rustica* etc.
Roscoff
- L. amaroucii** (Giard, 1873)
@ *Amaroucium nordmanni*, *A. punctatum*, *Aplidium zostericola*, *Leptoclinum listerianum*, *Morchellium argus*, *Polysyncraton lacazei* & *Sidnyum turbinatum*
Roscoff
- L. ascidiellae** Duboscq & Harant, 1923
@ *Asciidiella aspersa*
Roscoff
- L. acutissima** ?, 19??
@ *Asciidiella aspersa*
?
- L. siedleckii** Duboscq & Harant, 1923
@ *Ascidia mentula* & *A. conchilega*
Roscoff
- L. parascidiae** Duboscq & Harant, 1923
@ *Parascidiae elegans* = *Sydinium elegans*
Roscoff
- L. botrylli** ?, 19??
@ *Botryllus schlosseri* & *Botrylloides leachi*
?
- L. maculata** ?, 19??
@ *Polycarpa pomaria*
?
- L. striata** ?, 19??
@ *Aplidium nordmanni* & ?*A. pallidum*
?
- L. clavellinae** ?, 19??
@ *Clavellina lepadiformis*
?
- L. zonata** ?, 19??
@ *Dendrodoa grossularia*
?
- L. tethyi** ?, 19??
@ *Polycylinum aurantium*
?
- L. diazoniae** ?, 19??
@ *Diazona violacea*
?
- L. monstrosa** ?, 19??
@ *Diazona violacea*
?
- L. distapliae** ?, 19??
@ *Distaplia* spp.
?
- Monocystella** Valkanov, 1935 (™ *Monocystella amdti* (Valkanov, 1931) Valkanov, 1935)
= *Pseudolankesteria* Ormieres, 1965
@ 10 named sp. in turbellarians
- M. cyclopori** (Poisson, 1921)
= *Lankesteria cyclopori* Poisson, 1921
@ *Cycloporus maculatus*
* Correct genus?
Engl. Channel
- Ophioidina** Mingazzini, 1891
@ one named sp. in echiuroids
- O. bonelliae** (Frenzel, 1885) Labbé, 1899
= *Gregarina bonelliae* Frenzel, 1885 (™ - Mediterranean)
@ *Bonellia viridis*
Mediterranean
- Paraophioidina** Levine, 1977 (™ *Paraophioidina haeckeli* (Mingazzini, 1891) Levine, 1977)
@ 11 named species in crustaceans
- Lateroprotomeritus** Théodorides & Desportes, 1975 (™ *L. conicus* Théodorides & Desportes, 1975)
* one named sp.
- Extremocystis** Setna, 1931 (™ *E. dendrostomi* Setna, 1931)
@ one named sp. in sipunculids
- Lobianchella** Mingazzini, 1891 (™ *L. belenoides* Mingazzini, 1891)
@ one named sp. in polychaetes
- Urosporidae** Léger, 1892
@ 6 genera & 57 named species, mostly in the coelom of polychaetes, oligochaetes, sipunculids, nemertans, molluscs & echinoderms
* An undescribed species in *Antalis entale* from N Bretagne is thought to be related to *Gonospora testiculi* Tregouboff, 1918 from *Cerithium vulgatum* as well as to another undescribed gregarine infesting *Turritella communis*
- Urospora** Schneider, 1875
= *Cystobia* Mingazzini, 1891 (p.p.)
= *Pachysoma* Mingazzini, 1891 = *Syncystis* Cuénot, 1891
@ 21 named species in annelids, sipunculids, nemertines & echinoderms
- U. nemertis** (von Kölliker, 1845) Schneider, 1875 (™)
* Is the spelling possibly *U. nemertes* ?
@ *Valencinia*
Engl. Channel
- U. echinocardii** Pixell-Goodrich, 1915
@ coelomic cavity of *Echinocardium cordatum* & *Spatangus purpureus*
Plymouth
- U. synaptae** (Cuénot, 1891)
?= *Gonospora mercieri* Cuénot, 1912
@ gut-associated hemal system & coelomic cavity of e.g. *Leptosynapta inhaerens*
Engl. Channel
- U. lagidis** de St-Joseph, 1898
@ *Lagis koreni*
Calvados, Irish Sea
- U. chiridotae** (Dogiel, 1906)
= *Cystobia chiridotae* Dogiel, 1906
@ gut-associated hemal system of *Chiridota laevis*
Murmansk, W Canada
- U. sipunculi** (von Kölliker, 1845) Léger, 1892
@ *Sipunculus nudus*
W France, Mediterranean
- U. ovalis** Dogiel, 1910
@ *Travisia forbesi*
Bergen, Murmansk
- U. travisiae** Dogiel, 1910
@ *Travisia forbesi*
Bergen, Murmansk
- U. neapolitana** Pixell-Goodrich, 1915
@ coelomic cavity of *Echinocardium cordatum*
Engl. Channel & Mediterranean
- Gonospora** A. Schneider, 1875
= *Cystobia* Mingazzini (p.p.)
= *Diplodia* Woodcock, 1906 = *Kalpidorhynchus* Cunningham, 1907
@ 17 named sp. in coelom or rarely intestines of polychaetes, testes of prosobranchs, coelom, respiratory tree & blood vessels of holothurians
- G. longissima** Caullery & Mesnil, 1898
@ *Dodecaceria concharum*
Engl. Channel
- G. arenicolae** (Cunningham, 1907)
@ *Arenicola ecaudata*
Plymouth
- G. varia** (Léger, 1892) (™)
@ *Audouinia tentaculata*
Engl. Channel
- G. irregularis** (Minchin, 1893)
@ *Holothuria forskali*
Plymouth
- G. stichopi** (Lützen, 1968)
= *Cystobia stichopi* Lützen, 1968
* Correct genus?
@ dorsal radial hemal system of *Parastichopus tremulus*
Gullmarfjord, Oslofjord, Trondheimfjord
- ?**G. gonadipertha** (Djakonov, 1923)
= *Diplodia gonadipertha* Djakonov, 1923
@ on and in gonads of *Cucumaria frondosa*
Barents Sea
- G. minchinii** Goodrich & Pixell Goodrich, 1920
@ eggs & coelomic fluid of *Arenicola ecaudata*
Plymouth
- Lithocystis** Giard, 1876, em. Pixell-Goodrich, 1916
@ 8 named sp. in sipunculids & echinoderms
- L. cucumariae** Pixell-Goodrich, 1929
@ respiratory trees of *Pawsonia saxicola*
Plymouth
- L. minchini** (Woodcock, 1904)
@ coelomic side of body wall of *Pawsonia saxicola*
Plymouth
- L. foliacea** Pixell-Goodrich, 1915
@ coelomic cavity of *Echinocardium cordatum*
Plymouth, Mediterranean
- L. schneideri** Giard, 1876 (™)
@ coelomic cavity of *Echinocardium cordatum*, *Spatangus purpureus* & *Echinocardium* sp.
Engl. Channel, Mediterranean
- L. microspora** Pixell-Goodrich, 1915
@ *Spatangus purpureus*
Engl. Channel
- L. brachycercus** Pixell-Goodrich, 1925
@ *Chiridota laevis*
W Canada
- Ceratospira** Léger, 1892 (™ *C. mirabilis* Léger, 1892)
@ one named sp. in polychaetes
- Pterospora** Labbé & Racovitza, 1897
@ 3 named sp. mostly in coelom of polychaetes
- P. maldaneorum** Labbé & Racovitza, 1897 (™)
@ *Leiochone liopygus* & *Petaloproctus terricola*
Roscoff
- P. ramificata** Dogiel, 1910
@ *Nicomache lumbricalis*
Murmansk
- P. clymenellae** (Porter, 1897)
@ *Clymenella torquata*
?
- Paragonospora** Lang, 1954 (™ *P. typica* Lang, 1954)
@ 1 named sp. in polychaetes
- Aikinetocystidae** Bhatia, 1930
@ 2 genera in coelom of oligochaetes
- Monocystidae** Bütschli, 1882
@ 27 genera & 188 named species, the great majority in oligochaetes
- Monocystinae** Bhatia, 1930

- @ 7 genera in seminal vesicles (or coelom) of oligochaetes
- Zygocystinae** Bhatia,1930
@ 3 genera in oligochaetes
- Rhynchocystinae** Bhatia,1930
@ 3 genera in oligochaetes
- Stomatophorinae** Bhatia,1930
@ 10 genera in oligochaetes (or millipeds)
- Oligochaetocystinae** Meier,1956 emend. Levine,1977
@ 4 named genera in oligochaetes, echinurids, chilopods & mites
- Oligochaetocystis** Meier,1956 (™ *Oligochaetocystis pachydrili* (Lankester,1863) Meier,1956, emend. Levine,1977)
* 3 named sp.
- Echiurocystis** Levine,1977 (™ *Echiurocystis yumushii* (Iitsuka,1933) Levine,1977)
@ 3 named sp. in echinurids
- Diplocystidae** Bhatia,1930
@ insects
- Allantocystidae** Bathia,1930
@ ceratopogonid larvae
- Schaudinellidae** Poche,1913
@ earthworm
- Ganymedidae** Huxley,1910
@ one sp. known from *Anaspides tasmaniae*
- Enterocystidae** Codreanu,1940
@ insects
- SEPTATORINA** Lankester,1885
- Porosporoidea** Chakravarty,1960
- Porosporidae** Labbé,1899
@ 3 genera & 31 sp. with vegetative & sexual development in decapod crustaceans and sporogony in connective tissue of Bivalvia
- Nematopsis** Schneider,1892
= *Carcinoecetes* Ball,1938 (p.p.)
* 24 named sp.
- N. pectinis** (Léger & Duboscq,1925)
@ *Chlamys varia*; decapod host unknown
Roscoff
- N. veneris** (Léger & Duboscq,1925)
@ gills of *Clausinella fasciata*; decapod host unknown
Mediterranean
- N. legeri** de Beauchamp,1910
= *N. mediterranean* Léger,1905 (nomen oblitum)
= *Porospora galloprovincialis* Léger & Duboscq,1925
@ oocysts in e.g. *Mytilus galloprovincialis*, *Lisaea rubra*, other bivalves & prosobranchs; definite host is the crab *Eriphia spinifrons*
French Atlantic, Mediterranean
- N. portunidarum** (Frenzel,1885) Hatt,1931 (™)
@ oocysts in gill vessels of *Cerastodema edule*; vegetative & sexual stages in *Liocarcinus depurator*, *?Liocarcinus arcuatus* & *?Carcinus maenas*
Europe
- N. schneideri** ??,1???
@ oocysts in *Mytilus edulis*, *Spisula solida*, *Donax vittatus*, *Venerupis pullastra*, *Macoma balthica*, *Cerastodema edule* & other bivalves; vegetative stage in *Carcinus maenas* & *Liocarcinus depurator*
Europe
- N. maraisi** (Léger & Duboscq,1911)
@ vegetative stage in *Liocarcinus depurator*
Mediterranean
- N. ostrearum** ?,1???
@ *Crassostrea virginica* & crabs
USA
- N. prytherchi** ?,1???
@ *Crassostrea virginica* & crabs
USA
- Porospora** Schneider,1875* 4 named sp.
- P. gigantea** (van Beneden,1869) Schneider,1875 (™)
@ various gastropods, e.g. *Trochocochlea mutabilis*; final host: *Homarus gammarus*
Engl. Channel, W France, Mediterranean
- P. nephropsis** Léger & Duboscq,1911
@ alimentary channel of *Nephrops norvegicus*
W France
- Pachyporospora** Théodoridès,1961 (™ *P. laubieri* Théodoridès,1961)
* 3 named sp.
- Gregarinoidea** Chakravarty,1960
- Cephaloidophoridae** Kamm,1922
@ 3 genera & 61 sp.
- Cephaloidophora** Mavrodiadi,1908
= *Carcinoecetes* Ball,1938 (p.p.)
@ 56 named sp. in intestines of amphipods, barnacles, crabs & shrimps
- C. duboscqi** Poisson,1924
@ *Athanas nitescens*
Engl. Channel
- C. communis** Mavrodiadi,1908
@ *Balanus improvisus*
Baltic
- C. ocellata** (Léger & Duboscq,1908)
@ *Pagurus prideauxi*
Banyuls-sur-mer
- C. maculata** Léger & Duboscq,1911
@ *Gammarus duebeni*, *G. locusta* & *G. marinus*
Engl. Channel
- C. brasili** Poisson,1920
@ *Orchestia littorea*
Engl. Channel
- C. talitri** Mercier,1912
@ *Talitrus saltator*
Roscoff
- C. fossor** (Léger & Duboscq,1908)
@ *Pinnotheres pisum*
Engl. Channel
- C. conformis** (Diesing,1851)
@ *Pachygrapsus narmoratus*
Mediterranean
- ?C. sp.
@ *Mysis mixta*
Baltic, Belt Sea
- Caridohabians** Ball,1959 (™ *C. setnai* Ball,1959)
@ 1 named sp. in digestive tract of Crustacea
- Rotundula** Goodrich,1949 (™ *Rotundula maculata* (Léger & Duboscq,1911) Goodrich,1949)
@ 4 named sp. in amphipods
- Cephalobolidae** Théodoridès & Desportes,1975
@ 2 genera & 4 named sp. in marine crustacea
- Cephalobolus** Kruse,1959 (™ *C. penaeus* Kruse,1959)
@ 3 named sp. in guts of marine Crustacea
- Callynchrochlamys** Frenzel,1885 (™ *C. phronimae* Frenzel,1885)
@ 1 named sp. in intestines of amphipods
- Uradiophoridae** Grassé,1953
@ 5 genera & 19 named sp. in intestine of Crustacea
- Uradiophora** Mercier,1912 (™ *Uradiophora cuenoti* (Mercier,1911) Mercier,1912)
@ 5 named sp. in decapods & amphipods
- U. athanasi** Poisson,1924
@ *Athanas nitescens*
Engl. Channel
- U. gammari** Poisson,1924
@ *Gammarus locusta* & *Gammarus oceanicus*
Engl. Channel
- U. mercieri** Poisson,1921
@ *Orchestia littorea*
Engl. Channel
- Heliospora** Goodrich,1949 (™ *Heliospora longissima* (von Siebold, in von Kölliker,1848) Goodrich,1949)
@ 3 named sp. in amphipods
- Pyxinioides** Tréguiboff,1912
@ 10 named sp. in cirripedes
- P. balani** (von Kölliker,1848) Tréguiboff,1912 (™)
@ *Balanus amphitrite* & *B. eburneus*
Mediterranean
- P. chthamali** (Léger & Duboscq,1909)
@ *Chthamalus stellatus*
Mediterranean
- Nematoides** Mingazzini,1891 (™ *N. fusiformis* Mingazzini,1891)
@ one named sp. in cirripedes
- Bifilida** Tuzet & Ormières,1964 (™ *B. rara* Tuzet & Ormières,1964)
@ one named sp. in cirripedes
- Gregarinidae** Labbé,1899
@ typically in intestines of insects
- Degustia** Levine,1980 (™ *Degustia hyalella* (Batten & DeGiusti,1949) Levine,1980)
@ one named sp. in amphipods
- Cirrigregarina** Levine,1980 (™ *Cirrigregarina spissa* (Henry,1938) Levine,1980)
@ 2 named sp. in cirripedes
- Molluskocystis** Levine,1980 (™ *Molluskocystis pterotracheae* (Stuart,1871) Levine,1980)
@ one named sp. in molluscs
- Metameridae** Levine,1980
@ 4 genera & 5 named species in annelids
- Metamera** Duke,1910 (™ *M. schubergi* Duke,1910)
@ 2 named sp. in leeches
- Gopaliella** Ganapati, Kalavati & Sundaram,1974 (™ *G. marphysae* Ganapati, Kalavati & Sundaram,1974)
@ one named sp. in polychaetes
- Deutomera** Bhatia & Setna,1938 (™ *D. cleava* Bhatia & Setna,1938)
@ one named sp. in intestines of polychaetes
- Cognettia** Levine,1980 (™ *Cognettia legeri* (Cognetti de Martini,1911) Levine,1980)
@ one named sp. in coelom of oligochaetes
- Didymophyidae** Léger,1892
@ beetles
- Hirmocystidae** Grassé,1953
@ insects & arachnids
- Stenophoroidea** Levine, in Lee, Hutner & Bovee,1985
= **Solitarioidea** Chakravarty,1960
- Stenophoridae** Léger & Duboscq,1904
@ millipeds
- Leidvanidae** Kudo,1954
@ intestines of insects
- Cnemidosporidae** Grassé,1953
@ intestines of millipeds
- Monoductidae** Ray & Chakravarty,1933
@ millipeds & insects
- Sphaerocystidae** Chakravarty,1960
@ insects

- Trichorhynchidae** Ormières, Marquès & Puisségur, 1977
@ centipedes
- Dactylophoridae** Léger, 1892
@ mostly in centipedes
- Stylocephalidae** Ellis, 1912
@ insects
- Actinocephalidae** Léger, 1892
@ intestines of arthropods, chaetognaths & chordates
- Actinocephalinae** Léger, 1899
@ 34 genera in insects, millipedes, opilionids, chaetognaths & chordates
- Tricystis** Hamon, 1951 (™ *T. planctonis* Hamon, 1951)
@ 2 named sp. in chaetognaths
- Thalicola** Ormières, 1965 (™ *Thalicola salpae* (Frenzel, 1885) Ormières, 1965)
@ 4 named sp. in salps
- Acanthosporinae** Léger, 1892
@ 15 genera in insects, opilionids & chilopods
- Menosporinae** Léger, 1892
@ 2 genera in insects
- Acutidae** Stejskal, 1965
@ intestines of honey bees
- Monoicidae** Geus, 1969
@ intestine of honey bee
- Fusionoidea** Stejskal, 1965
- Fusionidae** Stejskal, 1965
@ in a S American cockroach
- NEOREGARINORIDA** Grassé, 1953
@ all in insects
- Gigaductidae** Filippini, 1948
- Ophryocystidae** Léger & Duboscq, 1908
- Schizocystidae** Léger & Duboscq, 1908
- Caulervellidae** Keilin, 1914
- Syncystidae** Schneider, 1886
- Lipotrophidae** Grassé, 1953
- Incertae sedis**
- Sawayella** Marcus, 1939 (™ *S. polyzoorum* Marcus, 1939)
@ one named sp. in midgut of marine bryozoa
* probably not a neogregarine (Grassé, 1953)
- COCCIDIASINA** Leuckart, 1879
@ chiefly vertebrate parasites
* an undescribed species in the epithelial cells of the digestive gland of *Antalis entale* is reported from N Bretagne by Arvy, 1949
* an unidentified species, probably belonging in Aggregatidae or Caryotrophidae, was reported from Swedish waters in *Boreohydra simplex* by Nyholm, 1963
* Lihling, 1942 described in detail, without giving it a name, a species from the gut of *Priapulius caudatus* & *Halicryptus spinulosus*
- Hyalosphaera** Dogiel, 1906
* To which family does this belong?
- H. gregarinicola** Dogiel, 1906
@ *Urospora chironomae*
?Murmansk
- Piridium** Patten, 1936
* To which family does this belong?
- P. sociabile** Patten, 1936
@ in subepithelial connective tissue of ventral part of foot in *Buccinum undatum*
Öresund, England
- AGAMOCCIDIORIDA** Levine, 1979
- Rhynchocystidae** Levine, 1979
* only one genus known
- Rhynchocystis** Henneguy, 1907
= *Dehonia* Parchet-Henneré, 1972
@ 3 named sp. in marine annelids
- R. opheliae** Henneguy, 1907 (™)
@ *Ophelia bicornis*
?
- R. henneguyi** de Beauchamp, 1913
@ gut epithel of *Ophelia neglecta*
Roscoff
- PROTOCCIDIORIDA** Kheisin, 1956
- Eleutheroschizonidae** Chatton & Villeneuve, 1936
- Eleutheroschizon** Brasil, 1906
@ 2 named sp. in intestinal lumen of marine polychaetes
- E. murmanicum** Awerinzew, 1908
@ *Ophelia limacina*
Murmansk
- E. duboscqi** Brasil, 1906 (™)
@ intestines of *Scoloplos armiger* & *Protoarcia oerstedii*
Engl. Channel
- Grelliidae** Levine, 1973
@ 6 genera & 12 sp. in annelids
- Grellia** Levine, 1973
@ 2 named sp. in coelom of archannelids & polychaetes
- G. dinophili** (Grell, 1953) Levine, 1973 (™)
@ coelom of *Dinophilus gyrocolitatus*
- Coelotropha** Henneré, 1963 (™ *C. vivieri* Henneré, 1963)
@ 2 named sp. in coelom of polychaetes
- Myriospora** Lermantoff, 1913
@ 4 named sp. in polychaetes
- M. trophoniae** Lermantoff, 1913 (™)
@ *Stylaroides plumosus*
Gulf of Naples
- Myriosporides** Henneré, 1966 (™ *M. amphigenae* Henneré, 1966)
@ one named sp. in polychaetes
- Defretinella** Henneré, 1966 (™ *D. eulaliae* Henneré, 1966)
@ one named sp. in polychaetes
- Mackinnonia** Janiszewska, 1963 (™ *M. tubificis* Janiszewska, 1963)
@ 2 named sp. in oligochaetes
- EUCOCCIDIORIDA** Léger & Duboscq, 1910
- ADELEORINA** Léger, 1911
- Adeleidae** Mesnil, 1903
@ 6 genera & 38 named sp. in invertebrates
- Adelea** Schneider, 1875 (™ *A. ovata* Schneider, 1875)
@ 4 named sp. in chilopods & molluscs
- Adelina** Hesse, 1911 (™ *A. octospora* Hesse, 1911)
@ 17 named sp. in annelids, chilopods, priapuloids & insects
- Klossia** Schneider, 1875 (™ *K. helicina* Schneider, 1875)
@ 9 named sp. in molluscs & perhaps birds & mammals
- K. tellinae** Buchanan, 1979
@ in epithelial cells of the kidney of *Tellina tenuis*
Scotland
- Orcheobius** Schuberg & Kunze, 1906 (™ *O. herpobdellae* Schuberg & Kunze, 1906)
* 3 named sp.
- Legerellidae** Minchin, 1903
@ 1 genus & 6 named sp. in insects, diplopods or nematodes
- Legerella** Mesnil, 1900 (™ *Legerella nova* (Schneider, 1881) Mesnil, 1900)
- Haemogregarinidae** Léger, 1911 = **Adelaidae** Léger, 1911
* 3 genera & 378 named sp.
- Cyrrilia** Lainson, 1981 (™ *C. gomesi* (Neiva & Pinto, 1926) from *Synbrachus marmoratus*)
- C. uncinata** (Kahn, 1978)
@ erythrocytes of *Lycodes vahlii*
?
- Haemogregarina** Danilewsky, 1885 (™ *H. stepanowi* Danilewsky, 1885)
@ 301 named sp. in blood cells of fish, reptiles, amphibians, leeches or arthropods
- H. delagei** Laveran & Mesnil, 1902
@ erythrocytes of *Raja* spp.
Engl. Channel, Millport
- H. cataphracti** Henry, 1913 (nomen nudum)
@ Blood of *Agonus cataphractus*
Plymouth
- H. anarrhichadis** Henry, 1912
@ blood corpuscles of *Anarrhichas lupus*
Shetlands
- H. cotti** Brumpt & Lebaillly, 1904
@ erythrocytes of *Taurulus bubalis* & *Myoxocephalus scorpius*
Engl. Channel
- H. aeglefini** Henry, 1913
@ blood of *Melanogrammus aeglefinus*
Shetlands
- H. pollachi** Henry, 1913 (nomen nudum)
@ blood of *Pollachius pollachius*
Isle of Man
- H. callionymi** Brumpt & Lebaillly, 1904
@ blood corpuscles of *Callionymus lyra*
Engl. Channel
- H. bothi** Lebaillly, 1905
@ blood corpuscles of *Rhombus maximus* (= *Bothus rhombus*)
Engl. Channel
- H. quadrigemina** Brumpt & Lebaillly, 1904
@ blood of *Callionymus lyra*
Engl. Channel
- H. laternae** Lebaillly, 1904
@ erythrocytes of *Arnoglossus laterna*
Engl. Channel
- H. minuta** Neumann, 1909
@ blood of *Pomatoschistus minutus*
Mediterranean
- H. blanchardi** Brumpt & Lebaillly, 1904
@ blood corpuscles of *Gobius niger*
Engl. Channel
- H. gobii** Brumpt & Lebaillly, 1904
@ blood of *Gobius niger*
Engl. Channel
- H. zeugopteri** Henry, 1913 (nomen nudum)
@ blood of *Zeugopterus punctatus*
Isle of Man
- H. flesi** Lebaillly, 1904
@ blood corpuscles of *Platichthys flesus*
Engl. Channel, Millport
- H. platessae** Lebaillly, 1904
@ blood corpuscles of *Pleuronectes platessa* & *Microcephalus kitt*
Shetlands, Engl. Channel

- H. labri* Henry, 1913 (nomen nudum)
@ blood of *Labrus bergylla*
Isle of Man
- H. simondi* Laveran & Mesnil, 1901, em. Kirmse, 1979
@ blood of *Solea solea*
Engl. Channel
- H. clavata* Neumann, 1909
@ blood of *Solea lutea*
Plymouth, Gulf of Naples
- H. bigemina* Laveran & Mesnil, 1901
@ blood of *Blennius* spp., *Zoarces viviparus* & many other species
Engl. Channel, N America, S Africa, S Pacific
- H. polypartita* Neumann, 1909
@ blood of *Gobius paganellus*
Plymouth
- H. sachai* Kirmse, 1978
@ blood of *Scophthalmus maximus*
Scotland
- H.* sp.
@ *Raja batis*
Engl. Channel
- H.* sp.
@ *Scyllium catulus*
Engl. Channel
- H.* sp. : Coles, 1914
@ blood of *Trachinus vipera*
Engl. Channel
- ?*H.* sp. : Henry, 1913
@ blood of *Scomber scombrus*
Engl. Channel
- Klossiellidae Smith & Johnson, 1902
@ mammal kidneys
- EIMERIORINA Léger, 1911
- Cardiosporidium* van Gaver & Stephan, 1907
* Which family, if belonging in this suborder?
- C. cionae* van Gaver & Stephan, 1907
@ *Ciona intestinalis*
?
- Spirocystidae Léger & Duboscq, 1915
@ the only sp. in *Lumbriculus variegatus*
- Selenococciidae Poche, 1913
- Selenococcidium* Léger & Duboscq, 1910
* one named sp.
- S. intermedium* Léger & Duboscq, 1910 (TM)
@ intestinal lumen & epithelium of *Homarus gammarus*
?Norway, Mediterranean
- Dobelliidae Ikeda, 1914
- Dobellia* Ikeda, 1914
* one named sp.
- D. binucleata* Ikeda, 1914 (TM)
@ intestinal mid gut epithelium of the sipunculan *Nephasoma minuta*
?Plymouth
- Aggregatidae Labbé, 1899
@ 7 genera & 29 named sp. in marine invertebrates
* A coccidian similar to *Pseudoklossia pectinis* parasitizes in the renal epithelium of *Ostrea edulis* from Auray, France, sensu Tigé & al., 1977
- Aggregata* Frenzel, 1885
= *Euccoccidium* Lühe, 1902
@ 17 named sp. in decapod crustaceans (merogony) & cephalopoda (gametogony)
- A. eberthi* (Labbé, 1895)
= *A. arcuata* ?1??? = *A. frenzeli* ?1??? = *A. mamillana* ?1???
= *A. mingazini* ?1??? = *A. minima* ?1??? = *A. portunidarum* ?1???
@ sporogony & merogony in intestine of e.g. *Liocarcinus depurator* & *L. arcuatus*, *L. holsatus* & *Necora puber*;
gametogony in intestine of *Sepia officinalis*
Roscoff, Mediterranean, German Bight
- A. coelomica* (Léger, 1901)
@ *Pinnotheres pisum* & *P. pinnotheres*; cephalopodan host unknown
Engl. Channel, Spain
- A. octopiana* (Schneider, 1875) Frenzel, 1885 (TM)
= *A. duboscqi* Moroff, 1908
= *A. reticulosa* ?1???
@ *Octopus vulgaris*; crustacean host : ?
Roscoff, Mediterranean
- A. vagans* Léger & Duboscq, 1903
@ *Pagurus prideauxi*, *P. cuanensis* & *P. sculptimanus*; cephalopodan host unknown
Engl. Channel, Mediterranean
- A. spinosa* Moroff, 1906
= *A. jacquemeti* ?1??? = *A. labbei* ?1??? = *A. legeri* ?1???
= *A. ovata* ?1??? = *A. reticulosa* ?1??? = *A. schneideri* ?1???
= *A. siedleckii* ?1??? = *A. stellata* ?1???
@ *Octopus vulgaris*; crustacean host unknown
Europe
- A. sepiiae* (Lancaster, 1863)
= *Monocystis sepiiae* Lancaster, 1863
@ ?*Sepia*
?Europe
- A. inachi* Smith, 1905
@ e.g. *Inachus dorsettensis*; cephalopod host unknown
Mediterranean
- A.* sp. : Theodoridès & Desportes, 1975
@ e.g. *Sergestes arcticus*, *Pasiphaea sivado* & *P. multidentata*
Mediterranean
- A.* sp.
@ *Homarus gammarus*
Roscoff
- A.* sp.
@ *Carcinus maenas*
Engl. Channel
- A.* sp.
@ *Inachus phalangium*
Roscoff
- A.* sp.
@ *Pachygrapsus narmoratus*
Mediterranean
- Angeiocystis* Brasil, 1904
@ one named sp. in hearts of polychaetes
- A. audouinia* Brasil, 1904 (TM)
@ *Audouinia tentaculata*
Engl. Channel
- ?*A.* sp.
@ *Hediste diversicolor*
Roscoff
- Meroecystis* Dakin, 1911
* one named sp. (apparently at least 2)
- M. kathae* Dakin, 1911 (TM)
@ *Buccinum undatum*
Øresund, Kattegatt, North Sea, Isle of Man
- M. tellinovum* Buchanan, 1979
@ germ cells of female *Tellina tenuis*
Millport
- Pseudoklossia* Léger & Duboscq, 1915
@ 5 named sp. with known stages in molluscs
- P. chitonis* Debaisieux, 1920
@ digestive gland cells of *Acanthochiton fasciularis*
Engl. Channel
- P. patellae* Debaisieux, 1920
@ *Patella vulgata*
Engl. Channel
- P. pelseeneeri* (Léger, 1897)
@ nephridia of *Macoma balthica* & *Donax vittatus*
Engl. Channel
- P. pectinis* Léger & Duboscq, 1917
@ kidney of *Pecten maximus*
Roscoff
- P. glomerata* Léger & Duboscq, 1915 (TM - Mediterranean)
@ *Tapes floridus* & *T. virgineus*
Mediterranean
- Grasseella* Tuzet & Ormières, 1960 (TM G. *microcosmi* Tuzet & Ormières, 1960)
@ one named sp. in ascidians
- Ovivora* Mackinnon & Ray, 1937
@ one named sp. in echiuroids
- O. thalassemae* (Lankester, 1885) Mackinnon & Ray, 1937 (TM)
@ eggs of *Thalassema neptuni*
Plymouth
- Selysina* Duboscq, 1917
@ 3 named sp. in ascidians
- S. perforans* Duboscq, 1917 (TM)
@ *Stolonica socialis*
Roscoff
- S. incerta* Duboscq & Harant, 1923
@ *Sydinium elegans*
Roscoff
- S. duboscqui* ?1???
@ *Polycarpa pomaria*
?
- Caryotrophidae Lühe, 1906
@ 2 genera & 2 sp. in polychaetes
- Caryotropha* Siedlecki, 1902
- C. mesnili* Siedlecki, 1902 (TM)
@ *Eupolymania nebulosa*
Wimereux, Mediterranean
- Dorisiella* Ray, 1930
- D. scolelepidis* Ray, 1930 (TM)
@ gut epithel of *Malacoceros fuliginosus*
Plymouth
- Cryptosporidiidae Léger, 1911
@ mammals & birds
- Pfeifferinellidae Grassé, 1953
@ 1 genus & 2 sp. in Mollusca
- Pfeifferinella* von Wasielowski, 1904 (TM P. *ellipsoides* von Wasielowski, 1904)
@ 2 named sp. in molluscs
- Lankesterellidae Nöller, 1920
@ Vertebrata
- Eimeriidae Minchin, 1903
@ 16 genera, chiefly in vertebrates, but some in invertebrates
- Caryospora* Léger, 1904 (TM C. *simplex* Léger, 1904)
- C. cheloniae* Leibovitz, Rebell & Boucher, 1976
@ *Chelonia mydas*
Grand Cayman

Crystallospora Labbé,1896

C. crystalloides (Thélohan,1893) Labbé,1896
= *Eimeria crystalloides* : Auctt.
@ intestine of *Gaidropsaurus mediterraneus* & *G. vulgaris*
Roscoff, W France, Mediterranean

Eimeria A. Schneider,1875 (TM *Eimeria falciformis* (Eimer,1870) Schneider,1875)
= *Coccidium* Leuckart,1879
@ >1050 sp. in vertebrates & invertebrates

E. ?beauchampi Léger & Duboscq,1917
@ liver blind sac epithel of *Glossobalanus minutus*
Biscay

E. clupearum (Thélohan,1892)
@ *Clupea* & *Sprattus*
Denmark

E. ?epidermica Léger & Duboscq,1917
@ proboscis epidermis of *Glossobalanus minutus*
Gulf of Naples

E. gadi Fiebiger,1913
@ swim bladder of *Gadus*, *Melanogrammus* & *Pollachius* (appearing as a creamy yellow mass of spores contained in 26-28 µm Ø oocysts)
Denmark, Nova Scotia

E. gigantea (Labbé,1896)
@ spiral gut of *Lamna nasus*
Roscoff

E. bigemina (Labbé,1896)
@ gut of *Ammodytes tobianus*
Roscoff

E. anguillae (Léger & Hollande,1922)
@ gut of *Anguilla anguilla*
Corsica

E. variabilis (Thélohan,1893) Reichenow,1921
@ gut epithel cells of *Anguilla anguilla*, *Gobius paganellus*, *Crenilabrus melops*, *Taurulus bubalis* & *Lepidogaster gouani*
Roscoff

E. sardinae (Thélohan,1892)
= *E. oxyispora* Dobell,1919
@ male sex glands of *Sprattus sprattus*, *Clupea harengus* & *Sardina pilchardus* & other clupeoids
Denmark, White Sea, W Europe, W France

E. gasterostei (Thélohan,1890)
@ liver of *Gasterosteus aculeatus*
Vilaine

E. motellae (Labbé,1893)
@ gut & pylorus blind sacs of *Gaidropsaurus mediterraneus*
Roscoff

E. thelohani (Labbé,1896)
@ liver of *Labrus* sp.
?

E. raiaarum ??,19??
@ gut of *Raja batis*
?

E. ivanae Lom & Dyková,1981
@ pyloric caeca of *Serranus cabrilla*
Mediterranean

E. dingleyi ??,19??
@ gut of *Blennius pholis*
?

E. phocae Hsu, Melby & Altman,1974
@ *Phoca vitulina concolor*
Maine

E. lari ??,1???
@ intestinal epithelium of *Larus argentatus*
?

E. somateriae Christiansen,1952
@ kidney epithelium of *Somateria mollissima*
Denmark

E. bucephalae Christiansen & Madsen,1948
@ causing summer mortalities among *Bucephala clangula*
Denmark

E. cruciata Thélohan,1892
@ liver of *Trachurus trachurus*
?

E. sp. : MacKenzie,1978
@ liver of *Micromesistius poutassou*
off NE Scotland

E. sp. : Debaisieux,1919
@ salivary gland cells of *Acanthochiton fascicularis*
Plymoth

Epieimeria Dyková & Lom,1981

E. isabellae Dyková & Lom,1981
@ *Conger conger*
Mediterranean

Goussia Labbé,1896

G. lucida (Labbé,1893) Labbé,1896
= *Eimeria lucida* : Auctt.
@ posterior part of intestine of *Scyliorhinus canicula*, *Squalus acanthias* & *Mustelus vulgaris*
Roscoff, Mediterranean

G. luciae Lom & Dyková,1982
@ *Mullus barbatus*
France

G. clupearum (Thélohan,1894) Labbé,1896
= *Eimeria clupearum* : Auctt.
@ liver of *Clupea harengus*, *Sprattus sprattus*, *Sardina pilchardus*, *Scomber scombrus* & *Engraulis encrasicolus*
Roscoff, W France, London fish-market

G. cruciata (Thélohan,1892) Labbé,1896
= *Eimeria cruciata* : Auctt.
@ liver of *Trachurus trachurus*
Engl. Channel, W France

G. gadi (Fiebiger,1913) Grassé,1953
= *Eimeria gadi* Fiebiger,1913
@ swimbladder of *Gadus morhua*, *Melanogrammus aeglefinus* & *Pollachius virens*
?Baltic, North Sea, Faeroes, Iceland, Nova Scotia

G. caseosa Lom & Dyková,1981
@ *Macrourus berglax*
?

G. spraguei Morrison & Poynton,1989
@ kidney tubules of *Gadus morhua*
Canada

Isoispora Schneider,1881 (TM *I. rara* Schneider,1881)
= *Diploispora* Labbé,1893
* 207 sp., usually in vertebrates

Sarcocystidae Poche,1913
@ mammals & birds

Sarcocystinae Poche,1913

Sarcocystis Lankester,1882

S. sp. : Cowan 1966 / : Owen & Kakulas,1967
@ skeletal muscles of *Globicephala melaena* & *Physeter macrocephalus*
?

Toxoplasmatinae Biocca,1957

Toxoplasma Nicolle & Manceaux,1909

T. gondii ??,19??
@ *Phoca vitulina richardi* & California Sea Lion
Alaska

HAEMOSPORORINA Danilewsky,1885

Plasmodiidae Mesnil,1908
@ chiefly mammals, birds, reptiles & amphibians

Mesnilium Misra, Haldar & Chakravarty,1972 (TM *M. malariae* Misra, Haldar & Chakravarty,1972)
@ one named sp. in fish with leeches as probable vectors

PIROPLASMASINA Levine,1961
* Marine fish harbour 3 genera & - as far as known - 5 species, sensu Lom,1984

PIROPLASMORIDA Wenyon,1926

Anthemosomatidae Levine,1980
@ erythrocytes of Ethiopian rodent

Babesiidae Poche,1913
@ mammals

Theileriidae du Toit,1918
@ mammals

Dactylosomatidae Jakowska & Nigrelli,1955 emend. Levine,1971
@ 3 genera & 21 sp. in amphibians, reptiles & fish

Dactylosoma Labbé,1894 (TM *Dactylosoma ranarum* (Lankester,1882) Wenyon,1926)
@ 6 named sp. in amphibians, reptiles & fish

Haematractidium Henry,1910
* Correct family?

H. scombri Henry,1913
@ erythrocytes of *Scomber scombrus*
Irish Sea, E USA

Haemohormidium Henry,1910 (TM *H. cotti* Henry,1910)
@ 14 named sp. in fish, reptiles & amphibians

H. beckeri So,1972
@ 4 species of perciform fishes; vectors : *Johanssonia arctica* & *Platybella obritii*
Labrador

Incertae sedis

Cristalloidophora Dehorne,1934 (TM *C. dodecaceriae* Dehorne,1934)
* one named sp.

Toxocystis Léger & Duboscq,1910
@ one named sp. in marine decapods

T. homari Léger & Duboscq,1910 (TM)
@ rear gut blind sac of *Homarus gammarus* & *Pagurus prideauxi*
Engl. Channel, W France, Mediterranean

Trophosphaera Le Calvez,1939 (TM *T. planorbilinae* Le Calvez,1939)
@ one named sp. in Foraminifera

Globidiellum Brumpt,1913 (TM *Globidiellum multifidum* (Neumann,1909) Brumpt,1913)
@ one named sp. in fish

Joyeuxella Brasil,1902
@ one named sp. in annelids

J. toxoides Brasil,1902 (TM)
@ *Lagis koreni*
Calvados

Rhabdospora Laguesse,1895 (TM *R. thelohani* Laguesse,1895)
@ one named sp. in fish epithelial cells

Echinococcidium Porchet,1978 (TM *E. notomasti* Porchet,1978)
@ one named sp. in polychaetes

MICROSPORA Sprague,1977

RUDIMICROSPOREA Sprague,1977

METCHNIKOVELLIDA Vivier,1975

Metchnikovellidae Caullery & Mesnil,1914

@ 3 genera, many sp., most parasiting Eugregarina in annelids

Metchnikovella Caullery & Mesnil,1897
= *Caulleryeta* Dogiel,1922 = *Microsporidiopsis* Schereschewsky,1925

M. hovaessei Vivier,1965
@ *Lecudina pellucida* from *Perinereis cultrifera*
France

M. spionis Caullery & Mesnil,
@ *Polyrhabdina brasili* from *Spio martinensis*, *Polyrhabdina spionis* from *Malacoceros fuliginosus* & *P. bifurcata* from *Malacoceros fuliginosus*
Plymouth

M. brasili Caullery & Mesnil,
@ *Polyrhabdina brasili* from *Spio martinensis*
?

M. incurvata Caullery & Mesnil,
@ *Polyrhabdina pygospionis* from *Pygospio elegans*
?

M. oviformis Caullery & Mesnil,
@ *Polyrhabdina pygospionis* from *Pygospio elegans*
?

M. nereidis Caullery & Mesnil,
@ *Lecudina pellucida* from *Platynereis* sp.
?

M. polydora Reichenow,1932
@ *Selenidium ?cruzi* from *Polydora* sp.
Helgoland

M. selenidii Awerinzew,1908
@ *Selenidium* sp. from *Ophelia limacina*
Murmansk

M. minima Caullery & Mesnil,
@ *Selenidium cirratuli* from *Audouinia* sp.
Belle-Isle-en-mer

M. berliozii Arvy,1952
@ *Lecudina franciana* from *Phascolion strombi*
Dinard

M. caulleryi ??,19??
@ *Polyrhabdina polydora* from *Polydora flava*
?

Amphiamblys Caullery & Mesnil,1914

A. capitellidis Caullery & Mesnil,1914?
@ *Ancora* sp. from *Capitellides giardi*
?

A. capitellae Caullery & Mesnil,1914?
@ ?*Lecudina* sp. from *Capitella capitata*
?

A. ancorae Reichenow,1932
@ *Ancora sagittata* from *Capitella capitata*
Helgoland

A. caulleryi (Mackinnon & Ray,19??)
@ *Polyrhabdina ?polydora* from *Polydora flava*
?

Amphiacantha Caullery & Mesnil,1914, non Popofsky,1904, non Matsumoto,1917 (Echinodermata)
* should need a new name

A. longa Caullery & Mesnil,1914
@ *Lecudina elongata* from *Lumbrineris tingens*
?

A. ovalis Stubblefield,1955
@ *Lecudina* sp. from *Lumbrineris* spp.
California

A. attenuata Stubblefield,1955
@ *Lecudina* sp. from *Lumbrineris* spp.
California

MICROSPOREA Delphy,1963

MINISPORIDA Sprague,1972

Chytridiopsidae Sprague, Ormieres & Manier,1972
?(@ the only genus in gut wall of beetles, myriapods & snails)?

Steinhausia Sprague, Ormieres & Manier,1972

S. ovicola (Léger & Hollande,1917)
= *Chytridiopsis ovicola* Léger & Hollande,1917
@ ova in females of *Ostrea edulis*
Marennes (France)

S. mytilovum (Field,1923)
= *Haplosporidium mytilovum* Field,1923
@ ova in females of *Mytilus edulis* & *M. galloprovincialis*
Atlantic USA, Mediterranean

Chytridiopsis Schneider,1884
= *Chytridioides* Tregouboff,1913

Hesseidae Ormieres & Sprague,1973
@ the only genus infects epithelial cells of Diptera larvae

Burkeidae Sprague,1977

Buxtehudeidae Larsson,1980

MICROSPORIDA Balbiani,1882

PANSPOROBLASTINA Tuzet, Maurand, Fize, Michel & Fenwick,1971

Glugeidae Thélohan,1892

Glugea Thélohan,1891

G. anomala (Moniez,1887) Gurley,1893 (TM)
?= *G. gasterostei* Voronin,1974
?= *G. weissenbergi* Sprague & Vernick,1968

@ subcutan tissue & different organs of *Gasterosteus aculeatus*, *Pungitius pungitius* & *Pomatoschistus minutus*
& ?*Apeltes quadracus*
Baltic, Kattegatt, Bohusl. & fresh water, & ?N America

G. laverani Caullery & Mesnil,1899
@ *Malacoceros fuliginosus* & *Scoloplos armiger*
Engl. Channel

G. destruens Thélohan,1892
@ muscles of *Callionymus lyra*, *Melanogrammus aeglefinus*
?Plymouth, Roscoff, Concarneau

G. cordis Thélohan,1895
@ heart of *Sardina pilchardus*
Marseille

G. punctifera Thélohan,1895
@ Eye muscle of *Pollachius pollachius*. This is probably also the Microsporean species encountered frequently in European *Micromesistius poutassou*
W France

G. acuta Thélohan,1895
@ fin muscles of *Entelurus aequoreus* & *Syngnathus acus*
Roscoff, Concarneau

G. hertwigi Weissenberg,1911
@ subcutan tissue & different organs of *Osmerus eperlanus* & *O. mordax*
Rügen, Canada

G. stephani (Hagenmüller,1899) Woodcock,1904
@ gut wall of "0 group" of *Limanda limanda*, *Pleuronectes platessa* & 9 other flatfish species
Baltic, W Sweden, Helgoland, White Sea, Mediterranean, Black Sea, NW Atlantic

G. capverdensis Lom, Gaevskaya & Dyková,1980
@ *Myctophum punctatum*
Cape Verde

C. berglax Lom & Laird,1976
@ *Macrourus berglax*
?

G. atherinae Berrebi,1978
@ *Atherina boyeri*
French Mediterranean

Pleistophora Gurley,1893
= *Plistophora* Gurley,1893
@ e.g. muscles of fish, insects

P. ehrenbaumi Reichenow,1929
@ muscles of *Anarrhichas lupus* & *A. minor*
Baltic, North Sea

P. typicalis Gurley,1893, em. Canning & Nicholas,1980 (TM)
@ muscles & liver of *Blennius pholis*, *Taurulus bubalis*, *Myoxocephalus scorpius*, *Pungitius pungitius*
Roscoff, Concarneau

P. hippoglossoides Bosanquet,1910
@ forming whitish nodules (10 mm Ø) in fin muscles of *Hippoglossoides platessoides* & other flatfish species
North Sea

P. shiplei (Drew,1910)
@ muscles & gut of *Trisopterus luscus*
Plymouth

P. gadi Polyansky,1955
?= *P. sp.* : Drew,1909
@ muscles of *Gadus morhua*
?Iceland

P. destruens Delphy,1916
@ muscles of *Liza aurata*
Engl. Channel

P. littoralis Canning & Nicholas,1980
@ muscles of *Blennius pholis*, other blennies & cottids
Europe

P. gigantea ??,19??
@ muscles of *Crenilabrus melops*
?

P. duodecimae Lom, Gayevskaya & Dyková,1981
@ muscle fibres of *Coryphaenoides nasutus*
Atlantic Ocean

Mitoplastophora Codreanu,1966 (TM *M. angularis* Codreanu,1966)

Vavraia Weiser,1977 (TM *V. cuculis* (Weiser,1947) Weiser,1977)

Baculea Loubès & Akbarieh,1978

B. daphniae Loubès & Akbarieh,1978 (TM)
@ intestinal epitel of *Daphnia pulex*
?

Loma Morrison & Sprague,1981

L. morhua Morrison & Sprague,1981 (TM)
@ gills of *Gadus morhua*
?

L. branchialis (Nemeczek,1911) Morrison & Sprague,1981
= *Nosema branchiale* Nemeczek,1911
@ gills of *Melanogrammus aeglefinus*, *Gadus morhua* & other Gadidae
W Sweden, Vienna fish market

Pseudopleistophoridae Sprague,1977
* 2 genera

Octosporea Flu,1911 (TM *O. muscaedomesticae* Flu,1911)

O. effeminans Bulnheim & Vávra,1968
@ *Gammarus duebeni*
Elbe estuary, W Baltic

Pseudopleistophora Sprague,1977 (TM *P. szollosii* Sprague,1977)

Duboscqiidae Sprague,1977
* 2 genera

Duboscqia Pérez,1908

Trichoduboscqia Léger,1926

Thelohaniidae Hazard & Oldacre,1975
* 13 genera

Thelohania Henneguy,1892
= *Orthohelohania* Codreanu & Codreanu-Balcescu,1974

T. giardi Henneguy,1892
@ muscles of *Crangon crangon*
Engl. Channel

T. hereditaria Bulnheim,1971
@ ovary of *Gammarus duebeni*
Bornholm, Elbe estuary

T. maenadis Pérez,1904
@ muscles of *Carcinus maenas*
Arcachon

T. paguri ?Pérez,1927?
@ *Pagurus bernhardus*
France

T. baueri Voronin,1974
@ 3- & 9-spined sticklebacks
?

T. sp. : Mercier,1906
@ body muscles & heart muscle of *Talitrus sp.*
Roscoff

Indosporus Overstreet & Weidner,1974

I. octospora (Henneguy,1892)
= *Telohania octospora* Henneguy,1892
= *Indosporus spraguei* Overstreet & Weidner,1974 (TM)
@ *Palaemon serratus*, *P. elegans* & *Palaemon rectirostris*
Roscoff, Plymouth, W France

Ormieresia Viviarès, Bouix & Manier,1977

O. carcini Viviarès, Bouix & Manier,1977 (TM)
@ *Carcinus mediterraneus* Czerniavsky,1884
Mediterranean

Burenellidae Jouvenaz & Hazard,1978
* 2 genera

Amblyosporidae Weiser,1977
@ 3 genera in Diptera larvae

Culicosporidae Weiser,1977
* 2 genera, probably lacking marine species.

Gurlevidae Sprague,1977

Gurleya Doflein,1898
= *Marssoniella* Lemmermann,1900

G. nova Hovasse,1950
@ hyperparasite in *Spirobuetschliella chattoni* from *Pomatoceros triquetus*
Banyuls-sur-mer

Pyrotheca Hesse,1935

Stempellia Léger & Hesse,1910

S. muelleri ??,19??
@ *Gammarus* spp.
Elbe estuary

Norlevinea Vávra,1985

Episeptum Larsson,1986

Telomyxidae Léger & Hesse,1910
* 4 genera

Berwaldia Larsson,1981

B. singulais Larsson,1981 (TM)
@ *Daphnia pulex*
Skåne

Tuzetiidae Sprague, Tuzet & Maurand,1977
* 4 genera

Tuzetia Maurand & al.,1971
@ infects aquatic hosts

T. infirma (Kudo,1921)
= *Nosema infirmum* Kudo,1921 (TM)
@ Cyclopoid Copepoda

APANSPOROBLASTINA Tuzet, Maurand, Fize, Michel & Fenwick,1971

Unikaryonidae Sprague,1977
* 7 genera

Tetramicra Matthews & Matthews,1980

T. brevifilum Matthews & Matthews,1980 (TM)
@ skeletal muscles of *Scophthalmus maximus*
Britain

Unikaryon Canning & al.,1974 (TM *U. piriformis* Canning, Lai & Lie,1974)
= *Oligosporidium* Codreanu-Balcescu, Codreanu & Traciu,1981

U. mytilicolae ?Vallmitjana & Durfort,1976?
@ hyperparasite in *Mytilicola intestinalis* Steuer from *Mytilus*
Spanish Mediterranean

U. legeri (Dollfus,1912)
= *Nosema legeri* Dollfus,1912
@ hyperparasite in *Meiogymnophallus minutus* from *Cerastoderma edule* & *Gymnophallus strigatus* from razor
clams
Exe estuary, Wimereux

U. speltremae (Guyénot, Naville & Ponce,1925)
= *Nosema speltremae* Guyénot, Naville & Ponce,1925
@ *Speltrema carcini* (from *Carcinus maenas*)
* Correct genus?

Engl. Channel

Spraguidae Weissenberg,1976
* 1 genus

Spraguea Weissenberg,1976

S. lophii (Doflein,1898) Sprague,1977
= *Nosema lophii* (Doflein,1898)
@ nerve system gangliae of *Lophius piscatorium*, *L. americanus* & *L. gastrophysus*
North Sea, Iceland, Liverpool, W France, Mediterranean, E USA

Pereziiidae Loubès, Maurand, Comps & Campillo,1977
* 2 genera

Perezia Léger & Duboscq,1909

P. lankesteriae Léger & Duboscq,1909 (TM)
= *Glugea lankesteriae* : Auctt.
@ infects the gregarine *Lankesteria ascidia* from *Ciona intestinalis*
Cette (Mediterranean)

Ameson Sprague,1977
@ Includes former *Nosema* species infecting arthropods. See Sprague,1977

A. pulvis (Pérez,1905)
= *Nosema pulvis* Pérez,1905
@ muscles of *Carcinus maenas*
Arcachon

A. sp.
= *Nosema sp.* : Mercier & Poisson,1926
@ muscles of *Mysis spiritus*
Engl. Channel

A. sp.
@ *Neomysis vulgaris*
Engl. Channel

Cougourdellidae Poisson,1953
* 1 genus

Caudosporidae Weiser,1958
* 4 genera

Nosematidae Labbé,1899
* 3 genera

Ichthyosporidium Caullery & Mesnil,1905

I. giganteum (Thélohan,1895) Swarczewsky,1914
= *Glugea gigantea* Thélohan,1895
= *Plistophora labrorum* Le Danois,1910
= *Ichthyosporidium phymogenes* ?,1???
@ mesenteria of *Crenilabrus melops*
Roscoff

Nosema Nägeli,1857
@ Lepidoptera. (parasites of other hosts have been transposed to other genera)

N. frenzelinae Léger & Duboscq,1909
@ *Cephaloidophora conformis* (a gregarine) from *Pachygrapsus marmoratus*
* Should be moved to another genus. Which?
?

N. vivieri Vinckier, Devauchelle & Prensier,1970
@ monocystid gregarine living in the coelom of an unspecified nemertean
* Should be moved to another genus. Which?
Wimereux

N. marionis ?Kudo,1924?
@ *Leptothecca coris* from *Coris julis*
* Should be moved to another genus. Which?
Mediterranean

N. cotti ?,1???
@ forming 7mm Ø nodes in testes of *Taurulus bubalis*
* Should be moved to another genus. Which?
?

Hirsutosporos Batson,1983

Mirazekidae Léger & Hesse,1922
@ 2 genera in oenocytes of Oligochaeta

Jirovecia Weiser,1977

Mrazekia Léger & Hesse,1916

M. piscicola Cépède,1924
@ pylorus appendix of *Merlangius merlangus*
Bergen

Unclassified Microspora (Collective group name)

Microsporidium Balbiani,1884

M. ovoideum (Thélohan,1895) Sprague,1977
= *Nosema ovoideum* (Thélohan,1895)
@ liver of *Gaidropsaurus mediterraneus* & several other fish species
Scotland, Roscoff

M. cotti (Chatton & Courrier,1923) Lom,1984
= *Nosema cotti* Chatton & Courrier,1923
@ testis of *Taurulus bubalis*
Roscoff

ASCETOSPOREA

STELLATOSPOREA

OCCLUSOSPORIDA

Marteiliidae

Marteilia Grizel, Comps, Bonami, Cousserans, Duthoit & Le Penneç,1974

M. refringens Grizel, Comps, Bonami, Cousserans, Duthoit & Le Penneç,1974 (TM - Aber Wrach, W
Bretagne)
@ causing "Aber disease" in *Ostrea edulis*; also sporadically found in *Mytilus edulis* & *Cerastoderma edule*,
albeit the coccle inhabitant may however be another species

N & W Bretagne

M. maurini Comps, Pichot & Papagianni, 1982
@ *Mytilus galloprovincialis*
France (in mussels imported from the lagoon of Venice)

Paramarteilia Ginsburger-Vogel & Desportes, 1979

P. orchestiae Ginsburger-Vogel & Desportes, 1979 (TM)
@ *Orchestia gammarellus* (Pallas)
France

BALANOSPORIDA

Haplosporidiidae

Haplosporidium Lühe, 1900
= *Aposporidium* Caullery & Mésnil, 1899
* 23 species

H. ascidiarum Duboscq & Harant, 1923
@ *Sydnium elegans* & *Amaroucium proliferum*
Roscoff

H. tapetis Vilela, 1951
@ *Tapes decussatus*
Portugal

H. nemertis Debaisieux, 1920
@ *Lineus bilineatus*
Plymouth

H. malacobdellae Jennings & Gibson, 1968
@ *Malacobdella grossa*
Yorkshire

H. heterocirri Caullery & Mesnil, 1899
@ *Heterocirrus viridis* ?= *Dodecaceria* sp.
Engl. Channel

H. caulleryi Mercier & Poisson, 1922
@ *Neanthes fucata*
Engl. Channel

H. potamillae Caullery & Mesnil, 1905
@ *Potamilla torelli*
Engl. Channel

H. marchouxi Caullery & Mesnil, 1905
@ *Salmacina dysteri*
Engl. Channel

H. scolopli Caullery & Mesnil, 1899
@ *Scoloplos armiger*
Engl. Channel

H. mytilovum Field, 1922
@ *Mytilus edulis*
USA

H. lusitanicum Azevedo, 1984
@ *Patina pellucida*
Portugal

H. sp. : Caullery & Mesnil, 1905
@ *Eupolymnia nesidensis*
Engl. Channel

H. sp. : Duboscq & Harant, 1923
@ *Cerastoderma edule*
?

H. sp., non *Minchinia armoricana* : Vivarès & al., 1981
@ connective tissues of gills and digestive gland of *Ostrea edulis*
French Atlantic coast

Minchinia Labbé, 1896
* 4 species. May be an invalid genus; if so, *Haplosporidium* is so far the only alternative genus.

M. chitonis (Lankester, 1885)
= *Klossia chitonis* Lankester, 1885 (TM - Roscoff)
@ *Lepidochiton cinereus* (chiefly in liver)
E Scotland, SE, S & SW Britain, Dinard

M. armoricana van Banning, 1977
@ connective tissues of *Ostrea edulis*
Netherlands (import oysters from Bretagne), Bretagne

M. dentali (Arvy, 1949)
= *Haplosporidium dentali* Arvy, 1949
@ *Antalis entale*
N Bretagne

M. ascidiarum (Ormières, 1965)
= *Haplosporidium ascidiarum* Ormières, 1965
@ *Aplidium elegans* & *A. nordmanni*
?

Bonomia Pichot, Comps, Tigé, Grizel & Rabouin, 1980
* Family placement tentative

B. ostreae Pichot, Comps, Tigé, Grizel & Rabouin, 1980 (TM)
@ in cytoplasm of haemocytes of *Ostrea edulis*
?France

Anurosporidiidae

Urosporidium Caullery & Mésnil, 1905
@ hyperparasites of larval trematodes & a nematode parasiting marine bivalves
* 6 species

U. fuliginosum Caullery & Mesnil, 1905 (TM)
@ *Syllis gracilis* & *Sphaerosyllis ?erinaceus*
Engl. Channel

Anurosporidium Caullery & Chappellier, 1906

A. pelseeneeri Caullery & Chappellier, 1906 (TM)
@ cercariae (*Cercaria lutea* ?= *C. pectinata* & *Bucephalus haimeanus*) from *Donax vittatus* & *?Barnea candida*
Boulogne, ?W France

PARAMYXEA

* with one sp. only

PARAMYXIDA

Paramyxidae

Paramyxa Chatton, 1911

P. paradoxa Chatton, 1911 (TM - Banyuls-sur-Mer)
@ intestinal cells of Polychaete larvae
S France

STEPHANOPOGONOMORPHA

* Taxon incertae sedis, sensu Patterson & Zöllfel, in Patterson & Larsen, 1992

PRIMOCILIATIDA Corliss, 1974

Stephanopogonidae Corliss, 1961

Stephanopogon Entz Sr., 1884

S. colpoda Entz Sr., 1884
Kieler Bucht, Helgoland, Plymouth, Naples

S. mesnili Lwoff, 1923
Plymouth, Roscoff, Banyuls-sur-mer

S. apogon Borrer, 1965
New Hampshire

CILIOPHORA Doflein, 1901

POSTCILIODESMATOPHORA Gerassimova & Seravin, 1976

KARYORELICTEA Corliss, 1974

* all marine or brackish water living

PROTOSTOMATIDA Small & Lynn, in Lee, Hutner & Bovee, 1985

Trachelocercidae Kent, 1881

Gravelina Delphy, 1939
* incertae sedis

G. longissima Delphy, 1939 (TM)
Dinard

Trachelocerca Ehrenberg, 1833

T. entzi Kahl, 1927 (TM)
Kiel, Helgoland, Plymouth, Roscoff

T. tenuicollis Quennerstedt, 1867
Baltic, Halland, Roscoff

T. multinucleata Dragesco, 1960
Roscoff

T. binucleata Dragesco, 1960
Finistère

T. minuta Dragesco, 1960
Roscoff

T. dogieli Raikov, 1957
?

Tracheloraphis Dragesco, 1960

T. discolor Raikov, 1962
Sylt, Barents Sea, White Sea

T. phoenicopterus (Cohn, 1866) (TM)
= *Trachelocerca phoenicopterus* Cohn, 1866
Sylt, Barents Sea, Murmansk, White Sea, Plymouth, Roscoff, W Africa, Cape Cod

T. kahli Raikov, 1962
= *Trachelocerca phoenicopterus* : Kahl, 1930, : Dragesco, 1960, non Cohn, 1866
W Baltic, Kieler Bucht, Hiddensee, Königshafen, Sylt, White Sea, French Atlantic, Mediterranean, E USA

T. remanei Dragesco, 1960
Roscoff

T. drachi Dragesco, 1960
Roscoff

T. incaudatus (Kahl, 1933)
= *Trachelocerca incaudata* Kahl, 1933
* belonging to the "incaudatus" group
Kieler Bucht, Drøbak, White Sea, Yorkshire, Roscoff, Mediterranean, Black Sea, Bermuda

T. incaudatus f. *quadrimicronucleata* Raikov & Kovaleva, 1968
* belonging to the "incaudatus" group
Japan Sea

T. fasciolatus (Sauerbrey, 1928)
= *Trachelocerca fasciolata* Sauerbrey, 1928
S Baltic, Helgoland, Roscoff

T. teissieri Dragesco, 1960
Roscoff

T. prenaniti Dragesco, 1960
Roscoff

T. prenaniti f. *multicineta* Raikov & Kovaleva, 1968
Sylt, ?White Sea, French Atlantic, Mediterranean, Black Sea

T. prenaniti f. *oligocineta* Raikov & Kovaleva, 1968
White Sea, Yorkshire, Japan Sea

T. hyalinum Dragesco, 1960
Roscoff

T. similis Raikov & Kovaleva, 1968
Japan Sea

T. sarmaticus Agamaliyev & Kovaleva, 1966
?

T. swedmarki Dragesco,1960
* belonging to the "incaudatus" group
Roscoff

T. gracilis Dragesco,1960
* belonging to the "incaudatus" group
Roscoff

T. enigmaticus Dragesco,1960
Roscoff

T. griseus (Kahl,1933)
= *Trachelocerca grisea* Kahl,1933
Kieler Bucht, Roscoff

T. haloetes Borror,1973
Bahamas hypersaline waste water

T. arenicolus (Kahl,19??)
S Baltic

T. margaritatus (Kahl,1933)
S Baltic

T. coluber (Kahl,19??)
S Baltic, Helgoland

T. subviridis Sauerbrey,19??
S Baltic

T. monocaryon Dragesco,1965
* belonging to the "incaudatus" group
?

T. stephani Dragesco,1965
* belonging to the "incaudatus" group
?

Kentrophoridae Jankowski, in Lee, Hutner & Bovee,1985

Ciliofaurea Dragesco,1960
* Incertae sedis. Correct family?

C. mirabilis (Dragesco,1954)
Öresund, Sylt, Yorkshire, French Atlantic, Mediterranean

Trachelonema Dragesco,1960

T. oligostriata Raikov,1962
Sylt, White Sea, French Atlantic

T. longicollis Dragesco,1960
Roscoff

T. minima Dragesco,1960
Roscoff

T. grassei Dragesco,1960
Roscoff

Kentrophorus Sauerbrey,1928
= *Centrophorella* = *Centrophorus* (homonym)

K. fasciolatum Sauerbrey,1928
W Baltic, Kieler Bucht, Öresund, Sylt, Helgoland, Norway, White Sea, French Atlantic, W Africa,
Mediterranean, Black Sea, Cape Cod

K. lanceolatum (Fauré-Fremiet,1951)
= *Centrophorella lanceolata* Fauré-Fremiet,1951
S Baltic, Cape Cod

K. grandis Dragesco,19??
?

K. latum Raikov,1962?
Öresund, Black Sea

K. fistulosa Fauré-Fremiet,1950?
Bretagne

K. longissima
?

K. trichocystus
?

LOXODIDA Jankowski, in Lee, Hutner & Bovee,1985

Loxodidae Bütschli,1889

Loxodes Ehrenberg,1833

Remanella Kahl,1933

R. multinucleata Kahl,1933
Kieler Bucht, Sylt, White Sea, French Atlantic, Mediterranean, Black Sea

R. faurei Dragesco,1954
Sylt, French Atlantic, Mediterranean, Black Sea

R. rugosa Kahl,1933
W Baltic, Öresund, Sylt, Helgoland, N Russia, Plymouth, French Atlantic, Mediterranean, Black Sea, E USA

R. rugosa v. *unicorpusculata* Kahl,19??
S Baltic

R. unirugosa Hartwig,1973
Sylt

R. margaritifera Kahl,1933
S Baltic, Öresund, Sylt, Helgoland, Yorkshire, Plymouth, W France, Black Sea, E USA, Brazil

R. brunnea Kahl,19??, non : Dragesco,1965
S Baltic, Öresund

R. gigas Dragesco,19??
Öresund

R. minuta Dragesco,19??
Öresund

R. trichocystis Dragesco,19??
?

R. swedmarki Dragesco,19??
?

R. caudata Dragesco,19??
?

R. granulosa Kahl,19??
S Baltic

R. obtusa Fauré-Fremiet,1951
Cape Cod

Cryptopharyngidae Jankowski,1967

Cryptopharynx Kahl,1928

C. setigerus Kahl,19??
Öresund

PROTOHETEROTRICHIDA Nouzarède,1977

Geleidae Kahl,1933

Avelia Nouzarède,1977

Corlissia ?Dragesco,1960?
= *Corlissia* ?Dragesco,19??
* Incertae sedis. Family placement tentative.

C. picta (Dragesco,19??) (TM)
?

Geleia Kahl,1933

G. nigriceps Kahl,1933
Kieler Bucht, Öresund, Dröbak, N Russia, Sylt, Atlantic France, Black Sea, Bermuda

G. fossata Kahl,19??
S Baltic, Öresund, Plymouth, Cape Cod

G. orbis Fauré-Fremiet,1950
Öresund, Dröbak, Barents Sea, White Sea, Bretagne, Mediterranean, Black Sea, Cape Cod, Bermuda, Brazil

G. decolor Kahl,19??
S Baltic, Öresund, Helgoland, ?Bretagne, ?Cape Cod

G. gigas Dragesco,19??
?

G. luci Dragesco,19??
?

G. swedmarki Dragesco,19??
?

G. simplex Fauré-Fremiet,1951
Cape Cod

PROTCRUZIIDA Jankowski, in Lee, Hutner & Bovee,1985

Protocruziidae Jankowski, in Lee, Hutner & Bovee,1985

Protocruzia de Faria, da Cunha & Pinto,1922

P. pigerimma (Cohn,18??) da Cunha,19??
Plymouth

P. granulosa Kahl,19??
Helgoland

P. depressa Ammermann,1968
New Hampshire

P. tuzeti Villeneuve-Brachon,1940?
?

SPIROTRICHEA Bütschli,1889

HETEROTRICHIA von Stein,1859

HETEROTRICHIDA von Stein,1859

HETEROTRICHINA von Stein,1859

Blepharismidae Jankowski, in Lee, Hutner & Bovee,1985

Anigsteinia Isquith,1968

Blepharisma Perty,1849

B. clarissimum Anigstein,1???
Askö, Öresund, Isefjord, Cape Cod

B. clarissimum f. *arenicola* Kahl,1932
Kieler Bucht, Sylt, N Russia, Yorkshire, French Atlantic, Mediterranean, Black Sea, E USA

B. clarissimum v. *longissimum* Kahl,19??
S Baltic

B. salinarum (Florentin,1???)
Askö, S Baltic, Öresund

B. grayi Hartwig & Parker,1977
Yorkshire

B. tardum Kahl,19??
?

B. dileptus Kahl,19??
?

B. vestitum Kahl,19??
?

B. velatum Vacelet,1961
S France

B. sp. : Fenchel,1968
Öresund

Parablepharisma Kahl,1932

- P. pellitum* Kahl,19??
Kieler Bucht, Öresund, Cape Cod
- P. chlamyophorum* Kahl,19??
Öresund
- P. bacteriophaga* Villeneuve-Brachon,1940
Sylt, E USA
- P. collare* Kahl,19??
Öresund
- Pseudoblepharisma* Kahl,1926
- Climacostomidae Repak,1972
- Climacostomum* von Stein,1859
* Fresh water genus with one species occurring in brackish water
- C. virens* (Ehrenberg,18??)
Askö
- Copemetopus* Villeneuve-Brachon,1940
- C. subsalsus* Villeneuve-Brachon,1940?
?
- Fabrea* Henneguy,1890
- F. salina* Henneguy,1890?
?France
- Condyllostomatidae Kahl, in Doflein & Reichenow,1929
- Condyllostoma* Bory de St. Vincent,1826
- C. patulum* Claparède & Lachmann,1858
S Baltic, Öresund
- C. arenarium* Spiegel,1926
Askö, Hiddensee, Kieler Bucht, Öresund, Sylt, Helgoland, N Russia, Yorkshire, French Atlantic, Mediterranean, Black Sea, Mauretania, E USA, Bermuda, Brazil
- C. arenarium* f. *proturostyla* Kahl,19??
S Baltic
- C. remanei* Spiegel,1928
Askö, Kieler Bucht, Öresund, Sylt, Norway, N Russia, ?Yorkshire, French Atlantic, Mediterranean, Black Sea, E USA, Bermuda, Brazil
- C. remanei* v. *oxyura* Dragesco,1960
?
- C. fjeldi* Hartwig,1973
= *C. remanei* : Fjeld,1955, non Spiegel,1928
Sylt, Drøbak, Yorkshire
- C. patens* (O.F. Müller,1786) Dujardin,18??
= *Trichoda patens* O.F. Müller,1786
Kieler Bucht, Halland, Plymouth, Whitstable, Cape Cod
- C. acuta* Dragesco,1954
?
- C. ancestralis* Villeneuve-Brachon,1940?
?
- C. tenuis* Fauré-Fremiet,1958
Yorkshire, French Atlantic, Brazil
- C. psammophilum* Bock,1952
S Baltic
- C. enigmatica* Dragesco,1954
?
- C. caudatum* Lauterborn,1908
?
- Spirostomidae von Stein,1867
- Gruberia* von Stein,1867
- G. uninucleata* Kahl,19??
Plymouth
- G. lanceolata* (Gruber,1???)
?
- G.* sp. : Fenchel,1968
Öresund
- Spirostomum* Ehrenberg,1833
- S. teres* Claparède & Lachmann,18??
* this is the only species of the genus, which may occur in brackish water, the other species being strictly fresh water forms
Askö
- Stentoridae Carus,1863
- Stentor* Oken,1815
- S. acrobaticus* Silén,1947
* on *Fucus serratus*
Gullmarn
- Chattonidiidae Villeneuve-Brachon,1940
* not included in Snall & Lynn,1985
- Chattonidium* Villeneuve,1937
- C. setense* Villeneuve-Brachon,19?? (TM)
* in polluted brackish water
?
- COLIPHORINA Jankowski,1967
- Folliculimidae Dons,1914
- Ampulfolliculina* Hadzi,1951
- A. lageniformis* Hadzi,1951 (TM)
- = *Folliculina* (*Vorticella*) *ampulla* : Andrews,1949, non (O.F. Müller,1786)
@ oyster shells
Delaware Bay
- Ascobius* Henneguy,1884
= *Semifolliculina* Dons,1914 (p.p.)
- A. claparedi* Hadzi,1951
= *Freia ampulla* Claparède & Lachmann,1858, non *Vorticella ampulla* O.F. Müller,1786
Bergen
- A. faurefremietii* Hadzi,1951
= *Folliculina ampulla* : Fauré-Fremiet,1932, non (O.F. Müller,1786)
Aquarium in Concarnéau
- A. simplex* (Dons,1918)
= *Semifolliculina simplex* Dons,1918 = *Platycola nigra* Walles,1???
@ *Delesseria*
?Kieler Bucht, Trondheim, W France
- A. silenii* Hadzi,1951
= *Folliculina simplex* : Silén,1947, non Dons,1917
@ *Spirorbis spirorbis*
Gullmarfjord
- Atriofolliculina* Hadzi,1951
- A. andrewsi* Hadzi,1951
= *Parafolliculina amphora* : Andrews,1946, non Andrews,1941
@ *Elodea*
Chesapeake Bay
- A. hirundo* (Kent,1881-82) Hadzi,1951
?
- A. faureana* Hadzi,1951
= *Parafolliculina hirundo* Fauré-Fremiet,1936, non Kent,1881-82
?
- Aulofolliculina* Hadzi,1951
- A. labyrinthica* Hadzi,1951
@ *Serrella beaniana*
Adriatic
- Claustrofolliculina* Hadzi,1951
- C. clausa* Hadzi,1951 (TM)
Adriatic
- Diafolliculina* Hadzi,1951
- D. rotunda* Hadzi,1951
Helgoland, Adriatic
- D. similis* Hadzi,1951
@ hydroids
Adriatic
- Donsia* Hadzi,1951, non Jankowski,1967
= *Semifolliculina* Dons,1914 (p.p.)
- D. mirabilis* (Dons,1917) Hadzi,1951
= *Lagotia mirabilis* Dons,1917 (TM)
@ *Delesseria*
Drøbak, W Norway, Adriatic
- Echinofolliculina* Dons,1934 (TM *E. mortenseni* Dons,1934 - New Zealand)
- Epifolliculina* Hadzi,1951
- E. diaphana* Hadzi,1951 (TM)
Adriatic
- Eufolliculina* Hadzi,1951
- E. ampulacea* Hadzi,1951
= *Folliculina ampulla* : Lackmann,1910, non (O.F. Müller,1786)
Adriatic
- E. moebiusi* (Kahl,1932) Hadzi,1951
?
- E. latemarginata* (Hadzi,1938) Hadzi,1951
= *Folliculina latemarginata* Hadzi,1938
Adriatic
- Folliculina* Lamarck,1816
- F. ampulla* (O.F. Müller,1786)
= *Vorticella ampulla* O.F. Müller,1786 (TM)
= *Ascobius lentus* Henneguy,1884
Baltic, ?Kieler Bucht, ?Helgoland
- Folliculinopsis* Fauré-Fremiet,1936
= *Alexandrina* Hadzi,1938
- F. annulata* Fauré-Fremiet,1936
= *Alexandrina karugorgjevici* Hadzi,1937-38
@ crusts of *Lithothamnion* & tubes of *Spirorbis tridentatus*
Gullmarfjord, Adriatic
- F. moebiusi* Hadzi,1951
= *Folliculina ampulla* Möbius,1887, non (O.F. Müller,1786)
?Kieler Bucht
- F. lignicola* Fauré-Fremiet,1936
?
- Halofolliculina* Hadzi,1951
= *Freia* Claparède & Lachmann,1858, non Koch,1850 (Arachnida) = *Freya* : Auctt.
- H. elegans* (Claparède & Lachmann,1859) Hadzi,1951
= *Freia elegans* Claparède & Lachmann,1859
Norway
- H. annulata* (Andrews,1944) Hadzi,1951
= *Parafolliculina annulata* Andrews,1944
Hawaii
- Lagotia* T.S. Wright,1858
= *Angustofolliculina* Silén,1947 (TM *Folliculina spirorbis* Dons,1912 - Norway)
= *Semifolliculina* Dons,1914 (p.p.)

- L. viridis* T.S. Wright, 1858 (TM)
@ *Carcinus Liocarcinus*, serpulids, etc.
?Sweden, Norway, Britain, W France, ?Adriatic
- L. lutea* (Fauré-Fremiet, 1936) Hadzi, 1951
?
- L. flava* (Silén, 1947) Hadzi, 1951
Gullmarfjord
- L. aculeata* (Claparède & Lachmann, 1858) Hadzi, 1951
?
- L. faurefremietii* Hadzi, 1951
?
- L. expansa* (Levinsen, 1893) Hadzi, 1951
= *Filillum (?) expansum* Levinsen, 1893
@ hydroids, mollusc shells, serpulids, bryozoans, etc.
Gullmarfjord, Greenland, Adriatic
- L. gigantea* (Dons, 1914) Dons, 1934
= *Semifolliculina gigantea* Dons, 1914
* according to Hadzi, 1951 is this possibly only a form of *L. expansa* (Levinsen)
Norway, Spitsbergen
- L. abyssorum* (Giard, 1883) Hadzi, 1951
?
- L. stylifer* (T.S. Wright, 1862) Hadzi, 1951
Britain
- L. coerulea* Hadzi, 1951
= *Folliculina elegans* : Fauré-Fremiet, 1936, non Claparède & Lachmann, 1858
?
- L. obstetica* (T.S. Wright, 1862) Hadzi, 1951
= *Freya obstetica* T.S. Wright, 1862
Britain
- L. donsi* Hadzi, 1951
@ bryozoans, hydroids etc.
Adriatic
- L. minima* Hadzi, 1951
@ bryozoans, hydroids etc.
Adriatic
- L. spirorbis* (Dons, 1912) Dons, 1922
= *Folliculina spirorbis* Dons, 1912 = *Angustofolliculina spirorbis* : Silén, 1947
@ *Spirorbis spirorbis* bryozoans, etc.
Gullmarfjord, Norway, Spitsbergen, W France, Adriatic, E North America
- Latifolliculina* Hadzi, 1951
- L. incolorea* Hadzi, 1951 (TM)
= *Parafolliculina amphora* : Fauré-Fremiet, 1936, non Dons, 1914
Woods Hole aquarium tanks
- Magnifolliculina* Uhlig, 1964
* See also *Perifolliculina* Hadzi, 1951
- M. alata* Uhlig, 1964
German Bight
- M. binata* Uhlig, 1964
German Bight
- Metafolliculina* Dons, 1925
- M. andrewsi* Hadzi, 1938
Helgoland, Adriatic, E North America
- M. producta* (T.S. Wright, 1859) Dons, 1934
= *Lagotia producta* T.S. Wright, 1859
Britain
- M. longicollis* Hadzi, 1938
= *M. producta* : Silén, 1947, non (T.S. Wright, 1859)
W Sweden, Adriatic
- M. elongata* (S.M. Das, 1949) Hadzi, 1951
Britain
- M. nordgardi* Dons, 1925 (TM)
W Sweden-Trondheimsfjord
- Mirofolliculina* Dons, 1927
= *Microfolliculina* : Auctt.
- M. limnorae* (Giard, 1883) Dons, 1927
= *Freya limnorae* Giard, 1883 (TM)
@ telson of *Limnoria*
Gullmarfjord, Denmark, Trondheim, W France
- Pachyfolliculina* Hadzi, 1951
- P. gunneri* (Dons, 1927) Hadzi, 1951
= *Folliculina gunneri* Dons, 1927 (TM)
@ oostegites of *Limnoria lignorum* & their tunnels & crabs
Gullmarfjord, Trondheim, W France
- Parafolliculina* Dons, 1914
- P. amphora* Dons, 1914
Gullmarfjord, N Norway, Iceland, W France, Adriatic
- P. violacea* (Giard, 1888) Dons, 1914
= *Folliculina violacea* Giard, 1888 = *Folliculina telesto* Laackmann, 1910
Gullmarfjord, S Norway, W France, Adriatic, Woods Hole
- P. labiata* Dons, 1942
?Norway
- P. glutinata* Hadzi, 1951
Adriatic
- P. americana* Hadzi, 1951
= *P. amphora* Andrews, 1941, non Dons, 1914
@ *Elodea*
Chesapeake Bay
- Pebrilla* Giard, 1888
- P. paguri* Giard, 1888 (TM)
?
- Pedifolliculina* Hadzi, 1951
- P. arctica* (Dons, 1915) Hadzi, 1951
= *Pseudofolliculina arctica* Dons, 1915 (TM)
Tromsø
- Perifolliculina* Hadzi, 1951
- P. roestensis* (Dons, 1931) Hadzi, 1951
= *Parafolliculina roestensis* Dons, 1931 (TM)
* Sensu Uhlig, 1964 should this species go to *Magnifolliculina* Uhlig
Lofoten, German Bight
- Planifolliculina* Hadzi, 1951
- P. cumbens* Hadzi, 1951 (TM)
@ Rhodophyceae, Phaeophyceae, *Posidonia* & Bryozoa
* more common then, and easily confused with *Parafolliculina amphora*
Adriatic
- Platyfolliculina* Hadzi, 1938
- P. sahrageana* Hadzi, 1938 (TM)
Kieler Bucht
- P. paguri* Andrews & Reinhard, 1943
@ abdomen of *Pagurus pubescens*
?
- Pseudofolliculina* Dons, 1914 (TM *Folliculina melitta* Laackmann, 1910 - Antarctic)
- Splitofolliculina* Hadzi, 1951
- S. adherens* Hadzi, 1951
Adriatic
- S. longicollis* Hadzi, 1951
Adriatic
- Stentofolliculina* Hadzi, 1938
- S. tubicola* Hadzi, 1938 (TM)
Adriatic
- Tapetofolliculina* Andrews & Nelson, in Hadzi, 1951
- T. portitor* Andrews & Nelson, in Hadzi, 1951
@ on turbellarian egg capsules on gills of *Limulus*
E North America
- Valletofolliculina* Andrews, 1953
- V. bicornis* Andrews & Reinhard, 1953 (TM)
German Bight, California
- CLEVELANDELLIDA de Puytorac & Grain, 1976
- Clevelandellidae Kidder, 1938
- Clevelandella* Kidder, 1938
- Nyctotheridae Amaro, 1972
- Nyctotherus* Leidy, 1849
- Nyctotheroides* Grassé, 1928
- Metanyctotherus* Albaret, 1970
- Pronyctotherus* Albaret & Njinié, 1976
- Sicuophoridae Amaro, 1972
- Metasicuophora* Albaret, 1973
- Parasicuophora* Albaret, 1968
- Prosicuophora* de Puytorac & Oktem, 1967
- Sicuophora* de Puytorac & Grain, 1969
- PLAGIOTOMIDA Albaret, 1974
- Plagiotomidae Bütschli, 1887
- Plagiotoma* Dujardin, 1841
- ARMOPHORIDA Jankowski, 1964
- Metopidae Kahl, 1927
- Bothrostoma* Stokes, 1887
- Brachonella* Jankowski, 1964
- Eometopus* Small & Lynn, in Lee, Hutner & Bovee, 1985
- Metopus* Claparède & Lachmann, 1858
- M. contortus* (Quennerstedt, 1867)
= *Metopides contorta* Quennerstedt, 1867
Askö, S Baltic, Öresund, Isefjord, Halland, W Kattegatt, Limfjorden
- M. contortus* v. *pellitus* Kahl, 19??
Kieler Bucht
- M. vestitus* Kahl, 19??
Öresund
- M. verrucosus* (Cunha, 1???)
Öresund
- M. sigonoides* Claparède & Lachmann, 18??
Öresund
- M. brachoni* Fenchel, 1968
= *M. vestitus* : Villeneuve-Brachon, 1940, non Kahl, 19??
?

- M. halophilus* Kahl,19??
Öresund
- M. sigmoides* ?Stein,18??
* fresh water species
Baltic (Wismar)
- Palmarella* Jankowski,1975
- Parametopus* Grolière, de Puytorac & Grain,1980
- Tesnospira* Jankowski,1964
- Caenomorphidae Poche,1913
- Caenomorpha* Perty,1852
- C. levanderi* Kahl,19??
Askö, Öresund, Isefjord, Kattegatt
- Cirranter* Jankowski,1964
- Ludio* Penard,1922
- PHACODINIIDA Small & Lynn, in Lee, Hutner & Bovee,1985
- Phacodiniidae Corliss,1979
- Phacodinium* Prowazek,1900
- Transitella* Gellért,1950
- LICNOPHORIDA Corliss,1957
- Licnophoridae Bütschli,1887
- Licnophora* Claparède,1867
- L. auerbachi*
@ ectoparasite on eyes of *Aequipecten opercularis* (& may rarely be found also on *Pecten maximus* & *Chlamys varia*)
Ireland
- L. sp.* : Fenchel,1965
@ *Thyasira sarsi* (Philippi) (& *Abra nitida* - maybe another species)
Gullmarfjord
- ODONTOSTOMATIDA Sawaya,1940
- Epaxellidae Corliss,1960
- Atopodinium* Kahl,1932
- Epaxella* Corliss,1960
- Saprodinium* Lauterborn,1908
- S. halophilum* Kahl,19??
Askö, Öresund, Kattegatt
- Discomorphellidae Corliss,1960
- Discomorphella* Corliss,1960
- Mylestomatidae Kahl, in Doflein & Reichenow,1929
- Mylestoma* Kahl,1928
- M. bipartitum* Gourret & Roeser,19??
Öresund
- PERITROMIDA Jankowski, in Lee, Hutner & Bovee,1985
* Incertae sedis.
- Peritromidae von Stein,1867
- Peritromus* von Stein,1862
- P. faurei* Kahl,1932
Kieler Bucht, Öresund, Sylt, Norway, White Sea, Yorkshire, French Atlantic, Mediterranean, Black Sea, E USA, Bermuda
- P. californicus* Kirby,1???
Plymouth
- P. emmae* von Stein,18??
Plymouth
- P. kahli* Villeneuve-Brachon,19??
?
- P. montanus* Kahl,19??
?
- CHOREOTRICHIA Small & Lynn, in Lee, Hutner & Bovee,1985
- CHOREOTRICHIDA Small & Lynn, in Lee, Hutner & Bovee,1985
- TINTINNINA Kofoid & Campbell,1929
- Ascampbelliellidae Corliss,1964
- Acanthostomella* Jørgensen,1927
- A. elongata* Kofoid & Campbell,1929
Arctic Seas
- A. gracilis* (Brandt,1896)
Greenland
- A. norvegica* (von Daday,1887) (TM)
= *Cyrtarecyllis norvegica* : Auctt.
Kattegatt, Skagerrak, W Norway, North Sea, Barents Sea, Greenland, English Channel
- Ascampbelliella* Corliss,1960
= *Craterella* Kofoid & Campbell,1929, non Schrammen,1901 (Spongiaria)
- A. obscura* (Brandt,1906)
N North Atlantic
- A. urceolata* (Ostenfeld,1899)
Greenland, N North Atlantic
- Codonellidae Kent,1882
- Poroecus Cleve,1902
- P. apiculatus* (Cleve,1900)
N North Atlantic
- P. curtus* Kofoid & Campbell,1929
N North Atlantic
- Tintinnopsis* von Stein,1867
- T. acuminata* von Daday,1887
Baltic, Kattegatt, Skagerrak, Norway, North Sea, Britain, Biscay
- T. amphora* Kofoid & Campbell,1929
W Sweden, S Europe
- T. angusta* Meunier,1910
Arctic Seas
- T. annulata* (Claparède & Lachmann,1858)
= *Tintinnus annulata* Claparède & Lachmann,1858
Norw. Sea
- T. baltica* Brandt,1896
= *T. vasculum* Meunier,1919
= *T. strigosa* Meunier,1919
* May be a synonyme of *Tintinnopsis lobiancoi* von Daday
Baltic, Kattegatt, Bohusl., S North Sea, Southampton, Barents Sea, S Europe
- T. beroidea* von Stein,1867
Kattegatt, Skagerrak, S North Sea, Zuiderzee, Barents Sea, Plymouth, Mediterranean, all N Atlantic
- T. brandtii* (Nordqvist,1890)
= *Codonella brandtii* Nordqvist,1890
Baltic, Kattegatt, Skagerrak, Norway
- T. campanula* (Ehrenberg,1840)
Baltic, Kattegatt, Bohusl., Oslofjord, Skagerrak, SE North Sea, Zuiderzee, Southampton, Barents Sea, Mediterranean
- T. campanula* (Ehrenberg,1840), var. *cincta* (Claparède & Lachmann,1858)
Baltic, Kattegatt, Skagerrak, W Norway, Netherlands, Mediterranean
- T. campanula* (Ehrenberg,1840), var. *buetschlii* von Daday,1887
W Norway, ?Skagerrak, Zuiderzee, Mediterranean
- T. campanula* (Ehrenberg,1840), var. *cyathus* von Daday,1887
Baltic, Norway, North Sea, Engl. Channel, S Europe
- T. cochleata* (Brandt,1906)
Baltic, Kattegatt, ?Skagerrak
- T. compressa* von Daday,1887
Irminger Sea, S Europe
- T. cylindrica* von Daday,1887
Baltic, Norway, Southampton, Plymouth
- T. ecaudata* Kofoid & Campbell,1929
Norway
- T. everta* Kofoid & Campbell,1929
Baltic
- T. fennica* Kofoid & Campbell,1929
Baltic, Kattegatt, ?Skagerrak
- T. fimbriata* Meunier,1919
= *Tintinnopsis ventricosa* Levander,1???
Kieler Bucht, SW North Sea, Zuiderzee, Barents Sea
- T. incurvata* Meunier,1910
Arctic Seas, S Europe
- T. karajacensis* Brandt,1896
= *T. beroidea* von Stein,1867, var. *rotundata* Jørgensen,1899
* May be a synonyme of *Tintinnopsis lobiancoi* von Daday
Baltic, Kattegatt, Skagerrak, Bohusl., Norway, Southampton, Barents Sea
- T. lata* Meunier,1910
* May be a synonyme of *Tintinnopsis lobiancoi* von Daday
Bohusl., Arctic Seas, Plymouth, S Europe
- T. lobiancoi* von Daday,1887
S North Sea, Southampton
- T. magna* Merkle,1909
?Kattegatt, Skagerrak, Norway
- T. major* Meunier,1910
Baltic, Norway, Arctic Seas
- T. meunieri* Kofoid & Campbell,1929
* Possibly a synonym of *Tintinnopsis fimbriata* Meunier
Baltic, Kattegatt, Skagerrak, North Sea, Arctic Seas
- T. minuta* Wailes,1925
* Possibly a synonym of *Tintinnopsis nana* Lohmann
Limfjorden, S Europe
- T. nana* Lohmann,1908
= *Tintinnopsis fistularis* Meunier,19??
Kieler Bucht, Zuiderzee, S Europe
- T. nitida* Brandt,1896
Baltic, Norway, Barents Sea, Greenland
- T. nucula* (Fol,1884)
Baltic, Kattegatt, Skagerrak, North Sea, Norway
- T. parva* Merkle,1909
Baltic, N Kattegatt, Bohusl., S Europe
- T. parvula* Jørgensen,1912
Baltic, Kattegatt, Bohusl., SW North Sea, Barents Sea, Greenland, S Europe
- T. patula* Meunier,1910
Arctic Seas
- T. pistillum* Kofoid & Campbell,1929

* May be a synonyme of *Tintinnopsis lobiancoi* von Daday
Baltic, Kattegatt, ?Skagerrak

T. rapa Meunier, 1910
Baltic, Norway, Arctic Seas

T. rotundata Jørgensen, 1899
Baltic, S Europe

T. sacculus Brandt, 1896
Baltic, Bohusl., Barents Sea, N Greenland

T. sinuata Brandt, 1896
Norway, Greenland, Arctic Seas

T. spiralis Kofoid & Campbell, 1929
Arctic Seas

T. strigosa Meunier, 1919
Baltic, North Sea, W France

T. subacuta Jørgensen, 1899
* May be a synonyme of *Tintinnopsis lobiancoi* von Daday
* a variety of *T. tubulosa* (Levander)?
Skagerrak, W Norway

T. tubulosa Levander, 1900
* May be a synonyme of *Tintinnopsis lobiancoi* von Daday
Baltic, Kattegatt, Skagerrak, SW North Sea, Zuiderzee, W Norway, Barents Sea

T. tubulosoides Meunier, 1910
* May be a synonyme of *Tintinnopsis tubulosa* Levander
Baltic, Arctic Seas, Engl. Channel

T. turbo Meunier, 1919
* May be a synonyme of *Tintinnopsis lobiancoi* von Daday
* Possibly a synonym of *Tintinnopsis lohmanni* Laackmann
Southampton, Barents Sea

T. undella Meunier, 1910
Barents Sea, S Europe

T. urniger (Entz, Sr., 18??) Daday
Plymouth

T. urnula Meunier, 1910
Arctic Seas

T. vasculum Meunier, 1919
North Sea, W & S Europe

T. ventricosoides Meunier, 1910
Arctic Seas

T. lohmanni Laackmann, 1906
Bohusl., Zuiderzee

T. elongata von Daday, 1887
Bohusl.

T. turbinata Balech, 1948
Bohusl.

T. gracilis Kofoid & Campbell, 1929
Bohusl.

T. japonica ?, 1???
Barents Sea

Codonella Haeckel, 1873

C. amphorella Biedermann, 1893
North Sea, Irminger Sea

C. cratera (Leidy, 1877)
Baltic, Bohusl., Plymouth

C. elongata Kofoid & Campbell, 1929
W & S Europe

C. galea Haeckel, 1873
Mediterranean

C. lagenula (Claparède & Lachmann, 1858)
= *Tintinnus lagenula* Claparède & Lachmann, 1858
Norway, W Europe

C. nationalis Brandt, 1906
Mediterranean

C. relicta Minkiewitsch, 1905
* a brackish & fresh water form
Baltic, Kattegatt, ?Skagerrak

Codonaria Kofoid & Campbell, 1939

C. cistellula (Fol, 1884)
Mediterranean

C. oceanica (Brandt, 1906)
W & S Europe

Codonellopsidae Kofoid & Campbell, 1929

Luminella Kofoid & Campbell, 1939
* Incertae sedis

L. punctata (Wailles, 1925)
Mediterranean

Codonellopsinae Kofoid & Campbell, 1929

Codonellopsis Jørgensen, 1925

C. bulbulus (Meunier, 1919)
W Europe

C. contracta Kofoid & Campbell, 1929
Norway, W Europe

C. ecaudata (Brandt, 1906)
North Sea, Engl. Channel

C. inornata (Brandt, 1906)
Greenland

C. orthoceros (Haeckel, 1873)
Baltic, Mediterranean

C. pusilla (Cleve, 1900)
= *Codonella pusilla* Cleve, 1900
Bohusl., Barents Sea

C. ovata Jørgensen, 1925
?= *Codonella lagenula* (Claparède & Lachmann, 1858), var. *ovata* Jørgensen, 1899
Skagerrak, W Norway, Barents Sea

C. pusilla (Cleve, 1900)
North Sea, Arctic Seas, W Europe

C. lagenula (Claparède & Lachmann, 1858)
= *Tintinnus lagenula* Claparède & Lachmann, 1858
N North Sea

Stenosemellinae Campbell & Moore, 1954

Stenosemella Jørgensen, 1925

S. avellana (Meunier, 1919)
North Sea, W Europe

S. nivalis (Meunier, 1910)
* Possibly a synonyme of *S. nucula* (Fol)
Bohusl., Norway, North Sea, Arctic Seas, Plymouth, W Europe, Mediterranean

S. oliva (Meunier, 1910)
* Possibly a synonyme of *S. nucula* (Fol)
Barents Sea, Plymouth, W Europe

S. producta (Meunier, 1919)
Bohusl., North Sea, W Europe

S. steinii Jørgensen, 1912
Baltic, Kattegatt, Skagerrak, Zuiderzee, Barents Sea, Mediterranean

S. ventricosa (Claparède & Lachmann, 1858) Jørgensen, 19??
= *Tintinnus ventricosa* Claparède & Lachmann, 1858
Baltic, Skagerrak, SW North Sea, W Norway, Plymouth, Hebrides, Barents Sea, Mediterranean

S. nucula (Fol, 1884) Laackmann, 19??
= *Tintinnopsis nucula* Fol, 1884
W Baltic, Zuiderzee

Cyttarocylididae Kofoid & Campbell, 1929

Petalotricha Kent, 1881

P. ampulla (Fol, 1881) Kent, 18??
Engl. Channel, W Mediterranean

P. major Jørgensen, 1925
Engl. Channel, S Europe

Cyttarocylis Fol, 1881

C. cassis (Haeckel, 1873) Fol, 18??
Mediterranean

C. longa Kofoid & Campbell, 1929
Mediterranean, N North Atlantic

Dictyocystidae Haeckel, 1873

Dictyocysta Ehrenberg, 1854

D. dilatata Brandt, 1906
W & S Europe

D. duplex Brandt, 1906
W & S Europe

D. elegans Ehrenberg, 1854
Baltic, Kattegatt, Skagerrak, W Norway, N North Sea, Engl. Channel, W Europe, Mediterranean

D. grandis Brandt, 1906
Engl. Channel

D. lepida Ehrenberg, 1854
= *D. templum* Haeckel, 18??
N North Sea, W Norway, Engl. Channel, Mediterranean

D. minor Jørgensen, 1925
North Sea, Mediterranean

D. mitra Haeckel, 1873
* Possibly a synonym of *Dictyocysta elegans* Ehrenberg
Engl. Channel, ?Mediterranean

D. nidulus Kofoid & Campbell, 1929
W & S Europe

D. reticulata Kofoid & Campbell, 1929
W & S Europe

D. speciosa Kofoid & Campbell, 1929
?Kattegatt, Skagerrak, North Sea, W & S Europe

Epiplocyliidae Kofoid & Campbell, 1939

Epiplocyliis Jørgensen, 1925

E. acuminata (von Daday, 1887)
North Sea, Engl. Channel, S Europe

Epiplocyloides Hada, 1938

E. reticulata (Ostenfeld & Schmidt, 1901)
Engl. Channel, Mediterranean

Epicancellula Kofoid & Campbell, 1929

Metacyclididae Kofoid & Campbell, 1929

Metacyclidinae Kofoid & Campbell, 1929

Helicostomella Jørgensen, 1925

- H. edentata* (Ehrenberg,1833)
Baltic, North Sea, W & S Europe
- H. fusiformis* (Meunier,1919)
North Sea, W Europe, Arctic Seas
- H. kiliensis* (Laackmann,1906)
Baltic, Norway, North Sea, Mediterranean
- H. subulata* (Ehrenberg,1833)
Baltic, Kattegatt, Limfjorden, Bohusl., Skagerrak, Netherlands, W Norway, Barents Sea, Engl. Channel, W & S Europe
- Metaacylis* Jørgensen,1925
- M. annulata* (Meunier,1910)
Arctic Seas
- M. joergenseni* (Cleve,1902)
?Kattegatt, Skagerrak, North Sea, Norway, W & S Europe
- M. vitreoides* Kofoid & Campbell,1929
Barents Sea, Greenland
- M. mediterranea* (Mereschowsky,18??)
= *Psychochylis amphorella* Meunier,19??
N Kattegatt, Skagerrak, SW North Sea, Mediterranean
- Coxiellinae* Kofoid & Campbell,1929
- Climacocyclus* Jørgensen,1925
- C. scalaroides* Kofoid & Campbell,1929
W Europe
- Coxiella* Brandt,1908
* Nomen inquirendum. The species in this genus may be only life cycle stages of species in other genera.
- C. ampla* (Jørgensen,1899) Laackmann,19??
= *Amphorella ampla* Jørgensen,1899
N Kattegatt, Skagerrak, W Norway, North Sea, Arctic Seas, W & S Europe
- C. annulata* (von Daday,1886)
Bohusl., S Europe
- C. calyptra* (Cleve,1899)
Arctic Seas, Greenland
- C. helix* (Claparède & Lachmann,1858)
= *Tintinnus helix* Claparède & Lachmann,1858
= *Tintinnopsis fistularis* Möbius,18??
S & W Baltic, Kattegatt, Bohusl., Skagerrak, W Norway, North Sea, Barents Sea
- C. intermedia* (Laackmann,1907)
Arctic Seas
- C. meunieri* Kofoid & Campbell,1929
Barents Sea
- C. pseudannulata* (Jørgensen,1899)
N Kattegatt, Skagerrak, W Norway, North Sea, Arctic Seas, Greenland, S Europe
- C. tubularis* (Meunier,1910)
Arctic Seas
- Ptychochylididae* Kofoid & Campbell,1929
- Ptychochylidinae* Kofoid & Campbell,1929
- Ptychochylis* Brandt,1896
- P. acuta* Brandt,1896
* May be a synonym of *P. obtusa* Brandt
?Kattegatt, Skagerrak, Norway, North Sea, Arctic Seas, Greenland
- P. arctica* Brandt,1896
* Possibly a synonym of *P. obtusa* Brandt
?Kattegatt, Skagerrak, Norway, North Sea, Greenland, Barents Sea
- P. basicurvata* Meunier,1910
?Kattegatt, Skagerrak, Norway, North Sea, Arctic Seas
- P. cylindrica* Meunier,1910
* May be a synonym of *P. obtusa* Brandt
Arctic Seas
- P. drygalskii* Brandt,1896
* May be a synonym of *P. obtusa* Brandt
?Kattegatt, Skagerrak, Norway, North Sea, Arctic Seas, Greenland
- P. glacialis* Meunier,1910
* May be a synonym of *P. obtusa* Brandt
Arctic Seas
- P. minor* Jørgensen,1899
W Baltic, Kattegatt, Skagerrak, Bohusl., W & N Norway, NE Scotland, Greenland
- P. obtusa* Brandt,1896
= *P. elongata* Meunier,18??
?Kattegatt, Skagerrak, Norway, North Sea, Greenland, Barents Sea
- P. ostenfeldi* Kofoid & Campbell,1929
N North Atlantic
- P. urnula* (Claparède & Lachmann,1858)
= *Tintinnus urnula* Claparède & Lachmann,1858
Baltic, Bohusl., Skagerrak, N Norway, North Sea, Barents Sea, Engl Channel
- Favellinae* Kofoid & Campbell,1929
- Cymatocyclus* Laackmann,1910
- C. kerguelensis* Laackman,1910
Shetland - Faeroe - Iceland area
- Favella* Jørgensen,1925
- F. attingata* Kofoid & Campbell,1929
Norway, S Europe
- F. brevis* Kofoid & Campbell,1929
?Kattegatt, Skagerrak, Mediterranean
- F. ehrenbergii* (Claparède & Lachmann,1858) Jørgensen,1???
= *Tintinnus ehrenbergii* Claparède & Lachmann,1858
?Bothnian Sea, Kattegatt, Bohusl., Skagerrak, Norway, S North Sea, Zuiderzee, Engl. Channel, Mediterranean
- F. ehrenbergii* (Claparède & Lachmann,1858) var. *subannulata* Jørgensen,1899
Skagerrak, W Norway
- F. franciscana* Kofoid & Campbell,19??
Plymouth
- F. helgolandica* (Brandt,1906) Jørgensen,1???
* *Duboscquella tintinnicola* may be found parasitizing this species.
Helgoland, Norway, Engl. Channel, W Europe, Mediterranean
- F. infundibulum* Kofoid & Campbell,1929
Norway
- F. markusovszkyi* (von Daday,1887)
North Sea, S Europe
- F. meunieri* Kofoid & Campbell,1929
North Sea, W Europe
- F. serrata* (Möbius,1887) Jørgensen,19??
W Baltic, Kattegatt, Skagerrak, S & central North Sea, W Norway, Arctic Seas, Engl. Channel, W & S Europe
- Rhabdonellidae* Kofoid & Campbell,1929
- Protorhabdonella* Jørgensen,1925
- Rhabdonella* Brandt,1907
- R. amor* (Cleve,1900)
Greenland, W & S Europe
- R. brandti* Kofoid & Campbell,1929
Greenland
- R. chavesi* Brandt,1907
N North Atlantic, S Europe
- R. conica* Kofoid & Campbell,1929
N North Atlantic, S Europe
- R. hebe* (Cleve,1900)
N North Atlantic, S Europe
- Rhabdonellopsis* Kofoid & Campbell,1929
- R. apophysata* (Cleve,1900)
N North Atlantic
- Tintinnidae* Claparède & Lachmann,1858
- Tintinninae* Claparède & Lachmann,1858
- Tintinnus* Schrank,1803
- T. inquilinum* (O.F. Müller,1776)
@ symbiotic with *Chaetoceros*
Baltic, Kattegatt, Skagerrak, ?German Baltic, Denmark, Norway, Barents Sea, Engl. Channel, W Europe, Mediterranean
- T. obliqua* Claparède & Lachmann,1858
Norway, North Sea, W Europe
- T. vitreus* Brandt,1896
Greenland
- Steenstrupiella* Kofoid & Campbell,1929
- S. steenstrupii* (Claparède & Lachmann,1858)
= *Tintinnus steenstrupii* Claparède & Lachmann,1858
?Kattegatt, Skagerrak, North Sea, W Norway, Engl. Channel, W & S Europe
- Amphorides* Strand,1928
= *Amphorella* von Daday,1887, non Lowe,1852 (Mollusca), neg Léger,1892 (Gregarina)
- A. amphora* (Claparède & Lachmann,1858)
= *Tintinnus amphora* Claparède & Lachmann,1858
North Sea, Norway
- A. infundibulum* (Kofoid & Campbell,1929)
Norway
- A. quadrilineata* (Claparède & Lachmann,1858)
= *Tintinnus quadrilineatus* Claparède & Lachmann,1858
Kieler Bucht, Kattegatt, Skagerrak, N North Sea, W Norway, Barents Sea, W Europe, Mediterranean
- A. borealis* (Hensen,1890)
= *Tintinnus borealis* Hensen,1890
= *Cothurnia borealis* (Hensen,1890) Ostenfeld,1916
= *Cothurnia imata* : Hamburger & von Buddenbrock,1911, non *Trichoda imata* O.F. Müller,1786
= *Cothurnia maritima* : Auctt., non Ehrenberg,18??
@ *Chaetoceros danicum* Cleve
Baltic, Belt Sea, Øresund, Kattegatt, W Norway
- Amphorellopsis* Kofoid & Campbell,1929
- Albatrossiella* Kofoid & Campbell,1929
- A. minutissima* (Meunier,1910)
Greenland, Arctic Seas
- Dadaiella* Kofoid & Campbell,1929
- D. bulbosa* (Brandt,1906)
N North Atlantic
- D. ganymedes* (Entz Sr.,1884)
Mediterranean, N North Atlantic
- D. joergenseni* Kofoid & Campbell,1929
Engl. Channel
- Stelidiellinae* Kofoid & Campbell,1929
- Ormosella* Kofoid & Campbell,1929
- Brandtiella* Kofoid & Campbell,1929
- Stelidiella* Kofoid & Campbell,1929

- Salpingellinae* Kofoid & Campbell,1939
- Eutintinnus* Kofoid & Campbell,1939
- E. apertus* (Kofoid & Campbell,1929)
W & S Europe
- E. elongatus* (Jørgensen,1925)
N North Atlantic, S Europe
- E. fraknoi* (von Daday,1887)
= *Tintinnus fraknoi* von Daday,1887
Norway, North Sea, W Europe, Mediterranean, N North Atlantic
- E. latus* (Jørgensen,1925)
N North Atlantic, Mediterranean
- E. lusundae* (Entz,1885)
= *Tintinnus lusundae* Entz,1885
Skagerrak, N North Sea, W Norway, Barents Sea, Biscay, N North Atlantic, Mediterranean
- E. macilentus* (Jørgensen,1925)
North Sea, S Europe
- E. pinguis* (Kofoid & Campbell,1929)
N North Atlantic, W Europe
- E. tubulosus* (Ostenfeld,1899)
?Kattegatt, Skagerrak, Norway, N North Atlantic, Britain, W & S Europe
- Daturella* Kofoid & Campbell,1929
- D. gaussi* Kofoid & Campbell,1929
N North Atlantic
- Salpingella* Jørgensen,1925
- S. acuminata* (Claparède & Lachmann,1858) Jørgensen
= *Tintinnus acuminatus* Claparède & Lachmann,1858
W Baltic, Skagerrak, North Sea, W Norway, Barents Sea, Greenland, Engl. Channel, W Europe, Mediterranean
- S. curta* Kofoid & Campbell,1929
Baltic, W Europe
- S. decurtata* Jørgensen,1925
N North Atlantic
- S. gracilis* Kofoid & Campbell,1929
N North Atlantic, W & S Europe
- S. minutissima* Kofoid & Campbell,1929
N North Atlantic, W & S Europe
- S. secata* (Brandt,1896)
Kattegatt - Skagerrak area, Arctic Seas, Greenland, N North Atlantic
- Salpingelloides* Campbell,1942
- S. altiplicata* (Merkle,1909)
Norway
- Salpingacantha* Kofoid & Campbell,1929
- S. undata* (Jørgensen,1899)
Norway, Arctic Seas, Shetlands - >Faeroes - Iceland area
- Tintinnidiidae* Kofoid & Campbell,1929
- Tintinnidium* Kent,1882
- T. mucicola* (Claparède & Lachmann,1858) von Daday
= *Tintinnus mucicola* Claparède & Lachmann,1858
Kieler Bucht, Kattegatt, Skagerrak, W Denmark, Norway, Netherlands
- T. incertum* Brandt,1906
? = *T. primitivum* Bush,1925
Zuiderzee
- Leprotintinnus* Jørgensen,1900
- L. pellucidus* (Cleve,1886) Jørgensen,1???
= *Tintinnus pellucidus* Cleve,1886
* Year may be wrong, perhaps 1899?
Belt Sea, Bohusl., W Norway, Barents Sea
- L. bottnicus* (Nordqvist,1890) Jørgensen,1899 (TM)
= *Tintinnus bottnicus* Nordqvist,1890
= *Codonella bottnica* : Levander,1895
all Baltic, W Norway, Barents Sea, Zuiderzee
- Undellidae* Kofoid & Campbell,1929
- Undellinae* Kofoid & Campbell,1929
- Undella* von Daday,1887
- U. hyalina* von Daday,1887
Norway, S Europe
- Amplectella* Kofoid & Campbell,1929
- Undellopsinae* Campbell,1942
- Undellopsis* Kofoid & Campbell,1929
- Proplectellinae* Campbell,1942
- Proplectella* Kofoid & Campbell,1929
- P. acuta* (Jørgensen,1925)
N North Atlantic, S Europe
- P. claparedei* (Entz Sr.,1885)
N North Atlantic, W Europe, Mediterranean
- P. ellipsoida* Kofoid & Campbell,1929
N North Atlantic, S Europe
- P. fastigata* (Jørgensen,1925)
= *Undella claparedei* forma *fastigata* Jørgensen,19??
* Spelling? (*P. fastigata* or *fastigiata* ?)
N North Atlantic, Mediterranean
- P. subcaudata* (Jørgensen,1925)
N North Atlantic, S Europe
- Xystonellidae* Kofoid & Campbell,1929
- Xystonella* Brandt,1907
- X. acus* (Brandt,1906)
Engl. Channel
- X. lohmanni* (Brandt,1906)
N North Atlantic
- X. treforti* (von Daday,1887)
N North Atlantic, Mediterranean
- Xystonellopsis* Jørgensen,1925
- X. paradoxa* (Cleve,1900)
N North Atlantic
- Parafavella* Kofoid & Campbell,1929
- P. acuminata* (Ehrenberg,1854)
= *P. greenlandica* (Kofoid & Campbell,1929)
Greenland, S Europe
- P. acuta* (Jørgensen,1901)
= *Cyttarocylis denticulata* var. *typica* Jørgensen,1901 f. *acuta* Jørgensen,1901
Norway, North Sea, Greenland, Barents Sea
- P. calycina* (Jørgensen,1901)
= *Cyttarocylis edentata* var. *parumdentata* Jørgensen,1901
N Norway, North Sea, Arctic Seas
- P. curvata* Kofoid & Campbell,1929
Norway, Arctic Seas
- P. cylindrica* (Jørgensen,1899) Kofoid & Campbell,1929
= *Cyttarocylis denticulata* var. *cylindrica* Jørgensen,1899
Baltic, Kattegatt, Skagerrak, North Sea, W & N Norway, Greenland, Arctic Seas
- P. denticulata* (Ehrenberg,1840)
= *Cyttarocylis denticulata* Ehrenberg,1840
S & W Baltic, Kattegatt, Bohusl., Skagerrak, N & central North Sea, W & N Norway, Barents Sea, Greenland, Engl. Channel, W & S Europe
- P. digitalis* Kofoid & Campbell,1929
Norway, North Sea
- P. dilatata* (Jørgensen,1899)
N Norway, North Sea, Arctic Seas
- P. edentata* (Brandt,1896)
= *Cyttarocylis edentata* Brandt,1896
North Sea, N Norway, Greenland, Barents Sea
- P. elegans* (Ostenfeld,1899)
North Sea, Arctic Seas
- P. gigantea* (Brandt,1896)
= *Cyttarocylis gigantea* Brandt,1896
Bohusl., N Norway, North Sea, Arctic Seas, Engl. Channel, W Europe
- P. hemifusus* (Meunier,1910)
Arctic Seas
- P. inflata* Kofoid & Campbell,1929
Arctic Seas
- P. media* (Brandt,1896)
Baltic, Norway, Arctic Seas, Greenland
- P. obtusa* (Aurivillius,1899)
North Sea, Barents Sea
- P. obtusangula* (Ostenfeld,1899)
= *Cyttarocylis obtusangulata* Ostenfeld,1899
Bohusl., N Norway, North Sea, Arctic Seas
- P. parumdentata* (Brandt,1906)
= *Cyttarocylis edentata* var. *parumdentata* Brandt,1906
N Norway, Spitsbergen, Greenland, Arctic Seas
- P. robusta* (Jørgensen,1901)
= *Cyttarocylis denticulata* var. *robusta* Jørgensen,1901
N Norway, North Sea, Greenland, Arctic Seas
- P. rotundata* (Jørgensen,1899)
?Kattegatt, Skagerrak, North Sea, W Norway, Arctic Seas
- P. subdentata* (Jørgensen,1905)
Norway
- P. subrotundata* (Jørgensen,1899)
?Kattegatt, Skagerrak, North Sea, W Norway, Arctic Seas
- P. subula* Kofoid & Campbell,1929
North Sea, Arctic Seas, W Europe
- P. ventricosa* (Jørgensen,1899)
= *Cyttarocylis denticulata* var. *cylindrica* f. *ventricosa* Jørgensen,1899
Norway, Arctic Sea
- P. tenuis* (Schulz & Wulff,1929)
W Barents Sea
- Parundella* Jørgensen,1925
- P. aculeata* Jørgensen,1925
Shetlands - Faeroes - Iceland area, W & S Europe
- P. attenuata* Kofoid & Campbell,1929
W & S Europe, N North Atlantic
- P. caudata* (Ostenfeld,1899)
North Sea, Norway, W & S Europe, Shetlands - Faeroes - Iceland area
- P. difficilis* Kofoid & Campbell,1929
W & S Europe
- P. grandis* Kofoid & Campbell,1929

N North Atlantic

P. lachmanni (von Daday,1887)
Baltic, Norway

P. lata Ringdal Gaarder,1946
W Europe

P. lohmanni Jørgensen,1925
Shetlands - Faeroes - Iceland area, W & S Europe

P. longa Jørgensen,1925
North Sea, S Europe

P. pellucida (Jørgensen,1899)
= *Undella pellucida* Jørgensen,1899
North Sea, Norway, Barents Sea

STROMBIDINOPSINA Small & Lynn, in Lee, Hutner & Bovee,1985

Strombidinopsidae Small & Lynn, in Lee, Hutner & Bovee,1985

Strombidinopsis Kent,1881

S. spiniferum (Leegaard,1915) Lynn, Montagnes,Dale, Gilron,Strom,1991
= *Strombidium spiniferum* (Leegaard,1915) Kahl,1932
= *Strombidium spiniferum* Leegaard,1915
North Sea, Barents Sea (off N Norway; pelagic in neritic surface waters)

STROBILIDIINA Small & Lynn, in Lee, Hutner & Bovee,1985

Strobilidiidae Kahl, in Doflein & Reichenow,1929

Strobilidium Schewiakoff,1893
* Mainly pelagic

S. conicum Kahl,1932
Öresund

S. caudatum Kahl,1932
* interstitial
Kieler Bucht

S. minimum (Gruber,1???)
* interstitial
Kieler Bucht

S. epacrum Lynn & Montagnes,1988
Gulf of Maine

S. multinucleatum Lynn & Montagnes,1988
Gulf of Maine

S. sphaericum Lynn & Montagnes,1988
Gulf of Maine

S. spiralis (Leegaard,1915) Lynn & Montagnes,1988
= *Lohmanniella spiralis* Leegaard,1915
Tjårnø, Kattegatt, Southampton, Gulf of Maine

S. gyrans (Stokes,1887) Schewiakoff,1892
?

Lohmanniella Leegaard,1915

L. oviformis Leegaard,1915, em. Lynn & Montagnes,1988
Kattegatt, Limfjorden, Gulf of Maine

L. spiralis ??,1???
Kattegatt

Sphaerotrachium Wulff,1919

S. elegans (Wulff,1919) Kahl,1932
?

Leegaardiellidae Lynn & Montagnes,1988

Leegaardiella Lynn & Montagnes,1988

L. sol Lynn & Montagnes,1988 (TM)
= *Lohmanniella oviformis* Leegaard,1915 (p.p. - larger form)
Gulf of Maine

L. ovalis Lynn & Montagnes,1988
= *Lohmanniella oviformis* Leegaard,1915 (p.p. - medium-sized form)
Gulf of Maine

OLIGOTRICHIDA Bütschli,1887

Halteriidae Claparède & Lachmann,1858

Halteria Dujardin,1841

H. grandinella (Müller,1???)
?

Meseres Schewiakoff,1893

M. corlissi Petz & Foissner,1992
?

Metastrombidium Fauré-Fremiet,1924

M. sonnifer Jankowski,1980
?

Strombidiidae Fauré-Fremiet,1970

Cyrtostrombidium Lynn & Gilron,1993

C. longisomum Lynn & Gilron,1993 (TM)
Jamaica

C. wailesi Lynn & Gilron,1993
Jamaica

Pelagostrombidium Krainer,1991

P. mirabile (Penard,1916) Krainer,1991
?

P. fallax (Zacharias,1896) Krainer,1991

?

Strombidium Claparède & Lachmann,1859

S. latum Kahl,1932
S Baltic, Öresund

S. acutum Leegaard,1915
Plymouth, Gulf of Maine

S. cinctum Kahl,1932
Kieler Bucht, Sylt, Yorkshire, Plymouth

S. dalum Lynn, Montagnes & Small,1988
Plymouth, Gulf of Maine, Jamaica

S. sauerbreyae (Sauerbrey,1928)Kahl,1932
W Baltic, Öresund, Sylt, N Russia, French Atlantic, Mediterranean, Black Sea, Mauretania, E USA

S. sulcatum Claparède & Lachmann,1858
Limfjorden, Plymouth, Gulf of Maine

S. costatum Tucolesco,1962
* possibly a synonym of *S. sulcatum* C. & L.
?

S. lagenula Fauré-Fremiet,1???
Plymouth

S. wulffi (Wulff,1919) Kahl,1932
Plymouth, Gulf of Maine, Jamaica

S. kahli Bock,1952
S Baltic, New Hampshire

S. constrictum (Meunier,1910) Wulff,1919
Gulf of Maine, Jamaica

S. viride von Stein,1859
?

S. macronucleatum Dragesco,1960
?

S. styliferum (Levander,1???)
?

S. elegans Florentin,1901
?

S. faurei Dragesco,1960
?

S. arenicola Dragesco,1960
?

S. calkinsi Kahl,19??
?

S. typicum (Lancaster,1874) Bütschli,1889
?

S. epidemum Lynn, Montagnes & Small,1988
Gulf of Maine, Jamaica

S. purpureum Kahl,19??
New Hampshire

S. rhynchum Lynn, Montagnes & Small,1988
Gulf of Maine

S. tressum Lynn, Montagnes & Small,1988
Gulf of Maine

S. alveolare Bullington,1940
?

S. opisthostomum Tucolesco,1962
?

S. conicum (Lohmann,1908) Wulff,1919
?= *Laboea conica* Lohmann,1908
?Kieler Bucht, Southampton

S. oculatum Gruber,1884
?

S. ovale (Leegaard,1915) Kahl,1932
= *S. oblongum* Leegaard,1915
?

S. tintinnoides Entz,1884
?

S. reticulatum (Leegaard,1915) Busch,1921?
?

S. vestitum (Leegaard,1915) Kahl,1932
North Sea

S. delicatissimum (Leegaard,1915) Busch,1921
North Sea, N Atlantic

S. emergens (Leegaard,1915) Kahl,1932
= *S. sulcatum* : Lynn & al.,1988, non Claparède & Lachmann,1858
?

S. inclinatum Montagnes, Taylor & Lynn,1990
Jamaica

S. oculatum Gruber,1884
?

S. hadai (Hada,1970) Maeda & Carey,1985
?

S. cornucopiae (Wailes,1929) Kahl,1932
?

S. clavellina Buddenbrock,1922
?

S. grande Levander,1894

- ?
- S. obliquum* Kahl, 1932
?
- S. compressum* (Leegaard, 1915) Kahl, 1932
Gulf of Maine
- S. conicoides* (Leegaard, 1915) Kahl, 1932
?
- S. caudatum* (Fromentel, 19??)
?
- S. rehwaldi* Petz & Foissner, 1992
?
- S. bilobum* Lynn & Gilron, 1993
Jamaica
- S. maedai* Lynn & Gilron, 1993
Jamaica
- S. pollostomum* Lynn & Gilron, 1993
Jamaica
- S. sphaericum* Lynn & Gilron, 1993
Jamaica
- S. eurytomum* Lynn & Gilron, 1993
Jamaica
- S. ioanum* Lynn & Gilron, 1993
Jamaica
- Laboea* Lohmann, 1908
= *Conocylis* Meunier, 1910
- L. strobila* Lohmann, 1908
Kieler Bucht, Skagerrak, Plymouth, Jamaica
- Tontonia* Fauré-Fremiet, 1914
- T. gracillima* Fauré-Fremiet, 1924
Gulf of Maine
- T. caudata* (Lohmann, 1908) Kahl, 1932
?
- T. appendiculariformis* Fauré-Fremiet, 1914 (TM)
?
- T. ovalis* (Leegaard, 1915) Laval-Peuto & Rassoulzadegan, 1987
?
- T. poopsia* Montagnes & Lynn, 1988
Maine, USA
- T. simplicidens* Lynn & Gilron, 1993
* Divided by the authors in two "forms", *octocarya* & *quadricarya*
Jamaica
- STICHOTRICHIA** Small & Lynn, in Lee, Hutner & Bovee, 1985
- STICHOTRICHIDA** Fauré-Fremiet, 1961
- STICHOTRICHINA** Fauré-Fremiet, 1961
- Amphiseliidae** Small & Lynn, in Lee, Hutner & Bovee, 1985
- Amphisella* Gourret & Roeser, 1888
- A. milnei* Kahl, 19??
S Baltic, Belt Sea
- A. thiophaga* Kahl, 19??
?
- A. annulata* Kahl, 19??
S Baltic, Belt Sea
- A. marioni* Gourret & Roeser, 1888 (TM)
off Yucatan peninsula
- A. arenicola* Fernandez-Leborans & Novillo, 1992
Mediterranean Spain
- A. ovalis* Fernandez-Leborans & Novillo, 1992
Mediterranean Spain
- Balladyna* Kowalewski, 1882
- B. euplotes* Dragesco, 1950?
?
- Eschaneustyla* Stokes, 1886
- Kahliella* Corliss, 1960
- Onychodromopsis* Stokes, 1887
- Onychodromus* von Stein, 1859
- Paraurostyla* Borrer, 1972
- Chaetospiridae** Jankowski, in Lee, Hutner & Bovee, 1985
- Chaetospira* Lachmann, 1856
- Cladotrichidae** Small & Lynn, in Lee, Hutner & Bovee, 1985
- Cladotricha* Gajewskaja, 1926
- Engelmanniella* Foissner, 1982
- Lamtostyla* Buitkamp, 1977
- Perisincirra* Jankowski, 1978
- Uroleptoidea* Wenzel, 1953
- U. kihni* Wenzel, 1953
E USA
- Gonostomatidae** Small & Lynn, in Lee, Hutner & Bovee, 1985
- Gonostomum** Sterki, 1878
- Trachelochaeta* Srámek-Husek, 1954
- Wallackia* Foissner, 1977
- Keronidae** Dujardin, 1840
- Epiclintes* von Stein, 1862
* Incertae sedis
- E. ambiguus* (O.F. Müller, 1786) Bütschli, 1889
E & W Baltic, Sylt, White Sea, Yorkshire, Plymouth, French Atlantic, Mediterranean, Black Sea, Mauretania, E USA, Bermuda, Brazil
- Keronopsis* Penard, 1922
* using symbiotic bacteriae
- K. rubra* (Ehrenberg, 1838)
Elsinore laboratory salt water system, Yucatan peninsula
- K. monilata* (Kahl, 1928)
Sylt, France
- K. flavicans* Kahl, 19??
S Baltic, Plymouth
- K. multistilata* Kahl, 19??
Plymouth
- K. gracilis* Kahl, 19??
Helgoland
- K. pulchra* Kahl, 19??
S Baltic
- K. globulifera* Kahl, 19??
?
- K. coronata* (Gourret & Roeser, 1???)
?
- K. ovalis* Kahl, 19??
S Baltic
- K. arenivorus* Dragesco, 19??
?
- Psilotrichidae** Bütschli, 1889
- Caryotricha* Kahl, 1932
- Kiitricha* Nozawa, 1941
- Psilotricha* von Stein, 1859
- Spirofilidae** von Gelei, 1929
- Atractos* Vörös-váry, 1950
- Hypotrichidium* Ilowaisky, 1921
- Spiretella* Borrer, 1972
- Stichotricha* Perty, 1849
- S. ?gracilis* Möbius, 18??
Kieler Bucht
- S. secunda* Perty, 1849?
Halland, E USA
- Urostrongylum* Kahl, 1932
- U. caudatum* Kahl, 1932
W Baltic, Öresund, Isefjord, Sylt, White Sea, Plymouth, Roscoff, Mediterranean, E USA, Bermuda
- Strongyliidae** Fauré-Fremiet, 1961
- Strongyliidium* Sterki, 1878
- S. arenicolus* Dragesco, 19??
?
- UROSTYLINA** Jankowski, 1979
- Pseudokeronopsidae** Borrer & Wicklow, 1983
- Pseudokeronopsis* Borrer & Wicklow, 1983
- Thigmokeronopsis* Wicklow, 1981
- Pseudourostylidae** Jankowski, 1979
- Pseudourostyla* Borrer, 1972
- Urostylidae** Bütschli, 1889
- Bakuella* Agamaliev & Alekperov, 1976
- B. marina* Agamaliev & Alekperov, 1976 (TM)
?
- Banyulsella* Dragesco, 1953
- B. viridis* Dragesco, 1953? (TM)
?
- Holosticha* Wrzesniowski, 1877
= *Trichotaxis* Stokes, 1891 (p.p.)
- H. diademata* (Rees, 1884)
W Baltic, Sylt, Helgoland, White Sea, E USA
- H. discocephalus* Kahl, 1932
Kieler Bucht, Sylt, White Sea, Plymouth, Roscoff, Mediterranean
- H. arenicola* Kahl, 19??
Kieler Bucht, Öresund

- H. kessleri* Wrzesniewski, 1877 (TM)
S Baltic, Öresund, New Hampshire
- H. alveolata* Kahl, 19??
Kieler Bucht
- H. extensa* Kahl, 19??
Kieler Bucht
- H. multistilata* Kahl, 1928
Kieler Bucht
- H. velox* Kahl, 19??
= *Trichotaxis velox* Kahl, 19??
* Correct genus?
S Baltic
- H. manca* Kahl, 19??
?
- H. violacea* Kahl, 19??
?
- H. scutellum* (Cohn, 1866)
?
- Paraholosticha* Kahl, 1932
- P. polychaeta* Borrer, 1966
New Hampshire
- Paraurostyla* Borrer, 1972
- P. dispar* (Kahl, 19??) Borrer, 1972?
Kieler Bucht
- Urostyla* Ehrenberg, 1830 (TM *U. grandis* Ehrenberg, 1830 - fresh water)
- U. marina* (Kahl, 1932) Borrer, 19??
Kieler Bucht, New Hampshire
- SPORADOTRICHINA Fauré-Fremiet, 1961
- Oxytrichidae Ehrenberg, 1838
- Ancystropodium* Fauré-Fremiet, 1907
- Gastrostyla* Engelmann, 1862
- G. pulchra* (Perejaslawzewa, 1885)
Sylt, White Sea, Mediterranean, Florida
- Histiculus* Corliss, 1960
- H. similis* (Quennerstedt, 1867) Corliss, 1960?
= *Stylonychia similis* Quennerstedt, 1867
S Baltic, Halland
- Laurentiella* Dragesco & Njiné, 1971
- Oxytricha* Bory de St. Vincent, 1825
- O. pellionella* (O.F. Müller, 17??) Ehrenberg, 18??
Plymouth
- O. stenocephala* Borrer, 1963?
?
- O. discifera* Kahl, 19??
Kieler Bucht
- O. marina* Kahl, 19??
S Baltic
- O. gibba* (O.F. Müller, 1786) von Stein, 18??
= *Trichoda gibba* O.F. Müller, 1786
Halland
- O. rubra* Ehrenberg, 18??
Halland
- O. velox* Quennerstedt, 1869
Visby
- O. crassa* Claparède & Lachmann, 18??
Norway
- Parastylonychia* Dragesco, 1963
- Pleurotricha* von Stein, 1859
- P. planensis* Fernandez-Leborans, 1984
?Spain
- Stylonychia* Ehrenberg, 1830
- Tachysoma* Stokes, 1887
- T. saltans* (Cohn, 18??) Borrer, 19??
= *Actinotricha saltans* Cohn, 18??
S Baltic, Halland
- Trachelostylidae Small & Lynn, in Lee, Hutner & Bovee, 1985
- Psammomitra* Borrer, 1972
- P. brevicauda* (Kahl, 19??) Borrer, 1972?
S Baltic, Helgoland
- P. retractilis* (Claparède & Lachmann, 18??) Borrer, 1972?
Kieler Bucht, Helgoland
- P. radiosa* (Quennerstedt, 1867)
= *Mitra radiosa* Quennerstedt, 1867
Halland
- Trachelostyla* Kahl, 1932
- T. caudata* Kahl, 1932
Kieler Bucht, Sylt, Norway, N Russia, French Atlantic, Mediterranean, Black Sea
- T. pediculiformis* (Cohn, 1866) Kahl, 1932
- E & W Baltic, Öresund, Norway, Sylt, Yorkshire, Plymouth, Mediterranean, Black Sea, New Hampshire, Florida, Brazil
- Urosoma* Kowalewski, 1882
- Urosomoida* Hemberger, 1981
- RHABDOPHORA** Small, 1976
- PROSTOMATEA** Schewiakoff, 1896
- PROSTOMATIDA Schewiakoff, 1896
- Holophryidae Perty, 1852
- Bursellopsis* Corliss, 1960
- Holophrya* Ehrenberg, 1833
- H. marina* Mansfeld, 1923
Berliner Aquarium
- H. biconica* Sauerbrey, 1928
Kieler Bucht
- H. tarda* Quennerstedt, 1869
Visby, Whitstable
- H. vorax* Dragesco, 19??
?
- Metacystidae Kahl, 1926
- Metacystis* Cohn, 1866
- M. truncata* Cohn, 18??
Plymouth
- Pelatractus* Kahl, 1930
- Vasicola* Tatem, 1869
- PRORODONTIDA Corliss, 1974
- Balanionidae Small & Lynn, in Lee, Hutner & Bovee, 1985
- Balanion* Wulff, 1922
- B. comatum* Wulff, 1922
Kieler Bucht, North Sea, Barents Sea
- Colepidae Ehrenberg, 1838
- Coleps* Nitzsch, 1827
- C. pulcher* Spiegel, 1926
Kieler Bucht, Sylt, Helgoland, Plymouth, Roscoff, Mediterranean, N Russia
- C. similis* Kahl, 1933
Kieler Bucht, Sylt, Mediterranean, White Sea
- C. spiralis* Noland, 1937
Sylt, White Sea, E USA
- C. tessellatus* Kahl, 1930
Askö, W Baltic, Kieler Bucht, Öresund, Hiddensee, Sylt, Roscoff, Mediterranean, N Russia, New Hampshire, Cape Cod, Bermuda
- C. remanei* Kahl, 19??
S Baltic, Plymouth
- C. crenarius* Bock, 1952?
S Baltic
- Nolandia* Small & Lynn, in Lee, Hutner & Bovee, 1985
- Plagiopogon* von Stein, 1859
- P. loricatus* Kahl, 1933
W Baltic, Öresund, Kieler Bucht, Hiddensee, Sylt, White Sea
- Tiarina* Bergh, 1881
- T. fusus* (Claparède & Lachmann, 18??) Bergh, 1881
= *Coleps fusus* (Claparède & Lachmann, 18??) (TM - North Sea)
* found chiefly during late summer-late autumn. Contains living zooxanthellae according to Ostenfeld, 1916
S Baltic, Belt Sea, Kattegatt, Skagerrak, North Sea, Plymouth
- T. levigata* Kofoed-Campbell
Plymouth
- Placididae Small & Lynn, in Lee, Hutner & Bovee, 1985
- Placus* Cohn, 1866
- P. striatus* Cohn, 1866
Kieler Bucht, Hiddensee, White Sea, Sylt, Plymouth, Roscoff, Woods Hole
- P. luciae* (Kahl, 19??)
Plymouth
- P. socialis* Fabre-Domergue, 1889
Baltic, North Sea, Woods Hole
- P. salinus* Dietz, 1964
French Mediterranean
- P. budenbrocki* Sauerbrey, 1928
Kieler Bucht, Cape Cod
- Spathidiopsis* Fabre-Domergue, 1889
- Plagiocampidae Kahl, 1926
- Plagiocampa* Schewiakoff, 1892
- P. margaritata* Kahl, 1932
Sylt
- P. posticeconica* Kahl, 1932
Kieler Bucht, Sylt

- P. rouxi* Kahl,1932
Kieler Bucht & fresh water
- P. multiseta* Kahl,1932
Helgoland
- P. marina* Kahl,1932
Helgoland
- P. perlata* Kahl,1933
Helgoland
- P. acuminata* Kahl,1933
Neuwerk brackish water
- P. incisa* Kahl,1933
Kieler Bucht
- Prorodontidae Kent,1881
- Mimeticus* Small & Lynn, in Lee, Hutner & Bovee,1985
- Paraspathidium* Noland,1937
* Incertae sedis. This probably belongs to another family
- P. fuscum* (Kahl,1928)
Askö, W Baltic, Öresund, Hiddensee, Sylt, Norway, White Sea, Yorkshire, France, Black Sea, Mauretania
- P. obtiquum* Dragesco,19??
?
- Prorodon* Ehrenberg,1833
- P. discolor* (Ehrenberg,18??)
Askö, W Baltic, Öresund, White Sea, Sylt, Mediterranean, Kamerun
- P. marinus* Claparède & Lachmann,1958?
Sylt, White Sea, France, Black Sea
- P. teres* Ehrenberg,1838
Schlei, Hiddensee, Sylt, White Sea, Roscoff, E USA
- P.* sp.: Hartwig,1973
Jordsand
- P. morgani* Kahl,1930
Kieler Bucht, Öresund, Elbe mouth, Oldesloe, Plymouth
- P. ovum* Ehrenberg,1838
Kieler Bucht, Oldesloe, Sylt
- P. arenarius* Dragesco,19??
?
- P. luteus* Kahl,1930
Oldesloe
- P. elegans* Kahl,1928
Oldesloe
- P. karianus* Meunier,1907
* pelagic
Barents Sea
- P. dubius* Kahl,1930
Helgoland
- P. binucleatus* (von Buddenbrock,1920)
Berliner Aquarium
- P. opalescens* Kahl,1928
Sylt, Oldesloe
- P. moebiusi* Kahl,1930
Kieler Bucht, Sylt
- P. mimeticus* Kahl,1930
Oldesloe, Kaiser-Wilhelm-Kanal, Holtenau
- Pseudoprorodon* Blochmann,1886
* Sensu Curds,1982 is the generic name erected by Kahl,1930, although Kahl attributed it to Blochmann,1886
- P. arenicola* Kahl,1933
Kieler Bucht, Öresund, Sylt, Norway, Barents Sea, Murmansk, White Sea, Yorkshire, French Atlantic, Mediterranean
- P. halophilus* Kahl,1930
Oldesloe
- P. incisus* Bock,1952?
S Baltic
- P. mononucleatus* Bock,1952?
S Baltic
- Urotrichidae Small & Lynn, in Lee, Hutner & Bovee,1985
- Patschia* Small & Lynn, in Lee, Hutner & Bovee,1985
- Rhagadostoma* Kahl,1926
- Urotricha* Claparède & Lachmann,1859
- LITOSTOMATEA** Small & Lynn,1981
- HAPTORIA** Corliss,1974
- HAPTORIDA Corliss,1974
- Didiniidae Poche,1913
- Didinium* von Stein,1859
- D. nasutum* (O.F. Müller,17??) von Stein,1859
Kieler Bucht, Öresund
- D. balbianii* Fabre-Domergue,18??
Kieler Bucht
- Monodinium* Fabre-Domergue,1888
- Enchelyidae Ehrenberg,1838
- Chilophrya* Kahl,1930
- Enchelys* O.F. Müller,1773
- E. marina* Meunier,1907
* Pelagic
Barents Sea
- E. tarda* Quennerstedt,1869
Baltic (Visby)
- E. gracilis* Mansfeld,1923
North Sea Aquarium
- E. pectinata* Kahl,1930
Elbe mouth brackish water
- E. pterotracheae* Collin,1913
@ on gills of *Pterotrachea coronata*
?
- Enchelyodon* Claparède & Lachmann,1859
- E. farctus* Claparède & Lachmann,18??
Plymouth
- E. laevis* (Quennerstedt,1867)
= *Lagynus laevis* Quennerstedt,1867
Halland
- E. sulcatus* Kahl,1930
Oldesloe
- E. vacuolatus* Dragesco,19??
?
- E. fascinuleatus* Kahl,1933
Sylt
- E. trepida* (Kahl,1928)
= *Trachelocerca trepida* Kahl,1928
New Hampshire
- Homalozoon Stokes,1890
- H. caudatum* Kahl,19??
Öresund
- Nannophrya* Kahl,1933
- N. truncata* Kahl,1933
Helgoland
- Lacrymariidae de Fromental,1876
- Lacrymaria* Bory de St. Vincent,1826
- L. caudata* Kahl,1933
Kieler Bucht, Norway, White Sea, Sylt, French Atlantic, Mediterranean, Black Sea
- L. marina* Kahl,1933
= *L. olor* (O.F. Müller,17??) var *marina* Kahl,1933
* Fenchel,1968 gives Dragesco,1963 as author
Kieler Bucht, Öresund, Barents Sea, White Sea, Sylt, Roscoff, Mediterranean
- L. acuta* Kahl,1933
Kieler Bucht
- L. pupula* (O.F. Müller,17??)
Plymouth
- L. versatilis* (O.F. Müller,17??) Quennerstedt,1867
= *Trichoda versatilis* O.F. Müller,17??
Halland, Cuxhaven
- L. coronata* Claparède & Lachmann,1858
S Baltic, White Sea, Yorkshire, W France, Mediterranean, Black Sea, W Africa
- L. delamarei* Dragesco,19??
?Öresund
- L. trichocystis* Dragesco,19??
?
- L. lagenula* Claparède & Lachmann,18??
Halland
- L. affinis* Bock,1952?
S Baltic
- L. cohnii* Kent,1881
S Baltic, White Sea, Yorkshire, Whitstable, Caspian Sea
- L. salinarum* Kahl,19??
S Baltic
- L. olor* (O.F. Müller,17??)
Whitstable
- Mesodiniidae Jankowski, in Lee, Hutner & Bovee,1985
- Askenasia* Blochmann,1895
- A. stellaris* ??,1???
Southampton
- Mesodinium* von Stein,1863
- M. pupula* Kahl,1933
W Baltic, Öresund, Hiddensee, Sylt, White Sea, Yorkshire, French Atlantic, Mediterranean, Ivory Coast, E USA
- M. pulx* (Claparède & Lachmann,1858) von Stein,1863
Kieler Bucht, Hiddensee, Sylt, White Sea, Plymouth, Roscoff, Black Sea, Florida
- M. cinctum* Calkins,1???
Plymouth
- Myrionecta* Jankowski,1976
- M. rubrum* (Lohmann,1908) Jankowski,1976
= *Halteria rubra* Lohmann,1908
= *Mesodinium rubrum* (Lohmann,1908) Hamburger & von Buddenbrock,1911
= *Cyclotrichium meunieri* Powers,1932

Baltic, Öresund, Isefjord, Kattegatt, Plymouth, Iceland, Black Sea, Canada, Maine, Florida

Rhabdoaskenasia Krainer & Foissner,1990

R. sp. : Pilling & al.,1992
Plymouth

Spathidiidae Kahl, in Doflein & Reichenow,1929

Bryophyllum Kahl,1931

Myriokaryon Jankowski,1973

Spathidium Dujardin,1841

S. procerum Kahl,1930
Yorkshire, Plymouth

Trachelophyllidae Kent,1886

Chaenea Quennerstedt,1867

C. vorax Quennerstedt,1867 (TM)
Baltic, Halland, North Sea, Plymouth, Algeria

C. minor Kahl,19??
Plymouth

C. robusta Kahl,1930
Kieler Bucht, Oldesloe

C. simulans Kahl,1930
Elbe mouth

C. teres (Dujardin,1841)
= *Trachelius teres* Dujardin,1841
Oldesloe brackish water & fresh water

C. gigas Kahl,1933
Kieler Bucht, Helgoland

Lagynophrya Kahl,1927

L. costata Kahl,1933
Oldesloe

L. contractilis Kahl,1928
Oldesloe

L. halophila Kahl,1932
Kiel

Trachelophyllum Claparède & Lachmann,1859

T. brachypharynx Levander,1894
Finland, Kieler Bucht in weak brackish water

PLEUROSTOMATIDA Schewiakoff,1896

Amphileptidae Bütschli,1889

Amphileptus Ehrenberg,1830

Heminotus Kahl,1933

H. caudatus Kahl,1933 (TM)
S Baltic

Hemiophrys Wrzesniewski,1870
* Possibly a synonym of *Amphilectus* Ehrenberg

H. rotunda Kahl,1930
Sylt, Genfer See

H. baltica Fenchel,1965
@ on gills, peraeopods & sideplates of *Gammarus* spp.
Askö, Öresund, Isefjord

H. filum Gruber,1??
S Baltic, Öresund

H. marina Kahl,19??
Kieler Bucht

Litonotus Wresniewski,1870

L. lamella (Ehrenberg,1838)
S Baltic, Öresund

L. binucleatus Kahl,1933
= *L. pictus* var. *binucleatus* Kahl,1933
Kieler Bucht, Öresund, Norway, Barents Sea, Murmansk, White Sea, Sylt

L. cygnus (O.F. Müller,1776?)
Kieler Bucht, Sylt, Plymouth, Black Sea

L. fasciola (Ehrenberg,18??) Wresniewski,1870?
* is not O.F. Müller the author?
S Baltic, Öresund, Plymouth

L. duplostriatus (Maupas,1???)
S Baltic

Loxophyllum Dujardin,1841

L. helus (Stokes,1884)
Kieler Bucht, Hiddensee, Sylt, White Sea, Roscoff, Mediterranean, Black Sea

L. helus v. *multiverrucosum* Kahl,19??
Kieler Bucht

L. helus v. *rotundatum* Kahl,19??
Kieler Bucht

L. levigatum Sauerbrey,1928
Kieler Bucht, Sylt, Barents Sea, White Sea, Roscoff, Black Sea

L. vermiforme Sauerbrey,1928
Kieler Bucht, Norway, White Sea, Sylt, Roscoff

L. variabilis Dragesco,1954
Öresund, White Sea, Yorkshire, W France, Mediterranean

L. rostratum Cohn,18??
= *L. meleagris* Fresenius,18??
Halland

L. setigerum Quennerstedt,1867
S Baltic, Halland

L. setigerum Quennerstedt,1867 var. *fibrillatum* Dragesco,1960
Sylt, Yorkshire, Roscoff

L. trichocystum Hartwig,1973
Sylt

L. uninucleatum Kahl,19??
Plymouth

L. fasciolatum Kahl,19??
S Baltic

L. multiplicatum Kahl,1932
S Baltic

L. perihoplophorum von Buddenbrock,19??
Helgoland

L. serratum Kahl,19??
Kieler Bucht

L. simplex Kahl,1933
Kieler Bucht

L. undulatum Sauerbrey,19??
S Baltic

L. verrucosum (Stokes,1???)
S Baltic

L. chaetonotum Borrer,1965
New Hampshire

PHARYNGOPHORIDA Small & Lynn, in Lee, Hutner & Bovee,1985

Actinobolinidae Kahl,1930

Actinobolina Strand,1928

Helicoprodonidae Jankowski, in Lee, Hutner & Bovee,1985

Helicoprodon Fauré-Fremiet,1950

H. gigas (Kahl,1933)
Kieler Bucht, Öresund, Drøbak, Sylt, Helgoland, French Atlantic, Mediterranean, Black Sea, N Russia, E USA, W Africa

H. minutus Bock,1952
Kieler Bucht, Öresund, Sylt, Roscoff, Black Sea, White Sea

H. multinucleatum Dragesco,1960
White Sea, French Atlantic, Bermuda, Brazil

H. barbatus ??,19??
?

H. maximus ?Dragesco,19??
France

Tracheliidae Ehrenberg,1838

Dileptus Dujardin,1840

D. marinus Kahl,19??
S Baltic

D. estuarinus Dragesco,19??
Öresund

D. anser (O.F. Müller,1786)
= *Vibrio anser* O.F. Müller,1786
Visby

Paradileptus Wenrich,1929

Teuthophrys Chatton & Beauchamp,1923

Trachelius Schrank,1803

T. gutta Sarhage,1???
Kieler Bucht

Acropisthium Perty,1852
* genus incertae sedis

TRICHOSTOMATIA Bütschli,1889

VESTIBULIFERIDA de Puytorac & al.,1974

Balantidiidae Reichenow, in Doflein & Reichenow,1929

Balantidium Claparède & Lachmann,1858

Isotrichidae Bütschli,1889

Dasytricha Schuberg,1888

Isotricha von Stein,1859

Paraisotrichidae da Cunha,1917

Paraisotricha Fiorentini,1890

Coelosomididae Corliss,1961
* not included in Small & Lynn,1965

Coelosomides Strand, 1928

C. marina Anigstein,1912
France, Black Sea, Caspian Sea, Bermuda, Brazil

C. tessieri Dragesco,1954
?

Conchostoma Fauré-Fremiet,1963

C. longissimum Fauré-Fremiet, 1963 (TM)
Öresund, Yorkshire, Concarneau

Epimecophrya Kahl, 1933
*incertae sedis

E. cylindrica Kahl, 1933 (TM)
Helgoland

ENTODINIOMORPHIDA Reichenow, in Doflein & Reichenow, 1929

ARCHISTOMATINA de Puytorac & al., 1974

Buetschliidae Poche, 1913

Alloiozona Hsiung, 1930

Didesmis Fiorentini, 1890

Polymorphella Corliss, 1960

BLEPHAROCORYTHINA Wolska, 1971

Blepharocorythidae Hsiung, 1929

Blepharocorys Bundle, 1895

Circodinium Wolska, 1971

Ochoterenaia Chavarria, 1933

Raabena Wolska, 1967

ENTODINIOMORPHINA Reichenow, in Doflein & Reichenow, 1929

Cycloposthiidae Poche, 1913

Cycloposthium Bundle, 1895

Triplumaria Hoare, 1937

Ophryoscolecidae von Stein, 1859

Entodinium von Stein, 1859

Enoploplastron Kofoid & MacLennan, 1932

Eremoplastron Kofoid & MacLennan, 1932

Eudiplodinium Dogiel, 1927

Ophryoscolex von Stein, 1859

Ostracodinium Dogiel, 1927

Spirodiniidae Strelkow, 1939

Cochliatoxum Gassovsky, 1919

CYRTOPHORA Small, 1976

PHYLLOPHARYNGEA de Puytorac & al., 1974

Silenella Fenchel, 1965

* Systematic position very unclear. May possibly be a larval suctionian

S. ovoidea Fenchel, 1965 (TM - Askö)
@ on gills & peraeopods of *Gammarus duebeni*
Askö

PHYLLOPHARYNGIA de Puytorac & al., 1974

CYRTOPHORIDA Fauré-Fremiet, in Corliss, 1956

CHLAMYDODONTINA Deroux, 1976

Chilodoneillidae Deroux, 1970

Alinostoma Jankowski, in Lee, Hutner & Bovee, 1985

Chilodonella Strand, 1928

C. uncinata (Ehrenberg, 18??)
Plymouth

C. calkinsi Kahl, 19??

?

C. psammophila Dragesco, 19??

?

C. cyprini (Moroff, 1902) Strand, 1928
@ freshwater & estuarine fish
E Baltic

Phascalodon von Stein, 1859

Thigmogaster Deroux, 1976

Trithigmostoma Jankowski, 1967

Chitonellidae Small & Lynn, in Lee, Hutner & Bovee, 1985

Chitonella Small & Lynn, in Lee, Hutner & Bovee, 1985

Chlamydodontidae von Stein, 1859

Chlamydodon Ehrenberg, 1835

C. triquetrus (O.F. Müller, 1776)
W Baltic, Sylt, Barents Sea, Murmansk, White Sea, Yorkshire, Plymouth, France, E USA

C. obliquus Kahl, 19??
Öresund

C. mnemosyne Ehrenberg, 18??
Öresund, Halland

C. cyclops Entz, 18??
?

Cyrtophoron Deroux, 1975

Lynchellidae Jankowski, 1968

Atopochilodon Kahl, 1933

A. arenifer Kahl, 19??
Helgoland

Chlamydonella Deroux, 1970

Coeloperix Deroux, 1976

Gastronauta Engelmann, 1875

Lynchella Kahl, 1933

L. gradata Kahl, 19??
Kieler Bucht, Öresund

L. aspidisciformis Kahl, 19??
Helgoland

DYSTERIINA Deroux, 1976

Dysteriidae Claparède & Lachmann, 1858

Dysteria Huxley, 1857

D. aculeata Claparède & Lachmann, 18??
Plymouth

D. monostyla (Ehrenberg, 18??) von Stein, 18??
?= *Euplotes monostylus* Ehrenberg, 18??
?Halland, Plymouth, New Hampshire

D. marina Gourret & Roeser, 19??
New Hampshire

Hartmannulopsis Deroux & Dragesco, 1968

Microdysteria Kahl, 1933

M. aplanata Kahl, 19??
Kieler Bucht

Trochilia Dujardin, 1841

T. fluviatilis Smith, 1???
Plymouth

T. salina Entz, 18??
Plymouth

T. sp.: Fenchel, 1965
@ between gills and sideplates of *Gammarus* spp.
Öresund, Isefjord

Hartmannulidae Poche, 1913

Aegyriana Deroux, 1975

Brooklynella Lom & Nigrelli, 1970

B. hostilis Lom & Nigrelli, 1970
@ gills of various fish hosts (typically in aquaria)
USA

Hartmannula Poche, 1913

Microxysma Deroux, 1977

Orthotrochilia Deroux, 1977

Trochilioides Kahl, 1931

T. trivialis Fenchel, 1965
@ *Gammarus* spp.
Askö, Öresund, Isefjord

T. recta Kahl, 19??
Askö, Öresund

T. oculata Kahl, 19??
Kieler Bucht

T. sp. a: Fenchel, 1965
@ on pleopods of *Gammarus duebeni*
Askö rock pools

Trichopodiella Corliss, 1960

Plesiotrichopidae Deroux, 1976

Atelepithites Deroux, 1976

Pithites Deroux & Dragesco, 1968

Plesiotrichopus Fauré-Fremiet, 1965

Trochochilodon Deroux, 1976

HYPOCOMATINA Deroux, 1976

Hypocomidae Bütschli, 1889

Crateristoma Jankowski, 1967

Hypocoma Grüber, 1884

H. parasitica Grüber, 1884?
@ preying on colonial peritrichs on *Gammarus oceanicus* Segerstråle; Mediterranean *Zoothamnium*
Askö, Öresund, Isefjord, Mediterranean

H. zoothamni (Plate, 1888)
= *Acinetoides zoothamni* Plate, 1888
@ *Zoothamnion*
?Britain

H. acinetarum Collin, 1907
@ *Ephelota gemmipara*, *Acineta papillifera* & other free-living suctionians
?Britain

H. ascidiarum Collin, 1912

@ e.g. *Ascidia aspersa* & *Botryllus*
?France

Parahypocoma Chatton & Lwoff,1939

P. collini ?Chatton & Lwoff,1939?

@ *Ciona intestinalis*, *Ascidia mentula* & *Clavelina lepadiformis*
?France

P. rhamphisokarya ??Burrison,1973??

@ e.g. *Ascidia callosa*
Pacific

Rhynchocoma Jankowski,1975

= *Heterocoma* Chatton & Lwoff,1939 (homonym)

R. hyperparasitica (?Chatton & Lwoff,1939?)

= *Heterocoma hyperparasitica* ?Chatton & Lwoff,1939? (TM)
@ *Trichophrya salparum* from *Salpa* sp.
?France

RHYNCHODIIDA Chatton & Lwoff,1939

RHYNCHODIINA Chatton & Lwoff,1939

Sphenophryidae Chatton & Lwoff,1921

Gargarius Chatton & Lwoff,1934

G. gargarius Chatton & Lwoff,1934
= *Rhynchophrya cristallina* Raabe,1935
@ *Mytilus edulis* L.
Gdynia, S France

Pelecophrya Chatton & Lwoff,1922

P. tapetis Chatton & Lwoff,1922

@ *Venerupis aureus*, non other *Venerupis* or *Tapes* species
Roscoff

Sphenophrya Chatton & Lwoff,1921

S. dosinia (Chatton & Lwoff,1921)

= *S. myae* Mjassnikova,1930
@ *Dosinia exoleta* (L.), *Timoclea ovata* (Pennant), *Corbula gibba* (Oliv), *Spisula solidissima* Dillwyn, *Mya truncata* L. & *Mya arenaria* L.
Askö, Gdynia, Öresund, Gullmarfjord, White Sea, Roscoff, E USA

S. cardii Chatton & Lwoff,1950

@ *Cerastoderma edule* (L.) & *Cerastoderma glaucum*
Gdynia, Öresund, Roscoff

ANCISTROCOMINA Chatton & Lwoff,1939

Ancistrocomidae Chatton & Lwoff,1939

Ancistrocoma Chatton & Lwoff,1926

A. myae (Kofoid & Busch,1936)

= *Parachaenia myae* Kofoid & Busch,1936
@ *Mya arenaria* L.
Öresund, Gullmarfjord, Woods Hole, California, non Baltic

A. thorsoni Fenchel,1965

@ *Abra nitida* (Müller)
Gullmarfjord

A. pelseeneeri Chatton & Lwoff,1926

@ *Macoma balthica*
Gdynia, Wimerex

A. pholadis ?Chatton & Lwoff,1926?

@ *Barnea candida*
Wimerex

A. sp. : Fenchel,1965

@ *Venerupis aurea*
Gullmarfjord

Anisocomides Chatton & Lwoff,1950

A. zyrphaeae (?Chatton & Lwoff,1926?)

= *Hypocomides zyrphaeae* ?Chatton & Lwoff,1926?
@ *Zirfaea crispata*
Wimerex

Colligocinetina Kozloff,1965

Crebricoma Kozloff,1946

C. carinata (Raabe,1934)

= *Hypocomina carinata* Raabe,1934
@ *Mytilus edulis* L.
Askö, Gdynia, Öresund, Gullmarfjord

C. kozloffii ??,19??

@ *Mytilus edulis*
California

Goniocoma Chatton & Lwoff,1950

G. macomae (Chatton & Lwoff,1926)

= *Hypocomella macomae* Chatton & Lwoff,1926
@ *Macoma balthica* (L.) & *Abra alba* (Wood)
Gullmarfjord, non Askö, non Öresund

Heterocinetopsis Jarocki,1935

Holocoma Chatton & Lwoff,1950

H. primigenius Chatton & Lwoff,1950

@ *Macoma balthica* (L.)
Askö, non Öresund, ?France

Hypocomagalma Jarocki & Raabe,1932

H. dreissenae Jarocki & Raabe,1932
@ *Dreissena polymorpha* (Pallas) (in fresh & brackish water)
Baltic & Danish rivers & lakes

Hypocomatidium Jarocki & Raabe,1932

H. jarockii ?Chatton & Lwoff,1950?

@ *Nucula nucleus*
Banyuls-sur-mer

Hypocomella Chatton & Lwoff,1922

H. raabei Chatton & Lwoff,1950

@ *Cerastoderma edule* (L.), *Cerastoderma glaucum* & *Parvicardium exiguum*
Askö, Gdynia, Öresund, Roscoff

H. cardii Chatton & Lwoff,1922

@ *Cerastoderma edule* (L.)
Roscoff

Hypocomides Chatton & Lwoff,1922

H. modiolariae Chatton & Lwoff,1922?

@ *Musculus marmoratus* (Forbes)
Roscoff

H. elsinora Fenchel,1965

= *H. modiolariae* : Fenchel,1964, non Chatton & Lwoff,1922?
@ *Musculus niger* (Gray)
Öresund

H. musculus Fenchel,1965

@ *Musculus discors* (L.)
Gullmarfjord

H. astartae Fenchel,1965

@ *Astarte montagui* (Dillwyn)
Gullmarfjord

H. hiatellae Fenchel,1965

@ *Hiatella arctica* (L.) &/or *H. striata* (Fleuriau)
Gullmarfjord

Hypocomidium Raabe,1938

H. fabius ?Raabe,1938?

@ *Cerastoderma glaucum*
Poland

H. granum ?Raabe,1938?

@ *Mya arenaria*
Poland

Ignotocoma Kozloff,1961

Insignicoma Kozloff,1946

Isocomides Chatton & Lwoff,1950

I. mytili (Chatton & Lwoff,1922)

= *Hypocomides mytili* Chatton & Lwoff,1922 (TM)
@ *Mytilus edulis* L.
Askö, Öresund, Gullmarfjord, Roscoff, Sète

Raabella Chatton & Lwoff,1950

R. helensis Chatton & Lwoff,1950

@ *Mytilus edulis* L.
Askö, Gdynia, Öresund, Gullmarfjord

CHONOTRICHIA Wallengren,1895

EXOGEEMMIDA Jankowski,1972

Chilodochonidae Wallengren,1895

Chilodochona Wallengren,1895

Vasichona Jankowski,1972

Filichonidae Jankowski,1973

Aurichona Jankowski,1973

Filichona Jankowski,1973

Heliochonidae Jankowski,1972

Heliochona Plate,1888

H. sessilis Plate,1888

@ gills of *Gammarus locusta* L., *Gammarus oceanicus* Segerstråle, *G. salinus* Spooner
Kieler Bucht, Öresund, Isefjord, non Askö, North Sea

H. scheuteni (von Stein,1854)
@ anterior side of pleopod rami of *Gammarus* spp.
Askö, Kieler Bucht, Öresund, Isefjord, Gullmarfjord, Netherlands

Heterochona Jankowski,1972

Lobochonidae Jankowski,1967

Eleutherochona Jankowski,1971

Lobochona Dons,1940

L. limnorae Dons,1940 (TM*)

@ on uterod hairs of *Limnoria lignorum*
Trondheim

Oenophorachona Matsudo & Mohr,1968

Toxochona Jankowski,1972

Phyllochonidae Jankowski,1972

Phyllochona Jankowski,1972

Spirochonidae von Stein,1854

Cavichona Jankowski,1973

Serpentichona Jankowski,1973

Spirochona von Stein,1852

CRYPTOGEEMMIDA Jankowski,1975

Actinichonidae Jankowski,1973

- Actinichona* Jankowski, 1973
Carinichona Jankowski, 1973
Cristichona Jankowski, 1973
Rhizochona Jankowski, 1973
Echinichonidae Jankowski, 1973
Coronochona Jankowski, 1973
Echinichona Jankowski, 1973
Eurychona Jankowski, 1973
Inversochnonidae Jankowski, 1973
Ceratochona Jankowski, 1973
Chonosaurus Jankowski, 1973
Inversochnona Jankowski, 1973
Kentrochona Rompel, 1894
Pleochona Jankowski, 1973
Isochnonidae Jankowski, 1973
Isochona Jankowski, 1973
Trichochona Mohr, 1948
Stylochonidae Mohr, 1948
Armichona Jankowski, 1973
Denticchona Jankowski, 1973
Eriochona Jankowski, 1973
Flectichona Jankowski, 1973
Oxychonina Corliss, 1979
Spinichona Jankowski, 1973
Stylochona Kent, 1881
SUCTORIA Claparède & Lachmann, 1858
EXOGENIDA Collin, 1912
Ephelotidae Kent, 1882
Ephelota Wright, 1858
E. gemmipara Hertw., 1876
 @ different algae & animals
 Kieler Bucht, ?Britain
E. mammilata Dons, 1918
 @ *Diphasia abietina*
 Tromsø
E. cothurnata Dons, 1918
 @ Phaeophyta, Rhodophyta & hydroids
 Tromsø
Podocyathus Kent, 1882
P. excavatus Dons, 1938
 Bodo
P. diadema Kent, 1882?
 ?
P. cidaris (Kent, 18??)
 ?
Ophryodendridae von Stein, 1867
Loricodendron Jankowski, 1973
Ophryodendron Claparède & Lachmann, 1859
O. multiramum Wenzel, 1961
 @ possibly feeding on content of Sponge cells
 ?Mediterranean
O. trinacrium Gruber, 18??
 Greenland
Parapodophryidae Jankowski, 1973
Parapodophrya Kahl, 1931
Podophryidae Haeckel, 1866
Corynophrya Kahl, 1934
Kystopus Jankowski, 1967
Podophrya Ehrenberg, 1838
P. tortuosa Dons, 1918
 @ small Phaeophyta
 Tromsø
P. fixa (O.F. Müller, 1786) Ehrenberg, 18??
 = *Trichoda fixa* O.F. Müller, 1786
 Halland
 ?*P. patula* Claparède & Lachmann, 18??
 Greenland
Sphaerophrya Claparède & Lachmann, 1859
Rhabdophryidae Jankowski, 1970
Dendrosomides Collin, 1906
D. truncata Dons, 1918
 @ Phaeophyta & hydroids
 Tromsø
Trophogemma Jankowski, 1970
Spelaeophryidae Jankowski, in Batisse, 1975
Spelaeophrya Stammer, 1935
Tachyblastonidae Grell, 1950
Tachyblaston Martin, 1909
T. ephelotensis Martin, 1909
 = *Dactylophrya roscovita* Collin, 1909
 @ *Ephelota gemmipara* (host specific)
 Engl. Channel
Thecacinetidae Matthes, 1956
Thecacineta Collin, 1909
T. inclusa (Meunier, 1910)
 @ usually dorsal side of Halacaridae
 N Norway, Barents Sea, Kara Sea
T. halacari Schulz, 1933
 @ Halacarids & Ostracods
 Kieler Bucht
Urnulidae Fraipont, 1878
Metacineta Bütschli, 1889
Paracineta Collin, 1911
P. oviformis Dons, 1918
 @ tube of *Spirorbis*
 N Norway
P. irregularis Dons, 1927
 @ setae of *Pherusa plumosa*
 W Norway
P. divisa Fraipont, 1878
 @ *Mysella bidentata* & *Mya arenaria*
 Kieler Bucht, North Sea, Mediterranean, Black Sea
Urnula Claparède & Lachmann, 1859
ENDOGENIDA Collin, 1912
Acinetidae von Stein, 1859
Acineta Ehrenberg, 1833
A. foetida Eichwald, 1847
 @ *Gammarus* spp. (most often on distal end of pleopod peduncles)
 Askø, Kieler Bucht, Öresund, Isefjord
A. sulcata Dons, 1927
 = *A. benesaepa* Schulz, 1933
 @ Halacaridae & Ostracoda
 Kieler Bucht, N Norway
A. laevis Dons, 1918
 @ e.g. green algae, *Delesseria* & *Spirorbis*
 Tromsø
A. dirisa
 ?France
A. tuberosa Ehrenberg, 18??
 @ *Gammarus*, *Idothea* etc.
 Kieler Bucht, Halland, Roscoff
A. schulzi Kahl, 1934
 @ Copepoda
 Kieler Bucht
A. amphiasci Precht, 1935
 @ *Amphiascus typhlops*
 Kieler Bucht
A. branchicola Precht, 1935
 @ gills of *Carcinus maenas* & *Crangon crangon*
 Kieler Bucht
A. laomedae Precht, 1935
 @ *Laomedea*
 Kieler Bucht
A. harpacticicola Precht, 1935
 @ *Nitocra spinipes*
 Kieler Bucht
A. papillifera
 ?France
Acinetopsis Robin, 1879
Loricophrya Matthes, 1956
Pseudocorynophrya Small & Lynn, in Lee, Hutner & Bovee, 1985
Trematosoma Batisse, 1972
Dendrosomatidae Fraipont, 1878
Dendrosoma Ehrenberg, 1838
Lernaephyra Pérez, 1903
Platophrya Gönner, 1935
Trichophrya Claparède & Lachmann, 1859
T. piscium
 @ fish
 E Baltic
T. salparum Entz, 1884

- = *Trichophrya ascidiarium* Lachmann, 1859 (n. nud.)
 = *Actinobranchion salparum* : Théodorides, 1989
 * there may be two species, one in salps and another in ascidians; if so the one in ascidians probably should be named *T. ascidiarium* Chatton & Lwoff, 1939
 @ e.g. *Salpa* sp., *Thalia democratica*, *Ciona intestinalis*, *Botryllus*, *Molgula manhattensis*, *Asciidiella aspersa* & *Ascidia callosa*
 ?France, Mediterranean, Woods Hole
- T. danae* Grøntved, 1951
 * pelagic in surface water
 Denmark Strait, SE Greenland, Davis Strait
- T. pelagica* (von Daday, 1888)
 = *Sphaerophrya pelagica* von Daday, 1888
 * possibly a young form of *T. salparum*
 Gulf of Naples
- Endosphaeridae** Jankowski, in Corliss, 1979
- Endosphaera** Engelmann, 1876
- Tokophridae** Jankowski, in Lee, Hutner & Bovee, 1985
- Choanophrya** Hartog, 1902
- Hypophrya** López-Ochoterena, 1964
- Multifasciculatum** Goodrich & Jahn, 1943
- Pottsiocles** Corliss, 1960
 = *Pottisia* Chatton & Lwoff, 1927, non Ryder, 1885 (Coelenterata)
 = *Pottsiodes* Corliss, 1960
- P. infusiorum** (Chatton & Lwoff, 1927)
 = *Pottisia infusiorum* Chatton & Lwoff, 1927 (TM)
 @ *Folliculina ampulla*, *F. elegans*, *Cothurnia socialis* & *C. ingenita* & ?other folliculinids
 Monaco, ?Maine
- Pseudogemma** Collin, 1909
- P. fraiponti** ?Collin, 19??
 @ *Acineta dirisa*
 ?France
- P. pachystyla** ?Collin, 19??
 @ *Acineta tuberosa*
 ?France
- P. keppeni** ?Collin, 19??
 @ *Acineta papillifera*
 ?France
- Rhyncheta** Zenker, 1866
- Tokophrya** Bütschli, 1889
- T.** sp. : Precht, 1935
 @ *Neomysis vulgaris*
 Kieler Bucht
- EVAGINOGENIDA** Jankowski, in Corliss, 1979
- Cyathodiniidae** da Cunha, 1914
- Cyathodinium** da Cunha, 1914
- Dendrocometidae** Haeckel, 1866
- Cometodendron** Swarczewsky, 1928
- Dendrocometes** von Stein, 1852
- Dendrocometides** Swarczewsky, 1928
- Stylocometes** von Stein, 1867
- Discophridae** Collin, 1912
- Anarma** Goodrich & Jahn, 1943
- Discophrya** Lachmann, 1859
- Periacineta** Collin, 1909
- Prodiscophrya** Kormos, 1935
- Squalorophrya** Goodrich & Jahn, 1943
- Testudinicola** Jahn, Bovee & Jahn, 1979
- Heliophryidae** Corliss, 1979
- Heliophrya** Saedeleer & Tellier, 1930
- NASSOPHOREA** Small & Lynn, 1981
- NASSOPHORIA** Small & Lynn, 1981
- SYNHYMENIDA** de Puytorac & al., 1974
- Orthodonellidae** Jankowski, 1968
- Orthodonella** Bhatia, 1936
 = *Orthodon* (homonym) = *Rhabdodon* (homonym)
- O. hamatus** (Gruber, 1???)
 ?
- Zosterodasys** Deroux, 1978
- Nassulopsidae** Deroux, in Corliss, 1979
- Nassulopsis** Fauré-Fremiet, 1959
- Phsmatopsis** Deroux, 1978
- Scaphidiodontidae** Deroux, in Corliss, 1979
- Chilodontopsis** Blochmann, 1895
- C. elongata** Kahl, 19??
 Öresund
- C. transversa** Kahl, 19??
 ?
- C. vorax** (Stokes, 1???)
 ?
- C. caudata** Kahl, 19??
 S Baltic, Plymouth
- Scaphidiodon** von Stein, 1959
- S. navicula** (O.F. Müller, 17??) von Stein, 1859
 Sylt, Yorkshire, Mauretania
- Synhymeniidae** Jankowski, in Lee, Hutner & Bovee, 1985
- Synhymenia** Jankowski, 1967
- NASSULIDA** Jankowski, 1967
- NASSULINA** Jankowski, 1967
- Nassulidae** de Fromental, 1874
- Nassula** Ehrenberg, 1833
- N. aurea** Ehrenberg, 18??
 Plymouth
- N. citrea** Kahl, 19??
 ?
- N. halophila** Gurwitsch, 1???
 ?
- Stomatophrya** Kahl, 1933
 * Incertae sedis
- S. singularis** Kahl, 1933 (TM)
 Kieler Bucht
- PARAHYMNENOSTOMATINA** Grain & al., 1976
- Furgasoniidae** Corliss, 1979
- Furgasonia** Jankowski, 1964
- Paranassulidae** Fauré-Fremiet, 1962
- Enneameron** Jankowski, 1964
- Paranassula** Kahl, 1931
- P. brunnea** (Fabre-Domergue, 18??)
 ?
- MICROTHORACIDA** Jankowski, 1967
- Discotrichidae** Jankowski, 1975
- Discotricha** Tuffrau, 1954
- D. papillifera** Tuffrau, 1954 (TM)
 Öresund
- Microthoracidae** Wrzesniowski, 1870
- Drepanomonas** Fresenius, 1858
- Kreyella** Kahl, 1931
- Microthorax** Engelmann, 1862
- PROPENCULIDA** Small & Lynn, in Lee, Hutner & Bovee, 1985
- Leptopharyngidae** Kahl, 1926
- Leptopharynx** Mermod, 1914
 = *Trichoderum* = *Trichopelma* Levander, 1900, non Simon, 1888 (Arachnida)
- L. torpens** (Kahl, 19??)
 = *Trichopelma torpens* Kahl, 19??
 Plymouth
- Pseudomicrothorax** Mermod, 1914
- PENCULIDA** Fauré-Fremiet, in Corliss, 1956
- FRONTONINA** Small & Lynn, in Lee, Hutner & Bovee, 1985
- Clathrostomatidae** Kahl, 1926
- Clatrostoma** Penard, 1922
- Frontoniidae** Kahl, 1926
- Disematostoma** Lauterborn, 1894
- Didieria** Small & Lynn, in Lee, Hutner & Bovee, 1985
- Frontonia** Ehrenberg, 1838
- F. arenaria** Kahl, 1933
 Kieler Bucht, Öresund, Sylt, Barents Sea, Murmansk, White Sea, Mediterranean Black Sea
- F. marina** Fabre-Domergue, 1891
 Askö, W Baltic, Öresund, Hiddensee, Sylt, Barents Sea, Plymouth, French Atlantic, Mediterranean, Black Sea, Kamerun, E USA
- F. algivora** Kahl, 19??
 Öresund
- F. microstoma** Kahl, 19??
 Askö, Öresund
- F. fusca** var.? Kahl, 19??
 Kieler Bucht
- Paraclathrostoma** Small & Lynn, in Lee, Hutner & Bovee, 1985
- Schistophrya** Kahl, 1933
 * incertae sedis

S. aplanata Kahl,1933 (TM)
S Baltic

Wenrichia Jankowski,1967

Lembadionidae Jankowski, in Corliss,1979

Lembadion Perty,1849

Maritujidae Jankowski, in Lee, Hutner & Bovee,1985

Marituja Gajewskaja,1928

Stokesiidae Roque,1961

Stokesia Wenrich,1929

PARAMECHINA Jankowski, in Lee, Hutner & Bovee,1985

Parameciidae Dujardin,1840

Paramecium O.F. Müller,1773

* mainly fresh water species, a few species in the "bursaria" group occur in salt & brackish water.

P. calkinsi Woodruff,19??

Öresund

P. sp. : Hartwig,1973

Sylt

Neobursariidae Dragesco & Tuffrau,1967

Neobursarium Balech,1941

Urocenridae Claparède & Lachmann,1858

Urocentrum Nitzsch,1827

HYPOTRICHIA von Stein,1859

EUPLOTIDA Small & Lynn, in Lee, Hutner & Bovee,1985

EUPLOTINA Small & Lynn, in Lee, Hutner & Bovee,1985

Aspidiscidae Ehrenberg,1838

Aspidisca Ehrenberg,1838

A. angulata Bock,1952

S Baltic, Öresund

A. baltica Kahl,1932

= *A. pulcherrima* var. *baltica* Kahl,1932

Baltic, Sylt

A. pulcherrima Kahl,1932

Schlei, Danziger Bucht, Öresund, Sylt, Plymouth, Roscoff

A. major Madsen,1931

W Baltic, Öresund, Sylt, White Sea, Yorkshire, French Atlantic, Mediterranean, E USA

A. lyncaster (O.F. Müller,17??) von Stein,1859

= *Trichoda lyncaster* O.F. Müller,17??

Kieler Bucht, Halland, Sylt, Helgoland, White Sea, French Atlantic, Black Sea

A. sedigita Quennerstedt,1867

Schlei, Kieler Bucht, Halland, Sylt, White Sea, French Atlantic

A. fusca Kahl,1928

Kieler Bucht, Öresund, Sylt, White Sea, Mauretania

A. irinae Burkovsky,1970

Sylt, Yorkshire, White Sea

A. costata (Dujardin,18??)

Plymouth

A. hexeris Quennerstedt,1869

Visby, Plymouth

A. lynceus Ehrenberg,18??

Visby, Öresund, Plymouth

A. turrita (Ehrenberg,18??)

Plymouth

A. binucleata Kahl,19??

Kieler Bucht

A. mutans Kahl,19??

Kieler Bucht

A. robusta Kahl,19??

S Baltic

A. aculeata (Ehrenberg,1838)

New Hampshire

A. polystyla von Stein,18??

Halland

A. steini (von Buddenbrock,19??)

?

A. crenata Fabre-Domergue,18??

?

Euplotaspis Chatton & Séguéla,1936

E. cionaecola Chatton & Séguéla,1936

@ e.g. *Ciona intestinalis* & *Ascidia callosa*

?

Euplotidae Ehrenberg,1838

Certesia Fabre-Domergue,1885

C. quadrinucleata Fabre-Domergue,1885?

S Baltic

Diophrys Dujardin,1841

D. appendiculata (Ehrenberg,1838) von Stein,1859

= *Sylonychia appendiculata* Ehrenberg,1838

= *Diophrys marina* Dujardin,1841 (TM)

?= *Schizopus norvegicus* Claparède & Lachmann,1858

S Baltic, Öresund, Sylt, Helgoland, White Sea, Yorkshire, Plymouth, French Atlantic, Mediterranean, Black Sea, Mauretania, E USA, Brazil

D. scutum (Dujardin,1841) Kahl,1932

= *Ploesconia scutum* Dujardin,1841 = *Sryloplotes grandis* Rees,1881

Askö, S Baltic, Danziger Bucht, Öresund, Sylt, Helgoland, N Russia, Plymouth, French Atlantic, Mediterranean, Black Sea, Mauretania, E USA

D. irmgard Mansfeld,1923

Kieler Bucht, Sylt, White Sea, French Atlantic, Mediterranean, Florida

D. kahli Dragesco,1963

Kieler Bucht, Sylt, Roscoff

D. multinucleata Hartwig,1973

Sylt, Yorkshire

D. tetramacronucleata Kattar,1970

Sylt, Brazil

D. oligothrix Borror,1965

New Hampshire

D. histris von Buddenbrock,1920

?

D. scutoides Agamaliyev,1967

Caspian Sea

D. magnus Raikov & Kovaleva,1969

Japan Sea

D. peloetes Borror,1965

Florida

D. quadricaudatus Agamaliyev,1967

Caspian Sea

D. kasymovi Agamaliyev,1971

Caspian Sea

Euplotes Ehrenberg,1830

E. alatus Kahl,1932

New Hampshire

E. balticus Kahl,1932

Kieler Bucht, Sylt, Helgoland, Mediterranean

E. charon (O.F. Müller,1773) Ehrenberg,1832

= *Trichoda charon* O.F. Müller,1773

* very common in rotting sea water

Visby, Halland, New Hampshire

E. harpa von Stein,1859

Askö, Öresund, Sylt, Plymouth, Mediterranean, Black Sea

E. harpa var. *marinus* Rossolimo,1???

Plymouth

E. mediterraneus Fernandez-Leborans,1985

Mediterranean

E. moebiusi Kahl,1932

Schlei, Kieler Bucht, Öresund, Hiddensee, Sylt, White Sea, Florida

E. moebiusi f. *quadricirratu* Kahl,1932

?

E. trisulcatus Kahl,1932

Danziger Bucht, Kieler Bucht, Belt Sea, Sylt, White Sea, France, Florida

E. eurytomus (Wrzesniowski,1870) Kahl,1932

Sylt

E. vannus (O.F. Müller,1786)

S Baltic, Öresund, Plymouth

E. crassus Dujardin,1841

* is forming a group together with *E. vannus* (O.F. M.)

?

E. elegans Kahl,1932

Öresund

E. elegans f. *litoralis* Kahl,1932

Kieler Bucht

E. balteatus (Dujardin,1842) Kahl,1932

@ found on *Strongylocentrotus droebachiensis* by Beers,1952

Belt Sea, White Sea, Yorkshire, French Atlantic, Mediterranean, E USA

E. bisulcatus Kahl,1932

Kieler Bucht, New Hampshire

E. cristatus Kahl,1932

S Baltic

E. minuta Yocom,1930

New Hampshire, Puget Sound

E. salina Yocom,1930

Puget Sound

E. violacea Kahl,19??

?

E. quinquicarinatus Gelei,1950

New Hampshire

Swedmarkia Dragesco,1954

S. arenicola Dragesco,1954 (TM)

Öresund, Sylt, Yorkshire, French Atlantic, S France

Gastrocirrhidae Fauré-Fremiet,1961

Cytharoides Tuffrau,1975

Euplotidium Noland,1937

Gastrocirrhus Lepsi, 1928

Uronychiidae Jankowski, in Lee, Hutner & Bovee, 1985

Uronychia von Stein, 1859

U. transfuga (O.F. Müller, 1786)
= *Trichoda transfuga* O.F. Müller, 1786
E & W Baltic, Öresund, Halland, Kristineberg, Sylt, N Russia, Plymouth, Whitstable, French Atlantic, Mediterranean, Black Sea, E USA

U. bivalvorum Fenchel, 1965
@ *Thyasira* spp.
Öresund, Gullmarfjord

U. uncinata Taylor, 19??
S Baltic

U. setigera Calkins,
Plymouth

DISCOCEPHALINA Wicklow, 1982

Discocephalidae Jankowski, 1979

Discocephalus Ehrenberg, in Hemprich & Ehrenberg, 1828

D. ehrenbergi Dragesco, 1960
Kieler Bucht, Öresund, Sylt, White Sea, Yorkshire, Roscoff, Arcachon

D. rotatorius Ehrenberg, 1838
S Baltic, Sylt, White Sea, Yorkshire, French Atlantic, Mediterranean, Cape Cod

D. minimus Dragesco, 1968
?

D. grandis Dragesco, 1954
?

Marginotricha Jankowski, 1978

Prodiscocephalus Jankowski, 1979

Psammocephalus Wicklow, 1982

Erionellidae Wicklow, 1982

Erionella Jankowski, 1978

OLIGOHYMENOPHOREA de Puytorac & al., 1974

HYMENOSTOMATIA Delage & Hérouard, 1896

HYMENOSTOMATIDA Delage & Hérouard, 1896

TETRAHYMENINA Fauré-Fremiet, in Corliss, 1956

Curimostomatidae Jankowski, 1968
@ in haemocoel of arthropods or free-living

Curimostoma Kozloff, 1954

Glaucomidae Corliss, 1971

Epenardia Corliss, 1971

Espejoia Bürger, 1908

Glaucoma Ehrenberg, 1830

G. vorax Kidder, Lilly & Claff, 1940
Woods Hole

Glaucomella Grolière, 1977

Jaocortissia Small & Lynn, in Lee, Hutner & Bovee, 1985

Tetrahymenidae Corliss, 1952

Deltopylum Fauré-Fremiet & Mugard, 1946

Lambornella Keilin, 1921

Tetrahymena Furgason, 1940

Turaniellidae Didier, 1971

Colpidium von Stein, 1860

Turaniella Corliss, 1960

OPHYROGLENINA Canella, 1964

Ichthyophthiriidae Kent, 1881

Cryptocaryon Brown, 1951

C. irritans Brown, 1951 (TM)
= *Ichthyophthirius marinus* Sikama, 1961
@ all marine teleosts kept at 20-26° C; may often reach enzootic proportions in aquaria
Marine aquaria, Warner Seas

Ichthyophthirius Fouquet, 1876
@ the cause of the "ich" disease of freshwater fish, known in China since Sung dynasty

I. multifiliis Fouquet, 1876?
@ chiefly fresh water teleosts, but survives salinities lower than 15 ppt on e.g. eels
Unterelbe, Berliner Aquarium

Ophryoglenidae Kent, 1881

Ophryoglena Ehrenberg, 1831

?*O. fusca* (Quennerstedt, 1869)
= *Panophrys fusca* Quennerstedt, 1869
Visby

O. sp.: Fenchel, 1968
Askö

SCUTICOCILIATIDA Small, 1967

PHILASTERINA Small, 1967

Pygssostoma Hentschel, 1927

* Incertae sedis in this suborder

P. thalassemae ?Hentschel, 1927? (TM)
@ alimentary tract of *Thalassena neptuni*
?Plymouth

Cinetochilidae Perty, 1852

Cinetochilum Perty, 1849

Platynematum Kahl, 1935
= *Platynema* (homonym)

P. denticulatum Kahl, 19??
S Baltic, N Öresund, Helgoland

P. hyalinum Kahl, 19??
S Baltic, Helgoland

Pseudoplatynematum Bock, 1952

P. loricaum Bock, 1952?
S Baltic

P. parvum Bock, 1952?
S Baltic

Sphenostomella Jankowski, in Lee, Hutner & Bovee, 1985

Cohnilembidae Kahl, 1933

Cohnilembus Kahl, 1933
= *Lembus* Cohn, 1866, non Guenther, 1860 (Pisces)

C. verminus (O.F. Müller, 1786)
= *Lembus velifer* Cohn, 1866 (TM of *Lembus* Cohn, 1866 - North Sea Aquarium)
= *Cyclidium elongatum* Claparède & Lachmann, 18??
* very common in rotting sea water
Visby, S Baltic, Öresund, Oslofjord

Cryptochilidae Berger, in Corliss, 1979

Cryptochilum Maupas, 1883

C. cuenoti
@ gut of *Golfingia vulgaris*
Europe

C. echini ?Cuenot, 1912?
@ gut, coelomic cavity and gonads of *Paracentrotus lividus* & *Psammechinus militaris*
Arcachon

Biggaria Kahl, 1934

Entodiscidae Jankowski, 1973

Entodiscus Madsen, 1931

E. boreale (Hentschel, 1924)
= *Cryptochilum boreale* Hentschel, 1924 (TM)
@ gut of *Echinus esculentus* & *Strongylocentrotus droebachiensis*
Frederikshavn, Shetlands, Scotland

E. indomitus Madsen, 1931
@ gut of *Strongylocentrotus droebachiensis*
Frederikshavn

Entorhipidiidae Madsen, 1931

Entorhipidium Lynch, 1929

Loxocephalidae Jankowski, 1964

Balanonema Kahl, 1931

Cardiostomatella Corliss, 1960
= *Cardiostoma* Kahl, 1928, non Sandberger, 1872 (Mollusca)
* Incertae sedis

C. vermiforme (Kahl, 1928)
= *Cardiostoma vermiforme* Kahl, 1928
W Baltic, Öresund, Sylt, White Sea, French Atlantic, Mediterranean, Mauretania, E USA

C. mononucleata Dragesco, 19??
Öresund

Dexiotricha Stokes, 1885

Loxocephalus Eberhard, 1862

Paradexiotricha Grolière, 1975

Paraloxocephalus Small & Lynn, in Lee, Hutner & Bovee, 1985

Paratetrahymena Thompson, 1963

Paralembidae Corliss & de Puytorac, in Lee, Hutner & Bovee, 1985

Magnalembus Small & Lynn, in Lee, Hutner & Bovee, 1985

Mesolembus Small & Lynn, in Lee, Hutner & Bovee, 1985

Ovolembus Small & Lynn, in Lee, Hutner & Bovee, 1985

Paralembus Kahl, 1933

P. digitiformis Kahl, 19??
?

P. rostratus Kahl, 19??
?

P. asturianus Fernandez-Leborans, Castro & Zaldumbide, 1990
?S Spain

Paranophryidae Jankowski, in Lee, Hutner & Bovee, 1985

Anophryoides de Puytorac Grolière, 1979

Mesanophrys Small & Lynn, in Lee, Hutner & Bovee, 1985

- Metanophrys* de Puytorac & al.,1974
- Mugardia* Small & Lynn, in Lee, Hutner & Bovee,1985
- Paranophrys* Thompson & Berger,1965
- P. maggii* (Cattaneo,1???)
= *Anophrys maggii* Cattaneo,1???
= *Anophrys sarcophaga* Cohn,1866
?= *Lembus sarcophagus* : Wallengren,1918
= *Paranophrys carcini* Grolière & Leglise,1977
@ facultative pathogen in e.g. *Carcinus maenas* & *Cancer pagurus*
?Öresund, Bretagne
- Parauronematidae Small & Lynn, in Lee, Hutner & Bovee,1985
- Glauconema* Thompson,1966
- Miamiensis* Thompson & Moewus,1964
- M. avidis* Thompson & Moewus,1964
?
- Parauronema* Thompson,1967
- Potomacus* Thompson,1966
- Philasteridae Kahl,1931
* Fenchel,1968 depicts an undescribed Philasterid, which attack unmetamorphosed *Spisula* larvae, held in culture in Elsinore
- Helicostoma* Cohn,1866
- H. notatum* (Möbius,18??)
Askö
- H. oblongum* Cohn,18??
?
- H. buddebrocki* Kahl,1931
@ skin of young *Zoarces viviparus*, *Solea solea* & *Pleuronectes platessa*
* may also be found interstitially
S Baltic
- H.* sp. : Hartwig,1973
Sylt
- Philaster* Fabre-Domergue,1885
- P. digitiformis* Fabre-Domergue,1885?
?
- Philasterides* Kahl,1931
- P. armata* (Kahl,19??)
?
- Pseudocohnilembidae Evans & Thomson,1964
- Anophrys* Cohn,1866
* Incertae sedis
- A. arenicola* Fernandez-Leborans,1986
?S Spain
- A. sarcophaga* Cohn,1866 (TM)
= *Lembus sarcophagus* : Auclt.
Öresund
- A. maggi*
@ pathogenic to *Carcinus maenas*
?
- Pseudocohnilembus* Evans & Thomson,1964
- P. pusillus* (Quennerstedt,1869)
= *Lembus pusillus* Quennerstedt,1869 = *Cohnilembus pusillus* : Kahl,1930-35
* very common in rotting sea water
Visby, Öresund, Halland, Plymouth
- P. cantabricus* Fernandez-Leborans, Castro & Zaldumbide,1990
?S Spain
- P. antoniensis* Fernandez-Leborans,1986
?S Spain
- P. portuensis* Fernandez-Leborans,1986
?S Spain
- P. marinus* Thompson,1966
Virginia
- Thyrophylacidae Berger, in Corliss,1961
- Plagiopyliella* Poljansky,1951
- Thyrophylax* Berger, in Corliss,1961
- Thigmophryidae Chatton & Lwoff,1926
- Conchophyllum* Raabe,1936
- Thigmophrya* Chatton & Lwoff,1923
@ in mantle cavity of marine bivalves (with one exception)
- T. saxicavae* Fenchel,1964
@ *Hiaella arctica* &/or *H. striata*
Gullmarfjord
- T. macomae* Chatton & Lwoff,1926
@ *Macoma balthica*
Askö, Gdynia, Wimereux, non Öresund
- T. annella* Fenchel,1965
@ intestine of *Malacobdella grossa* in *Arctica islandica*
Gullmarfjord
- T.* cf. *T. bivalvorum* Chatton & Lwoff,1923 : Fenchel,1965
* *T. bivalvorum* C. & Lw. is known from *Venerupis pullastra* & *Macra* (= *Spisula*) *solida* from the French channel coast
@ *Spisula elliptica*
Öresund
- T.* sp. : Fenchel,1965
@ *Phaxas pellucidus*
Öresund
- T.* sp. : Fenchel,1965
@ *Cerastoderma ovale*
Öresund
- T. tapetis* Chatton & Lwoff,1926
@ *Venerupis pullastra*
Wimereux, non Gullmarfjord
- Uronematidae Thompson,1964
- Homologastra* Kahl,1926
- Urocydon* Small & Lynn, in Lee, Hutner & Bovee,1985
- Uronema* Dujardin,1841
- U. marinum* Dujardin,1841
@ this bacteriophage may cause high mortalities in oyster hatcheries & may also cause enzootics & mortalities among different aquarium fish species
* very common in rotting sea water
Visby, Kieler Bucht, Öresund, Limfjorden, Frederikshavn, Sylt, Helgoland, Barents Sea, White Sea, Plymouth, Whitstable, E USA
- U. filificum* Kahl,1932
Plymouth, New Hampshire
- U. acutum* von Buddenbrock,1920
New Hampshire, Gulf of Mexico
- U. acutum* v. *multistriatum* Madsen,1931
Frederikshavn
- U. elegans* Maupas,1???
Öresund
- U. pluricaudatum* Noland,1937
?
- U. constantiana* Tucolesco,1962
?
- U. botuliformis* Wenzel,1961
* probably a member of Philasteridae sensu Borror,1965
?
- U. castillonensis* Fernandez-Leborans, Castro & Zaldumbide,1990
?S Spain
- Uropedalium* Kahl,1928
- U. pyriforme* Kahl,19??
S Baltic
- Urozonidae Grolière,1975
- Urozona* Schewiakoff,1889
- PLEURONEMATINA Fauré-Fremiet, in Corliss,1956
- Calypotrichidae Small & Lynn, in Lee, Hutner & Bovee,1985
- Calypotricha* Phillips,1882
- Conchophthiridae Kahl, in Doflein & Reichenow,1929
- Conchophthirus* von Stein,1861
@ in mantle cavity of freshwater bivalves
- Ctedectomatidae Small & Lynn, in Lee, Hutner & Bovee,1985
- Composomella* Small & Lynn, in Lee, Hutner & Bovee,1985
- Ctedectoma* Stokes,1884
- Hippocomos* Czupik & Jordan,1977
- Paractedectoma* Small & Lynn, in Lee, Hutner & Bovee,1985
- Cyclidiidae Ehrenberg,1838
- Cristigera* Roux,1899
- C. media* Kahl,19??
Oldesloe, Öresund, Plymouth
- C. phoenix* Penard,
Plymouth
- C. minuta* Kahl,19??
Kieler Bucht
- C. setosa* Kahl,19??
S Baltic
- C. sulcata* Kahl,19??
Kieler Bucht
- C. cirrifera* Kahl,1928
Frederikshavn
- C. constricta* Madsen,1931
Frederikshavn
- C. vestita* ??,1???
Oldesloe
- Cyclidium* O.F. Müller,1786
- C. citrullus* Cohn,1865
* very common in rotting sea water
Visby, Öresund, Kattegatt, Limfjorden, Frederikshavn
- C. candens* Kahl,19??
S Baltic, ?Plymouth
- C. glaucoma* O.F. Müller,1786
Frederikshavn, Plymouth

- C. elongatum* Schewiakoff,19??
S Baltic
- C. veliferum* Kahl,19??
Kieler Bucht
- C. plouneouri* Dragesco,1963
New Hampshire
- C. marinum* Borrer,1963
?
- Echinocyclidium* Jankowski, in Lee, Hutner & Bovee,1985
- Paracyclidium* Small & Lynn, in Lee, Hutner & Bovee,1985
- Pseudocyclidium* Small & Lynn, in Lee, Hutner & Bovee,1985
- Dragescoidea Jankowski, in Lee, Hutner & Bovee,1985
- Dragescoa* Jankowski,1974
- Histiobalantiidae de Puytorac & Corliss, in Corliss,1979
- Histiobalantium* Stokes,1886
- H. marinum* (Kahl,1933)
= *Histiobalantium marinum* Kahl,1933
Kieler Bucht, Öresund, White Sea, Yorkshire, Roscoff, Concarneau
- H. marinum* v. *majus* (Kahl,19??)
Kieler Bucht
- Peniculistomatidae Fenchel,1965
- Echinosociella* Berger, in Lee, Hutner & Bovee,1985
- Peniculistoma* Jankowski,1964
= *Kidderia* Raabe,1934 (homonym) = *Morgania* Kahl,1934 (homonym)
- P. mytili* (DeMorgan,1925)
= *Conchophthirus mytili* DeMorgan,1925 (TM - Plymouth)
= *Kidderia mytili* : Raabe,1934 = *Morgania mytili* : Kahl,1934
@ mantle cavity (especially the foot) of *Mytilus edulis*
Askö, Gdynia, Öresund, Bohusl., Frederikshavn, Murmansk, Plymouth, Roscoff, E USA
- Pleuronematidae Kent,1881
- Pleurocoptes* Wallengren,1896
- Pleuronema* Dujardin,1836
- P. marinum* Dujardin,1841
W Baltic, Öresund, Halland, Sylt, White Sea, Yorkshire, Plymouth, French Atlantic, Mediterranean, Black Sea, Mauretania, E USA
- P. coronatum* Kent,1881
Kieler Bucht, Öresund, Hiddensee, Sylt, Helgoland, White Sea, Yorkshire, French Atlantic, Mediterranean, Black Sea, Kamerun, E USA, Brazil
- P. crassum* Dujardin,18??
Plymouth
- P. arenicola* Dragesco,1960
?
- P. oculata* Dragesco,1960
?
- P. simplex* Dragesco,1960
?
- Schizocalypra* Dragesco,1968
- Thigmocomidae Kazubski,1958
- Thigmocoma* Kazubski,1958
- THIGMOTRICHINA Chatton & Lwoff,1922
- Ancistridae Issel,1903
- Ancistrum* Maupas,1883
- A. caudatum* Fenchel,1964
@ *Musculus niger* (Gray) & *Modiolus modiolus* (L.)
Öresund, Gullmarfjord
- A. dosinae* Chatton & Lwoff,1926
@ *Dosinia exoleta* (L.)
Gullmarfjord, Baie de Morlaix
- A. arcopagiae* Fenchel,1965
@ *Arcopagia crassa* (Pennant)
Gullmarfjord
- A. crassum* Fenchel,1965
?= *A. tapetis* Chatton & Lwoff,1926 (nomen nudum - in *Venerupis pullastra*)
@ *Venerupis aurea* (Gmelin) & *Venerupis pullastra* (Montagu)
Gullmarfjord
- A. venerupis* Fenchel,1965
@ *Venerupis aurea* (Gmelin)
Gullmarfjord
- A. nuculae* Fenchel,1965
@ *Nucula turgida* Leckenby & Marshall
Öresund, Gullmarfjord
- A. abrarum* Fenchel,1965
@ *Abra nitida* (Müller)
Gullmarfjord
- A. macomae* Chatton & Lwoff,1949
= *A. tellinae* : Raabe,1936, non Issel,1903
@ *Macoma balthica* (L.) & *Tellina tenuis* da Costa
Askö, Gdynia, Öresund, Roscoff
- A. hydrobiae* Raabe,1936
@ *Hydrobia ulvae* (Pennant) & *Hydrobia ventrosa* (Montagu)
Gdynia, Öresund, Frederikshavn
- A. mytili* (Quennerstedt,1867)
= *Opalina mytili* Quennerstedt,1867 (TM)
= *Anoplophrya mytili* : Kent,1882
@ *Mytilus edulis* L. (?& *Modiolus modiolus* (L.))
Askö, Gdynia, Öresund, Halland, Bohusl., Frederikshavn, Plymouth, Roscoff, Mediterranean, E USA
- A. isseli* Kahl,19??
@ *Modiolus barbatus* & *Modiolus modiolus*
Mediterranean, NE America
- Ancistrumina* Raabe,1959
- A. kofoidi* (Busch,1937)
= *Ancistrina kofoidi* Busch,1937
@ *Petricola pholadiformis*
California
- Protophrya* Kofoid,1903
- P. ovicola* Kofoid,1903 (TM - New Port - in *Littorina saxatilis*)
= *Isselina intermedia* Cépède,1910
@ mantle cavity of *Littorina* spp.
Gullmarfjord, Frederikshavn, Plymouth, Boulogne
- Hemipeiridae König,1894
- Ancistrospira* Chatton & Lwoff,1926
- A. veneris* Chatton & Lwoff,1926
@ *Astarte elliptica*, *Astarte sulcata*, *Astarte fusca*, *Venus fasciata*
Öresund, Gullmarfjord, S France
- Plagiopira* Issel,1903
- P. crinita* Issel,1903
@ *Loripes lacteus* (Poli), *Cardia calyculata* Brugière, *Divaricella divaricata* (L.), *Nucula nucleus* (L.), *Nucula turgida* Leckenby & Marshall, *Thyasira flexuosa* (Montagu), *Thyasira sarsi* (Philippi) & *Thyasira* sp.
Öresund, Gullmarfjord, Roscoff, Mediterranean
- Hemipeira* Fabre-Domergue,1888
Hemipeiropsis König,1894
- H. asteriasi* Fabre-Domergue,1888 (TM - Concarneau)
@ *Asterias rubens* & *Marthasterias glacialis*
Gullmarfjord, Frederikshavn, Concarneau, S France
- H. antedonis* (Cuénot,1891)
= *Trichodina antedonis* Cuénot,1891 = *Hemipeiropsis comatulae* König,1894
@ *Antedon mediterranea* Lamarck & *Antedon petasus* (Düben & Koren)
Gullmarfjord, Concarneau
- Boveria* Stevens,1901 (TM *B. subcylindria* Stevens,1901 - ?California, in waterlungs of a holothurian)
- B.* sp. : Fenchel,1965
@ *Monia patelliformis*
Læsø, Bohusl.
- B. teredinidi* Nelson,1923
@ *Teredo navalis*
?
- Proboveria* Chatton & Lwoff,1936 (TM *P. loripedes* ?Chatton & Lwoff?,1936? - Roscoff & Sète, in *Loripes lacteus* (Poli))
- P. thyasirae* Fenchel,1965
@ *Thyasira sarsi* & *T.* sp.
Gullmarfjord
- P. triangularis* Fenchel,1965
@ *Thyasira* sp.
Gullmarfjord
- Hysteroconidae Diesing,1866
- Hysteroconeta* Diesing,1866
- Kozloffia* de Puytorac,1968
- Ptychostomum* von Stein,1860
- PERITRICHIA von Stein,1859
- SESSILIDA Kahl,1933
- Astylozoidae Kahl,1933
- Astylozoon* Engelmann,1862
- Hastatella* Erlanger,1890
- Ellobiophryidae Chatton & Lwoff,1929
- Ellobiophrya* Chatton & Lwoff,1923
- E. donacis* Chatton & Lwoff,1923 (TM)
@ *Donax vittatus*
Roscoff
- Epistylidae Kahl,1933
- Campanella* Goldfuss,1820
- Epistylis* Ehrenberg,1830
- E. gammari* Precht,1935
@ on antennae of *Gammarus oceanicus*, *G. salinus* & *G. zaddachi*
Askö, Kieler Bucht, Öresund, Isefjord
- E. arenicolae* (Fabre-Domergue,1888)
= *Rhabdosyla arenicolae* Fabre-Domergue,1888
@ gills of *Arenicola marina*
Kieler Bucht, Roscoff, Concarneau
- E. carcini* Precht,1935
@ gill cavity of *Carcinus maenas*
Kieler Bucht
- E. nitocrae* Precht,1935
@ *Nitocra spinipes*
Kieler Bucht
- E. jaerae* Precht,1935
@ gills of *Jaera* sp.
Kieler Bucht

E. harpacticola Kahl,1933
@ *Halicyclops magniceps*
Kieler Bucht

Heteropolaria Foissner & Schubert,1977

Nidula Gajewskaja,1933

Opisthostyla Stokes,1886

O. sertularium (Kent,1881?)
Plymouth

Rhabdostyla Kent,1881

R. variabilis (Dons,1918)
= *Scyphidia variabilis* Dons,1918
@ *Scoloplos armiger* & *Phyllodoce laminata*
Kieler Bucht, Tromsø

R. commensalis Möbius,1888
@ body cuticula of *Capitella* sp. & tentacles of *Terebellides stroemi*
Kieler Bucht

R. nereicola Precht,1935
Platynereis sp.
Kieler bucht

R. arenaria Cuénot,1891
@ *Asterias rubens*, *Leptosynapta*, *Astropecten*, etc.
Kieler Bucht, Roscoff

R. putrina (O.F. Müller,1776) Warren,1986
= *Vorticella putrina* O.F. Müller,1776
* marine?
?

Lagenophryidae Bütschli,1889

Circulagenophrys Jankowski,1980

Lagenophrys von Stein,1851

L. rotunda Precht,1935
@ Ostracods
Kieler Bucht

L. lunatus Ima,19??
@ brackish water palaemonid shrimps
?

L. sp. : Fenchel,1965
@ *Gammarus locusta* L. & sometimes *G. oceanicus* Segerstråle
Öresund

Operculariidae Fauré-Fremiet, in Corliss,1979

Ampullaster Jankowski,1976

Opercularia Goldfuss,1820

Orbopercularia Lust,1950

Propydidium Corliss,1979

Ophrydiidae Ehrenberg,1838

Ophrydium Bory de St. Vincent,1826

Opisthonectidae Foissner,1976

Opisthonecta Fauré-Fremiet,1906

Telotrochidium Kent,1881

Roviniellidae Matthes,1972

Rovinjella Matthes,1972

Scyphidiidae Kahl,1933

Ambiphrya Raabe,1952

A. miri Raabe,1952
@ *Nerophis ophidion*
Baltic

Apiosoma Blanchard,1885

A. sp. : Calenius & Bylund,1980
@ fish
E Baltic

Paravorticella Kahl,1933

P. terebellae (Fauré-Fremiet,1920)
@ frontoventral on *Terebellides stroemi* & on skin of *Terebella lapidaria*
Stoller Grund, France

Scyphidia Dujardin,1841

S. hydrobiae Kahl,1933
@ *Hydrobia* & *Littorina*
Kieler Bucht

S. spioncola Precht,1935
@ Spionids, e.g. *Pygospio elegans*
Kieler Bucht

S. terebellidis Precht,1935
@ gills & tentacles of *Terebellides stroemi*
Kieler Bucht

S. gasterostei (Fauré-Fremiet,1905)
= *Epistylis gasterostei* Fauré-Fremiet,1905
@ gills & chest of *Gasterosteus aculeatus*
Kieler Bucht

S. adunconucleata MacKenzie,1969
@ *Pleuronectes platessa*
Scotland

S. physarum Lachmann,1856
@ *Neritina fluviatilis*
Baltic (Visby)

Termitophryidae Lom, in Corliss,1979

Termitophrya Noirot-Timotheé,1959

Vaginicolidae de Fromental,1874

Cothurnia Ehrenberg,1831

C. gammari Precht,1935
@ inside of sideplates of *Gammarus locusta* L., *G. oceanicus* Segerstråle & *G. duebeni*
Kieler Bucht, Öresund, Isefjord, non Askö

C. plectostyla Stokes,
Plymouth

C. socialis Gruber,1879
Finland, Trondheim, North Sea, Vancouver

C. nebaliae Dons,1927
@ telson of *Nebalia* sp.
Trondheim, Tromsø

C. limnoriae Dons,1927
@ *Limnoria lignorum*
Varanger

C. pedunculata Dons,1918
= *C. nodosa* : Mereschkowsky,1879 (p.p.), non Claparède & Lachmann,1858
@ algae & different animals
Kieler Bucht, Trondheim, Tromsø, Iceland, White Sea

C. grandis (Perty,1???)
@ hydroids
Oslofjord, Tromsø, Pacific

C. cypridicola Kahl,1933
@ algae & different animals
Kieler Bucht

C. acuta Levander,1915
@ setae of *Harmothoe* spp.
Tvärminne, Kieler Bucht

C. cordylophorae Kahl,1933
@ *Cordylophora caspia*
Kieler Bucht, Bremerhaven

C. recurva Claparède & Lachmann,1858
@ Harpacticoids
Kieler Bucht, Helgoland

C. angusta Kahl,1933
@ Ostracods
Kieler Bucht

C. ceramicola Kahl,1933
Kieler Bucht

C. harpacticici Kahl,1933
@ *Cletocampus confluens* & *Mesochra lilljeborgi*
Kieler Bucht

C. nitocrae Precht,1935
@ furcal chaetae of *Nitocra spinipes*
Kieler Bucht

C. peloscolicis Precht,1935
@ *Tubificoides benedii*
Kieler Bucht

C. complanata Precht,1935
@ setae of *Pherusa plumosa*
Kieler Bucht

C. stylarioidis Precht,1935
@ setae of *Pherusa plumosa*
Kieler Bucht

C. nereicola Precht,1935
@ *Hediste diversicolor*
Kieler Bucht

C. halacaricola Precht,1935
@ rear extremities of *Copidognathus fabriciusi*
Kieler Bucht

C. triangula Precht,1935
@ *Copidognathus* & ostracods
Kieler Bucht

C. maritima Ehrenberg,18??
= *C. nodosa* Claparède & Lachmann,1858
@ algae
Visby

Platycola Kent,1882

P. circularis Dons,1940
@ uropods of *Limnoria lignorum*
Norway

P. dilatata Kent,1882?
= *P. donsi* Kahl,1933
* on varying substrates
Norway

Pyxicola Kent,1882

P. socialis (Gruber,1879)
@ algae, hydroids, molluscs etc.
Finland, Kieler Bucht, White Sea

Thuricola Kent,1881

Vaginicola de Lamarck,1816

V. doliolium Penard,
Plymouth

- Vorticellidae* Ehrenberg, 1838
- Carchesium* Ehrenberg, 1830
- C. duplicatum* Precht, 1935
@ *Gammarus oceanicus*
Askö, Kieler Bucht, Öresund, Isefjord
- C. gammari* Precht, 1935
@ *Gammarus*
Kieler Bucht
- C. jaerae* Precht, 1935
@ legs of *Jaera*
Kieler Bucht
- C. steinii* (Wrzesniowski, 1877)
= *Epistylis steinii* Wrzesniowski, 1877
@ *Gammarus*
* chiefly a fresh water species
Kieler Bucht
- C. abrae* Precht, 1935
@ siphon bases of *Abra alba*
Stoller Grund
- C.* sp. a : Fenchel, 1965
@ gills & pleopods of *Gammarus duebeni*
Askö
- Haplocaulus* Precht, 1935
- H. nicoleae* Precht, 1935 (TM)
@ *Nicolea zostericola*
Kieler Bucht
- H. furcellariae* Precht, 1935
@ *Furcellaria*
Kieler Bucht
- H. amphiruae* (Cuénot, 1891) Warren, 1986
= *Vorticella amphiruae* Cuénot, 1891
@ *Amphirua*
?
- H. claparedei* (Andrussowa, 1886) Warren, 1986
= *Vorticella claparedei* Andrussowa, 1886
* marine?
?
- H. elegans* (Dons, 1915) Stiller, 1971
= *Vorticella elegans* Dons, 1915 = *Intranstylum elegans* : Nenninger, 1948
@ operculum of a *Spirorbis* sp.
Tromsø
- H. fusca* (Biemacka, 1963) Warren, 1986
= *Vorticella fusca* Biemacka, 1963, non Precht, 1935
Danziger Bucht
- Pseudocarchesium* Sommer, 1951
- P. brevistyla* (d'Udekem, 1864) Stiller, 1971
= *Vorticella brevistyla* d'Udekem, 1864
* marine?
?
- Pseudovorticella* Foissner & Schiffmann, 1974
- P. difficilis* (Kahl, 1933)
= *Vorticella difficilis* Kahl, 1933
@ several brackish water animal species
Kieler Bucht
- P. micata* (Kahl, 1933)
= *Vorticella micata* Kahl, 1933
?
- P. punctata* (Dons, 1918) Warren, 1986
= *Vorticella punctata* Dons, 1918 = *Vorticella perlata* Kahl, 1933
@ several brackish water & marine animal species
Kieler Bucht, Norway
- Vorticella* Linnaeus, 1767
- V. aequilata* Kahl, 1939
?
- V. annulata* (Gourret & Roeser, 1888) Kahl, 1935
= *V. brevistyla* var. *annulata* Gourret & Roeser, 1888
?
- V. anomala* Gourret & Roeser, 1886
?
- V. biddulphae* Stiller, 1939
= *V. variabilis* Stiller, 1939
@ on *Biddulphia chinensis*
North Sea
- V. calciformis* Kahl, 1933
?
- V. campanula* Ehrenberg, 1831
= *V. macrostoma* Schmarda, 1854 = *V. cylindrica* Dons, 1918
@ *Diphasia abietina*
Tromsø
- V. campanulata* Sramek-Husek, 1948
= *V. constricta* Kahl, 1933, non Fromentel, 1874
?
- V. communis* Fromentel, 1874
= *V. subsphaerica* Dons, 1918
@ *Dynamena pumila*
Tromsø
- V. convallaria* Linnaeus, 1758
= *V. cyclopis* Kahl, 1933 = *V. hyalina* Stiller, 1940
?
- V. cratera* Kent, 1881
= *V. dudekemi* Kahl, 1933
?
- V. elongata* Fromentel, 1874
= *V. subcylindrica* Ghosh, 1922
?
- V. fusca* Precht, 1935
@ *Enteromorpha*
Kieler Bucht
- V. granulata* Kahl, 1933
?
- V. hamata* Ehrenberg, 1831
= *V. delicatulata* Biemacka, 1963 ?= *V. plicata* Gourret & Roeser, 1886
?
- V. infusionum* Dujardin, 1841
?
- V. jaerae* Precht, 1935
@ attached to *Jaera marina*
Kieler Bucht
- V. lima* Kahl, 1933
= *Pseudovorticella lima* (Kahl, 1933) Jankowski, 1976
?
- V. longiseta* Dietz, 1964
?
- V. longitricha* Gajewskaja, 1933
?
- V. marina* Greeff, 1870
= *V. minuta* Precht, 1935
@ e.g. *Ceramium*, *Furcellaria*, *Delesseria* & *Pallene*
Kieler Bucht
- V. mayeri* Fauré-Fremiet, 1920
= *Pelagovorticella mayeri* (Fauré-Fremiet, 1920) Jankowski, 1980
* Pelagic
?
- V. mortensi* Dons, 1922
* nomen dubium
?
- V. nutans* O.F. Müller, 1773
?
- V. obconica* Kahl, 1935
= *V. conica* Dons, 1918, non Stokes, 1887
@ *Spirorbis* sp.
Tromsø
- V. ovum* Dons, 1918
= *V. incerta* Nenninger, 1948
- V. patellina* O.F. Müller, 1776
= *V. fornicata* Dons, 1915
@ e.g. *Carcinus*, *Mytilus*, *Gammarus*, *Laomedea* & *Laminaria*
Kieler Bucht, North Sea, Tromsø, W France, Woods Hole
- V. pulchra* Kahl, 1933
?
- V. pyriforme* Stiller, 1939
= *V. intermissa* Nenninger, 1948
- V. robusta* Dons, 1922
* nomen dubium
?
- V. striata* Dujardin, 1841
= *V. latestriata* Sommer, 1951 = *V. minima* Stiller, 1939 = *V. suboctava* Sommer, 1951
= *V. striatula* Dons, 1918 = *V. oceanica* Zacharias, 1906
@ many different vertebrates & invertebrates
Kieler Bucht, Tromsø
- V. subprocumbens* Ghosh, 1922
= *V. nana* Kahl, 1933 = *V. solitaria* Stiller, 1935
?
- V. telescopica* Kent, 1861, non Kahl, 1935
= *V. telescopiformis* : Kahl, 1935
- V. tenucleata* Dons, 1922
* nomen dubium
?
- V. undulata* (Dons, 1918) Kahl, 1935
= *Vorticellopsis undulata* Dons, 1918
* nomen dubium
Tromsø
- V. verrucosa* Dons, 1918
= *V. singularis* Kahl, 1933
@ *Laomedea* sp.
Tromsø
- V.* sp. : Fenchel, 1965
@ *Gammarus duebeni*
Askö, non Isefjord
- Zoothamniidae* Sommer, 1951
- Craspedomyoschiston* Precht, 1935
= *Craspedomyoschiston* Jankowsky, in Lee, Hutner & Bovee, 1985
- C. sphaeromae* Precht, 1935
@ gills of *Sphaeroma rugicauda*
Kieler Bucht
- Intranstylum* Fauré-Fremiet, 1904
- I. duplicatum* Precht, 1935
@ inside of sideplates of *Gammarus duebeni* & *Gammarus* sp.
Askö rock pool, Kieler Bucht
- I. confiferum* Precht, 1935
@ first pereopods of *Gammarus locusta*
Kieler Bucht

- I. brachymyon** Precht,1935
@ between chaete of rear pereopods of *Gammarus locusta*
Kieler Bucht
- I. longum** Precht,1935
@ between antennae of *Gammarus locusta*
Kieler Bucht
- I. sp. a** : Fenchel,1965
@ on oostegites of *Gammarus locusta* L.
Öresund
- Myoschiston** Precht,1935
- M. duplicatum** Precht,1935
@ *Carcinus maenas* & *Idothea* spp.
Kieler Bucht
- M. neomysidis** Precht,1935
@ *Neomysis vulgaris*
Kieler Bucht
- M. carcini** Precht,1935
@ gills of *Carcinus maenas*
Kieler Bucht
- M. centropagidarum** Precht,1935
@ *Centropages hamatus* & *Eurytemora hirundinoides*
Kieler Bucht
- M. balanorum** (Mereschkowsky,1877)
= *Epistylis balanorum* Mereschkowsky,1877
@ ?gills of *Balanus improvisus*
Kieler Bucht
- M. cypridicola** Precht,1935
@ legs of *Cyprideis littoralis*
Kieler Bucht
- Zoothamnium** Bory de St. Vincent,1826
- Z. hiketes** Precht,1935
@ *Gammarus* spp. & *Jaera*
Askö, Kieler Bucht, Öresund, Isefjord
- Z. duplicatum** Kahl,1933
@ *Gammarus oceanicus* or on many other invertebrate species or free-living
Askö, Kieler Bucht
- Z. rigidum** Precht,1935
@ on sideplates & pereopods of *Gammarus oceanicus*
Kieler Bucht, Öresund, Isefjord
- Z. nanum** Kahl,1933
@ *Gammarus* spp. & various other crustacea
Kieler Bucht, Öresund, ?Isefjord
- Z. intermedium** Precht,1935
@ *Palaemon*, *Crangon*, *Microdeutopus*, *Ciona*, etc.
Kieler Bucht
- Z. laomedaeae** Precht,1935
@ *Laomedaea loveni*
Kieler Bucht
- Z. abrae** Precht,1935
@ *Abra alba*
Stoller Grund
- Z. alternans** Precht,1935
@ *Crisia eburnea*
Kieler Bucht
- Z. vermicola** Precht,1935
@ *Eieone longa*, *Nereimyra punctata*, *Lagis koreni*, *Nephtys* sp., *Ophiura albida*
Stoller Grund, Kieler Bucht
- Z. sp. a** : Fenchel,1965
@ on antennae & sometimes pereopods of *Gammarus locusta* L.
Öresund
- MOBILIDA** Kahl,1933
- Leiotrochidae** Johnston,1938
- Leiotrocha** Fabre-Domergue,1888
- L. patellae** (Cüenot,1891)
= *Trichodina patellae* Cüenot,1891
@ gills of *Patella* spp., & a number of bivalves, e.g. *Thyasira sarsi* (Philippi), *Thyasira flexuosa* (Montagu),
Abra nitida (Müller) & *Abra prismatica* (Montagu)
* sibling species complex
Öresund, Læsø, Gullmarfjord, Roscoff
- Polveclidae** Poljansky,1951
- Polycycla** Poljansky,1951
- Trichodinidae** Claus,1874
- Trichodina** Ehrenberg,1830
= *Cyclochaeta* Jackson,1875 = *Cyclocyrrha* Fabre-Domergue,1888
= *Anhymenia* Fabre-Domergue,1888
@ on fish, especially on the gills
- T. macomarum** Raabe & Raabe,1959
@ *Macoma balthica* (L.)
Askö, Gdynia, Öresund
- T. sp. 1** : Fenchel,1965
?= *Cyclochaeta cardii* Delphy,1938 (nomen nudum)
* *Cyclochaeta cardii* Delphy is from Arcachon
@ *Cerastoderma edule* (L.)
?Öresund
- T. sp. 2** : Fenchel,1965
?= *Cyclochaeta cardii* Delphy,1938 (nomen nudum)
@ *Cerastoderma edule* (L.)
?Öresund
- T. sp.** : van Banning,1979
@ *Ostrea edulis*
Netherlands
- T. polandiae** Fenchel,1965
= *T. domerguei* f. *cardii* Raabe & Raabe,1959
@ *Cerastoderma glaucum*
Askö, Poland, non Öresund, nec Gullmarfjord
- T. scoloplantis** Precht,1935
@ *Scoloplos armiger*
Kieler Bucht
- T. cardiorum** Raabe & Raabe,1959
@ small *Cerastoderma glaucum*
Poland
- T. baltica** Quennerstedt,1869
@ *Hydrobia ventrosa* & *Neritina fluviatilis*
Visby, Polish Baltic, Kieler bucht
- T. terebellidis** Precht,1935
@ *Terebellides stroemi*
Stoller Grund
- T. serpularum** (Fabre-Domergue,1888)
= *Cyclochaeta serpularum* Fabre-Domergue,1888
@ *Serpula* spp., *Nephtys* sp., *Phylodoce* sp., etc
Kieler Bucht, Concarneau
- T. astericola** (Precht,1935)
= *Cyclochaeta astericola* Precht,1935
@ *Asterias rubens*
Kieler Bucht
- T. myicola** Uzmam & Stickney,1954
@ *Mya arenaria* L.
E USA, non Baltic, nec SW Scandinavia
- T. halli** ??,19??
@ several fish species
New Jersey
- T. labrorum** Chatton,1910
@ Labrid fish gills
?France
- T. oviducti** Polyansky,1955
@ in urogenital tract of 5 sp. of. gen. *Raja*
Atlantic Ocean
- T. puytoraci** Lom,1962
@ *Mytil* spp.
Black Sea
- T. rectuncinata** Raabe,1958
@ >15 fish species
Adriatic, Black Sea, Caribbean
- T. domerguei** Wallengren,18??
@ sticklebacks & other fresh or brackish water teleosts
* euryhaline fresh water species
Kieler Bucht
- Vauchomia** Mueller,1938
- Trichodinopsidae** Kent,1881
- Trichodinopsis** Claparède & Lachmann,1858
- Urceolaridae** Dujardin,1840
- Urceolaria** von Stein,1854
- U. elongata** Fenchel,1965
@ *Nuculana minuta* (Müller) & *Nuculana perula* (Müller)
Öresund, Gullmarfjord
- ASTOMATIA** Schewiakoff,1896
@ often in lumen of digestive tracts of many annelids & some molluscs
- ASTOMATIDA** Schewiakoff,1896
- Anoplophryidae** Cépède,1910
- Almophrya** de Puytorac & Dragesco,1969
- Anoplophrya** von Stein,1860
@ endosymbionts of terrestrial oligochaetes
- A. nodulata** ??,19??
@ e.g. *Phalodrilus monospermathecus*, *Thalassodrilus prostatus*, *Marionina* sp.
Schlei
- A. polydora** ??,19??
@ e.g. *Lumbricillus lineatus* & *Marionina* sp.
Schlei, Sylt
- A. mytili** Delphy,1938
@ mantle cavity & intestines of *Mytilus edulis*
* Dubious species.
Arcachon
- Orchitophrya** Cépède,1907
* incertae sedis
- O. malacobdellae** Jennings,1968
@ *Malacobdella grossa* from *Zirphaea crispata*
Yorkshire
- O. stellarum** Cépède,1907 (TM)
@ *Asterias rubens* A. *forbesi* & *A. vulgaris* (affects asteroid gonads and may cause total castration in male hosts)
Netherlands, Belgium, Engl. Channel, E USA
- Buetschliellidae** de Puytorac, in Corliss,1979
- Buetschliella** Awerinzew,1908
- Clausilocolidae** de Puytorac, in Corliss,1979
- Clausilocola** Lom,1959
- Haptophryopsis** de Puytorac,1971
- Contophryidae** de Puytorac,1972

Contophrya de Puytorac & Dragesco,1968

Dicontophrya de Puytorac & Dragesco,1968

Haptophryidae Cépède,1910

Cepedieta Kay,1942

Haptophrya von Stein,1867

Steinella Cépède,1910

Hopliophryidae Cheissin,1930

Buetschlielopsis de Puytorac,1954

Delphyella de Puytorac,1969

Hopliophrya von Stein,1859

Juxtaradiophrya de Puytorac,1954

Radiophryoides Lom,1956

Intoshellinidae Cépède,1910

Intoshellina Cépède,1910

Maupasellidae Cépède,1910

Maupasiella Cépède,1910

Radiophryidae de Puytorac,1972

Acanthodiophrya de Puytorac & Dragesco,1968

Helella Kaczanowski,1961

Metaracoelophrya de Puytorac & Dragesco,1969

Metaradiophrya Heidenreich,1935

Mraziakiella Kijenski,1925

Radiophrya Rossolimo,1926

Archiasmomatidae Foissner,1976
* Family incertae sedis

Archiasmoma Foissner,1976

APOSTOMATIA Chatton & Lwoff,1928

APOSTOMATIDA Chatton & Lwoff,1928

Colliniidae Cépède,1910

Metacollinia Jankowski,1980

Cyrtocaridae Coriass,1979
* Not included in Small & Lynn,1985
@ lateral caeca of digestive tube in polychaetes

Cyrtocaryum Fauré-Fremiet & Mugard,1949

Spirobuetschliella Hovasse,1950
* Incertae sedis in this family

S. chattoni Hovasse,1950 (TM)
@ *Pomatoceros triquetus*
Banyuls-sur-mer

Foettingeriidae Chatton,1911

Foettingeria Caullery & Mesnil,1903

F. actiniarium ?Caullery & Mesnil,1903? (TM)
@ various actinarians, e.g. *Metridium senile*, *Adamsia palliata* & *Sagartia troglodytes*
along French coasts

Gymnodinioides Minkiewicz,1912

G. inkystans Minkiewicz,1912?
@ host tissue feeder in many Malacostraca, e.g. *Gammarus* spp.
Askö, Öresund, ?Isefjord

G. sp.
@ *Sagartia parasitica* from *Pagurus prideauxi* shells
Roscoff

Hyalophysa Bradbury,1966

Ophiuraespira Chatton & Lwoff,1930
@ Ophiuroids

Pericaryon Chatton,1911
@ Ctenophora

P. cesticola Chatton,1911 (TM - French Mediterranean)
@ trophonts in *Cestus veneris*; phoronts probably in copepods
Mediterranean

Phorophrya Chatton & Lwoff,1930
@ other Apostomatines

Phoretophrya Chatton & Lwoff,1930

Spirophrya Chatton & Lwoff,1924

S. subparasitica Chatton & Lwoff,1924 (TM)
@ phoront attached to harpacticoid *Idya furcata*; trophonts in gastric cavity of *Cladonema radiatum*
Banyuls-sur-mer

ASTOMATOPHORIDA Jankowski,1966

Opalinopsidae Hartog,1906

Chromidina Gonder,1905
@ Beside cephalopods, there is a first crustacean (Euphausiid, Copepod or other appropriate crustacean) host
stage

C. coronata (?Foettinger,1881?)

@ renal or renal-pancreatic coela of e.g. *Octopus vulgaris*, *Eledone cirrosa*, *Sepiola rondeleti* & *Illex coindetii*
Engl. Channel, Mediterranean

C. elegans (?Foettinger,1881?)
@ renal or renal-pancreatic coela of *Sepia elegans*, *S. orbignyana* & *Illex coindetii*
Mediterranean

Opalinopsis Foettinger,1881

O. sepiolae ?Foettinger,1881?
@ midguts & digestive glands of *Sepiola rondeleti*, *Sepia elegans* & *S. officinalis*; probably is the same species
observed from *Sepiola atlantica*, *Sepietta oweniana* & *Rossia macrosoma*
Engl. Channel & Mediterranean

O. sp.: Mohr (unpubl.), Hochberg,1971
@ *Allotheutis subulata*
Engl. Channel

PILISUCTORIDA Jankowski,1966

Conidophryidae Kirby,1941

Ascophrys Campillo & Deroux,1974

Askoella Fenchel,1965

A. janssoni Fenchel,1965 (TM - Askö)
@ *Gammarus* spp.
Askö, Öresund

Conidophrys Chatton & Lwoff,1934

C. pilisuctor Chatton & Lwoff,1934
@ host tissue feeder in many Malacostraca, e.g. *Gammarus* spp., *Limnoria*, *Corophium*, *Idothea*
Öresund, Isefjord, France, California

PLAGIOPYLIA Small & Lynn, in Lee, Hutner & Bovee,1985

PLAGIOPYLIDA Small & Lynn, in Lee, Hutner & Bovee,1985

Plagiopyliidae Schewiakoff,1896

Lechriopyla Lynch,1930

Plagiopyla von Stein,1860 (TM *P. nasuta* von Stein,1860 - fresh water)

P. cucullio Quennerstedt,1867
= *Paramecium cucullio* Quennerstedt,1867
= *Plagiopyla nasuta* v. *marina* Gourret & Roeser,1886
* among rotting green algae
Öresund, Halland, Mediterranean

P. frontata Kahl,19??
Öresund, Isefjord, Kattegatt, Limfjorden

P. ovata Kahl,19??
S Baltic

P. vestita Kahl,19??
?

P. minuta ??,1???
@ found on *Strongylocentrotus droebachiensis* by Beers,1952
?

Pseudoplagiopyla Small & Lynn, in Lee, Hutner & Bovee,1985

Sonderidae Small & Lynn, in Lee, Hutner & Bovee,1985

Parasonderia Fauré-Fremiet,1973

Sonderia Kahl,1928

S. sinuata Kahl,19??
Öresund

S. schizostoma Kahl,19??
Askö, Öresund

S. vorax Kahl,19??
Askö, Öresund, Isefjord

S. cyclostoma Kahl,19??
Öresund

S. labiata Fauré-Fremiet & Tuffrau,1955
Concarneau

S. mira Kahl,19??
?

S. vestita Kahl,19??
?

S. macrochilus Kahl,19??
?

S. pharyngea Kirby,1934?
?

COLPODEA de Puytorac & al.,1974

CYRTOLOPHOSIDIDA Foissner,1978

Cyrtolophosididae Stokes,1888

Cyrtolophosis Stokes,1885

Grossglockneriidae Foissner,1980

Grossglockneria Foissner,1980

Woodruffiidae von Gelei,1954

Enigmostoma Jankowski,1975

Platyophrya Kahl,1926
= *Telostoma Grandori*,1935, non Ørsted,1843 (Plathelm.), nec von Graff,1882 (Plathelm.)

P. ferroi (R & L. Grandori,1935?)
= *Telostoma ferroi* R & L. Grandori,1935?
Plymouth

Rhyposophrya Kahl, 1933

* incertae sedis

R. aplanata Kahl, 1933

Helgoland

Rostrophrya Njiné, 1978

Woodruffia Kahl, 1931

BRYOPHYRYIDA de Puytorac & al., 1979

Bryophryidae de Puytorac & al., 1979

Bryophrya Kahl, 1931

Puytoraciella Njiné, 1978

COLPODIDA de Puytorac & al., 1974

Colpodidae Ehrenberg, 1838

Bresslaua Kahl, 1931

Colpoda O.F. Müller, 1773

Tillina Gruber, 1879

Marynidae Poche, 1913

Maryna Gruber, 1879

Mycterothrix Lauterborn, 1898

BURSARIOMORPHIDA Fernández-Galiano, 1978

Bursariidae Dujardin, 1840

* predominantly fresh water forms

Bursaria O.F. Müller, 1773