

NEAT (North East Atlantic
Taxa):
South Scandinavian
marine Plathelminthes
Check-List

compiled at TMBL
(Tjärnö Marine Biological
Laboratory) by:

Hans G. Hansson 1989 / small revisions
until November 1994, when it for the
first time was published on Internet.
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www.tmbi.gu.se/libdb/taxon/neat_pdf/
NEAT*Plathelmint.pdf](http://www.tmbi.gu.se/libdb/taxon/neat_pdf/NEAT*Plathelmint.pdf)].

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

N.B.: This is one of several preliminary
check-lists, covering S. Scandinavian
marine animal (and partly marine
protocyst) taxa. Some financial
support from (or via) NKMB (Nordiskt
Kollegium för Marin Biologi), during
the last years of the existence of this
organisation (until 1993), is thankfully
acknowledged. The primary purpose
of these checklists is to facilitate for
everyone, trying to identify organisms
from the area, to know which species
that earlier have been encountered
there, or in neighbouring areas. A
secondary purpose is to facilitate for
non-experts to find as correct names as
possible for organisms, including names
of authors and years of description.
So far these checklists are very
preliminary. Due to restricted access to
literature there are (some known, and
probably many unknown) omissions in
the lists. Certainly also several errors

may be found, especially regarding
taxa like Plathelminthes and Nematoda,
where the experience of the compiler
is very rudimentary. The credibility of
some other lists, containing taxa like
e.g. Porifera, where, at least in certain
subtaxa, taxonomic confusion seems to
prevail, is certainly also suboptimal so
far.

This list should be regarded as a first,
primitive disposition of taxa in this
group. As I never have worked with
any of the taxa involved, and literature
dealing with (especially parasitical)
Plathelminthes is very scarce in our
library, there are many lapses and
imperfections, which may be corrected
by experient taxonomists working with
the groups involved. Worms parasiting
“marine birds” have usually been
omitted in this list, unless development
stages are known from other marine
animals.

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 (this is chiefly
true also for arctic taxa, known only
from areas north of N Norway), albeit
a few species with probable northern
limits around the British Isles are listed
here until distribution patterns are
better known. It is very probable that
some new taxa, described recently
from the area, have been inadvertently
omitted. The compiler would be
very grateful for every correction of
presumptive lapses and omissions an
initiated reader could make.

N.B. This document is intended to
be completely unavailable regarding
nomenclature within the meaning of
ICZN.

PLAT(Y)HELMINTHES

Schneider, 1873

* Claus 1887 changed Schneiders original spelling Plathelminthes to Platyhelminthes.

CATENULIDA Meixner, 1924

Stenostomidae Vejdovsky, 1880

Stenostomum O. Schmidt, 1848

S. karlingi Luther, 1960

Fresh water influenced Finnish & Swedish Baltic shores

S. constrictum Papi (Luther, 1960)

= *S. unicolor* O. Schmidt, 1848 *constrictum* Luther, 1960

Fresh water influenced Finnish Baltic shores

S. leucops (Dugès, 1828)

* Fresh & brackish water species
Kola peninsula

EUPLATHELMINTHES Bresslau & Reisinger

ACOELOMORPHA Ehlers, 1985

NEMERTODERMATIDA Karling, 1940

Nemertodermatidae Steinböck, 1930-31

Meara Westblad, 1949

M. stichopi Westblad, 1949 (™)

@ in *Parastichopus* & *Mesothuria*
Sydkoster, Dröbak, Skagerrak, W. Norway

Nemertinoides Riser, 1987 (™ *N. elongatus* Riser, 1987 - Massachusetts)

N. elongatus Riser, 1987

Adriatic, NW Atlantic - in coarse sande, intertidal - 6 m depth

Nemertoderma Steinböck, 1930-31

N. bathycola Steinböck, 1930-31 (™)

* (4 forms have been separated: W Greenland- (Steinb., 1930), North Sea- (Riedl, 1959) (= *N. westbladi*

Steinböck, 1938), Skagerrak- (Riedl, 1959) & Adria- (Riedl, 1959))

Gullmarn, Bergen, W Greenland, NE Atlantic - on mud between 120-690 m depth.

N. westbladi Steinböck, 1938

Gullmarn, Koster Channel, Dröbak, Bergen, Mediterranean, N Carolina - on mud (or muddy sand) frm subtidal - 620 m depth

Sterreria Lundin, 1999 (™ *Nemertoderma psammicola* Sterrer, 1970)

S. psammicola (Sterrer, 1970)

= *Nemertoderma psammicola* Sterrer, 1970

= *Nemertoderma rubra* Faubel, 1976

Gullmarn, Jutland, Sylt, North Sea, Mediterranean, N Carolina, W Pacific, Red Sea - in fine sand, intertidal - 8 m depth.

Ascopariidae Sterrer, 1998

Ascoparia Sterrer, 1998

A. neglecta Sterrer, 1998

NW Atlantic - in fine sand at 3 m depth

A. secunda Sterrer, 1998

NW Atlantic - in sand between 20-41 m depth

Flagellophora Faubel & Dörjes, 1978

F. apelti Faubel & Dörjes, 1978 (™)

Gullmarn, Helgoland, off Scotland, Mediterranean, Canaries, Bermudas, N Carolina - in sand (& sandy mud) between 3-400 m depth

ACOELA Uljanin, 1870

Octocoelis ?, 1???

* Which family?

O. chirodota Beklemishew, 1915

@ anterior part of digestive tract of *Chirodota laevis*
Barents Sea

Proporidae von Graff, 1882

Proporus Schmidt, 1852

P. brochii Westblad, 1945

Gullmarn, Oslofjord

P. gracilis ??,19??
??

P. lonchitis Dörjes,1971
Dröbak

P. minimus (An der Lan,1936)
= *Archiproporus minimus* An der Lan, 1936
Dröbak, North Sea, Greenland

P. venenosus (O. Schmidt,1852) (™)
= *P. violaceus* von Graff, 1882
= *P. viridiflavus* Riedl, 1959
Bergen, Eng. kanalen, Ireland

Sagittiferidae Kostenko & Mamkaev,1990
* Former members of *Convoluta* with *Platymonas*
as endosymbionts.

Sagittifera Kostenko & Mamkaev,1990

S. sagittifera (Ivanov,1952)
= *Convoluta sagittifera* Ivanov,1952 (™)
Plymouth

Simsagittifera Kostenko & Mamkaev,1990 (™)
Convoluta schultzei Schmidt,1852)

S. roscoffiensis (Graff,1891)
= *Convoluta roscoffiensis* Graff,1891
Roscoff

S. schultzei (Schmidt, 1852)
= *Convoluta schultzei* Schmidt, 1852
Baltic, Atlantic, Mediterranean

Praesagittiferinae Kostenko & Mamkaev,1990

Praesagittifera Kostenko & Mamkaev,1990 (™ *P.*
shikoki Kostenko & Mamkaev,1990 - Japan)

Taurididae Kostenko,1989

Taurida Kostenko,1989 (™ *Convoluta*
fulvomaculata Ax,1959)

Convolutidae von Graff,1905

Aechmalotus Beklemischew,1915

A. pyrula Beklemischew,1915
@ gut of *Eupyrgus scaber*
Kola Gulf

Alluna Faubel & Regier,1983

A. sublitoralis Faubel & Regier,1983 (™)
N North Sea

Amphiscolops von Graff,1905

A. cinereus (von Graff,1874) (™)
Trondheim

Aphanostoma Ørsted,1845

A. album Dörjes,1968
Gullmarn, Sylt, Helgoland, Wilhelmshafen

A. virescens Ørsted,1845 (™)
= *Amphiscolops virescens* : Auctt.
Dröbak, Fredrikshavn, Bergen, White Sea, W
Greenland

A. rhomboides (Jensen,1878)
= *Aphanostomum rhomboides* Jensen,1878
?= *Proporus cyclops* Levinsen,1879
= *Proporus cyclops* : Wesenberg-Lund,1925
?= *Aphanostoma latissimum* Levinsen,1879
Oslofjord, Helgoland, Bergen, Ireland, Engl.
Channel, Faeroes, Barents Sea, W Greenland

A. elegans (Jensen,1878)
= *Aphanostomum elegans* Jensen,1878
Bergen

A. bimaculatum Steinböck & Lanser,19??
= *A. bimaculatum* Steinböck,1932 (nomen nudum)
W Greenland

A. armatum Steinböck & Lanser,19??
= *A. armatum* Steinböck,1932 (nomen nudum)
W Greenland

A. sanguineum Beklemischew,1915
= *Eumecynostomum sanguineum* (Beklemishew) :
Auctt.
@ endgut of *Chiridota laevis*
Kola Gulf, Maine

Archaphanostoma Dörjes,1968

A. agile (Jensen,1878)
= *Mecynostomum agile* Jensen,1878 (™)
= *Aphanostoma rhomboides* : Westblad,1946, non
(Jensen,1878)

Gullmarn, Helgoland, Sylt, Oslofj., Bergen,
Plymouth, Mediterranean

A. histobursalium Dörjes,1968
Sylt, Helgoland, Wilhelmshafen

A. macrospiriferum (Westblad,1946)
= *Aphanostoma macrospiriferum* Westblad,1946
Gullmarn, Helgoland

Avagina Leiper,1902

A. incola Leiper,1902 (™)
@ intestines of *Spatangus* & *Echinocardium*, most
often in *E. flavescens*
Gullmar Area., Herdla, Trondheim

A. glandulifera Westblad,1953
@ digestive tract of *Spatangus purpureus*
Plymouth, Trondheim

A. sublitoralis Faubel,1976
Sylt

Bursosaphia Dörjes,1968

B. baltalimaniaformis Dörjes,1968 (™ -
Helgoland)
Helgoland

Conaperta Antonius,1968

C. flavibacillum (Jensen,1878)
= *Convoluta flavibacillum* Jensen,1878 (™)
Fredrikshavn, Gullmarn, all Scandinavian west-
coast (phytal species), Ireland, Barents Sea, White
Sea, Irish Sea, Engl. Channel, W France, Canaries

C. norvegica (Westblad,1946)
= *Convoluta norvegica* Westblad,1946
Tromsö, Helgoland

C. variomorpha (Dörjes,1968) Antonius 1968
= *Convoluta variomorpha* Dörjes,1968
Helgoland, Sylt

Convoluta Örsted,1843

C. convoluta (Abildgaard, in O.F. Müller,1806)
(™)
= *Planaria convoluta* Abildgaard,1806
= *C. paradoxa* Örsted,1845
= *C. diesingi* Schmidt,1852

= *C. infundibulum* Schmidt,1852
* in vegetation of *Zostera marina*
S Baltic, Öresund, Kattegatt, Fredrikshavn,
Gullmarn, Drøbak, Bergen - Barents Sea (a very
common phytal species), Helgoland, Faeroes,
Ireland, Scotland, Engl. Channel, Mediterranean,
Black Sea, Canaries

C. helgolandica Dörjes,1968
Helgoland

C. borealis Sabussow,1900
* Possibly a synonym of *C. convoluta*
White Sea

C. bathycola Steinböck & Lanser,19??
= *C. bathycola* Steinböck,1932 (nomen nudum)
W Greenland

Faerlea Westblad,1945

F. echinocardi Dörjes,1972
@ *Echinocardium flavescens*
Bergen

F. fragilis Westblad,1945 (™ - Gullmarfjord)
Gullmarn

F. glomerata Westblad,1945
Gullmarn, Great Britain

Postaphanostoma Dörjes,1968

P. atriomagnum Dörjes,1968 (™ - Helgoland)
Helgoland

P. filum Dörjes,1968
Helgoland

P. glandulosum Dörjes,1968
Helgoland

Praeaphanostoma Dörjes,1968

P. brevifrons Dörjes,1968
Helgoland

P. chaetocaudatum Dörjes,1968 (™ - Sylt)
Sylt

P. longum Dörjes,1968
Helgoland

P. rubrum Dörjes,1968
Helgoland

Praeconvoluta Dörjes,1968

P. karinae Dörjes,1968 (™ - Helgoland)
Helgoland

P. minor Faubel,1974
Sylt

P. stephania Faubel & Regier,1983
North Sea

Proaphanostoma Dörjes,1972

P. tenuissimum (Westblad,1946)
= *Aphanostoma tenuissima* Westblad,1946 =
Mecynostomum tenuissimum : Westblad,1948
= *Avagina tenuissima* : Dörjes,1968
Gullmarn, Tromsø, Trondheim

P. variabile Steinböck & Lanser,19??
= *P. variabile* Steinböck,1932 (nomen nudum)
W Greenland

Proconvoluta Dörjes,1968

P. primitiva Dörjes,1968 (™ - Sylt)
Sylt, Tromsø

Pseudaphanostoma Westblad,1946

P. brevicaudatum Dörjes,1968
Sylt, Juist

P. pelophilum Dörjes,1968
Sylt, Röm, Juist, Wilhelmshaven

P. psammophilum Dörjes,1968
Sylt, Helgoland, Wilhelmshaven

P. variabilis Westblad,1946 (™ - Gullmarfjord)
Gullmarn

Pseudoposthia Westblad,1946

P. macrogonopora Westblad,1946 (™ -
Gullmarfjord)
Gullmarn, Sylt, Helgoland

Diopisthoporidae Westblad,1940

Diopisthoporus Westblad,1940

D. brachypharyngeus Dörjes,1968
Helgoland

D. longitubus Westblad,1940 (™)
Gullmarn, Skagerrak, Oslofj., Bergen

D. psammophilus Dörjes,1968
Helgoland

Hallangiidae Westblad,1948

Hallangia Westblad,1946

H. proporoidea Westblad,1946 (™)
Gullmarn, Skagerrak, Oslofj., Trondheim, Britain

Haploposthiidae Westblad,1948

Adenocauda Dörjes,1968

A. helgolandica Dörjes,1968 (™ - Helgoland)
Helgoland

Afronta Hyman,1944 (™ *A. aurantiaca*
Hyman,1944 - Atlantic N America)

A. rubra Faubel,1976
Sylt

Haplogonaria Dörjes,1968

H. elegans Faubel,1976
Sylt, W. Jylland

H. glandulifera Dörjes,1968
Helgoland

H. macrobursalia Dörjes,1968
Helgoland, Sylt

H. minima (Westblad,1946)
= *Aphanostoma minimum* Westblad,1946
Gullmarn

H. psammalia Faubel,1974
Sylt

H. simplex Dörjes,1968 (™ - Helgoland)
Helgoland, Sylt, Röm

H. sinubursalia Dörjes,1968

Helgoland

H. syltensis Dörjes,1968
Sylt, Helgoland

H. viridis Dörjes,1968
Helgoland

Haploposthia An der Lan,1936

H. brunea An der Lan,1936 (™ - Greenland)
Greenland

H. rubra (An der Lan,1936)
Gullmarn, Britain, Greenland

H. rubropunctata Westblad,1945
Gullmarn, Trondheimsfj., Tromsø, Britain

Kuma Marcus,1950, em. Faubel,1976 (™ *K. brevicauda* Marcus,1950 - Brazil)

K. viridis (An Der Lan,1936)
= *Haploposthia viridis* : Auctt.
Gullmarn, Tromsø, Dröbak, Greenland

K. monogonophora (Westblad,1946)
= *Haploposthia monogonophora* : Auctt.
Gullmarn

Parahaplogonaria Dörjes,1968

P. maxima Dörjes,1968 (™ - Helgoland)
Helgoland

Parahaploposthia Dörjes,1968, emend. Fegley,
Smith & Rieger,1984

P. avescula Dörjes,1968
Helgoland

P. brunea Faubel,1976
Sylt

P. cerebroepitheliata Dörjes,1968 (™ - Helgoland)
Helgoland

Pseudohaplogonaria Dörjes,1968

P. vacua Dörjes,1968
Helgoland

P. viridipunctata (Westblad,1946) (™ -

Gullmarfjord)
Gullmarn

P. stylifera (Westblad,1946)
= *Convoluta stylifera* Westblad,1946
Gullmarn, Bergen

Simplicomorpha Dörjes,1968

S. gigantorhabditis Dörjes,1968 (™ - Sylt)
Sylt

Otocelididae Westblad,1948

Archocelis Dörjes,1968

A. macrorhabditis Dörjes,1968 (™ - Helgoland)
Helgoland

Haplotestis Dörjes,1968

H. curvitubus Dörjes,1968 (™ - Helgoland)
Helgoland

Notocelis Dörjes,1968

N. gullmarensis (Westblad,1946) *gullmarensis*
(Westblad,1946)
= *Otocelis gullmarensis* Westblad,1946 (™ -
Gullmarfjord)
Gullmarn, Juist, Mediterranean

Otocelis Diesing,1862

O. rubropunctata (O. Schmidt,1852), non :
Westblad,1946, nec 1948
= *Proporus rubropunctatus* O. Schmidt,1852 (™)
Fredrikshavn, Helgoland, Britain, Ireland,
Greenland, Mediterranean

O. westbladi Ax,1959
= *O. rubropunctata* : Westblad,1946 & -48, non (O.
Schmidt,1852)
Gullmarn, Herdla, Helgoland

O. marisalbi (Sabussow,1899)
= *Böhmigia maris-albi* Sabussow,1899
White Sea

O. chirodotae Beklemishew,1915
@ esophagus & frontal gut of *Chiridota laevis*
Kola Gulf

Philocelis Dörjes,1968

P. cellata Dörjes,1968 (™ - Wilhelmshaven)

* Possibly. synonym. with *P. karlingi*

Sylt, Wilhelmshaven

P. karlingi (Westblad,1946)

= *Convoluta karlingi* Westblad,1946

Baltic (Dalarö), Öresund, Gullmarn

Hofsteniidae Bock,1923

* No NE Atlantic taxa?

Paratomellidae Dörjes,1966

Paratomella Dörjes,1966

P. rubra Rieger & Ott,1971

Helgoland, Sylt, Arcachon, Ireland?

P. unichaeta Dörjes,1966 (™ - Helgoland)

Helgoland, Tromsö?

Nadinidae Dörjes,1968

* No NE Atlantic taxa?

Anaperidae Dörjes,1968

Achoerus Beklemishev,1914 (™ *A. caspius*

Beklemishev,1914)

A. pachycaudatus Dörjes,1968

Sylt, Juist

Anaperus von Graff,1911 (™ *A. gardineri* von Graff,1911)

A. tvaerminnensis (Luther,1912)

= *Palmenia tvaerminnensis* Luther,1912

= *Palmeniola tvaerminnensis* : Forsius,1925

= *Anaperus balticus* Meixner,1938

Baltic, Gullmarn, Oslofj., Bergen. (Rather common), Helgoland, Sylt, Plymouth

A. rubellus Westblad,1945

Gullmarn, Trondheimsfj., Bergen

Paranaperus Westblad,1942

P. pellucidus Westblad,1942 (™)

Gullmarn, Oslofj., Trondheimsfj., Blyth, Millport

Philachoerus Dörjes,1968

P. johanni Dörjes,1968 (™ - Sylt)

Sylt, Juist

Praeanaperus Faubel & Regier,1983

P. tetraposthis Faubel & Regier,1983 (™)

North Sea

Antigonariidae Dörjes,1968

Antigonaria Dörjes,1968

A. arenaria Dörjes,1968 (™ - Helgoland)

Helgoland

Childiidae Dörjes,1968

Actinoposthia An der Lan,1936

A. biaculeata Faubel,1974

Sylt

A. haplovata Dörjes,1968

Helgoland

A. longa Faubel,1976

Sylt, Amrum

A. pigmentea Faubel,1976

Sylt, W. Jylland

A. caudata An Der Lan,1936 (™ - Greenland)

Greenland

Proactinoposthia Dörjes,1968

= *Archactinoposthia* Dörjes,1968

* The author describes the genus under the first name on p. 113, with reference to this species, but using the second name during the description of the species on p. 335 in the same paper.

P. pelophila Dörjes,1968 (™ - Helgoland)

Helgoland

Atriofronta Dörjes,1968

A. polyvacuola Dörjes,1968 (™ - Sylt)

Sylt, Helgoland

Childia von Graff,1910

C. groenlandica (Levinsen,1879)

= *Convoluta groenlandica* Levinsen, 1879 (™)
Baltic, Bohuslän (Gullmarn), Faeroes, W Greenland,
Woods Hole (Common).

Microposthia Faubel, 1974

M. listensis Faubel, 1974
Sylt

Paraphanostoma Steinböck, 1931

P. brachyposthium Westblad, 1942
Gullmarn, Skagerrak, Oslofj.-Tromsö., Helgoland
(Common)

P. crassum Westblad, 1942
Gullmarn, Oslofj., Bergen, Plymouth, Millport
(Rather common), Irish Sea, Adriatic

P. cycloposthium Westblad, 1942
Gullmarn, Skagerrak, Norwegian fjords -
Tromsö, Helgoland (Rather common), Irish Sea,
Mediterranean

P. dubium Westblad, 1942
* containing cleptocnids
Bohuslän, Bergen, Trondheimsfj., Iceland, Adriatic

P. gracilis Westblad, 1945
Gullmarn, Helgoland, Sylt, Firth of Clyde (Rather
common)

P. macroposthium (Steinböck, 1931)
= *Convoluta macroposthia* Steinböck, 1931 (™)
Gullmarn, Dröbak, Trondheimsfj., Helgoland,
Millport, Faeroes, Iceland, Mediterranean

P. submaculatum Westblad, 1942
Gullmarn, Norwegian fjords - Tromsö, Helgoland,
Plymouth (Common), Mediterranean

P. trianguliferum Westblad, 1942
Gullmarn, Oslofj., Helgoland, Roscoff,
Mediterranean

Paraproporus Westblad, 1945

P. diovatus Dörjes, 1968
Helgoland

P. rubescens Westblad, 1945 (™ - Gullmarfjord)
Gullmarn, Adriatic

P. lutheri (Westblad, 1946)
= *Convoluta lutheri* Westblad, 1940 (nomen
nudum)
= *Aphanostoma lutheri* Westblad, 1946
= *Pelophila cavernosa* Dörjes, 1968 (™ of
Pelophila Dörjes, 1968 - Helgoland)
Baltic, Gullmarn - Tromsö, Helgoland (Common).

P. pachymorpha (Dörjes, 1968)
= *Pelophila pachymorpha* Dörjes, 1968
Helgoland

P. elegans (An Der Lan, 1936)
Greenland

Philactinoposthia Dörjes, 1968

P. adenogonaria Dörjes, 1968
Helgoland

P. diploposthia Dörjes, 1968
Helgoland

P. helgolandica Dörjes, 1968
Helgoland

P. pusilla (Westblad, 1946)
Gullmarn

P. rhamnifera (Westblad, 1946)
Gullmarn, Iceland

P. saliens (von Graff, 1882)
= *Cyrtomorpha saliens* von Graff, 1882 (™)
= *Convoluta saliens* : von Graff, 1905
Baltic, Öresund, Gullmarn, Dröbak, Engl. Channel.
(very common), Ireland, Faeroes, Mediterranean

P. viridis Dörjes, 1968
Juist

P. viridorhabditis Dörjes, 1968
Helgoland

Pseudactinoposthia Dörjes, 1968

P. granaria Dörjes, 1968
Helgoland

P. saltans Dörjes, 1968 (™ - Juist)
Juist

Tetraposthia Steinböck, 1930, 1936

T. colymbetis Steinböck,1930 (™ - Greenland)
W Greenland

Polysolenoposthia ?Steinböck & Lanser,1931?
* Correct family?? Not mentioned in Cannon,1986,
neither by Neave.

P. bathycola Steinböck & Lanser,19??
= *P. bathycola* Steinböck,1932 (nomen nudum)
W Greenland

P. porsildi Steinböck & Lanser,19??
= *P. porsildi* Steinböck,1932 (nomen nudum)
W Greenland

Lamelliposthia ?Steinböck & Lanser,1931?
* Correct family?? Not mentioned in Cannon,1986,
neither by Neave.

L. rubromaculata Steinböck & Lanser,19??
= *L. rubromaculata* Steinböck,1932 (nomen
nudum)
W Greenland

Mecynostomidae Dörjes,1968

Eumecynostomum Faubel & Regier,1983

E. altitudi Faubel & Regier,1983
North Sea

E. bathycolum (Westblad,1948)
= *Pseudmecynostomum bathycolum*
(Westblad,1948)
Gullmarn

E. flavescens (Dörjes,1968)
= *Pseudmecynostomum flavescens* Dörjes,1968
= *Aphanostoma auritum* f. *flavescens* Westblad,1946
= *Mecynostomum auritum* f. *flavescens*
Westblad,1948
Gullmarn, Mellum, Bergen, Tvärminne, Millport

E. fragilis (Dörjes,1968)
= *Pseudmecynostomum fragilis* Dörjes,1968
Helgoland

E. juistensis (Dörjes,1968)
= *Pseudmecynostomum juistensis* Dörjes,1968
Juist

E. macrobursalium (Westblad,1946)

= *Pseudmecynostomum macrobursalium*
(Westblad,1946)
Gullmarn

E. maritimum (Dörjes,1968)
= *Pseudmecynostomum maritimum* Dörjes,1968
Helgoland

E. pallidum (Beklemishew,1915)
= *Aphanostoma pallidum* Beklemischew,1915
@ gut of *Myriotrochus rinkii*
Kola Gulf

E. papillosum (Faubel,1974)
= *Pseudmecynostomum papillosum* Faubel,1974
Sylt

E. westbladi (Dörjes,1968)
= *Pseudmecynostomum westbladi* Dörjes,1968 (™)
= *Aphanostoma auritum* f. *typica* Westblad,1946,
non (M. Schultze,1851)
= *Mecynostomum auritum* f. *typica* Westblad,1948,
non (M. Schultze,1851)
Baltic (Tvärminne,Askö), Gullmarn, Helgoland,
Bergen, Plymouth

Mecynostomum Van Beneden,1870

M. auritum (M. Schultze,1851)
= *Macrostomum auritum* M. Schultze,1851 (™)
= *Aphanostoma auritum* : von Graff,1930, non :
Westblad,1946 nec : 1948
= *Avagina aurita* : Auctt.
Baltic (Tvärminne, Dalarö), Öresund, Gullmarn,
Bergen, N. Germany, Sylt, Plymouth, Mediterranean

M. haplovarium Dörjes,1968
Sylt, Helgoland

M. predatum Faubel,1976
Amrum

M. cordiforme Levinsen,1879
* Sp. dubium, according to Steinböck,1932
W Greenland

M. lentiferum Levinsen,1879
* Sp. dubium, according to Steinböck,1932
W Greenland

Neomecynostomum Faubel & Regier,1983

N. granulum (Dörjes,1968)

= *Pseudmecynostomum granulum* Dörjes,1968 (™)
Helgoland

Paedomecynostomum Dörjes,1968

P. bruneum Dörjes,1968 (™ - Helgoland)
Sylt, Helgoland

Paramecynostomum Dörjes,1968

P. diversicolor (Ørsted,1845)
= *Aphanostoma diversicolor* Ørsted,1845 (™)
Isefjord, Holbæk fjord, Gullmarn, Oslofj., Bergen,
Plymouth, Port Erin, Millport, Engl. Channel, White
Sea

Philomecynostomum Dörjes,1968

P. lapillum Dörjes,1968 (™ - Sylt)
Sylt

Postmecynostomum Dörjes,1968

P. glandulosum (Westblad,1946)
= *Aphanostoma auritum* f. *glandulosum*
Westblad,1946
= *Pseudmecynostomum glandulosum* : Dörjes,1968
Gullmarn

P. pictum Dörjes,1968 (™ - Juist)
Gullmarn, Sylt, Helgoland, Juist

Pseudmecynostomum Dörjes,1968

P. bruneum Dörjes,1968
Gullmarn, Helgoland, Sylt

P. bruneofilum Faubel,1974
?

P. pelophilum Dörjes,1968 (™ - Juist)
Juist

Solenofilomorphidae Dörjes,1968

Oligophilomorpha Dörjes,1971

O. interstitiophilum Faubel,1974
Sylt

O. karlingi Dörjes,1971
Hällö

Solenofilomorpha Dörjes,1968

S. longissima Dörjes,1968 (™ - Helgoland)
Helgoland

Antroposthiidae Faubel,1976

Antroposthia Faubel, 1974

A. axi Faubel, 1974
Sylt

A. unipora Faubel,1974 (™ - Sylt)
Sylt

Convoluella Faubel,1974

C. brunea Faubel,1974 (™ - Sylt)
Sylt

Unantra Faubel,1976

U. polyvacuola Faubel,1976 (™ - Sylt)
Sylt

RHABDITOPHORA Ehlers

MACROSTOMIDA Meixner,1926

Dolichomacrostomidae Rieger,1971

Dolichomacrostominae Rieger,1971

Bathymacrostomum Faubel,1977

B. spirale Faubel,1977
North Sea (Fladen Grund)

Dolichomacrostomum Luther,1947

D. spiralis Ax,19??
Hällö

D. uniporum Luther,1947 (™ - Tvärminne)
* Brackish water species
Tvärminne, in brackish water, Schleswig, Skåne,
Halland

Megamorion Rieger & Sterrer,1968

M. brevicauda Rieger & Sterrer,1968 (™ -
Raunefjorden in 120m)
Bergen

Paramacrostromum Riedel,1932

P. tricladoides Riedel,1932

W Greenland

Paromalostomum Meixner, in Ax,1951

P. dubium (de Beauchamp,1927)

= *Omalostomum dubium* de Beauchamp,1927
Gullmarn, Sylt, Kieler Bucht, Belgium

P. fusculum Ax,1952

Sylt, Belgium

P. proceracauda Pawlak,1969

Sylt

P. notandum Ax,1951

Sylt

Karlingiinae Rieger,1971

Acanthomacrostromum Papi & Swedmark,1959

A. spiculiferum Papi & Swedmark,1959

Italy

Myozonaria Rieger,1968 (™ *M. bistylifera*

Rieger,1968)

M. arcassonensis Rieger,1971

Arcachon

M. falcis Sopott-Ehlers,1976

Arcachon, Roscoff

Macrostromidae Beneden,1870

Antromacrostromum Faubel,1974

A. armatum Faubel,1974

Sylt

Bradynectes Rieger,1971

B. sterreri Rieger,1971

Sylt, Belgium

Macrostromum Schmidt,1848

M. appendiculatum (O. Fabricius,1826)

= *M. hystrix* Ørsted,1843

Tvärminne, Greifswald, Kieler Bucht, German
North Sea, Plymouth, Port Erin, Kola peninsula,
Mediterranean, Black Sea

M. balticum Luther,1947

Tvärminne, Kieler Bucht, Gullmarn, Sylt, Amrum

M. boreale Riedel,1932

W Greenland

M. curvituba Luther,1947

* Brackish water species

Tvärminne, Kieler Bucht, Gullmarn, Bohus-
Malmön, Amrum

M. hamatum Luther,1947

* Brackish water species

Tvärminne, in wet seashore sand, Swedish &
German Baltic

M. hystrixinum Beklemischev,1951

* brackish water species

Baltic, Kieler Bucht, Plymouth, Isle of Man, Spain,
Mediterranean, Black Sea

M. magnacurvituba Ax,1994

Iceland, Greenland

M. minutum Luther,1947

= *M. tuba* var. *minuta* Luther,1947

Tvärminne, in brackish water

M. pusillum Ax,1951

Kieler Bucht, Öresund, Gullmarn, Bergen, Dröbak,
Esbjerg, Sylt, Amrum, Plymouth, Tromsö

M. rostratum Papi,1951

= *M. viride* subsp. *rostrata* Papi,1951

* fresh water species, tolerating slightly saline water
Finnish Baltic

M. rubrocinctum Ax,1951

Kieler Bucht, Öresund, Gullmarn

M. spirale Ax,1956

Baltic, Öresund

M. tenuicauda Luther,1947

Tvärminne, in wet seashore sand

M. bicurvistyla Ax & Armonies, 1990

NE Atlantic

Myozona Marcus,1949

M. purpurea Faubel,1974
Sylt

M. styliifera Ax,1956
Sylt, Belgium

Psammomacrostomum Ax,1966 (™ *P. equicaudum* Ax, 1966)

P. turbanelloides Karling,1974
Baltic

Microstomidae Luther,1907

Aleurina Busch,1851

A. composita Metschnikow,1865
Isefjord, Kattegatt, Bohuslän, Skagerrak, North Sea,
White Sea

A. alba Attems,1897
Kattegatt, Fredrikshavn

Microstomum Schmidt,1848

M. bioculatum Faubel,1984
Wilhelmshaven

M. crildensis Faubel,1984
Wilhelmshaven

M. hamatum Westblad,1953
* containing cleptocnids
Bohusl., Bergen, Plymouth

M. jenseni Riedel,1932
?= *M. tortipenis* Steinböck,1938
* containing cleptocnids
Gullmarn, Bergen, Sylt, Wilhelmshaven, W
Greenland

M. lineare (O.F. Müller,1774)
= *Fasciola linearis* O.F. Müller,1774
* fresh water species, tolerating slightly saline
waters
* containing cleptocnids
Baltic, White Sea

M. oculatum ?,1???
Wilhelmshaven

M. papillosum von Graff,1882
?= *M. ornatum* Uljanin,1870
Gullmarn, Sylt

M. rubromaculatum von Graff,1882
* Possibly a synonym of *M. groenlandicum*
(Levinsen)
Gullmarn, Bergen, Ireland, Faroes, Iceland,
Mediterranean

M. septentrionale (Sabussow,1899)
?= *Microstoma ornatum* Sabussow,1897
= *Microstoma septentrionale* Sabussow,1899
* Possibly a synonym of *M. papillosum* von Graff
Gullmarn, Bergen, Kola peninsula, ?Iceland

M. spiculifer Faubel,1974
Sylt

M. spiriferum Westblad,1953
* Possibly a synonym of *M. groenlandicum*
(Levinsen)
* containing cleptocnids
Gullmarn, Dröbak, Tromsø, Millport

M. groenlandicum Levinsen,1879
Bergen, Ireland, W Greenland

M. mortenseni Riedel,1932
W Greenland

M. dermatophthalmum Riedel,1932
W Greenland

TREPAXONEMATA Ehlers

POLYCLADIDA Lang,1884

ACOTYLEA Lang,1884

Stylochoidea Poche,1926, emend. Nicoll,1936
= Craspedommata Bock,1913

Polyposthiidae Bergendal,1893, emend. Bock,1913

Cryptocelides Bergendal,1890

C. loveni Bergendal,1890 (™ - Gullmarfjord)
Bohuslän, Firth of Clyde, off W Morocco

Polyposthia Bergendal,1893, em. Bock,1913

P. similis Bergendal,1893 (™ - Gullmarfjord)

Bohuslän, Skagerrak, W Scotland

Plehniiidae Bock,1913

Discocelides Bergendal,1893

D. langi Bergendal,1893 (™ - Gullmarfjord)
Bohuslän, Denmark, Lofoten, Bodø, Shetlands

Plehnia Bock,1913

P. arctica (Plehn,1896)
= *Acelis arctica* Plehn,1896 (™ - Spitsbergen)
?= *Polyporus caecus* Plehn,1897
E Spitsbergen, off Jan Mayen, E Greenland

Cryptocelididae Laidlaw,1903, emend. Poche,1926

Cryptocelidinae Laidlaw,1903 (Prudhoe,1985)

Cryptocelis Lang,1884

C. alba Lang,1884 (™ - Bay of Naples)
Firth of Clyde, Plymouth, Naples

C. equihenii Hallez,1888
= *Cryptocelis arenicola* Hallez,1893
Pas-de-Calais

Pseudostylochidae Faubel,1983

Cryptostylochus Faubel,1983 (™ *C. coseirensis*
(Bock,1925))

C. hullensis Faubel & Gollasch,1996
Bremerhafen on a ships hull, after having visited
Florida, South Carolina, Baltimore, New York,
Southampton, Le Havre and Antwerp

Planoceroidea Lang,1884, emend. Nicoll,1936
= Schematommata Bock,1913

Leptoplanidae Stimpson,1857

Stylochoplaninae Meixner,1907

Stylochoplana Stimpson,1857
= *Alloioiplana* Plehn,1896
= *Notoplanides* Palombi,1928

S. maculata (Quatrefages,1845)
?= *Planaria subauriculata* Johnston,1836
= *Stylochus maculata* Quatrefages,1845 (™ - St

Malo)

= *Planaria corniculata* Dalyell,1853
Bohuslän, Ireland, Britain, W Mediterranean

S. agilis Lang,1884
Engl. Channel, Portugal, W Mediterranean

Notoplana Laidlaw,1903 (™ *Centrostromum*
dubium Schmarda,1895 - Sri Lanka)

N. atomata (O.F. Müller,1777)
= *Planaria atomata* O.F. Müller,1777
= *Polycelis fallax* Quatrefages,1845
= *Planaria maculata* Dalyell,1853
Isefjord, Bohuslän, W & N Norway, Faeroes,
Ireland, Britain, Shetlands, Orkneys, Engl. Channel,
Newfoundland, Massachusetts

N. kuekenthali (Plehn,1896)
= *Leptoplana kuekenthali* Plehn,1896
Spitsbergen, ?White Sea, Kara Sea, Jan Mayen, E &
W Greenland

Leptoplaninae Stimpson,1857 (Marcus,1947)

Leptoplana Ehrenberg,1831, sensu Lang,1884 (™
L. hyalina Ehrenberg,1831 - Red Sea)

L. tremellaris (O.F. Müller,1774)
= *Fasciola tremellaris* O.F. Müller,1774
= *Planaria flexilis* Dalyell,1814
Bohuslän, Bergen, Ireland, Britain, White Sea,
Greenland, Mediterranean, Black Sea

L. schizoporellae Hallez,1893
@ on *Schizoporella linearis*
Pas-de-Calais

?*L. mertensii* (Claparède,1861)
= *Centrostromum mertensii* Claparède,1861
Arran

Planoceridae Lang,1884

Planocera de Blainville,1828, sensu Lang,1884

P. pellucida (Mertens,1832)
= *Planaria pellucida* Mertens,1832 (™ - Atlantic
Ocean, 7°48'N, 23-56°W)
North Sea, ?Pelagic in W. Skagerrak?

?*P. folium* (Grube,1841)
= *Stylochus folium* Grube,1841

E Scotland, Mediterranean

Cestoplanoidea Lang,1884, emend. Prudhoe,1983
= Emprosthommata Bock,1913

Cestoplanidae Lang,1884

Cestoplana Lang,1884
= *Orthostomum* Grube,1840 (nomen oblitum?)
= *Tricelis* Quatrefages,1845 (nomen oblitum?)

C. rubrocincta (Grube,1840)
= *Orthostomum rubrocinctum* Grube,1840 (™ -
Mediterranean)
Pas-de-Calais, Mediterranean, Cape Verde, Japan

COTYLEA Lang,1884

Pseudocerotidae Lang,1884, emend. Poche,1926

Thysanozoon Grube,1840
= *Acanthozoon* Collingwood,1876
= *Thysanoplana* Plehn,1896

T. brocchii (Risso,1818)
= *Tergipes brocchii* Risso,1818 (™ - Sicily)
Bergen, Plymouth, Mediterranean

Euryleptidae Stimpson,1857

Euryleptinae Stimpson,1857

Eurylepta Ehrenberg,1831

E. cornuta (O.F. Müller,1776)
= *Planaria cornuta* O.F. Müller,1776 (™ -
Kristiansand)
= *Eurylepta dalyellii* Johnston,1865
= *Eurylepta lobianchii* Hallez,1893
Bohuslän, Bergen, Ireland, Britain, W
Mediterranean

Cycloporus Lang,1884

C. papillosus (M. Sars, in Jensen,1878)
= *Thysanozoon papillosus* M. Sars, in Jensen,1878
(™ - Florø)
Bohuslän, Florø, Ireland, W Britain, Plymouth, W
Mediterranean

C. maculatus Hallez,1893
Pas-de-Calais

Oligocladus Lang,1884

O. sanguinolentus (Quatrefages,1845)
= *Proceros sanguinolentus* Quatrefages,1845 (™
- St Malo)
= *Eurylepta aurita* Claparède,1861
Bohuslän, Lofoten, Ireland, Britain, W
Mediterranean

Prostheceraeus Schmarda,1859

P. vittatus (Montagu,1815)
= *Planaria vittata* Montagu,1815 (™ - Kingsbridge
estuary, Devon)
Bohuslän, Bergen, Ireland, Britain, W
Mediterranean

P. argus (Quatrefages,1845)
= *Proceros argus* Quatrefages,1845
St Malo

Stylostomum Lang,1884
= *Aceros* Lang,1884, non Hodgson,1844, nec
Boeck,1861
= *Acerotisa* Strand,1926

S. ellipse (Dalyell,1853)
= *Planaria ellipse* Dalyell,1853 (™ - St Andrews,
E Scotland)
= *Stylostomum variabile* Lang,1884
Bohuslän, Spitsbergen, Ireland, Britain, W
Mediterranean

S. typhla (Bock,1913)
= *Aceros typhlus* Bock,1913
= *Acerotisa typhla* : Strand,1926
W. Norway

Prosthiostomidae Lang,1884

Prosthiostomum Quatrefages,1845
= *Mesodiscus* Minot,1877

P. siphunculus (Delle Chiaje,1828)
= *Planaria siphunculus* Delle Chiaje,1828 (™ -
Bay of Naples)
Ireland, Engl. Channel, Atlantic France & Iberia, W
Africa, W Mediterranean

NEOOPHORA Westblad

SERIATA Bresslau

PROSERIATA Meixner,1938

Coelogynoporidae Karling,1966

Carenscoilia Sopott,1972

C. bidentata Sopott,1972
Helgoland, Sylt, Västjylland, Belgium

C. biforamen Sopott,1972
Helgoland, Sylt, Tromsö, Belgium

Cirrifera Sopott,1972 non Cookson &
Eisenack,1960 (Ciliata)

C. aculeata (Ax,1951)
= *Coelogynopora aculeata* Ax,1951
Kieler Bucht, Sylt, Helgoland, W. Jylland, Wales

C. boletiforme Sopott,1972
Sylt

C. cirrifera Sopott,1972
Sylt

C. dumosa Sopott,1972
Sylt

C. sopottehlersae Noldt & Jouk,1988
German & Belgian North Sea coast

Coelogynopora Steinböck,1924

C. axi Sopott,1972
Sylt

C. biarmata Steinböck,1924
* containing cleptocnids
Baltic, Kieler Bucht, Gullmarfjord, Helgoland, Sylt,
Tromsö, Black Sea, W Greenland

C. bressloui Steinböck,1924
Baltic

C. cassida Sopott-Ehlers,1985
French Biscay coast

C. distortofolio Sopott,1972
Sylt

C. faenofurca Sopott-Ehlers,1992
@ in burrows of *Arenicola marina*
German North Sea

C. forcipis Sopott-Ehlers,1976
Sylt, Arcachon

C. gallica Sopott-Ehlers,1976
Roscoff, Arcachon

C. gynocotyla Steinböck,1924
Sylt, Kieler Bucht, Belgium

C. hamulis Sopott-Ehlers,1980
North Sea

C. hangoensis Karling,1953
Finnish Baltic, Tromsö, Faeroes, Greenland

C. schulzii Meixner,1938
Baltic, Kieler Bucht, Öresund, Gullmarn, Sylt,
Tromsö

C. sequana Sopott-Ehlers,1992
Baltic, Mouth of river Seine

C. solifer Sopott,1972
Sylt

C. steinboecki Sopott-Ehlers,1980
North Sea

C. tenuis Meixner,1938
* containing cleptocnids
Sylt, Kieler Bucht

C. visurgis Sopott-Ehlers,1989
Mouth of Weser river

Diporoplana Steinböck, 1932
@ Correct family? Not mentioned by Cannon,1966.
Considered an incertae sedis now.

D. cnidophora Steinböck, 1932 (nomen nudum)
W Greenland

D. fulgipenis Steinböck, 1932 (nomen nudum)
W Greenland

Ezona Tajika,1980 (TM *E. pinnigera* Tajika,1980
- W Pacific)

Invenusta Sopott-Ehlers,1976

I. aestus Sopott-Ehlers,1976
Arcachon, Canary Isles

Vannuccia Marcus,1948

V. umbilica Sopott,1972
Sylt

Monocelididae Hofsten,1907

Mesoda Marcus,1949
= *Pistrix* Marcus,1951

Monocelidinae Hofsten,1907 (Marcus,1949)

Archilina Ax,1959, emend. Martens, Curini & Galletti,1994

Archiloa Beauchamp,1910

A. petiti Ax,1956
Arcachon

A. westbladi Ax,1954
Baltic

Archilopsis Meixner,1938

A. spinosa (Jensen,1878)
= *Monocelis spinosa* Jensen,1878
= *Archilopsis inopinata* Martens,1984
Bergen, Plymouth

A. unipunctata (O. Fabricius,1826)
= *Planaria unipunctata* O. Fabricius,1826
= *Monocelis unipunctata* : Auctt.
= *Monocelis spinosa* Jensen,1878
Baltic, Öresund, Kieler Bucht, Halland, Gullmarn,
Bohus-Malmön, Smögen, Sylt, Bergen, Tromsö,
Ireland, Plymouth, E Scotland, W France, Madeira,
Canaries, Black Sea

Boreocelis Westblad,1952

B. filicauda Westblad,1952
Gullmarn, Dröbak, Bergen, Newcastle

Inaloo Martens, Curini & Galletti,1994 (™)
Monocelis cirrifera Meixner,1943)

Monocelis Ehrenberg,1831

M. alba Levinsen,1879
= *Coleophora alba* : Steinböck,1932
Plymouth, Ireland, W Greenland, ?White Sea

M. fusca Ørsted,1843
= *M. assimilis* Jensen,1878
Bohuslän, Bergen, Sylt, Tromsö, Barents Sea, White
Sea, W Greenland, Ireland, Engl. Channel, Black
Sea

M. gamblei von Graff,1913
= ?*Automolos ophiocephalus* : Gamble,1893, non
(O. Schmidt,18??)
Plymouth, Ireland

M. levinseni Fügenschuh,19??
= *Coleophora levinseni* Fügenschuh :
Steinböck,1932 (nomen nudum)
* Now considered an incertae sedis.
W Greenland

M. lineata (O.F. Müller,1774)
= *Planaria subulata* O. Fabricius,1780
Baltic, Öresund, Bohuslän, Sylt, Oslofj., Bergen,
Faeroes, Tromsö, White Sea, W Greenland, Ireland,
Mediterranean, Black Sea

M. wilhelmii von Graff,1911
Ireland, Woods Hole

Monocelopsis Ax,1951

M. otoplanoides Ax,1951 (™ - Kieler Bucht)
Kieler Bucht, Belgium

M. septentrionalis (Sopott,1972) Martens, Curini &
Galletti,1994
= *Mesoda septentrionalis* Sopott,1972
Sylt

Pseudomonocelis Meixner,1943

P. agilis (M. Schultze,1851)
= *Monocelis agilis* M. Schultze,1851
Baltic, Bergen

Tajikina Martens, Curini & Galletti,1994 (™)
Archiloo juliae Tajika,1982)

Minoninae Karling,1978

Duplominona Karling,1966

D. septentrionalis Martens,1983
North Sea

Duploperaclistus Martens,1983

D. circocirrus Martens,1983 (™)
North Sea

Ectocotyla Hyman,1944

E. hirudo (Levinsen, 1879)
= *Monocelis hirudo* Levinsen,1879
= *Coleophora hirudo* : Steinböck,1932
= *Monocelis honorei* Fügenschuh : Steinböck,1932
(nom. nudum)
@ mouth parts of *Chionoecetes opilio*
Plymouth, W Greenland

Minona Marcus,1946

M. baltica Karling & Kinnander,1953
Finnish & Swedish Baltic, Halland

M. degadti Martens,1983
North Sea

Peraclistus Steinböck,1932

P. bathycolus Fügenschuh,19??
= *P. bathycolus* Fügenschuh : Steinböck,1932
(nomen nudum)
W Greenland

P. oophagus (Friedmann,1924)
= *Monocelis oophaga* Friedmann,1924
= *Coleophora chionoecetis* Fügenschuh :
Steinböck,1932 (nomen nudum)
@ *Hyas araneus* & on eggs of *Chionoecetes opilio*
Murmansk, Canada, W Greenland

P. prostenopharynx Fügenschuh,19??
= *P. prostenopharynx* Fügenschuh : Steinböck,1932
(nomen nudum)
W Greenland

Preminona Karling,1966

Pseudominona Karling,1978

Promotinae Marcus,1949

Paramonotus Meixner,1938

P. hamatus (Jensen,1878)
= *Monocelis hamata* Jensen,1878
= *Automolos hamata* : Auctt.

= *Automolos horridus* Gamble,1893
* Brackish water species
Baltic, Kieler Bucht, Bergen, Plymouth

Promonotus Beklemischev,1927

P. arcassonensis Ax,1959
Helgoland, Arcachon

P. brevirostris Fügenschuh,19??
= *P. brevirostris* Fügenschuh : Steinböck,1932
(nomen nudum)
W Greenland

P. groenlandicus Fügenschuh,19??
= *P. groenlandicus* Fügenschuh : Steinböck,1932
(nomen nudum)
W Greenland

P. longirostris Fügenschuh,19??
= *P. longirostris* Fügenschuh : Steinböck,1932
(nomen nudum)
W Greenland

P. marci Ax,1954
Sylt

P. schultzei Meixner,1943
Baltic, Kieler Bucht, Öresund, Halland, Gullmarn,
Bohus-Malmö, Saltö, Sylt, Amrum, Mediterranean

Archimonocelididae Meixner,1938

Archimonocelidinae Meixner,1938

Archimonocelis Meixner,1938

A. bathycola (Westblad,1952)
* containing hydrozoan cleptocnids
Bergen

A. koinocystis Karling,1966
* containing hydrozoan cleptocnids
Bergen

A. oostendensis Martens & Schockaert,1981
Belgium

Meidiama Marcus,1946

Calviriinae Martens & Curini-Galletti,1993

Calviria Martens & Curini-Galletti,1993 (™ C.

solaris Martens & Curini-Galletti,1993 - Corsica)

Nematoplanidae Meixner,1938, emend. Curini-Galletti & Martens,1992

Ezoplana Tajika,1982 (TM *E. masacoae* Tajika,1982 - Japan)

Nematoplana Meixner,1938

N. coelogyoporoides Meixner,1938
Sylt, Kieler Bucht

Polystyliphora Ax,1958

P. filum Ax,1958
Hällö, Sylt, Tromsö

Otomesostomidae Bresslau,1933

Otomesostoma von Graff,1882

O. auditivum (Plessis,1874)

*Fresh water species, tolerating slightly saline water
Finnish Baltic, rivers & lakes in Fennoscandia,
Russia, Germany, Scotland, Ireland)

Otoplanidae Hallez,1892

Bothriomolus Hallez,1909

B. balticus Meixner,1938

* Possibly a synonym of *B. constrictus* Hallez
Baltic, Kieler Bucht, Bohuslän, Sylt, Tromsö

B. constrictus Hallez,1909
Engl. Channel

Bulbotoplana Ax,1956

B. acephala Ax,1956
Kieler Bucht, W. Jylland, Sylt, Arcachon

Dicoelandropora Ax,1956

D. atriopapillata Ax,1956
Kieler Bucht, Sylt, Helgoland

Itaspiella Ax,1956

I. helgolandica (Meixner,1938) *helgolandica*
(Meixner,1938)
= *Otoplana helgolandica* Meixner,1938

= *Otoplana armata* Ax,1951

Kieler Bucht, Helgoland, Tylösand, Tromsö

Kataplana Ax,1956

K. arcuata Sopott-Ehlers,1976
Arcachon

K. germanica (Meixner in Ax,1951)
= *Philosyrtis germanica* Meixner, in Ax,1950
Kieler Bucht, Amrum, Sylt, Belgium

K. mesopharynx Ax,1956
Sylt

Monostichoplana Ax,1956, emend. Ax,
Wiedemann & Ehlers,1978

M. filum filum (Meixner,1938) Ax, Wiedemann &
Ehlers,1978
= *Orthoplana filum* (Meixner,1938)
Helgoland, Sylt

M. tenuissima Ax,1956
Arcachon

Napoliplana Ax, Wiedemann & Ehlers,1978 (TM
N. cinctata Ax, Wiedemann & Ehlers,1978 -
Tyrrhenian Sea)

Notocaryoplana Steinböck,1935, emend.
Tajika,1983

N. arctica Steinböck,1935 (TM - Greenland)
Greenland (Nordfjorden)

Notocaryoplanella Ax,1956

N. glandulosa (Ax,1951)
= *Otoplana glandulosa* Ax,1951
Kieler Bucht, Sylt, Tromsö

Orthoplana Steinböck,1932

O. borealis (Steinböck,1931)
= *Otoplana borealis* Steinböck,1931
Kiel, Helgoland, Faeroes, W Greenland

O. porsildi Kohler,1933?
= *O. porsildi* Kohler : Steinböck,1932 (nomen
nudum)
W Greenland

Otoplanella Ax,1956

O. baltica (Meixner,1938)
= *Otoplana baltica* Meixner,1938
Kieler Bucht, Öresund, Sylt, Arcachon, Belgium

O. schulzi (Ax,1951)
= *Otoplana schulzi* Ax,1951
Kieler Bucht, Sylt

Otoplanidia Meixner,1938

O. endocystis Meixner,1938
Kieler Bucht, Sylt

Paraplana Ax,1956

P. biscayensis Ax,1956
Arcachon

Parotoplana Meixner,1938

P. bicupa Sopott-Ehlers,1976
Arcachon

P. capitata Meixner,1938
Hällö, Sylt, Esbjerg, Kieler Bucht, Arcachon

P. papii Ax,1956
Kieler Bucht, Sylt, Arcachon

P. primitiva Ax,1956
Arcachon

P. renatae Ax,1956
Banyuls sur Mer

Parotoplanina Ax,1956

P. geminoducta Ax,1956
Kieler Bucht, Sylt, Arcachon

Philosyrtis Giard,1904

P. armoricae Sopott-Ehlers,1985
French Biscay

P. coomansi Martens & Schockaert,1981
Netherlands

P. fennica Ax,1954
Finnish Baltic, Tromsö

P. monotoides Giard,1904
Engl. Channel

P. rotundicephala Sopott,1972
Sylt

P. rutilata Sopott-Ehlers,1976
Sylt, Arcachon

Postbursoplana Ax,1956

P. minima Ax,1956
Arcachon

Praebursoplana Ax,1956

P. reisingeri Ax,1956
Sylt

P. steinboeckii Ax,1956
Sylt, Arcachon

Pseudorthoplana Ax, Wiedemann & Ehlers,1978

P. foliacea (Meixner,1938)
= *Otoplana foliacea* Meixner,1938 (™)
= *Orthoplana foliacea* (Meixner,1938)
Helgoland

Pseudosyrtis Ax,1956

P. subterranea (Ax,1951)
= *Otoplana subterranea* Ax,1951
Baltic (Tvärminne, Åhus, Kieler Bucht), Tylösand, S
France, Black Sea

Xenotoplana Ax, Wiedemann & Ehlers,1978 (™
X. acus Ax, Wiedemann & Ehlers,1978 - Tyrrhenian
Sea)

Monotoplanidae Ax,1958

Monotoplana Meixner,1938
= *Globuliphora* Westblad,1952

M. rufifrons (Westblad,1952)
Gullmarn, Dröbak, Bergen, Millport

TRICLADIDA Lang,1881
(Fresh water species (PALUDICOLA) may be found
in brackish water)

MARICOLA Hallez,1892

Meixnerididae Westblad,1952
= Meixneridae Westblad,1952

Meixnerides Westblad,1952

Bdellouridae Diesing,1862

Bdelloura Leidy,1851

B. candida (Girard,1850)

@ *Limulus polyphemus*

* May possibly be introduced in Europe through the spreading of the host animal
US Atlantic

Pentacoelum Westblad,1935

P. fucoideum Westblad,1935
Baltic

P. hispaniense Sluys,1989
Spain in fresh water

P. punctatum (P. Brandtner,1935) Sluys & Bush,1988
= *Sabussowia punctata* P. Brandtner,1935
Baltic

Palombiellinae Sluys,1989

Oahuhawaiiiana Kawakatsu & Mitchell,1984 (™
O. kazukolinda Kawakatsu & Mitchell,1984)

Miava Marcus,1954 (™ *M. evelinae* Marcus,1954)

Palombiella Westblad,1951

Synsiphonium Hallez,1911 (™ *S. liouvilli* Hallez,1911)

Procerodidae Diesing,1862

Jugatovaria Sluys & Ball,1989 (™ *J. spinosa* Sluys & Ball,1989 - S Australia)

Obrimoposthia Sluys & Ball,1989 (™ *O. acuminata* Sluys & Ball,1989 - New Zealand)

Procerodes Girard,1851
= *Gunda* Schmidt,1862

P. littoralis (Strøm,1768)

= *Hirudo littoralis* Strøm,1768
= *Planaria ulvae* Ørsted,1843
Isefjord, Bohuslän, Skåne, Baltic, Bergen, Ireland, Scotland, N France, White Sea

P. lobatus (Schmidt,1861)
Engl. Channel

P. lobatus var. *solowetzkiana* Sabussow,1900
Faeroes, White Sea

P. plebeius (Schmidt,1861)
= *P. ireneae* Den Hartog,1968
Engl. Channel

Micropharynx Jägerskiöld,1897

M. parasitica Jägerskiöld,1897
@ *Raja*
Skagerrak

M. murmanica Awerinzew, 1925
@ *Raja* spp.
Murmansk

Sabussowia Böhmig,1906

S. dioica (Claparede,1863)
Engl. Channel, ?Ireland

Uteriporidae Böhmig,1906

Allogenus Sluys,1989 (™ *Procerodes kerguelenensis* (Hyman,1958))

Uteriporus Bergendal,1890

U. vulgaris Bergendal,1890
Bohuslän (Gullmarn, Strömstad), Mölle, Kieler Bucht, Lofoten, White Sea, Ireland

Foviella Bock,1925

F. affinis (Ørsted,1843) Bock,1925
= *Planaria affinis* Ørsted,1843
= *Fovia affinis* : Auctt.
Öresund, Bergen, Faeroes, Belgium, ?White Sea, W Greenland

Ostenocula Sluys,1989 (™ *Procerodes harmsi* Lehmensick,1937)

Paucumara Sluys,1989 (™ *Procerodes*

trigonocephala Ijima & Kaburaki,1916)

Procerodella Sluys,1989 (™ *Procerodes japonica* Kato,1955)

RHABDOCOELA Ehrenberg,1831

“**TYPHLOPLANOIDA**” Bresslau, 1928-1933

TYPHLOPLANIDA

Byrsophlebidae von Graff,1882

Byrsophlebs Jensen,1878

B. dubia (Ax,1956)
= *Maehrenthalia dubia* Ax,1956
Baltic, North Sea

B. graffii Jensen,1878 (™)
Skagerrak, Bergen, Trondheim, Ireland, Engl.
Channel, Faeroes, White Sea, W Greenland

Maehrenthalia von Graff,1905

M. agilis (Levinsen,1879)
= *Mesostomum agile* Levinsen,1879
North Sea, Bergen, Ireland, Barents Sea, White Sea,
W Greenland, Engl. Channel, California

M. americana Ax & Armonies, 1990
NE Atlantic

Maehrenthaliella Karling,1985

M. intermedia (von Graff,1882)
= *Byrsophlebs intermedia* von Graff,1882 (™)
= *Maehrenthalia intermedia* (von Graff,1882)
North Atlantic phytal-zone, Ireland

Parabyrsophlebs Karling,1985

P. coeca (Luther,1948)
= *Maehrenthalia coeca* Luther,1948 (™)
Gullmarn, Skagerrak

Ciliopharyngiellidae Ax,1952

Ciliopharyngiella Ax,1952

C. intermedia Ax,1952
Sylt

C. constricta Martens & Schockaert,1981
Netherlands, Belgium

Kytorhynchidae Rieger,1974

Kytorhynchus Rieger,1974

Neokytorhynchus Ehlers & Ehlers,1981 (™ *N. pacificus* Ehlers & Ehlers,1981 - Galapagos)

Promesostomidae Den Hartog,1964

Coronhelms Luther,1948

C. inornatus Ehlers,1974
Sylt

C. lutheri Ax,1951
Baltic, Kieler Bucht, Sylt, Römö (W. Jylland)

C. multispinosus Luther,1948 (™)
Baltic, Kieler Bucht, Sylt, Römö (W. Jylland)

C. parvamanica Ehlers, in Schmidt,1972 (nomen nudum)
Tromsö

C. tripartitus Ehlers,1974
Sylt

Gaziella De Clerck & Schockaert,1995 (™ ? - Kenya)

Kymocarens Ehlers & Ehlers,1981 (™ *K. tibialis* Ehlers & Ehlers,1981 - Galapagos)

Listea Ax & Heller,1970

L. simplex Ax & Heller,1970
Sylt

Litucivis Ax & Heller,1970

L. serpens Ax & Heller,1970
Sylt, SW Baltic, Helgoland

Pararhynchella Ehlers & Ehlers,1981 (™ *P. fusca* Ehlers & Ehlers,1981 - Galapagos)

Promesostoma von Graff,1882

P. agile (Levinsen,1879)
= *Mesostomum agile* Levinsen,1879

England, Ireland, W Greenland, White Sea

P. balticum Luther, 1918

Finnish Baltic, Kieler Bucht

P. bilineatum (Pereyaslawzewa, 1892)

Baltic, Black Sea

P. bipartitum Ax, 1956

Sylt

P. caligulatum Ax, 1952

Baltic, Öresund, Sylt, Tromsö

P. cochlearis Karling, 1935

Finnish Baltic, Kieler Bucht, Sylt, Tromsö

P. dennisalleni Ax, 1995

NE Atlantic

P. digitosa Ax, 1995

NE Atlantic

P. ericae Faubel, 1980

German North Sea

P. gracilis Ax, 1951

Kieler Bucht, Sylt

P. karlingi Ehlers, 1974

Halmstad, Sylt, Bergen

P. kergroixense Ehlers & Sopott-Ehlers, 1989

French Atlantic

P. kristenseni Ax, 1993

Greenland

P. lenticulatum (O. Schmidt, 1852)

= *Vortex punctatus* Levinsen, 1879

Faeroes, W Greenland, Ireland, Engl. Channel

P. maculosum Ax, 1956

Arcachon

P. marmoratum marmoratum (M. Schultze, 1851)

= *Mesostomum marmoratum* M. Schultze, 1851

Baltic, Kieler Bucht, Öresund, Isefjord, Fredrikshavn, Bohuslän (Gullmarn), Bergen, Sylt, Ireland, Barents Sea, White Sea, W Greenland, Mediterranean, Black Sea, E USA

P. marmoratum nudum von Graff, 1913

Bergen, Helgoland, W Greenland, Mediterranean, Black Sea, Woods Hole

P. meixneri Ax, 1951

Kieler Bucht, Sylt, Jordsand (W. Jylland), Tromsö?

P. meixneri roscoffense Ehlers, 1980

Roscoff

P. neglectum Karling, 1967

Öresund, Gullmarn, Bergen

P. norvegicum Karling, 1967

Bergen

P. nynaesiensis Karling, 1957

Baltic

P. ovoideum ovoideum (Schmidt, 1852)

Plymouth, Isle of Man, Ireland, W Greenland, Concarneau, Mediterranean

P. ovoideum purum von Graff, 1913

W Greenland, Irish Sea, Engl. Channel

P. paracochlearis Ax, 1952

Bergen

P. rostratum Ax, 1951

Kieler Bucht, Öresund, Sylt, Roscoff, Tromsö, Greenland

P. serpentistylum Ax, 1952

Sylt, Jordsand (W. Jylland)

P. solea (O. Schmidt, 1857)

= *Mesostoma solea* Schmidt, 1857

Engl. Channel, Ireland

P. spiriferum Karling, 1967

Bergen

Subulagera Ehlers, 1974

S. mucronata Ehlers, 1974

Sylt

S. rubra Martens & Schockaert, 1981

North Sea, Belgium

Tvaerminnea Luther, 1943

T. direceptacula Ehlers, Müller & Franke, 1994

Sylt

T. karlingi Luther,1943 (™)
Baltic, Öresund, Wales

Brinkmanniellinae Luther,1948

Brinkmanniella Luther,1943

B. macrostomoides Luther,1948
Baltic, Öresund, Hällö, Sylt

B. obtusa Luther,1943
Bohuslän, Dröbak, Bergen

B. palmata Karling,1985
Bohuslän

B. procerastyla Ehlers,1974
Sylt, SW Baltic

Protandrella Ehlers, Müller & Franke,1994

P. cirrifera Ehlers, Müller & Franke,1994 (™)
Sylt, Baltic

Westbladiella Luther,1943

W. obliquepharynx Luther,1943
German North Sea coast

Adenorhynchinae Ax & Heller,1970

Adenorhynchus Meixner,1938

A. balticus Meixner,1938
Sylt, Kieler Bucht, Jordsand (W. Jylland)

Scoliopharyngia Ehlers, Müller & Franke,1994

S. listensis Ehlers, Müller & Franke,1994 (™)
Sylt

S. arenicola Ehlers, Reise & Armonies, 1995
NE Atlantic

Solenopharyngidae von Graff,1882

Adenopharynx Ehlers,1972

A. mitrabortalis Ehlers,1972
Sylt, Roscoff, Römö (W. Jylland)

Anthopharynx Karling,1940

A. sacculipenis Ehlers,1972
Roscoff, Sylt

A. vaginatus Karling,1940
Baltic

Aulopharynx Ehlers,1972

A. aestuarius Ehlers,1972
Sylt, Belgium

Doliopharynx Ehlers,1972

D. geminocirro Ehlers,1972
Sylt, W. Jylland, Belgium

Espegrendia Westblad,1954

E. norvegica Westblad,1954
Bergen

Proceropharynx Ehlers,1972

P. anophthalmus (Meixner,1929)
Sylt, W. Jylland, SW Baltic

P. litoralis Ehlers,1972
Sylt

Solenopharynx von Graff,1882

S. flavidus von Graff,1882
?

Tensopharynx Ehlers,1972

T. inermis Ehlers,1972
Sylt

Trisaccopharynx Karling,1940

T. spiculatus Ehlers,1972
Sylt

T. roscoffensis Ehlers,1980
Roscoff

T. westbladi Karling,1940
??

Trigonostomidae von Graff,1905

Astrotorhynchus von Graff,1905

A. bifidus (McIntosh,1874)

= *Mesostomum bifida* McIntosh,1874

= *Gyrator schmidtii* Jensen,1878

Gullmarfjord, Kosterr area, Fredrikshavn, Bergen,
Denmark, England, Millport, Ireland, Faeroes, W
Greenland, White Sea, N America

Beklemischeviella Luther,1943

B. angustior Luther,1943

Baltic

B. contorta (Beklemischev,1927)

Baltic, Arcachon

Feanora De Clerck & Schockaert,1995 (™ *F.*

brevicirrus De Clerck & Schockaert,1995 - Kenya)

Lonchoplanella Ehlers,1974

L. axi Ehlers,1974

Sylt, Kieler Bucht, Belgium

Mariplanella Ax & Heller,1970

M. frisia Ax & Heller,1970

Sylt, Kieler Bucht, Helgoland, Jordsand (W. Jylland)

Messoplana Den Hartog,1966

M. aremorica Ehlers & Sopott-Ehlers,1989

French Atlantic

M. elegans (Luther,1948)

Sylt, Arcachon, Tromsö

M. falcata falcata (Ax,1953)

Sylt, Tromsö

M. floralis Ehlers,1974

Sylt

M. helgolandica Ax,1971

Helgoland

M. roscoffensis Ehlers,1980

Roscoff

M. rugata Ehlers,1974

Sylt

Paramesostoma Attems,1896

P. helgolandicum Ax,1959

Helgoland, Bergen, Port Erin, Plymouth

Petaliella Ehlers,1974

P. spiracauda Ehlers,1974

Kieler Bucht, Sylt, Helgoland, Belgium, Arcachon

Proxenetes Jensen,1878

P. (Proxenetes) flabellifer Jensen,1878 (™ -

Bergen)

Baltic, Kieler Bucht, Isefjord, Kattegatt, Gullmarn,
Bergen, Tromsø, Sylt, Helgoland, England, Ireland,
Barents Sea, White Sea, W Greenland, Concarneau,
Black Sea

P. (Proxenetes) deltoides den Hartog,1965

Baltic, Kieler Bucht, Öresund, Königshafen, W.
Jylland, Arcachon, Sylt, Tromsö

P. (Proxenetes) simplex Luther,1948

= *P. angustus* Ax,1951

Baltic, Kieler Bucht, Öresund, Sylt, Arcachon

P. (Proxenetes) unidentatus den Hartog,1965

Baltic, Sylt, Cuxhaven

P. (Proxenetes) multidentatus Ax,1971

Kieler Bucht, Koster area (Jondelius, oral
communication)

P. (Paraxenetes) ampullatus Ax,1971

Kieler Bucht, Sylt, Roscoff, Arcachon

P. (Paraxenetes) intermedius den Hartog,1961

Saltö, ?North Sea

P. (Paraxenetes) quadrispinosus den Hartog,1966

Kieler Bucht, Sylt, Arcachon, Netherlands

P. (Perixenetes) bilioi den Hartog,1966

Sylt, Römö (W. Jylland), Arcachon, Cuxhaven

P. (Perixenetes) quinquespinosus Ax,1971

Sylt, Kieler Bucht

P. (Perixenetes) trigonus Ax,1960

Sylt, Kieler Bucht, Jordsand (W. Jylland)

P. (Perixenetes) karlingi Luther,1943
Baltic, Kieler Bucht, Sylt, Cuxhaven, Arcachon

P. (Apoxenetes) flexus Ax,1971
Arcachon

P. (Apoxenetes) britannicus den Hartog,1966
Sylt

P. (Apoxenetes) puccinellicola Ax,1960
Sylt

P. (Apoxenetes) cimbricus Ax,1971
Sylt

P. (Archixenetes) cisorius den Hartog,1966
Sylt

P. (Archixenetes) pratensis Ax,1960
Kieler Bucht, Sylt, Tromsø

P. falcatus Ax,1953
Kieler Bucht, Hällö, Amrum

P. fasciger Ehlers,1974
Sylt, Belgium

P. angustus Ax,1951
Kieler Bucht, Sylt

P. gracilis von Graff,1913
Faeroes, Ireland, W Greenland, Concarneau,
Madeira, Mediterranean

P. lutheri den Hartog,1966
= *P. cochlear* : Luther,1948, non von Graff,1882
* sensu Ax,1971 a dubious species, possibly. = *P.*
karlingi Luther,1943
Bergen

P. tenuispinosus Ehlers,1974
Sylt, Römö (W. Jylland)

P. cochlear von Graff,1882
Bergen, Ireland, White Sea, W Greenland, Engl.
Channel, Canaries

P. segmentatus den Hartog,1966
Sylt

Ptychopera den Hartog,1964

P. avicularis Karling,1974

Baltic

P. ehlersi Ax,1971
Sylt

P. hartogi Ax,1971
Halland, Jordsand (W. Jylland), Netherlands,
Öresund

P. purasjokii Ax,1971
Arcachon (in *Zostera nana* -mud)

P. spinifera den Hartog,1966
Baltic, Sylt

P. westbladi (Luther,1943)
= *Proxenetes westbladi* Luther,1943
Baltic, Kieler Bucht, Öresund, Bohusl., Bergen,
Sylt, Arcachon, Roscoff, Wilhelmshafen, Tromsø

P. zostericola Ax,1971
Arcachon

P. tuberculata (von Graff,1882)
= *Proxenetes tuberculatus* von Graff,1882
Öresund, Netherlands, Ireland

Trigonostomum Schmidt,1852

T. armatum (Jensen,1878)
= *Kylosphaera armata* Jensen,1878
Bergen, European Atlantic coast from Faeroes to the
Engl. Channel

T. breitfussi (von Graff,1905)
= *Hyporculus breitfussi* von Graff,1905
Bohuslän, Bergen, Cullercoats, Tromsø, Barents
Sea, W Greenland

T. penicillatum (O. Schmidt,1852)
Bohuslän, Bergen, Arcachon, England, Ireland

T. setigerum (O Schmidt,1852)
Gullmarn, Plymouth, Ireland

T. venosum (Uljanin,1870)
= *Hyporculus venosus* : Auctt.
Helgoland, Ireland, Faroes

T. intermedium (Attems,1896)
Helgoland, Ireland

T. brunchorsti von Graff,1905

Bergen, W Greenland

Typhloplanidae von Graff,1908

Typhloplaninae von Graff,1908

Castrada Schmidt,1862

C. hofmanni M. Braun,1885

* Fresh water species.

Finland, in weak brackish water

C. intermedia (Volz,1898)

= *Diplopenis intermedia* Volz, 1898

= *Typhloplana sulphurea* P. Schmidt, 1848

* Fresh water species.

Finland, in weak brackish water

C. lanceola M. Braun,1885

* Fresh water species.

Finland, in weak brackish water

C. perspicua (Fuhrmann,1894)

= *Mesostoma perspicua* Fuhrmann, 1894

* Fresh water species.

Finland, in weak brackish water

C. stagnorum stagnorum Luther,1904

* Fresh water species.

Finland, in weak brackish water

C. subsalsa Luther,1946

Tvärminne, in moist seashore sand

Haloplanella Luther,1946

H. curvistyla Luther,1946

Tvärminne, brackish water

H. hamulata Ehlers,1974

Sylt

H. longatuba Ax & Heller,1970

Sylt, Amrum

H. minuta Luther,1946

Tvärminne, brackish water

H. obtusituba Luther,1946 (™ - Tvärminne)

Tvärminne, brackish water

Notomonoophorum Luther,1948

N. coecum Luther,1948

Gullmarn

N. oculatum Westblad,1954

Bergen

Strongylostoma Örsted,1843

S. elongatum Hofsten,1907 *spinosum* Luther,1950

Tvärminne, brackish water

Thalassoplanella Luther,1946

T. collaris Luther,1946 (™ - Tvärminne)

Tvärminne, brackish water

Protoplanellinae Reisinger,1924

Hoplopera Reisinger,1924

H. littoralis Karling,1957

Baltic

H. pusilla Ehlers,1974

Sylt, Kieler Bucht

Pratoplana Ax,1960

P. galeata Ehlers,1974

Sylt, Arcachon

P. salsa Ax,1960

Kieler Bucht, German North Sea coast

Stygoplanellina Ax,1954

S. halophila Ax,1954

Baltic

Phaenocorinae Wahl, 1910

Phaenocora Ehrenberg,1835

P. subsalina (Luther,1921)

Baltic

Mesostominae Hyman,1955

Marcomesostoma Janssen & Faubel,1992 (™)

Mesostoma evelinae Marcus,1955 - ?)

Mesostoma Ehrenberg,1837

M. lingua (Abildgaard,1789)

* in fresh & brackish water.

Baltic, White Sea, W Greenland

KALYPTORHYNCHIA von Graff,1905.

EUKALYPTORHYNCHIA Meixner, 1928

Family?

Elvertia Noldt,1989

E. krusei Noldt,1989 (™)

Sylt

Acrumenidae Karling,1980

Acrumena Brunet,1965

A. massiliensis Brunet,1965

Bergen

Aculeorhynchidae Schilke,1969

Aculeorhynchus Schilke,1969

A. glandulis Schilke,1969

Sylt

Bertiliellidae Rieger & Sterrer,1975

Cicerinidae Meixner,1928

Cicerina Giard,1904

C. brevicirrus Meixner,1928

Baltic, Gullmarn, Esbjerg, Sylt, Helgoland, Wales

C. remanei Meixner,1928

Kieler Bucht, Helgoland, Sylt, Esbjerg, Wales,
Belgium

C. tetradactyla Giard,1904

Baltic, Öresund, Halmstad, Sylt, Esbjerg, Arcachon,
Wales

Ethmorhynchus Meixner,1938

E. anophthalmus Meixner,1938

Kieler Bucht, Gullmarn, Koster area, Bergen,
Millport

Nannorhynchides Karling,1956

N. herdlaensis (Karling,1956)

Gullmarn, Bergen, Engl. Channel, Kieler Bucht

Paracicerina Meixner,1928

P. laboeica Meixner,1928

Kieler Bucht, Sylt, Wales

P. maristoi Karling,1952

Baltic, Halmstad, Wales

P. deltoides Martens & Schockaert,1981

Netherlands, Belgium

Ptyalorhynchus Meixner,1928

P. coecus Meixner, in Ax,1951

Kieler Bucht, Sylt, Belgium

Xenocicerina Karling,1956

X. gracilis Karling,1956

Gullmarn, Kieler Bucht, Esbjerg

Zonorhynchus Karling,1952

Z. salinus Karling,1952

Gullmarn, German North Sea coast

Z. seminascatus Karling,1956

Gullmarn, Halmstad, Kieler Bucht, Engl. Channel,
Tromsö, Sylt

Z. tvaerminnensis (Karling,1931)

Baltic

Crassicollidae Dean,1977

Cystiplanidae Karling,1964

Cystiplex Karling,1964

C. axi Karling,1964

Arcachon

Cystiplana Karling,1964

C. karlingi Hoxhold n.n. in Schilke,1970

Sylt

C. paradoxa Karling,1964

= *Listia paradoxa* Karling, n.nud. Ax,1959

Sylt, Kieler Bucht, Tromsø

Nigerrhynchus Schilke,1970

N. opisthoporus Schilke,1970
Sylt

Cytocystidae Karling,1964

Cytocystis Karling,1953

C. clitellatus Karling,1953
Gullmarn, Bergen

Gnathorhynchidae Meixner,1929

Ancistrorhynchus L'Hardy,1963

A. ischnurus L'Hardy,1963
Roscoff

Drepanorhynchides L'Hardy,1963

D. diodontus L'Hardy,1966
Engl. Channel

Gnathorhynchus Meixner,1929

G. conocaudatus Meixner,1929
Baltic, Sylt, Wales, Belgium

G. inermis Schilke,1970
Sylt

G. krogeni Karling,1947
Baltic

Neognathorhynchus Karling,1956

N. lobatus (Ax,1952)
Baltic, Wales

N. longostilo Schilke,1970
Sylt

N. suecicus Karling,1956
Sylt

Odontorhynchus Karling,1947

O. aculeatus Karling,1956
Gullmarn

O. lonchiferus Karling,1947
Baltic, Koster, Tromsø, Sylt

Orbicularhynchus Noldt,1989

O. luebbeni Noldt,1989 (™)
Sylt

Paragnathorhynchus Meixner,1938

P. subterraneus Meixner,1938
= *P. stilofer* Schilke,1970
= *Carcharodognathus stilofer* (Schilke,1970)
Kieler Bucht, Sylt

Prognathorhynchus Meixner,1929

P. campylostylus Karling,1947
Baltic

P. canaliculatus Karling,1947
Baltic, Halmstad

P. dubius Meixner,1929
Gullmarn, Kieler Bucht, Wales

P. typhlus L'Hardy,1964
Roscoff

Psittacorhynchus den Hartog,1968

P. verweyi den Hartog,1968
Sylt

Uncinorhynchus Karling,1956

U. flavidus (Karling,1947)
Baltic, Gullmarn, Engl. Channel, Wales, Sylt

U. westbladi (Karling,1952)
Gullmarn

Koinocystididae Meixner,1924

Axiutelga Karling,1980 (™ *Utelga aculeata*
Ax,1959)

A. aculeata (Ax,1959)
Wales

Harenorhynchus Hoxhold,1974

H. proterandrius Hoxhold,1974 (nomen nudum)

- Sylt
- Itaipusa* Marcus, 1949
- I. scotica* (Karling, 1954)
= *Utelga s.* & *U. bocki* Karling, 1954
Baltic, Millport, Tromsø
- Itaipusina* Karling, 1980
- I. graefi* Karling, 1980 (™)
Elbe Estuary
- Leguta* Karling, 1980 (™ *Utelga chelifera*
Karling, 1954)
- L. chelifera* (Karling, 1954)
Gullmarn
- Marirhynchus* Schilke, 1970
- M. longasaeta* Schilke, 1970
Sylt
- Parautelga* Karling, 1964
- P. bilioi* Karling, 1964
Kieler Bucht, North Sea
- P. kielensis* Ax, 1960
German Baltic & North Sea coasts
- Sekerana* Sekera, 1912
= *Anoplorhynchus* Meixner, 1925
- S. stolzi* (Sekera, 1912)
= *Anoplorhynchus piger* Meixner, 1925
?
- Utelga* Marcus, 1949
- U. heinckeii* (Attems, 1897)
= *Acrorhynchus heinckeii* Attems, 1897
Skagerrak, Helgoland, Ireland
- U. pseudoheinckeii* Karling, 1980
Bergen
- Placorhynchidae Meixner, 1938
- Clyporhynchus* Karling, 1947
- C. monolentis* Karling, 1947
- Baltic, Kiel Channel
- Placorhynchus* Karling, 1931
- P. echinulatus* Karling, 1947
Baltic, Gullmarn, Bergen, Wales
- P. octaleatus octaleatus* Karling, 1931
Kieler Bucht, Öresund, Sylt
- P. octaculeatus* Karling, 1931 *dimorphus*
Karling, 1947
Baltic, Öresund, Stockholm-Gullmarn, German
North Sea coast, Iceland
- Polycystidae von Graff, 1905
- Acrorhynchides* Strand, 1928
- A. robustus* (Karling, 1931)
= *Pseudopolycystis inermis* Meixner, 1928
Baltic, Öresund, Stockholm-Gullmarn, Millport,
Iceland, Tromsø
- A. styliiferus* Schockaert & Karling, 1975
Bergen, Cullercoats
- Acrorhynchus* von Graff, 1882
- A. caledonicus* (Claparède, 1862)
= *Gyrator caledonicus* Claparède, 1862
Isefjord, Fredrikshavn, Bergen, Engl. Channel,
Helgoland, Ireland, Barents Sea
- Danorhynchus* Karling, 1955
- D. duplostylis* Karling, 1955
Sylt
- Gyratricella* Karling, 1955
- G. attemsi* (von Graff, 1913)
Gullmar Area, Helgoland, Wales
- Gyratrix* Ehrenberg, 1831
- G. hermaphroditus* Ehrenberg, 1831
Baltic, Hållö, Bonden, Bergen, Helgoland, Ireland
- Lagenorhynchus* Brunet, 1965, non Gray 1846
(Mammalia)
* In need of another name.

L. peresi Brunet, 1965
off Gullmarn, Marseille, Adriatic

Limipolycystis Schilke, 1970

L. curvitubo Schilke, 1970
Sylt

Mesorhynchus Karling, 1956

M. terminostylis Karling, 1956
Gullmarn, Dröbak, Bergen, Trondheim, Newcastle,
Port Erin, Kieler Bucht, Greenland

Neopolycystis Meixner, 1938

N. tridentata Karling, 1955
Sylt

Opisthocystis Sekera, 1911

O. goettei (Bresslau, 1906)
= *Polycystis goettei* Bresslau, 1906
Spanish limnic

Paracrorhynchus Karling, 1956

P. axi Karling, 1956
Kieler Bucht

P. bergensis Karling, 1956
Bergen

Phonorhynchella Karling, 1956

P. biarcuata Karling, 1956
Gullmarn

Phonorhynchus von Graff, 1905

P. bitubatus Meixner, 1938
Baltic, Kieler Bucht, Sylt, Skagerrak?

P. helgolandicus (Mecznikow, 1865)
= *Gyrator helgolandicus* Mecznikow, 1865
= *Macrorhynchus helgolandicus* : Auctt.
= *Gyrator danielsseni* Jensen, 1878
= *Prostomum boreale* Mereschkowsky, 1879
Isefjord, Kattegatt, Skagerrak, Bergen, Helgoland,
Ireland, White Sea, W Greenland, Engl. Channel,
Adriatic

P. mamertinus von Graff, 1874

Engl. Channel

Macrorhynchus von Graff, 1882

M. crocea (O. Fabricius, 1826)
= *Polycystis crocea* (O. Fabricius, 1826)
= *Planaria crocea* O. Fabricius, 1826
= *Macrorhynchus croceus* : Auctt.
= *Gyrator fabricii* Jensen, 1878
= *Gyrator steenstrupi* (O. Schmidt, 1852)
SW Baltic, Öresund, Fredrikshavn, Bergen,
Helgoland, Faeroes, W Greenland, White Sea,
Barents Sea, Engl. Channel, Ireland

Polycystis Kölliker, 1845

P. assimilis Levinsen, 1879
= *Gyrator assimilis* Levinsen, 1879
W Greenland

P. contorta Schockaert & Karling, 1975
Bergen

P. groenlandica (Levinsen, 1879)
Bergen, W Greenland, White Sea

P. naegeli Kölliker, 1845
Baltic, Fredrikshavn, North Sea, Engl. Channel,
Ireland, Mediterranean

Progyrator Sekera, 1901

P. mamertinus (von Graff, 1874)
Engl. Channel

Psammopolycystis Meixner, 1938

P. bidens Meixner, 1938
Kieler Bucht

P. bondensis Karling, 1956
Gullmar Area, Bergen

P. bredungensis Karling, 1956
Gullmarn

P. falcata Karling, 1956
Gullmar Area

Rogneda Uljanin, 1870

R. anglica Karling, 1953
Engl. Channel, Millport, Wales

R. hibernica (Southern,1936)
= *Polycystis hibernica* Southern,1936
Engl. Channel, Millport, Port Erin, Ireland

Scanorhynchus Karling,1955

S. forcipatus Karling,1955
Skagerrak, North Sea, Ireland

Syltorhynchus Noldt,1989

S. schockaerti Noldt,1989 (TM)
Sylt

Typhlopolycystis Karling,1956

T. coeca Karling,1956
Gullmarn, Kieler Bucht, Sylt, Bergen

T. coomansi Schockaert & Karling,1975
Bergen

T. mediterranea Brunet,1965
= *T. limicola* Schilke,1970
Gullmar Area, Bergen, Sylt

T. rubra Noldt & Reise,1987
@ burrows of *Arenicola marina*
Sylt

Psammorhynchidae Karling,1964

Psammorhynchus Meixner,1938

P. tubulipenis Meixner,1938
Gullmarn, Kieler Bucht, Sylt, Esbjerg, Wales,
Belgium

SCHIZORHYNCHIA

Diascorhynchidae Meixner,1928

Diascorhynchides Schilke,1970

D. arenaria Schilke,1970
Sylt

Diascorhynchus Meixner,1928

D. borealis (Beauchamp,1927)
Arcachon, Tromsø

D. glandulosus (Beauchamp,1927)
Arcachon

D. lappvikensis Karling,1963
Baltic, Tylösand, Sylt

D. rubrus Boaden,1963
Wales, Sylt

D. serpens Karling,1949
Baltic, Wales, Sylt, Belgium

Karkinorhynchidae Meixner,1928

Baltoplana Karling,1949

B. magna Karling,1949
Baltic, German North Sea coast, Wales

Cheliplana Beauchamp,1927

C. boadeni Schilke,1970, emend. Noldt,1989
Sylt

C. evdonini Karling,1983
Bergen

C. marcusii (Karling,1956)
= *Rhinepera m.* Karling & *R. divisa* Schilke,1970
Tylösand, Amrum, Belgium

C. remanei (Meixner,1928)
= *Rhinepera remanei* Meixner
Kieler Bucht, Wales, Sylt, Belgium

C. styliifera Karling,1949
Baltic, German North Sea coast, Belgium

C. vaginalis Karling,1983
Kieler Bucht

C. curvocirro Schilke,1970
Amrum

C. gemmifera Noldt,1989
Sylt

C. microcirrus Noldt,1989
Sylt

C. paradoxa Noldt,1989
Sylt

C. schilkei Noldt,1989
Sylt

Cheliplanilla Meixner,1938

C. caudata Meixner,1938
Baltic, Öresund, Esbjerg, Wales, Sylt, Belgium

C. karlingi Boaden,1963
Wales, Tromsö

C. rubra Schilke,1970
Sylt

Karkinorhynchides Schilke,1970

K. purpureus Schilke,1970
Sylt

Karkinorhynchus Meixner,1928

K. bruneti Schilke,1970
Sylt, Belgium

K. lehardyi Schilke,1970
Sylt

K. listensis Schilke,1970
Sylt

K. primitivus Meixner,1928
Kieler Bucht

Lehardyia Karling,1983 (™ *Karkinorhynchus megalopharynx* l'Hardy,1966)

L. megalopharynx (l'Hardy,1966), emend.
Noldt,1989
Sylt

L. tetragantha (Ax & Schilke,1971) Karling,1983
= *Karkinorhynchus tetragantha* Ax & Schilke,1971
?

Nematorhynchidae Schilke,1969

Nematorhynchus Schilke,1969

N. parvoacumine Schilke,1970
Sylt

Schizorhynchidae von Graff,1905

Amphirhynchus Schilke,1970

A. caudatus Schilke,1970
Sylt, Belgium

Carcharodorhynchus Meixner,1938

C. ambronensis Schilke,1970
Sylt

C. isolatus Schilke,1970
Sylt, Belgium

C. listensis Schilke,1970
Sylt, Belgium

C. polyorchis L'Hardy,1963
Roscoff

C. subterraneus Meixner,1938
Baltic, Kieler Bucht, Tylösand, Sylt, Amrum, Wales

Parathylacorhynchus Dean,1980 (™ *P. reidi*
Dean,1980 - Maine)

Serratorhynchus Noldt,1988

S. stellatus Noldt,1988
Sylt

Neoschizorhynchus Schilke,1970

N. brevipharyngus Schilke,1970
Sylt, Belgium

N. longipharyngus Schilke,1970
Sylt, Belgium

N. parvorostro Ax & Heller,1970
Sylt, SW Baltic, Belgium

Paraschizorhynchoides Schilke,1970

P. glandulis Schilke,1970, emend. Noldt,1989
Sylt, Belgium

Typhlorhynchus Laidlaw,1902

T. syltensis Noldt,1985
Sylt

Proschizorhynchus Meixner,1928

P. arenarius (Beauchamp,1927)
Wales, French Atlantic coast

P. bivaginated Schilke,1970
Sylt, Belgium

P. gullmarensis Karling,1950
Baltic, Gullmarn, Wales, Tromsö, Sylt

P. helgolandicus L'Hardy,1965
Baltic, Sylt, Belgium

P. oculatus Meixner,1928
Kieler Bucht, Wales

P. spiracirro Schilke,1970
Sylt

P. triductibus Schilke,1970
Sylt, Belgium

Proschizorhynchella Schilke,1970

P. robusta Noldt,1989
Sylt

Pseudoschizorhynchoides Schilke,1970

P. ruber Schilke,1970
Sylt

P. karlingi (Martens & Schockaert,1981)
Noldt,1989
= *Schizorhynchoides karlingi* Martens &
Schockaert,1981
Sylt, Netherlands, Belgium

Proschizorhynchoides Noldt,1989 (™
Schizorhynchoides macrostylus l'Hardy,1963)

P. macrostylus (l'Hardy,1963) Noldt,1989
= *Schizorhynchoides macrostylus* L'Hardy,1963
Sylt, Roscoff

Schizochilus Boaden,1963

S. caecus L'Hardy,1963
Sylt

S. choriurus Boaden,1963
Roscoff, Wales, Sylt, Belgium

S. marculsi Boaden, 1963

= *S. martae* (Marcus, 1950)
Wales, Sylt, Belgium

Schizorhynchoides Meixner,1928

S. aculeatus L'Hardy,1963
Sylt, Roscoff

S. brevistili Noldt,1989
Sylt

S. canaliculatus L'Hardy,1963
Sylt, Roscoff

S. coronostylus Boaden,1963
Wales

S. diplorchis Meixner,1928
Kieler Bucht

S. meixneri Boaden,1963
Wales, Sylt

S. rarus Ax,1951
Kieler Bucht, Sylt

S. spirostylus Boaden,1963
Wales

S. symmetricus Martens & Schockaert,1981
Netherlands, Belgium

Thylacorhynchus de Beauchamp,1927

T. ambronensis Schilke,1970
Sylt, Belgium

T. arcassonensis de Beauchamp,1927
Baltic, Amrum, Arcachon

T. caudatus Meixner,1928
Baltic, North Sea, Ireland, Wales

T. conglobatus Meixner,1928
Baltic, Esbjerg, Helgoland, Sylt, Wales, Belgium

T. filostylis Karling,1956
Baltic, Sylt

T. longicirrus Noldt,1989
Sylt

T. pyriferus Karling,1950

Baltic, Tromsø, Sylt, Belgium

T. vicarus Boaden,1963
Wales

Limirhynchus Schilke,1970

L. danicus Schilke,1970
Amrum, Belgium

DOLIOPHARYNGIOPHORA Ehlers

“DALYELLIIDEA” Meixner

DALYELLIIDA ?,1???

Dalyelliidae von Graff,1908

Axiola Luther,1957

A. luetjohanni (Ax,1952)
Baltic (Kiel Channel)

A. remanei (Luther,1955)
Baltic (Kiel Channel)

Beauchampiola Luther,1955

B. arctica Ehlers & Franke,1994
Tromsø, Iceland

B. oculifer (de Beauchamp, 1927)
NE Atlantic, Mediterranean, Black Sea

Castrella Fuhrmann,1900

C. truncata (Abildgaard, in Müller,1789)
= *Planaria truncata* Abildgaard, in Müller,1789
* in fresh & brackish water
Kola peninsula, W Greenland, Spain

Dalyellia Flemming,1822

D. rossi von Graff,1913
* in fresh & brackish water
W Greenland

D. armigera von Graff,1913
* fresh water species
Finland, in weak brackish water

Gieysztoria Ruebush & Hayes,1939

G. expedita (Hofsten,1907) *expeditoides*
Luther,1955
Baltic

G. ornata (Hofsten,1907) *maritima* Luther,1955
Baltic

Halammovortex Karling,1943

H. macropharynx (Meixner,1938)
Baltic (Tvärminne, Kieler Bucht), Sylt, Tromsø

H. nigrifrons (Karling,1935)
Baltic

Jensenia von Graff,1882

J. angulata (Jensen,1878)
= *Vortex angulatus* Jensen,1878
Baltic (Kieler Bucht), Bergen, Tromsø, Barents Sea,
W Greenland

Microdalyellia Gieysztor,1938

M. fusca (Fuhrmann,1894)
Baltic (Nynäshamn, Tvärminne)

Sergia Nasonov, 1924, non Stimpson, 1860

S. sergia (Beklemishev, 1918) Nasonov, 1924
* In need of another genus.
Baltic, NE Atlantic

Fecampiidae von Graff,1903

Fecampia Giard,1883

F. erythrocephala Giard,1886
@ crabs
Engl. Channel (The two *Fecampia* species are
possibly synspecific), Ireland

F. xanthocephala Caullery & Mesnil,1903
@ e.g. *Idothea neglecta* & *Gammarus* spp.
Engl. Channel, Ireland

Kronborgia Christensen & Kannevorff,1964
* at Greenland, an undescribed species from
Pasiphaea exists, according to
Christensen,1988

K. amphipodicola Christensen & Kannevorff,1964
(TM - Öresund)

@ *Ampelisca macrocephala*, *A. tenuicornis* &
Haploops tubicola
Öresund

K. caridicola Kannevorff & Christensen, 1966
@ *Lebbeus* & *Eualus*
Greenland, Iceland

Glanduloderma Jägersten, 1940 (™ *G.*
myzostomatis Jägersten, 1940 - on Japanese
myzostomids)

Graffillidae von Graff, 1908

Bresslauilla Reisinger, 1929

B. relictata Reisinger, 1929
Baltic, Öresund, Sylt, Tromsø

Graffilla Ihering, 1880

G. buccinicola Jameson, 1897
in the liver of *Neptunea* & *Buccinum*
Öresund, Bohusl., North Sea, Port Erin, Barents Sea,
White Sea

G. curiosa Westblad, 1954
Bergen

G. mytili (Levinsen, 1879)
= *Anoplodium mytili* Levinsen, 1879
@ gills of *Mytilus edulis*
W Greenland

Paravortex Wahl, 1906

P. cardii Hallez, 1908-09
= *Proderostoma cardii* Hallez, 1908
= *Graffilla gemellipara* Auctt., non (Linton, 1910)
@ stomach and intestine of *Cerastoderma edule*
S Baltic, British Isles, France

P. karlingi Pike & Burt, 1981
@ *Cerastoderma edule*
Scotland (Ythan estuary), France

P. scrobiculariae (von Graff, 1882)
= *Macrostomum scrobiculariae* Villot, 1878
= *Provortex tellinae* von Graff, 1882
@ *Abra tenuis*, *Scrobicularia plana* & *Tapes*
decussatus
British Isles, France, Mediterranean

P. tapetis ?, 19??
@ *Tapes decussatus*
France

Pseudograffilla Meixner, 1938

P. arenicola Meixner, 1938
Baltic, Öresund, German North Sea coast, Tromsø

Hypoblepharidae Böhmig, 1914

Luridae Sterrer & Rieger, 1990

Luriculus Faubel, Rohde & Watson, 1994 (™ *L.*
australiensis Faubel, Rohde & Watson, 1994 - E
Australia)

Lurus Marcus, 1950
* with statocyst

Provorticidae Beklemishev, 1927

Kirgisellinae

Baicalellia Nasonov, 1930

B. brevitubus (Luther, 1918)
= *Provortex brevitubus* Luther, 1918
Baltic, W Greenland

B. subsalina Ax, 1954
Baltic, Elbe mouth

Balgetia Luther, 1962

B. hyalina Karling, in Luther, 1962
Baltic

B. semicirculifera Karling, in Luther, 1962
Finnish & Swedish Baltic, Öresund, Sylt

Canetellia Ax, 1956

C. beauchampi Ax, 1956
Baltic

Coronopharynx Luther, 1962

C. pusillus Luther, 1962
Baltic, Netherlands

Drepanilla U. Ehlers, 1979

D. limophila U. Ehlers, 1979 (™)
Sylt

Hangethelia Karling, 1940

H. calceifera Karling, 1940
Baltic, Hållö, Bergen, Sylt

Pogaina Marcus, 1954

P. arcassonensis Ehlers & Sopott-Ehlers, 1989
French Atlantic

P. kinnei Ax, 1970
Sylt

P. natans (Ax, 1951)
= *Vejdovskya natans* Ax, 1951
Kieler Bucht, Belgium

P. suecica (Luther, 1948)
= *Vejdovskya suecica* Luther, 1948
Kieler Bucht, Hållö, Bergen, Tromsø, Sylt, Amrum,
Plymouth

P. murmanica (von Graff, 1905)
= *Promesostoma murmanica* von Graff, 1905
= *Vejdovskya murmanica* : Luther, 19??
Bergen, Murmansk

Provorticinae Beklemischev, 1927

Haplovejdovskya Ax, 1954

H. subterranea Ax, 1954
Baltic

Oekiocolax Reisinger, 1930

O. plagiostomorum Reisinger, 1930 (™)
@ *Plagiostomum parasitorium*
Godthaabfjord (W Greenland)

Provortex von Graff, 1882

P. affinis (Jensen, 1878)
= *Vortex affinis* Jensen, 1878
Kieler Bucht, Bergen, Faeroes, Ireland, Engl.
Channel, White Sea

P. balticus (M. Schultze, 1851)
= *Vortex cavifrons* Jensen, 1878
= *Planaria emarginata* O. Fabricius, non Schrenk)

Baltic, Kieler Bucht, Öresund, Bergen, Faeroes,
Ireland, Barents Sea, White Sea, W Greenland, Engl.
Channel

P. hispidus (Claparède, 18??)
* Sp. dubium, sensu Steinböck, 1932
Engl. Channel, ?White Sea

P. karlingi Ax, 1951
Baltic, Kieler Bucht, Öresund, Gullmarn, Tromsø,
Sylt

P. pallidus Luther, 1948
Baltic, Elbe estuary

P. psammophilus Meixner, 1938
Baltic, Kieler Bucht, Sylt

P. punctatus (Levinsen, 1879)
= *Vortex punctatus* Levinsen, 1879
* Sp. dubium, sensu Steinböck, 1932. May be
a synonym of *Promesostoma lenticulatum* (O.
Schmidt)
Ireland, W Greenland

P. rubrobacillus Gamble, 1893
Ireland

P. tubiferus Meixner, 19??
Baltic, Kieler Bucht, Öresund, Sylt, North Sea

Vejdovskya von Graff, 1905

V. halileimonia Ax, 1960
Kieler Bucht, German North Sea coast

V. ignava Ax, 1951
Baltic, Kieler Bucht, Amrum

V. mesostyla Ax, 1954
* The subspecies *V. m. hemicycla* Ax, 1960 is found
in Kieler Bucht
Baltic

V. pellucida (M. Schultze, 1851)
= *Vortex pellucidus* M. Schultze, 1851 (™)
Baltic, Kieler Bucht, Öresund, Tromsø

V. simrисиensis Karling, 1957
Baltic, W. Jylland, Tromsø

V. murmanica (von Graff, 1905)
= *Promesostoma murmanicum* von Graff, 1905

Barents Sea, W Greenland

Pterastericolidae Meixner,1926

Pterastericola Beklemishev,1916
= *Triloborhynchus* Bashiruddin & Karling,1970

P. fedotovi Beklemishev,1916
@ *Pteraster militaris* O.F. Müller, *P. pulvillus* & *P. obscurus*
White Sea

P. pellucida Jondelius,1989
@ *Astropecten*
Koster Area

P. astropectinis (Bashiruddin & Karling,1970)
= *Triloborhynchus astropectinis* Bashiruddin & Karling,1970
@ *Astropecten irregularis*
Öresund, Koster Area.

P. psilastericola (Jespersen & Lützen,1971)
= *Triloborhynchus psilastericola* Jespersen & Lützen,1971
@ in pyloric caeca of *Psilaster andromeda*
* 2-3 mm long, with red pigment.
Oslofj.

P. bergensis Jondelius,1992
@ in esophagus of *Psilaster andromeda*
* <1 mm long unpigmented
Bergen

Umagillidae Wahl,1910

Umagillinae Wahl,1910

Anoplodiera Westblad,1930

A. voluta Westblad,1930
@ anterior part of digestive tract of *Parastichopus*.
Bergen, Bohuslän?

Anoplodium Schneider,1858

A. stichopi Bock,1925
@ coelomic cavity of *Parastichopus*.
Bohuslän, Bergen

A. chirodotae Sabussow,1879
@ body cavity of *Chirodota pellucida*
White Sea

A. myriotrochi von Graff,1882
@ digestive tract of *Myriotrochus rinki*
Spitsbergen

?***A.*** sp.
@ *Leptosynapta* spp.
Engl. Channel

Anoplodiopsis Westblad, 1953 (™ *A. gracilis*)
Westblad, 1953 - Mediterranean)

Marcusella Westblad,1953 (™ *Marcusella atriovillosa* Westblad, 1953 - Plymouth)
* Genus not considered by Cannon,1986

M. atriovillosa Westblad,1953
= *Syndisyrix atriovillosa*
@ *Spatangus purpureus*
Plymouth

Seritia Cannon,1982, emend. Kozloff & Shinn,1987

S. elegans (Westblad,1953, ex Bock MS)
= *Ozametra elegans* Westblad,1953 (™)
@ digestive tract of *Parastichopus*
Bergen, Bohuslän?

Paranotothrix Cannon,1982 (™ *P. queenslandensis* Cannon,1982 @ *Stichopus horrens* - Great barrier Reef)

Syndesmis Silliman,1881
= *Syndisyrix* Lehman,1946 (synonymy by Jondelius 1996)

S. echinorum Francois,1886
@ digestive tract and coelomic cavity of e.g. *Echinus acutus*, *Echinus esculentus*, *Psammechinus miliaris* & *Strongylocentrotus droebachiensis*
Bohusl., Bergen, North Sea, Barents Sea, W Greenland, Mediterranean

S. albida Kozloff & Westervelt, 1990
NE Atlantic

S. rubida Kozloff & Westervelt, 1990
NE Atlantic

Wahlia Westblad,1930, emend. Kozloff & Shinn,1987
= *Ozametra* Marcus,1949

W. macrostylifera Westblad,1930
@ *Parastichopus*
Bergen

Monticellina Westblad, 1953 (™ *Monticellina longituba* Westblad, 1953 - Mediterranean)

Collastominae Wahl,1910

Collastoma Dörler,1900

C. monorchis Dörler,1900
@ *Golfingia vulgare*
??

C. eremita Beklemischew,1916
@ gut of *Nephasoma eremita*
Kola peninsula

C. wahl Ponce de Leon & Mane-Garzon,1980
@ *Golfingia margaritacea*
SW Atlantic

Bicladinae Stunkard & Corliss,1950

Bicladus Kaburaki,1925

Desmote Beklemischew,1916

D. vorax Beklemischew,1916
@ *Heliometra glacialis*
Kola peninsula

TEMNOCEPHALIDA Bresslau & Reisinger,1928

* Fresh-water living ectocommensals on crustaceans, snails & turtles.

TAXON OF DOUBTFUL SYSTEMATIC POSITION

UDONELLIDA ?,1???

* This group was earlier considered to belong among the Monogenea.

Where it should belong is still debated.
Relationships to Neodermata
and Rhabdozoa are two recent suggestions.

Udonellidae Taschenberg,1879

Udonella Johnston,1835

U. caligorum Johnston,1835
@ *Caligus* spp., e.g. *C. curtus* & *C. elongatus* & *Lepeoptheirus*

* Drawing in Möller & Anders,1986. Typical size 1.2 mm.

Bohus., North Sea, Ireland, Atlantic U.S.

U. murmanica Kornakova & Timofeeva,1981
@ Parasitic crustaceans, e.g. *Caligus curtus* on cod
Murmansk

NEODERMATA Ehlers,1985

TREMATODA Rudolphi,1808

ASPIDOBOTHRII Burmeister,18??
=ASPIDOGASTREA Faust & Tang,1936

ASPIDOGASTRINA

Aspidogastridae Poche,1907

Cotylogasteroides Yamaguti,1963 (™ *Cotylogaster occidentalis* Nickerson,1902)

Lophotaspis Looss,1901

L. vallei (Stossich,1899)
= *L. adhaerens* ??,19??
@ *Caretta caretta*
Mediterranean, Florida

Multicalycidae Gibson & Chinabut,1984

Multicalyx Faust & Tang,1936
= *Taeniocotyle* Stunkard,1962
= *Macraspis* Olsson,1870, non Macleay,1819 (Coleoptera) (™ *M. elegans* Olsson,1870 - W Norway)

M. elegans (Olsson,1870)
= *Macraspis elegans* Olsson,1870
@ gall bladder of *Chimaera monstrosa* (≈ 1/3 of popul. infected in Bergen area)
Skagerrak?, Bergen, Trondheim, Troms

STICHOCOTYLINA Gibson & Chinabut,1984

Rugogastridae Schell,1973

Rugogaster Schell,1973 (™ *R. hydrolagi* Schell,1973 @ *Hydrolagus colliei* - California)

Stichocotylidae Faust & Tang,1936, emend.
Yamaguti,1963

Stichocotyle Cunningham,1884

S. nephropis Cunningham,1884
@ gall bladder of *Raja clavata*, larvae in *Nephrops*
Bohuslän

DIGENEA van Beneden,1858

Nidarosia ?,1???
* Which family?

N. ophiuræ Mortensen,1933
@ gonads of *Ophiura sarsi*
Trondheimsfjord

Apocreadiidae Skrjabin, 1942
= Myzotinae Yamaguti, 1958
= Microcreadiinae Mehra, 1962
* Which suborder and superfamily?

Apocreadium Manter,1937

A. galaicus Sanmartin, Alvarez, Quinteiro &
Paniagua,1995
@ *Microchiron variegatus*
NW Spain

Dupliciporiidae Reimer,1985
* Which suborder and superfamily?

Dupliciporiinae Reimer,1985

Dupliciporia Reimer,1985 (™ *D. haeckeli*
Reimer,1985 @ *Pristigenys nipponicus* -
Mozambique)

STRIGEIDIDA La Rue,1926, emend.
Sudarikov,1959

STRIGEATA La Rue,1926, emend. Sudarikov,1959

Strigeoidea Railliet,1919

Brauninidae Bosma,1931

Braunina Heider,1900

B. cordiformis Wolf,1903
@ e.g. *Delphinus*, *Stenella* & *Tursiops*
Mediterranean, Atlantic

Diplostomatidae Poirier,1886

Diplostomum von Nordmann,1832

D. spathaceum (Rudolphi,1819)
@ metacercariae in eyes of fishes, especially fresh
water and estuarine species, e.g. *Zoarces viviparus*,
Gadus morhua etc.
Baltic

Schistosomatoidea Looss,1899

Sanguinicolidae von Graff,1907
= Aporocotylidae Odhner,1912
@ blood vessels of fishes (adults)

Aporocotyle Odhner,1900

A. simplex Odhner,1900
@ blood from *Hippoglossoides*, *Pleuronectes* &
Limanda ; cercaria in *Artacama*
proboscidea
Öresund-Bohuslän

A. spinosicanalis Williams,1958
@ blood from *Merluccius merluccius* (Linnaeus)
British Isles

Chimaerohemecus van der Land,1967

C. trondheimensis van der Land,1967
@ blood from *Chimaera*
Bergen, Trondheim

Paradeontacylix McIntosh,1934

Pearsonellum Overstreet & Kjøie,1989 (™
P. corventum Overstreet & Kjøie,1989 @
Plectropomus leopardus - Great Barrier Reef)

Schistosomatidae Looss,1899, emend. Poche,1907
@ blood vessels of birds & mammals (adults)

Gigantobilharzia Odhner,1910

G. vittensis Reimer,1963
@ *Larus canus*; cercariae in *Hydrobia ventrosa*
Baltic Sea

Spirorchiidae Stunkard,1921
@ blood vascular system & head of turtles

Amphiorchis Price,1934
@ marine turtles

Carettacola Manter & Larson,1950

@ marine turtles

Haemoxenicon Marlin & Bamberger,1952

@ marine turtles

Hapalotrema Looss,1899

@ marine turtles

H. constrictum (Leared,1862)

= *Distomum constrictum* Leared,1862 (™)

= *Hapalotrema loossi*

@ *Chelonia mydas* & *Caretta caretta*

Mediterranean

H. dorsopora Dailey, Fast & Balazs,1993

@ Heart of *Chelonia mydas*

Hawaii

Learedius Price,1934

@ marine turtles

Monticellius ??,19??, non *Monticellia* La Rue,1911

(Cestoda)

@ marine turtles

Neospirochis Price,1934

@ marine turtles

Squaroacetabulum ??,19??

@ marine turtles

Transversotrematoidea Witenberg,1944

Transversotrematidae Witenberg,1944

= Squamacolidae Pan & Wang,1985

Crusziella Cribb, Bray & Barker,1992 (™ *C.*

formosa Cribb, Bray & Barker,1992 @ *Crenimugil*

crenilabis - Great Barrier Reef)

Prototransversotrema Angel,1969

P. steeri (Angel,19??)

@ ectoparasitic on *Mugil cephalus*

Queensland

Transversotrema Witenberg,1944

BRACHYLAIMATA ?,1???

Fellodistomatoidea Nicoll,1909

@ adults in fishes or birds; cercariae in bivalves;

metacercariae (if this stage not is omitted)

in different invertebrate phyla.

Fellodistom(at)idae Nicoll,1909

= Steringophoridae Odhner,1911

= Xenoperidae Poche,1926

= Monascidae Dollfus,1947

@ fishes (adults)

Fellodistom(at)inae Nicoll,1909

= Steringophorinae Odhner,1911

= Lissolomatinae Skrjabin & Koval,1957

= Markevitschiellinae Skrjabin & Koval,1957

Fellodistomum Stafford,1904

F. fellis (Olsson,1868) Nicoll,1909

= *Distoma fellis* Olsson,1868 (™ - Varberg)

= *Steringophorus ovacutus* Lebour,1908

?= *Cercaria limae* Nicoll & Small,1909

?= *Metacercaria limae* (Nicoll & Small,1909)

James, Sannia & Bowers,1977

= *Adolescacia ophiurae* Tanson,1917

= *Fellodistomum thapari* Srivastava & Ghosh,1968

@ gallbladder of flatfishes & *Anarhichas lupus* ;

cercariae in *Ennucula tenuis* ;

metacercariae in *Ophiura* spp. & *Amphiura*

chiajei

W Sweden, Bergen, North Sea, Iceland, E

Greenland, British Isles, Italy

Steringophorus Odhner,1905

= *Leioderma* Stafford,1904, non Willemoes-

Suhm,1873

= *Callodistomoides* Yamaguti,1970

= *Abyssotrema* Campbell,1975

S. furciger (Olsson,1968) Odhner,1905

= *Distoma furcigerum* Olsson (™ - Varberg)

@ bottom living fish, e.g. *Limanda* & *Microstomus*

; occasionally they seem to develop in

Buccinum undatum ; cercariae in *Nuculana*

minuta ; no second intermediate host

Öresund, Kattegatt, Tjärnö, Faeroes, Iceland, British

Isles, E & W Greenland, Barents Sea, White Sea,

Kara Sea, Newfoundland

S. agnotus (Nicoll,1909) Dollfus,1952

= *Fellodistomum agnotum* Nicoll,1909

?= *Cercaria megalocerca*

@ *Anarhichas lupus*, *A. minor* & *Lophius*

piscatorius ; cercaria in ?*Portlandia arctica*

Trondheim, North Sea, Iceland, Barents Sea, White

Sea, E Greenland, Scotland, Newfoundland

S. thulini Bray & Gibson, 1980

@ intestine of *Onogadus argentatus*, *Rhinonemus cimbricus* & rectum of *Trachyrincus trachyrincus*
Skagerrak, W Scotland

S. blackeri Bray, 1973

@ intestine & body cavity of *Xenodermichthys socialis*
off NW Scotland, off W Ireland, Biscay, off Morocco

S. pritchardae (Campbell, 1975) Bray & Gibson, 1980

= *Abyssotrema pritchardae* Campbell, 1975
@ intestine of *Alepocephalus agassizi* & *A. bairdii*
Rockall, off NW Scotland, off W Ireland, NW Atlantic

Olssonium Bray & Gibson, 1980

O. turneri Bray & Gibson, 1980 (™ - Porcupine bank - 1000m)

@ upper intestine of *Alepocephalus bairdii*
off W Ireland

Steringotrema Odhner, 1911

= *Rhodotrema* Odhner, 1911

S. pagelli (van Beneden, 1871) Odhner, 1911

= *Distoma pagelli* van Beneden, 1871 (™ - Louvain, Belgium)
= *Distomum tergestinum* Stossich, 1888
= *Steringophorus cluthensis* Nicoll, 1909
@ intestine of *Pagellus bogaraveo*, *Spondylisoma cantharus*, *Limanda*, *Microstomus* & *Pleuronectes* ; cercariae in *Nucula nitidosa* & *N. nucleus* ; no second intermediate host.
Gullmarfjord, Tjörnö, British Isles, Netherlands, Belgium, Ireland, Mediterranean, Gulf of St. Lawrence

S. divergens (Rudolphi, 1809) Odhner, 1911

= *Distoma divergens* Rudolphi, 1809
@ *Blennius* spp., Gobidae, *Capros aper*, *Zoarces viviparus*, *Ciliata mustela*
Kiel, British Isles, Biscay, Mediterranean, W Morocco

S. ovacutum (Lebour, 1908) Yamaguti, 1953

= *Steringophorus ovacutus* Lebour, 1908 (™ of *Rhodotrema* Odhner, 1911)

= *Stenakron ovacutus* (Lebour, 1908) Strelkov, 1960
@ intestine of *Hippoglossoides platessoides*, *Lycodes vahli* & *Anarhichas lupus*
Gullmarfjord, Northumberland, Scotland, Newfoundland, Nova Scotia, Barents Sea, Mediterranean

Prudhoeus Bray & Gibson, 1980

P. nicholsi Bray & Gibson, 1980 (™ - off W Ireland)

@ *Polyacanthonotus rissoanus*
off W Ireland, off NW Scotland (deep water)

“*Cercaria*“ O.F. Müller, 1773

C. setifera Villot, 1879

@ *Abra tenuis*
France

C. dichotoma La Valette, 1855

@ larva found free in the water
Portugese Atlantic coast

Baccigerinae Yamaguti, 1958

Bacciger Nicoll, 1914

B. bacciger (Rudolphi, 1819)

= *Distoma baccigerum* Rudolphi, 1819 (™ - Naples; in *Atherina hepsetus*)
= *Bacciger nicolli* Palombi, 1934
= *Pseudobacciger nicolli* (Palombi) Yamaguti, 1971
=? *Ovotrema pontica* Pigulewsky, 1938
=? *Steringotrema ponticum* (Pigulewsky, 1938)
=? *Cercaria lata* Lespès, 1857
=? *Cercaria pectinata* Huet, 1891
=? *Cercaria lutea* (van Beneden) : Giard, 1897
@ *Atherina* ; cercariae in *Tapes decussatus*, *Venerupis pullastra*, *V. aurea*, *Tellina tenuis*, *Venus gallina*, *Donax* spp. & *Barnea candida* ; metacercariae in *Erichthonius difformis*
Hebrides, Port Erin, Plymouth, Arcachon, N Africa, Mediterranean, Black Sea

Pronoprymna Poche, 1926

= *Pentagramma* Chulkova, 1939, non Van Duzee, 1897
= *Pseudopentagramma* Yamaguti, 1971

P. ventricosa (Rudolphi, 1819) Poche, 1926

= *Distoma ventricosum* Rudolphi, 1819 (™ - Rimini; in *Alosa alosa*)

= *Apobolema ventricosum* (Rudolphi,1819)
Monticelli,1893
= *Pronopyge ventricosa* (Rudolphi,1819)
Odhner,1911
= *Distoma ocreatum* (Rudolphi) : Molin,1859
= *Apobolema ocreatum* (Rudolphi) : Monticelli,1891
= *Pronopyge ocreatum* (Rudolphi) : Looss,1899
= *Distomum carolinae* Stossich,1888
= *Pentagramma symmetricum* Chulkova,1939
= *Pseudopentagramma symmetricum*
(Chulkova,1939) Yamaguti,1971
= *Orientophorus caspialosae* Kurochkin,1964
@ intestine & pyloric caecae of *Alosa* spp.;
occasionally *Sprattus* & *Engraulis*
Netherlands, Belgium, Britain, Mediterranean,
Black Sea

Xenoperinae Poche,1926 (emend. Bray &
Gibson,1980)

= Proctoecinae Skrjabin & Koval,1957

Proctoeces Odhner,1911

P. maculatus (Looss,1901)

= *Distomum maculatum* Looss,1901 (™ - Trieste,
in *Labrus merula*)

= *Distomum subtenue* Linton,1907

= *Proctoeces buccini* Loos-Frank,1969

= *Proctoeces scrobiculariae* Loos-Frank,1969

= *Proctoeces erythraeus* Odhner,1911

?= *Proctoeces major* Yamaguti,1934

= *Proctoeces progeneticus* Dollfus,1965

= *Proctoeces hawaiiensis* Yamaguti,1970

= *Cercaria tenuans* Cole,1935

= *C. megalophallos* Palombi,1926

= *C. dubia* Cerruti,1948

= *C. milfordensis* Uzmann,1953

@ *Buccinum undatum*, *Scrobicularia plana*,

?Labridae & ?Blennidae; cercariae,

metacercariae & sometimes adults in *Mytilus* , in
which species the whole life cycle may

be completed. However metacercariae may be
found also in e.g. *Buccinum undatum*,

Nucella lapillus, *Scrobicularia plana*,

Leptonereis, *Rissoa* etc.

German North Sea coast, British Isles, Portugal,

Mediterranean, Black Sea

Xenopera Nicoll,1915

Monascinae Dollfus,1947

@ intestine of marine fishes (adults)

Monascus Looss,1907

= *Haplocladus* Odhner,1911

M. filiformis (Rudolphi,1819) Looss,1907

= *Distoma filiforme* Rudolphi,1819 (™ - Rimini; in
Cepola rubescens)

= *Haplocladus filiformis* (Rudolphi,1819)

Odhner,1911

= *Haplocladus typicus* Odhner,1911

= *Haplocladus minor* Odhner,1911

= *Haplocladus orientalis* Srivastava,1937

= *Monascus netoi* Travassos, Teixeira de Freitas &
Bührnheim,1965

= *Monascus chauhani* Kumari,1975

= *Monascus ovilobatus* Kumari,1975

= *Monascus elongatus* Karyakarte & Yadav,1976

@ *Limanda* & *Trachurus* ; immatures in
Arnoglossus, *Buglossidium*, *Crystallogobius*,
Glyptocephalus &

Pomatoschistus ; cercaria in *Nucula nitidosa* &
N. nucleus ; ?metacercariae in *Sagitta setosa*
Kattegatt, Tjärnö, Plymouth, Mediterranean

“**Cercaria**“ O.F. Müller,1773

C. dichotoma Pelseneer,1906, non La Valette,1855

@ ?*Macoma balthica*

Boulogne-sur-Mer

Tergestiinae Skrjabin & Koval,1957

Tergestia Stossich,1899

T. laticollis (Rudolphi,1819)

= *Distoma laticolle* Rudolphi,1819 (™ - Rimini ; in
Trachurus trachurus)

= *Echinostoma laticolle* (Rudolphi,1819)

Parona,1899

= *Distoma polonii* Molin : Olsson,1868

= *Tergestia acanthogobii* Yamaguti,1938

= *Tergestia acanthocephala* (Stossich,1887) :

Baylis,1939

?= *Cercaria kenti* Dollfus,1927

?= *Cercaria mathiasi* Dubois, Baer & Euzet,1952

@ *Trachurus trachurus*, *Scomber scombrus*

Bergen, British Isles, Mediterranean, Morocco,

Black Sea

Tandanicolinae Johnston,1927

= Monodhelminthinae Dollfus,1937

= Mehratrematinae Srivastava,1939

= Prosogonariinae Mehra,1963

= Buckleytrematinae Yamaguti,1971

Monodharmis Dollfus,1937
= *Mehratrema* Srivastava,1939
= *Burnellus* Angel,1971

Occultacetabulinae Reimer,1985

Occultacetabulum Reimer,1985 (™ *O. dorsolineatum* Reimer,1985 @ *Bathypterois ater* - Mozambique)

Gymnophalloidea Odhner,1905, emend. Brooks, Bandoni, Macdonald & O'Grady,1989

Gymnophallidae Odhner,1905
@ birds (adults)

Gymnophallus Odhner,1900

G. margaritarum Dubois,1901
@ sea birds; intermediate hosts: *Mytilus*
France, North Sea

G. dipsilis Nicoll,1907
@ sea birds; intermediate hosts: *Mytilus*
?

G. gibberosus Loos-Frank,1971
@ ducks; first intermediate host not known;
metacercariae in eg. *Donax*, *Cerastoderma*
 spp., *Macoma balthica*, *Mytilus edulis*,
Littorina littorea
* May induce pearl-formation.
S. Baltic, Belt Sea, Wadden Sea, French Atlantic
coast

G. choledochus Odhner,1900
= *Cercaria fulbrighti* Hutton,1952
@ sporocysts with cercariae & metacercariae in
Cerastoderma edule ; some larvae leave
their first host and infect polychaetes, e.g.
Hediste diversicolor, *Nephtys hombergi* &
Arenicola marina and use gulls as final hosts,
others that stay reaches their adult state in
wadens (Limicolide)
Wadden Sea, British Isles

G. somateriae (Levinsen,1881)
@ *Somateria mollissima* ; metacercariae in *Hiatella*
rugosa
Greenland

G. bursicola Odhner,1900

=?? *Distomum margaritarum* Dubois,1901
@ *Somateria mollissima* ; metacercariae in *Mytilus*
edulis
* may cause pearl formation in mussels?
Sweden, ?American North Atlantic coast

G. sp. (deliciosus ?) ?Lauckner,1971?
@ unknown bird; cercariae in *Cerastoderma*
glaucum ; metacercariae in *Hediste*
diversicolor or *Cerastoderma glaucum*
Baltic Sea

G. rebecqui Bartoli,1983
= *Cercaria dichotoma* Lebour,1908 &? Müller,1855
= *Parvitrema* sp. 1 : J. Rebecq,1964
@ cercariae in *Abra tenuis* ; metacercariae in *Abra*
tenuis & *Cerastoderma glaucum* ; adults in *Aythya*
ferina,
A. fuligula & *Anas clypeata*
Northumberland, Plymouth, S France

G. rostratus Bartoli,1982
@ marine bivalves
S France

Paragymnophallus Ching,1973

P. odhneri Ching,1973
= *Gymnophallus somateriae* Odhner,1900, non
(Levinsen,1881)
@ *Somateria mollissima*
Canada, ?Sweden

Meiogymnophallus Ching,1965
= *Gymnophalloides* James,1964, non Fujita,1925

M. fossarum (Bartoli,1965)
= *Gymnophallus fossarum* Bartoli,1965
@ metacercariae in *Cerastoderma*
edule, *Cerastoderma glaucum* & *Tapes decussatus*
S France, Portugal

M. minutus (Cobbold,1859) Bowers & James,1967
= *Cercaria margaritae* Lebour,1912
@ *Haematopus ostregalis* ; cercariae
in *Scrobicularia plana* ; metacercariae in
Cerastoderma edule
Belt Sea, Wadden Sea, British Isles, Portugal

M. jamesoni Bowers,1965
@ *Melanitta nigra* ; intermediate hosts not known
North Sea

M. strigatus (Lebour,1908) Bartoli,1983
= *Gymnophallus strigatus* Lebour,1908
@ unknown bird; cercariae in *Tellina tenuis* ;
metacercariae in e.g. *Ensis*, *Donax*, *Spisula* &
Solen
British Isles, Mediterranean

M. sp. Lauckner,1977
@ metacercariae in *Cerastoderma edule*
Wadden Sea

Lacunovermis Ching,1965

L. macomae (Lebour,1908)
= *Gymnophallus macroporus* Jameson &
Nicoll,1913
= *Metacercaria mutabilis* Markowski,1936
=? *Cercaria baltica* Markowski,1936
@ *Melanitta nigra*, *Somateria mollissima* ; *Macoma*
balthica (first & second intermediate host)
Baltic, S. North Sea

Parvatrema Cable,1953

P. homoeotectum James,1964
@ *Littorina saxatilis tenebrosa* (first & second
intermediate host)
Wales

P. affinis (Jameson & Nicoll,1913)
= *Cercaria baltica* Markowski,1936
= *Metacercaria morula* Markowski,1936
@ *Haematopus ostregalus*, *Somateria molissima*,
Melanitta spp., *Sterna* spp.; *Macoma*
balthica (first & second intermediate host)
Baltic, North Sea, White Sea

P. sp.
= *Cercaria quadriramis* Chubrik,1966
@ *Onoba aculeus*, *Margarites helycinus*, *Epheria*
divaricata, *Littorina saxatilis*, *L. obtusata*,
Buccinum groenlandicum & *Lacuna neriteidea*
N Norway, Barents Sea, White Sea

“**Cercaria**“ O.F. Müller,1773

C. turtonii ?Chubrik,1966?
@ unknown bird; *Turtonia minuta* (first & second
intermediate host)
Barents Sea, White Sea

C. reesi Hutton,1953
@ *Hiatella* spp.

Plymouth

C. duoglandulosa ?Reimer,1962?
@ *Macoma balthica*
Baltic

C. trioglandulosa ?Reimer,1962?
@ *Macoma balthica*
Baltic

C. dichotoma Chubrik,1966, non Pelseneer,1906
@ *Turtonia minuta*
Barents Sea, White Sea

C. scrivenensis Lebour,1912
?= *C. sp.* Johannessen,1973
@ metacercariae (sic!) in *Venerupis pullastra*
* *C. sp.* from Bergen is possibly not a gymnophallid,
but a fellodistomid?
Scotland, ?Bergen

C. sp. Loos-Frank,1971
@ *Scrobicularia plana*
North Sea

Bucephaloidea Poche,1907
@ limnic & marine fish; larvae in bivalves

Bucephalidae Poche,1907

Gasterostomum von Siebold,1848
= *Bucephalus* von Baer,1826, non Dejean,1821

G. polymorphus (von Baer,1827)
@ *Anguilla* and a variety of fresh water fishes
?

G. gadorum (Rathke,1799)
@ *Gadus morhua* & *Pollachius virens*
Denmark

G. vipera van Beneden,1870
@ *Trachinus vipera*
Belgium

G. vivae van Beneden,1870
@ *Trachinus draco*
Belgium

G. clupeae van Beneden,1870
@ *Sprattus sprattus*
Belgium

G. haimeanus (Lacaze-Duthiers,1854)
@ cercariae in *Ostrea edulis* ; life cycle not known
Balearic Islands

G. baeri (Maillard,1976)
@ *Dicentrarchus labrax* ; cercariae in *Venerupis aureus* & possibly *V. pullastra* & *Tapes decussatus* ; metacercariae in *Pomatoschistus microps*
Mediterranean

G. syndosmyae (Lebour,1912)
@ *Abra alba*
British Isles

Labratrema Maillard,1975

L. minimus (Stossich,1887)
= *L. lamirandi* (Carrère,1937)
@ *Dicentrarchus labrax* ; cercariae in *Cerastoderma glaucum* ; metacercariae in
Pomatoschistus microps & *Atherina mouchon*
Arcachon, British Isles, Mediterranean

Bucephalopsis Diesing,1855
= *Prosorhynchoides* Dollfus,1929
= *Bucephaloides* Hopkins,1954

B. gracilescens (Rudolphi,1819) Nicoll,1914
@ *Lophius* & *Conger*, metacercariae in cod and related species and in *Enchelyopus cimbrius*, cercariae in *Abra alba*
Sweden, Bergen, Trondheim, Troms, British Isles, Biscay, Mediterranean

B. triglae (van Beneden,1870)
@ *Trigla hirundo*
Belgium

Dolichoenterum Ozaki,1924

D. longissimum Ozaki,1924
?= *D. manteri* Tendeiro,1955
@ *Conger conger*, *C. myriaster* & *Muraenesox cinereus*
off W Scotland, Biscay, ?Portugal, Japan , New Zealand

Rhipidocotyle Diesing,1858

R. galeata (Rudolphi,1819)
@ weevers and gurnards
British Isles

R. genovi Dimitrov, Kostadinova & Gibson,1996
@ *Gaidropsarus mediterraneus* & *Blennius* spp.
Black Sea

R. gracilescens (Rudolphi,1819)
@ *Lophius piscatorius*, *Molva molva*, *Merlangus*, *Melanogrammus*
*Is not this a synonym of *Bucephalopsis gracilescens* ?
Mediterranean

R. johnstonei Pulsford & Matthews,1984
@ *Pleuronectes platessa*
Britain

Prosorhynchus Odhner,1905

P. squamatus Odhner,1905
?= *Bucephalus mytili* Cole,1935
?= *Bucephalus crux* Levinsen,1881
@ cercariae in *Mytilus edulis* & ?*Musculus discors*
* Infested mussels more easily gap with their valves, when transferred to air.
Baltic, Norway, S. Engl. Channel, England, Iceland, White Sea, Greenland

P. grandis Lebour,1908
@ cod & withing
Northumberland

P. triglae Nicoll,1914
* Dubious species
@ *Eutrigla gurnardus*
Engl. Channel

Rudolphinus Stunkard,1974

R. crucibulum (Rudolphi,1819)
= *Monostoma crucibulum* Rudolphi,1819
=? *Prosorhynchus crucibulum* : Odhner,1905
= *Prosorhynchus aculeatus* Odhner,1905
= *Prosorhynchus squamatus* (??,18??)
=? *Bucephalus mytili* Cole,1935
@ *Conger conger* ; cercaria in *Mytilus edulis* ; metacercaria in muscles of *Scophthalmus*, *Limanda*, *Ciliata*,
Pomatoschistus minutus, *Liparis*, *Pholis gunnellus* & *Myoxocephalus* and gill tissue of cod
Baltic, Öresund, Bergen, White Sea, Iceland, Greenland, British Isles, Belgium, Biscay, Mediterranean

AZYGIIDA Schell, in Parker, 1982
@ fishes or (rarely) amphibians [adults]

AZYGIATA ?, 19??

Azygioidea Odhner, 1911

Azygidae Odhner, 1911
@ fishes; cercariae in prosobranchs

Otodistomum Stafford, 1904
* According to Brinkmann 1988, one of the main intermediate hosts for this genus is *Rhinonemus cimbrius*, where the metacercariae are found encapsulated in the liver.

O. cestoides (van Beneden, 1871)
@ clinging to the stomach mucosa of *Raja*, rarely sharks
* May be a synonym of *O. veliporus*
Scandinavia

O. veliporum (Creplin, 1837) Stafford, 1904
@ Sharks and torpedos; Larvae in various other species, e.g. *Glyptocephalus cynoglossus*
Sweden, Norway, British Isles, Biscay, Italy

Bivesiculidae ?, 19??

Bivesicula Yamaguti, 1934

Bivesiculoides Yamaguti, 1938

Paucivitellosus Coil, Reid & Kuntz, 1965

Aphanhysteridae ?, 1???

Aphanhystera ?, 1???

HEMIURATA Markevitsch, 1951

Hemiuroidea Looss, 1899

Hemiuridae Looss, 1899
@ stomachs of marine fishes; cercariae most often in prosobranchs; metacerc. in copepods

Hemiurinae Looss, 1899
* Other genera than *Hemiurus* may be wrongly placed in this subfamily.

Allostomachicola Yamaguti, 1958
* Correct subfamily?

Elongoparorchis Rao, 1961
= *Pelorohelminis* Fischthal & Kuntz, 1964
= *Dollfustravassosius* Freitas & Kohn, 1967
* Correct subfamily?

Hemiurus Rudolphi, 1809
= *Pronopyge* Looss, 1899

H. levinseni Odhner, 1905
@ *Gadus* spp. & *Argentina silus*; cercaria probably in *Lunatia pallida*, sensu Køie, 1990
Denmark, Greenland

H. ocreatus (Rudolphi, 1802)
@ ?Clupeidae, ?Salmonidae, Scombridae, *Pollachius*, *Merlangius* etc.
Baltic, North Sea, British Isles

H. luehei Odhner, 1905
@ stomach of Clupeidae, Salmonidae, Scombridae, Gadidae, Ammodytidae; cercariae in *Philine denticulata* (Adams); metacercariae in calanoid copepods, e.g. *Temora longicornis* (Müller) & *Acartia tonsa* Dana and in *Sagitta* sp.
S Baltic, Öresund, Kattegatt, North Sea, Faeroes

H. communis Odhner, 1905
@ stomach of very many fish species; cercariae in *Pleurobrachia pileus*; metacercariae in ?pelagic ?copepods?
S. Baltic, Sweden, British Isles, Ireland

H. appendiculatus (Rudolphi, 1802) Looss, 1899
@ stomach of *Alosa fallax*
Biscay, Mediterranean, Lusitanian distribution

Brachyphallus Odhner, 1905

B. crenatus (Rudolphi, 1802) Odhner, 1905
@ cercaria in *Retusa obtusa*; metacercariae in calanoid copepods (e.g. *Acartia longiremis*), *Sagitta* spp. & *Pleurobrachia pileus*; adults in stomach of e.g. *Ammodytes*, *Gasterosteus*, *Myoxocephalus*, *Gadus morhua*, *Sprattus*, *Clupea harengus*, *Alosa* spp., *Trutta trutta*, *Platichthys*, *Pomatoschistus minutus* & *Anguilla anguilla*
S. Baltic, Öresund, Kattegatt, S North Sea, British Isles, White Sea

Glomericirrus Yamaguti, 1937
* Correct subfamily?

G. macrouri (Gaevskaya,1975) Gaevskaya,1979
= *Hemiurus macrouri* Gaevskaya,1975
= *Glomicirrus ulmeri* Campbell & Munroe,1977
= *Hemiurus antarcticus* Reimer,1987
@ *Coryphaenoides rupestris*
NW Atlantic, Antarctic

Derogenoides Nicoll,1913
* Correct subfamily?

D. ovacutus Nicoll,1913
@ *Trachinus draco*
Plymouth

Geloninea Manter,1916
* Correct subfamily?

G. laticauda Manter,1925
@ *Hippoglossus vulgaris*
?

Gonocercella Manter,1940
* Correct subfamily?

G. sepiocola Reimer,1975
@ *Sepia officinalis*
Engl. Channel

Aphanurus Looss,1907
* Correct subfamily?

A. stossichii (Monticelli,1893)
@ *Sardina pilchardus* & *Trachurus trachurus*
Celtic Sea

A. mugilus Tang,1981
@ *Mugil cephalus*
China

Parahemiurus Vaz & Pereira,1930
* Correct subfamily?

Stomachicola Yamaguti,1934
= *Linguastomachicola* Srivastava & Sahai,1978
* Correct subfamily?

Cercaria O.F. Müller,1773

C. sinitzini Rothschild,1938
@ cercariae in *Hydrobia ulvae*
Plymouth

C. dollfusi ?Arvy,1951?

@ *Philine aperta*
English Channel

C. melanocystea Arvy & Gaillard,1956
@ *Pandora albida* (Röding) = *P. inaequalvis*
Linnaeus
English Channel

Gonocercinae Skrjabin & Guschanskaja,1955

Gonocerca Manter,1925

G. crassa Manter,1934
@ *Molva dipterygia*
?

G. macroformis ??,1???
@ ovary of cod
?

G. macrouri Gaevskaya1975
@ *Coryphaenoides rupestris*
NW Atlantic

G. phycidis Manter, 1925
@ *Phycis* ?
NE Atlantic

Lecithochiriinae Lühe,1901

Lecithochirium Lühe,1901
= *Ceratotrema* Jones,1933
= *Sterrhurus* Looss,1907
* Sometimes in its own subfamily Lecithochiriinae
Lühe,1901

L. rufoviride (Rudolphi,1819)
= *L. gravidum* Looss,1907
= *Cercaria vaullegeardi* Pelseneer,1906
@ *Anguilla*, *Conger*, *Dicentrarchus* & *Lophius* ;
cercaria in *Gibbula cineraria* (Linnaeus) ; main
second

intermediate hosts are harpacticoid copepods.
Ctenolabrus, *Pholis*, *Ciliata* & *Gadus*
often serve as third hosts
Kattegatt, British Isles, Biscay, Mediterranean

L. fusiforme Lühe,1901
= *Sterrhurus fusiforme* (Lühe,1901)
@ *Conger* & *Lophius*
British Isles, Mediterranean

L. furcolabiatum (E.I. Jones,1933)

@ *Ciliata mustela*, *Conger conger*; cercaria in *Gibbula umbilicalis*; main second intermediate hosts are harpacticoid copepods
British Isles

L. musculus (Looss 1907)
NE Atlantic

L. cristatum (Rudolphi 1819)
NE Atlantic

L. excisum (Rudolphi 1819)
= *L. crenatum* (Molin 1859)
NE Atlantic

Synaptobothrium von Linstow, 1904

S. caudiporum (Rudolphi, 1819)
@ several fish species, e.g. *Zeus* & *Pleuronectes*
British Isles, Mediterranean

Dinurinae Looss, 1907

Atheria Hafeezullah, 1975

Dinurus Looss, 1907

D. tornatus (Rudolphi, 1819)
@ e.g. *Sarda*
?

D. scombr Yamaguti, 1934
= *Dinurus selari* Parukhin, 1966
@ ?
?

Ectenurus Looss, 1907
@ *Sagitta*

E. lepidus Looss, 1907
British Isles, Mediterranean, in e.g. *Trachurus*

Erilepterus Woolcock, 1935

Lecithocladium Lühe, 1901

L. excisum (Rudolphi, 1819) Lühe, 1901
= *Lecithocladium crenatum* (Molin, 1859)
@ cercaria in *Philine aperta*; adults in *Scomber* spp.
S. Baltic, British Isles, Biscay, Portugal, Mediterranean

Tubulovesicula Yamaguti, 1934

Uterovesiculurus Skrjabin & Guschanskaja, 1954

Plerurinae Gibson & Bray, 1979

Adinosoma Manter, 1947

Dinosoma Manter, 1934

D. ventrovesicularis Gibson & Bray, 1986
@ *Xenodermichthys socialis*
Ireland

Merlucciotrema Yamaguti, 1971

M. praeclarum (Manter, 1934)
@ myctophiform & gadiform fishes (*Bathysaurus* spp., *Cataetyx*)
N Atlantic

Plerurus Loos, 1907

Voitrema Yamaguti, 1971

Derogenidae Nicoll, 1910

Derogenes Lühe, 1900

D. varicus (O.F. Müller, 1784) Looss, 1901
= *Cercaria appendiculata* Pelseneer, 1906
= *Distoma beroes* ?Will, 1844? (metacercaria)
@ stomach of very many fish species; even from *Sepia officinalis*; Cercaria in Naticidae; metacercaria in planctonic copepods, hermit crabs, ctenophores and chaetognats
S. Baltic, Sweden, Denmark, Norway, British Isles, Biscay

Hemipera Nicoll, 1913

H. ovocaudata Nicoll, 1913
@ *Ciliata*, *Gaidropsaurus* & *Lepadogaster*
Plymouth

H. magnaprostatica Gaevskaja & Aljoshkina, 1995
@ *Merluccius merluccius senegalensis*
NE Atlantic

Liopyge Looss, 1899

* A tentative synonym of *Derogenes* Lühe, 1901 according to Gibson & Bray 1979

L. bonnieri (Monticelli,1893)

@ *Eutrigla gurnardus*

?

Magnibursatus ??,19??

M. caudofilamentosa (Reimer,1971) Gibson & Køie,1991

= *Cercaria caudofilamentosa* Reimer,1971

@ *Cercaria* in *Rissoa membranacea* ; metacercaria in harpacticoids; adult in buccal cavity of

Gasterosteus aculeatus

S Baltic, Denmark

M. skrjabini (Vlasenko, 1931)

@ ?

Europe

Bunocotylidae Dollfus,1950

Bunocotyle Odhner,1928

B. cingulata Odhner,1928

@ *Hydrobia ventrosa* (may complete its life cycle in the snail, but copepods may serve as

intermediate hosts and teleosts as final hosts)

Baltic Sea

B. progenetica (Markowski,1936)

= *Metorchis progenetica* Markowski,1936

@ *Hydrobia ulvae* & *H. ventrosa* (the complete life cycle)

Baltic Sea, N. France, Mediterranean

Neotheletrum Gibson & Bray,1979 (™ *N. lissosomum* (Manter,1940))

Theletrinae Gibson & Bray,1979

Indoderogenes Srivastava,1937

Monolecithotrema Yamaguti,1970

Theletrum Linton,1910

Bathycotylidae ?,1???

@ stomach of marine teleosts

Botulidae ?,1???

@ stomach of marine fishes

Hirudinellidae Dollfus,1932

Hirudinella de Blainville,1828

Syncoeliidae Loos,1899

@ gill cavity or mouth of marine fishes (except for *Paronatrema*)

Syncoelium Looss,1899

S. regaleci Villarreal & Dailey,1993

@ branchial cavity of *Regalecus glesne* Mexico

Otiotrematinae Skrjabin & Guschanskaja,1957

= Paronatreminae Skrjabin & Guschanskaja,1957

Paronatrema Dollfus,1937

@ on sp. in oviduct of *Squalus* & another species on skin of *Manta*

Lecithasteridae Odhner,1905

@ stomachs of marine fishes; cercariae in ?pyramidellomorphs; metacercariae in copepods

Aponurus Looss,1907

= *Brachodena* Linton,1910

=? *Mordvilkovia* Pigulewsky,1938

A. laguncula Looss,1907

@ e.g. *Clupea harengus*, *Mullus* & *Trachinus* Britain, Mediterranean

Lecithaster Lühe,1901

L. confusus Odhner,1905

@ *Clupea* & *Alosa* ; cercariae in *Odostomia trifida* Totten; metacerc. in pelagic copepods.

?S. Baltic, Greenland, Mediterranean

L. gibbosus (Rudolphi,1802)

@ a variety of fish, e.g. *Sprattus*, *Solea*, *Ammodytes*, *Pomatoschistus* & *Labrus* ; cercariae in *Odostomia eulimoides* Hanley

Öresund, Kattegatt, North Sea, British Isles

Lecithophyllum Odhner,1905

L. botryophorum (Olsson,1868)

= *Aponurus argentini* Poljansky,1952

@ *Argentina* spp.

Sweden?, British Isles

L. irlandeum Orias, Noble & Alderson,1978

@ *Bathylagus euryops*
NE Atlantic

L. magnaprostatica Gajevskaja & Kovaljova,1989
@ *Alepocephalus rostratus*
NE Atlantic

Thulinia Gibson & Bray,1979, non Bertolani,1981
(Tardigrada) (TM *T. tinkeri* (Manter &
Pritchard,1960))

Ptychogonimidae Dollfus,1936
@ stomachs of marine fishes; cercariae in
scaphopods; metacerc. in decapod crustaceans

Ptychogonimus Lühe,1900

P. megastoma (Rudolphi,1819)
= *Cercaria dentali* Pelseneer,1906?
@ *Mustelus* ; cercariae in *Antalis* ; unencysted
metacercariae in *Brachyura*
British Isles, Mediterranean

“*Cercaria*“ O.F. Müller,1773

C. prenanti Arvy,1949
@ cercariae in gonads of *Antalis entale*
English Channel

Sclerodistomidae Odhner,1927

Kenmackenziinae Gibson,1983

Kenmackenzia Gibson,1983 (TM *Distoma gigas*
Nardo,1827 @ *Luvarus* - South Africa)

Sclerodistomoididae Gibson & Bray,1979

Sclerodistomoides Kamegai,1971

Accacoelioidea Odhner,1911
@ marine fishes; metacercariae in medusae &
chaetognathes

Accacoeliidae Odhner,1911

Accacoeliinae Odhner,1911

Accacoelium Monticelli,1893

A. contortum (Rudolphi,1819) Monticelli,1893
= *Distoma contortum* Rudolphi,1819 (TM - Naples)
@ among gills of *Mola mola*

Varberg, Skagen, Ireland, Mediterranean

Accacladium Odhner,1928

A. serpentulum Odhner,1928 (TM - Bergen)
= *Distomum nigroflavum* : Monticelli,1893, non
Rudolphi,1819
= *Accacladium nematulum* Noble & Noble,1937
@ intestine of *Mola mola*
Kattegatt, Bergen, Mediterranean, California

Rhynchopharynx Odhner,1928

R. paradoxa Odhner,1928 (TM - Trieste)
@ intestine of *Mola mola*
Väderöarna, Havstenssund, Mediterranean, off
Japan

Accacladocoelium Odhner,1928
= *Gauschanskiana* Skrjabin,1959
* According to Dawes,1959, is *Metacercaria owreae*
Hutton,1954, recorded from Chaetognatha from
Florida, belonging in this genus.

A. nigroflavum (Rudolphi,1819)
= *Distoma nigroflavum* Rudolphi,1819 (TM -
Naples)
= *Distoma megnini* Poirier,1885
@ intestine of *Mola mola*
Kattegatt, England, Rockall, Ireland, Mediterranean

A. macrocotyle (Diesing,1858) Robinson,1934
= *Distomum macrocotyle* Diesing,1858
@ intestine of *Mola mola*
Kattegatt, Skagerrak, Scotland, Ireland, WSW off
Britain, Mediterranean, E USA

A. petasiporum Odhner,1928
@ intestine of *Mola mola*
Göteborg, Mediterranean

A. alveolatum Robinson,1934 (TM of
Gauschanskiana Skrjabin,1959)
@ intestine of *Mola mola*
Göteborg, British Isles

Odhnerium Yamaguti,1934
= *Mneiiodhneria* Dollfus,1935
= *Caballeriana* Skrjabin & Guschanskaja,1959

O. calyptrocotyle (Monticelli,1893) Yamaguti,1934
= *Distoma calyptrocotyle* Monticelli,1893 (TM -
?Mediterranean)

= *Distoma foliatum* Linton,1898
= *Caballeriana lagodovsky* Skrjabin &
Guschanskaja,1959
@ intestine of *Mola mola* ; metacercariae in *Beroe*
ovata
Varberg, Tovas Ungar, Hunnebostrand,
Havstenssund, Rockall, Ireland, Britain, Atlantic
coast of France, Mediterranean

Tetrochetus Looss,1912
= *Paratetrochetus* Hanson,1955

T. raynerii (Nardo,1833) Looss,1912, emend.
@ *Luvaris imperialis*
= *Distoma raynerium* Nardo,1833 (™ - Venice)
Bergen, Mediteranean

T. coryphaenae Yamaguti,1934
@ *Coryphaena*
S Atlantic

Paraccacladiinae Bray & Gibson,1977

Paraccacladium Bray & Gibson,1977

P. jamiesoni Bray & Gibson,1977 (™ - off W
Britain)
@ *Coryphaenoides rupestris* ; immature forms of
the genus, probably conspecific with this species, in
Alepocephalus bairdii, *Schedophilus medusophagus*,
Centrolophus niger & *Xenodermichthys copei*
off W Britain, NW Atlantic

Didymozooidea Monticelli,1888
@ fishes; larvae in e.g. goose barnacles, marine
copepods, medusae, chaetognathes &
fishes

Didymozoidae Monticelli,1888
* Yip,1984 found an unidentified larvae of this
family in *Pleurobrachia pileus* at Ireland
* Larvae of unidentified Didymozoids have also
been found in several Cephalopods, e.g. in Atlantic
Illex coindetii & *I. illecebrosus*, *Ommastrephes*
bartrami, *Todarodes sagittatus* & *Todaropsis*
eblanae

Allonematobothrium Yamaguti,1965

Epithelionematobothrium Yamaguti,1970

Gonapodasmius Ishii,1935

Halvorsenius Gibson, MacKenzie & Cottle,1981

H. exilis Gibson, MacKenzie & Cottle,1981
@ *Scomber scombrus*
North Sea, Engl. Channel

Maccalozoum Ishii,1935

Maclarenozoum Ishii,1935

M. mola (Maclaren,1904)
@ gills of *Mola mola*
Sweden, Roscoff, Mediterranean

Metadidymocystis Yamaguti,1970

Metanematobothrioides Yamaguti,1965

Metanematobothrium Yamaguti,1938

Monilicaecum Yamaguti,1942

Nematobothrioides Noble,1974

N. histoidii Noble,1974
@ an up to at least 12.2 m (sic!) long worm in
muscles of *Mola mola*
Sweden

Nematobothrium van Beneden,1858

N. filarina van Beneden,1858
@ gills of Sciaenidae
France, Belgium

N. benedeni (Monticelli,1893)
@ gills of *Mola mola*
Mediterranean

Neolamprididymozoon Wierzbicka,1980

Neometadidymozoon Yamaguti,1971

Neometanematobothrioides Yamaguti,1970

Neonematobothrioides Yamaguti,1970

Ovarionematobothrium Yamaguti,1970

Paragonapodasmius Yamaguti,1938

Procerozoum Kamegai,1971

- Torticaecum* Yamaguti,1942
- Unitubulotestis* Yamaguti,1953
- U. sardae* (G.A. & W.G. MacCallum,1916)
= *Nemathobothrium sardae* : Auctt.
@ in orange cysts among gill lobes in *Sarda sarda*
North Sea
- Didymozoinae Poche,1907
- Didymozoon* Taschenberg,1879, sensu
Odhner,1907
- D. scombr* Taschenberg,1879
@ in cysts in the pharynx roof of *Scomber*
Bohuslän, British Isles, Mediterranean
- D. faciale* Baylis,1938
@ in cysts in the skin behind the eye of *Scomber*
Bohuslän, British Isles
- D. taenioides* Monticelli,1888
@ muscles of *Mola mola*
Belgium, Mediterranean
- D. tenuicolle* (Rudolphi,1819)
@ *Lampris guttatus*
Sweden, North Sea
- Didymocystis* Ariola,1902
- D. margolisi* Kamegai & Araki,1995
@ *Katsuwonus pelamis*
Japan
- Lobatozoum* Ishii,1935
= *Lobatocystis* Yamaguti,1965
= *Kamegaia* Yamaguti,1970
= *Yamaguticystis* Nicolaeva & Dubina,1978
- Glomeritrematinae ?,1???
- Indoglomeritrema* Madhavi & Hanumantha-
Rao,1983 (™ *I. epinepheli* Madhavi &
Hanumantha-Rao,1983 @ *Epinephelus tauvina* -
Bay of Bengal)
- Didymodiciplinidae Pozdnyakov,1993
- Coeliotrema* Yamaguti,1938
- Didymodicielinus* Pozdnyakov,1993 (™
- Gonapodasmius pacificus* Yamaguti,1938)
- Koellikerioides* Yamaguti,1970
- Wedlia* Cobbold,1860
- Koellikeriinae Ishii,1935
- Koellikeria* Cobbold,1860
- K. filicollis* (Rudolphi,1819) Cobbold 1860
@ *Brama brama*
British Isles
- Nephrodidymotrematinae Yamaguti,1970
- ECHINOSTOMIDA ?,1???
- ECHINOSTOMATA Faust,1929
- Echinostomatoidea Looss,1902
@ birds & mammals; larvae in molluscs,
crustaceans, fishes & amphibians
- Echinostomatidae Looss,1902
- Acanthoparyphium* Dietz,1909
- Echinostoma* Rudolphi,1809
- E. acanthoides* (Rudolphi,1819) Cobbold,1860
= *Distoma acanthoides* Rudolphi,1819
@ intestine of *Phoca vitulina*
Berlin Zoo
- Mesorchis* Dietz,1909
- M. denticulatus* (Rudolphi,1802) Dietz,1909
= *Fasciola denticulata* Rudolphi,1802
@ *Sterna hirundo*, *Alca torda*, *Cavia arctica*,
Larus marinus & *Larus larus* ; snails are 1:rst
intermediate hosts and fishes 2:nd intermediate hosts
S Baltic
- Himasthla* Dietz,1909
- H. leptosoma* Creplin,1829
@ sea birds; intermediate host: *Abra tenuis*,
Arenicola marina , *Phascolosoma vulgare* &
Leptosynapta spp.
British Isles, France
- H. elongata* (Mehlis,1831)

= *Cercaria proxima* Lebour,1905
= *Echinostomum secundum* Nicoll,1906
@ gulls & eider ducks; rediae & cercaria in *Littorina* spp.; metacercaria in bivalves, e.g. *Mytilus edulis* and *Cerastoderma* spp., to some extent, polychaetes
* this species is thought to be able of depleting cockle populations in the North Sea area, where definitive hosts are very common
Kattegatt, Bohuslän (e.g. Tjämnö area), S. North Sea

H. interrupta Loos-Frank,1967
@ gulls; rediae & cercariae in *Hydrobia* spp.; metacercariae in bivalves, e.g. *Mytilus edulis*
Baltic, Belt Sea, Wadden Sea

H. continua Loos-Frank,1967
@ gulls; rediae & cercariae in *Hydrobia* spp.; metacercariae in bivalves, e.g. *Mytilus edulis*
Baltic, Belt Sea, Wadden Sea

H. militaris (Rudolphi,1809)
@ cercariae in *Hydrobia ventrosa* ; metacercariae in *Hediste diversicolor*
N. Europe, Mediterranean

H. avosettae ??,19??
@ only known from adult in bird
N. Europe

H. littorinaeobtusatae (Ledbour,1912)
@ rediae & cercariae in *Littorina obtusata*
British Isles, Barents Sea

H. himasthla spec. I (Loos-Frank,1967)
@ rediae & cercariae in *Hydrobia ulvae*
N. Europe

H. himasthla spec. II (Loos-Frank,1967)
@ rediae & cercariae in *Hydrobia ulvae*
N. Europe

H. littorinae Rees,1936
@ Cercariae in *Littorina littorea*, *L. obtusata* & *L. saxatilis* ; metacercariae may develop in the periwinkles, but normally in bivalves
Wales, Woods Hole

H. sp. Podlipajev,1979
@ *Littorina saxatilis*
N Norway, Murmansk

Parorchis Nicoll,1907

P. acanthus (Nicoll,1906)
= *Zeugorchis acanthus* Nicoll,1906
= *Cercaria purpurae* Lebour,1907
@ sea birds (*Larus* spp.); cercariae in e.g. *Nucella lapillus* & *Urosalpinx cinerea* ; intermediate hosts e.g.: *Mytilus* & *Cerastoderma*
British Isles, North America

P. avitus Linton 1914
@ sea birds; intermediate hosts e.g.: *Urosalpinx* & *Nucella*
?

Psilostomatidae Odhner,1911, emend. Nicoll,1935

Psilostomum Looss,1899

P. brevicolle (Creplin,1829)
= *P. platyurum* (Mühling,1896)
= *Cercaria mytili* Lebour,1912
@ ducks & oystercatcher; cercariae in *Hydrobia ulvae* ; metacercariae in *Cerastoderma* spp. & *Mytilus edulis*
S. Baltic, Belt Sea, S. North Sea, British Isles

Psilochasmus Lühe,1909

P. oxyurus (Creplin,1825)
@ ducks; cercariae & metacercariae in *Littorina* spp.
S Baltic, British Isles

P. aglyptorchis Loos-Frank,1968
@ cercariae & metacercariae in ?*Hydrobia*
?North Sea

Philophthalmidae Looss,1899

Echinostephilla Lebour,1909

E. patellae (Lebour,1911) Kollien,1996
= *Cercaria patellae* Lebour,1911
@ *Haematopus ostralegus*; cercariae in digestive gland of *Patella* spp, *Acanthodoris* and *Aplysia*
British Isles, e.g. St Andrews

Haploporoidea Nicoll,1914
@ intestine of fishes; cercariae in prosobranchs

Haploporidae Nicoll,1914

Haploporus Looss,1902

H. benedenii (Stossich,1887)

@ *Mugil labrosus*

British Isles

Saccocoelium Looss,1902

S. obesum Looss,1902

@ *Mugil* spp.

British Isles, Mediterranean

Lecithobotrys Looss,1902

L. putrescens Looss,1902

@ *Mugil auratus*

Mediterranean

Dicrogaster Looss,1902

D. perpusilla Looss,1902

@ *Mugil labrosus*

Mediterranean

Haploplanchnidae Poche,1926

Haploplanchnus Looss,1902

H. pachysoma (Eysenhardt,1829)

@ *Mugil* spp.

Mediterranean

Neohaploplanchnus Lu,1995 (™ *N. cirrusaci*

Lu,1995 @ *Engraulis japonica* - China)

Elonginurinae Lu,1995

Elonginurus Lu,1995 (™ *E. mugilus* Lu,1995 @

Mugil cephalus - China)

Fascioloidea Railliet,1895

@ mammals; cercariae in gastropods

Fasciolidae Railliet,1895

Fasciola Linnaeus,1758

F. skrjabini Delyamure,1955

@ *Orcinus orca* & *Balaenoptera acutirostrata*

Europe

PARAMPHISTOMATA Szidat,1936

Parapronocephaloidea Skrjabin,1955

Parapronocephalidae Skrjabin,1955

Raogaster Groschaft & Tenora,1981 (™

Adenogaster indica Rao,1975)

Parapronocephalinae Skrjabin,1955

Parapronocephalum ??,19??

P. symmetricum Belopolskaia,1952

@ *Littorina saxatilis tenebrosa* var. *similis*

Wales

Notocotyloidea Lühe,1909

Notocotyliidae Lühe,1909

@ birds & mammals; cercariae in pulmonates or prosobranchs

Catatropis Odhner,1905

C. lagunae Bayssade-Dufour, Albaret, Fermet-Quinet & Farhati,1996

@ Anatidae; larvae in *Hydrobia ulvae*

Biscay

Ogmogaster Jägerskiöld,1891

O. plicatus (Creplin,1829) Jägerskiöld,1891

= *Monostomum plicatum* Creplin,1829

@ *Balaenoptera* spp.

off Norway, Sea of Okhotsk

O. antarticus Johnston,1931

@ *Balaenoptera physalus*

* Should the spelling not be antarcticus?

Spain

Notocotyloides ?Dollfus,1966?

N. petasatum (Deslongchamps,1824)

@ "*Littorina littoralis*"

France (St. Vaast-la Hougue)

Notocotylus Diesing,1839

N. sp. Podlipajev,1979

@ cercaria in *Littorina* spp.

N Norway

Paramonostomum Lühe, 1909
= *Hofmonostomum* Harwood, 1939

P. chabaudi Van Strydonck, 1965
= *Cercaria lebouri* Stunkard, 1932
@ Sea birds; 1:rst intermediate host is *Littorina littorea* (Linnaeus); none 2:nd intermediate host Bohuslän (e.g. Tjärnö area), Sylt, Britain, France

P. alveatum (Mehlis, in Creplin, 1846)
@ *Hydrobia ventrosa*
Baltic

Pronocephalidae Looss, 1899
@ intestine, urinary bladder or stomach of turtles or rarely fishes or marine iguanids

Pronocephalus Looss, 1899
@ marine turtles

Diaschistorchis Johnston, 1913
@ marine turtles

Pleurogonius Looss, 1901
@ marine turtles

Medioporus Oguro, 1936
@ marine turtles

Pyelosomum Looss, 1899
@ marine turtles

P. renocapite (Leidy, 1856)
@ *Dermochelys coriacea*
Europe

Cricocephalinae Groschaft & Tenora, 1981

Cricocephalus Looss, 1899
@ marine turtles

Taprobanellinae Yamaguti, 1958

Rhabdiopoeidae Poche, 1925
@ intestine & stomach of marine mammals

Mesometridae Poche, 1926
@ intestine of marine fishes; cercariae in snails

Mesometra Lühe, 1901

M. orbicularis (Rudolphi, 1819)
@ *Boops boops*

Mediterranean

M. brachycoelia Lühe, 1910
@ *Boops boops*
Mediterranean

Microscaphidiidae Looss, 1900

Microscaphidiinae Looss, 1900, emend. Blair, 1986

Angiodictyum Looss, 1902

Microscaphidium Looss, 1899

Parangiodictyum Muherjee, 1993 (™ *P. satyabrati* Muherjee, 1993 @ *Chelone mydas* - Bay of Bengal)

Polyangium Loos, 1902

Polygorgyra Blair, 1986 (™ *P. cholados* Blair, 1986 @ *Chelonia mydas* - Queensland)

Octangiinae
* revised by Blair 1987

Neoctangium Ruiz, 1941

Octangium Looss, 1902

Opisthotrematoidea Poche, 1926

Opisthotrematidae Poche, 1926
@ respiratory system, esophagus & stomach of marine mammals

Nudacotyliidae Barker, 1916

PLAGIORCHIIDA ?, 19??

PLAGIORCHIATA La Rue, 1957

Plagiorchioidea Lühe, 1901

Plagiorchiidae Lühe, 1901
@ all kinds of vertebrates, including marine turtles

Styphlotrema Odhner, 1911

Haematoloechidae Freitas & Lent, 1939
@ ?non marine hosts

Macroderoididae McMullen, 1937
@ non marine hosts

Brachycoeliidae ?,1???

Cymatocarpus Loos,1899

C. undulatus ?Linton,1910?

@ *Caretta caretta*

Mediterranean, Gulf of Mexico

Orchidasma Looss,1900

= *Anadasmus* Looss,1899, non Walsingham,1897
(Lepidoptera)

O. amphiorchis ??,18??

@ *Chelonia mydas* & *Caretta caretta*

Britain, Mediterranean, Florida

Mesocoeliidae ?,1???

@ non marine hosts

Cephalogonimidae Nicoll,1914 (or 1915?)

@ non marine hosts

Auridistomatidae ?,1???

@ non marine hosts

Calycodidae ?,19??

Calycodes Looss,1901

C. anthos ??,1???

@ *Caretta caretta*, *Dermochelys coriacea*
off SW Ireland, Mediterranean

Pachypsolidae ?,1???

@ marine turtles

Pachypsolus Looss,1901

* only genus in family.

Rhytidodidae ?,1???

@ intestine of marine turtles

* 2 genera.

Rhytidodes Loos,1901

Rhytidodoides Price,1939

R. similis ?Price,1939?

@ gall bladder of *Chelonia mydas*

?

Omphalometridae ?,1???

@ frogs & toads

Encyclometridae ?,1???

@ intestine of snakes

Cephaloporidae ?,19??

@ ovary of marine teleosts

Cephaloporus Yamaguti,1934

Plectognathotrema Layman,1930

Alloplectognathotrema ?,19??

Plectognathotrematoides ?,19??

Ochetosomatoidea Leao,1945

@ amphibians & reptiles, esp. snakes

Prosthogonimoidea Lühe,1909

@ birds & mammals

Dicrocoelioidea Odhner,1911

@ reptiles, birds & mammals

Renicoloidea Dollfus,1929 (or 1939?)

@ kidneys & ureters of birds; different kinds of cercariae in bivalves or fishes; all types of cercariae develop in sporocysts in marine prosobranchs

Renicolidae Dollfus,1929 (or 1939?)

Nephromonorcha Leonov,1958

= *Neorenicola* Odening,1962

@ piscivorous avian hosts

Renicola Cohn,1904

R. roscovita (Stunkard,1932)

@ kidneys of gulls & eider ducks; rediae & cercariae in *Littorina littorea* ; metacercariae

usually in bivalves, e.g. *Mytilus*, *Cerastoderma* & *Mya*

S. Baltic, Kattegatt, Bohuslän (e.g. Tjärnö area), S. North Sea, Roscoff

R. parvicaudata (Stunkard & Shaw,1931)

@ rediae & cercariae in *Littorina* spp.

* Is this identical to *Cercaria parvicaudata* :

Pondick,1986 infesting *Nucella lapillus* in New England?

Roscoff

R. thaidus (Stunkard,1932)

@ *Larus argentatus* ; cercariae in *Nucella* spp.;
metacercariae in *Mytilus edulis* &
Pectinidae.

Roscoff, Iceland, North America

R. glacialis Riley & Wynne Owen,1972

@ *Fulmaris glacialis*

North Sea

R. sp.

@ xiphidiocercariae in *Buccinum undatum*

Öresund

“*Cercaria*“ O.F. Müller,1773

C. littorinaesaxatilis Sannia & James,1977

@ xiphidiocercariae in *Littorina saxatilis tenebrosa*

Iceland

“*Metacercaria*“

M. nucellaelapillus Sannia & James,1977

@ encysted metacercariae in *Nucella lapillus*

Iceland

EUCOTYLATA ?,19??

* with single family Eucotyliidae Skrjabin,1924

@ kidneys & ureters of birds

ZOOGONATA ?,1???

Zoogonoidea Odhner,1911

Zoogonidae Odhner,1911

@ fishes; cercariae in gastropods; metacercariae in
marine bivalves, freshwater

gastropods, turbellarians or annelids

Diptherostomum Stossich,1904

= *Zoonogenus* Nicoll,1912

D. betencourti (Monticelli,1893)

@ *Scyliorhinus stellaris*

Belgium, France

D. brusinae (Stossich,1888)

= *Diptherostomum macrosaccum* Montgomery,1957

= *Diptherostomum anisotremi* Nahhas &

Cable,1964

= *Diptherostomum tropicum* Durio & Manter,1968

= *Diptherostomum israelense* Fischthal,1980

@ e.g. *Labrus berggylta* & *Blennius ocellaris*
?

D. vividum (Nicoll,1912) Bray & Gibson,1986

= *Zoonogenus vividus* Nicoll,1912

= *Zoogonides vividum* (Nicoll,1912)

@ *Pagellus bogaraveo*

British Isles

Koiea Bray & Campbell,1995 (™ *K. notacanthi*)

Bray & Campbell,1995 @ *Notacanthus chemnitzii*

- deep W Atlantic)

Overstreetia Bray,1985 (™ *O. sodwanaensis*)

Bray,1985 @ *Pranesus pinguis* - Natal)

Pseudozoogonoides Zhukov,1957

P. subaequiporus (Odhner,1911)

= *Zoogonoides subaequiporus* Odhner,1911

@ ?

?

Zoogonoides Odhner,1902

Z. viviparus (Olsson,1868) Odhner,1902

= *Cercaria capricosa* Cuénot,1892

?= *Cercaria limae* Nicoll & Small,1909

@ a variety of fish, e.g. *Microstomus*, *Pleuronectes*,
Pholis ; cercariae in *Buccinum*

undatum ; metacercariae in *Trochochaeta*

multisetosa, *Psammechinus miliaris*, at base of
buccal tentacles in

Leptosynapta spp. and chiefly between arm
vertebrae or in gonads or coelom wall of *Ophiura*
spp. &

Ophiothrix, or gastropods (e.g. *Hinia incrassata*,
Mangelia attenuata & *Oenopota turricola*) &
bivalves.

Öresund, Sweden, N. France, British Isles, W.

Greenland

Zoogonus Looss,1901

Z. rubellus (Olsson,1868)

@ *Labrus* spp., *Anarhichas* etc.; metacercariae in
sea urchins, e.g. in muscles of *Aristoteles*' lantern of

Psammechinus miliaris

Sweden, British Isles

Lecithostaphylus Odhner,1911

L. retroflexus (Molin,1859)

@ *Belone bellone*

?

Lepidophyllinae ?,19??

Brachyenteron Manter,1934

B. campbelli Bray & Gibson,1986

@ *Polyacanthonotus rissoanus*

NE Atlantic

B. pycnorganum (Rees,1953)

= *Steganoderma pycnorganum* Rees,1953

@ *Anarhichas lupus*

NE Atlantic

Deretrema Linton,1910

D. pycnorganum (Rees,1953)

= *Yamagutia anarhichae* Brinkmann,Jr, 1956 (™ of

Prolateroporus Yamaguti,1971)

@ gall bladder of *Anarhichas minor*

Iceland

D. (Luxitrema Bray,1987) (™ *D. philippinensis*

Beverley-Burton & Early,1982)

D. (Spinoderetrema Bray,1987) (™ *D. plotosi*

Yamaguti,1940)

Lepidophyllum Odhner,1902

L. appyi Bray & Gibson,1986

@ *Lycodes vahli*

Newfoundland

L. steenstrupi Odhner,1902

@ *Anarhichas* & *Zoarces*

Denmark, Sweden, Norway, Iceland

Limnoderetrema Bray,1987 (™ *Deretrema*

minutum Manter,1954)

Neosteganoderma Byrd,1964

N. glandulosum Byrd,1964, emend. Bray,1973

(™)

= *Proctophantastes polymixiae* Yamaguti,1970

@ *Beryx decadactylus*, *Polymixia lowei*

Biscay, Florida

Panopula Overstreet & Pritchard,1977

P. bridgeri Bray & Gibson,1986

@ *Polyacanthonotus rissoanus*

Ireland

P. spinosus (Zubchenko,1978)

= *Antorchis spinosus* Zubchenko,1978

@ ?

NE Atlantic

Proctophantastes Odhner,1911

P. abyssorum Odhner,1911 (™)

= *Steganoderma abyssorum* (Odhner,1911)

Manter,1947

= *Derotrema abyssorum* : Price,1934

@ *Coryphaenoides rupestris*, *Melanogrammus*

aeglefinus, *Trachyrhynchus trachyrincus*,

Coelorinchus caelorhinchus & *Lepidion eques*

Norway, Biscay

P. gillissi (Overstreet & Pritchard,1977)

@ ?

NE Atlantic

Steganoderma Stafford,1904

S. formosum Stafford,1904 (™)

@ *Hippoglossus vulgaris*

?

S. (Lecithostaphylus) retroflexum (Molin,1859)

= *S. (Lecithostaphylus) spondyliosomae*

(Fantham,1938)

@ ?

NE Atlantic

Steganodermatoides Parukhin & Lyadov,1979

S. maceri Bray & Gibson,1986

@ *Alepocephalus bairdii*

Iceland

Urinatrema Yamaguti,1934

Lissorchiidae Poche,1926

@ intestine of freshwater fish

Monorchioidea Odhner,1911

@ fishes; cercariae & metacercariae in bivalves

Monorchidae Odhner,1911

Lasiotocus Looss,1907

Monorchis Looss,1902

M. monorchis (Stossich,1890)

@ *Blennius gattoruginae*

British Isles

Opisthomonorchoides Parukhin,1966

Paratimonia ?Prévot & Bartoli,1967?

P. gobii Prévot & Bartoli,1967

?= *Cercaria myocerca* Villot,1879

@ *Pomatoschistus microps* ; cercariae in *Abra ovata*

& ?*A. tenuis* ; metacercariae in *Abra*

ovata & *Cerastoderma glaucum*

French Mediterranean & ?French Atlantic coast

Ancylocoelium Nicoll,1912

A. typicum Nicoll,1912

@ *Trachurus*

Scotland

Asymphyllodora Looss,1899

A. demeli Markowski,1935

@ *Hediste diversicolor*, *Gobius niger* &
Pomatoschistus spp.; cercariae in *Hydrobia* spp.;

metacercariae in *Cerastoderma glaucum*

(common in *Retusa obtusa* from Öresund sensu
Køie,1992)

Baltic, Belgium

“*Cercaria*“ O.F. Müller,1773

C. cerastodermæ I Sannia & James,1977

= *Cercaria lepidapedonracion* Lebour,1908, non
Cobbold,1858

@ *Cerastoderma edule* & *C. glaucum*

British Isles

C. myocercoides Pelseneer,1906

@ *Abra alba*

French Atlantic

C. nigrotincta Pelseneer,1906

@ *Abra alba*

French Atlantic

C. longicaudata Bartoli,1966

@ *Venus fasciata*

French Mediterranean

C. ophicerca ?Palombi,1934?

@ *Tapes decussatus* & *Venerupis aurea*

Mediterranean & Spanish Atlantic coast

Neopisthomonorchinae Varma,1982

Neopisthomonorchis Varma,1982 (™ *N.*

pristipomatis Varma,1982 @ *Pristipoma furcatum*
- Arabian Sea)

Octotestidae ?,1???

@ coelom of freshwater & marine fish

* monogeneric family

Octotestis Yamaguti,1951

TROGLOTREMATA ?,19??

@ mammals; cercariae in prosobranchs;
metacercariae in crustaceans & fishes

Troglotrematoidea Odhner,1914

Troglotrematidae Odhner,1914

Pholeter Odhner,1914

P. gastrophilus (Kossack,1910) Odhner,1914

= *Distomum gastrophilus* Kossack,1910

@ in cysts in mucous pyloric part of stomach in

Phocaena phocaena, *Tursiops truncatus* and other
whales

Baltic, Europe, Mediterranean

Paragonimidae Dollfus,1939

@ lungs of mammals (including *Homo*)

Nanophyetidae ?,1???

@ intestine of mammals (including *Homo*)

Collyriclidae ?,1???

@ skin of birds

ALLOCREADIATA Skrzjabin, Petrow &

Koval,1958

@ fishes or (rarely) amphibians; cercariae in

gastropods or Sphaeriidae; metacercariae in

arthropods, turbellarians, annelids or molluscs

Allocreadioidea Stossich,1904

Allocreadiidae Stossich,1904

Helicometra Odhner,1902

H. fasciata (Rudolphi,1819) Odhner,1902
@ a diversity of bottom-living fish species, e.g.
Labridae, Cottidae, *Gaidropsarus*
British Isles, Biscay

H. pulchella (Rudolphi,1819)
@ e.g. Triglidae & Labrideae
Plymouth, Mediterranean

Neophasis Stafford,1904

N. lageniformis (Lebour,1910)
@ *Anarhichas lupus* ; rediae & cercariae in
Buccinum undatum ; no 2:nd intermediate host
Öresund, Northumberland

Crepidostomum Braun,1900

C. farionis (Müller,1784)
@ e.g. *Salmo trutta*
Sweden, British Isles, Finland, France etc.

C. metoecus Braun,1900
@ *Trutta trutta* , *Salmo gairdneri*
Baltic

Batrachotrematidae Dollfus & Williams,1966
@ intestine of amphibians

Lepocreadioidea Odhner,1905
@ fishes; cercariae in prosobranchs; metacerc. in
molluscs, annelids or freeliving flatworms

Lepocreadiidae Odhner,1905

Aephniidiogenes Nicoll,1915

Cephalolepidapedon ?,19??

Proenenterum Manter,1954

Transversocreadium Hafeezullah,1970

Lepocreadiinae Odhner,1905

Dihaemistephanus Looss,1901

D. lydiae (Stossich,1896) Looss,1901
@ *Mola mola*
Scotland, Yorkshire, Engl. Channel, Biscay

Lepocreadium Stossich,1904

L. album (Stossich,1890) Stossich,1904
@ *Blennius gattorugine*, *Oblata melanura* &
Spondylisoma cantharus; *Hinia* spp., *Aplysia*
punctata (2:nd larvae); *Tapes decussatus*,
Venerupis aureus & *Phyllirhoe bucephala*
(3:rd larvae)
Gulf of Naples

Neopechona ?,19??

Opechona Looss,1907, emend. Bray &
Gibson,1990
= *Pharyngora* Lebour,1908 (™ *P. retractilis*
Lebour,1908 - Britain)

O. bacillaris (Molin,1859) Looss,1907
= *Distomum bacillare* Molin,1859 (™ - Adriatic)
= *Distomum increscens* Olsson,1868
= *Neopechona olssoni* (Yamaguti,1934)
= *Lepidapedon elongatum* Chernyshenko,1949
= *Leptocreadium guptai* Gupta & Gupta,1987
@ *Scomber* , *Capros aper*, *Spinachia*, *Merlangius*,
Clupea & *Cyclopterus* ; rediae & cercariae in *Hinia*
pygmaea ; metacercariae
in *Pleurobrachia pileus*, *Sagitta elegans*, *Sagitta*
setosa, *Tomopteris* & small medusae
S. Baltic, Öresund, Kattegatt, North Sea, British
Isles, Ireland, Portugal, Adriatic

= *Opechona retractilis* (Lebour,1908) Loos,1907
= *Pharyngora retractilis* Lebour,1908
@ *Merlangius merlangus* ; metacercariae in
Pleurobrachia pileus
British Isles

Prodistomum Linton,1910 emend. Bray &
Gibson,1990
= *Acanthocolpoides* Travassos, Freitas &
Buhrnheim,1965

P. polonii (Molin,1859) Bray & Gibson,1990
@ *Trachurus trachurus*
NE Atlantic, Mediterranean

Acanthogaleinae ?,19??, emend. Bray,1985

Acanthogalea ?,19??

Clavogalea Bray,1985 (™ *C. gaevskayae*
Bray,1985 @ *Trachinotus botla* - Natal)

Diploproctodaeinae Ozaki,1928

Bianium Stunkard,1930

= *Anterovitellosum* Gupta,1967

Diplocreadium Park,1939, emend. Bray, Cribb & Barker,1996

Diploporus Ozaki,1928

Diploprocta Mamaev,1970, emend. Bray, Cribb & Barker,1996

Diploproctodaeoides Reimer,1981, emend. Bray, Cribb & Barker,1996

Diploproctodaeum La Rue,1926, emend. Bray, Cribb & Barker,1996
= *Caecobiporum* Mamaev,1970

Lepidapedinae Yamaguti,1958

Gibsonia Gaevskaya & Rodyuk,1988

G. borealis Campbell,1992

@ *Macrourus berglax*

Newfoundland

Holorchis Stossich,1901

H. pycnopus Stossich,1901 (™ - Adriatic)

@ *Mullus surmuletus*

NE Atlantic, Mediterranean

Lepidapedon Stafford,1904

L. arlenae Bray & Gibson,1995

@ *Trachyrincus murrayi* & *T. scabrus*

NE Atlantic

L. beveridgei Campbell & Bray,1993

@ *Coryphaenoides mediterraneus* & *C. armatus*

NE Atlantic

L. cambrensis Srivastava,1966

@ *Ciliata mustela* & *Enchelyopus cimbrius*

NE Atlantic

L. desclersae Bray & Gibson,1995

@ *Lepidon eques*

NE Atlantic

L. discoveryi Bray & Gibson,1995

@ *Coryphaenoides armatus*

NE Atlantic

L. elongatum (Lebour,1908) Nicoll,1910

= *L. coelorhynchi* Yamaguti,1938

@ *Gadus morhua*

British Isles

L. gaevskayae Campbell & Bray,1993

@ *Coryphaenoides armatus*

NE Atlantic

L. guevarai Lopez-Roman & Maillard,1973

@ *Phycis blennoides*

NE Atlantic

L. mariannae Bray & Gibson,1995

@ *Gaidropsarus argentatus*

NE Atlantic

L. rachion (Cobbold,1858) Stafford,1904

= *Distomum rachion* Cobbold,1858

= *Lepodora rachiaea* : Odhner,1905

@ *Gadus morhua*, *Melanogrammus aeglefinus*,

Merlangius merlangus, *Pollachius* spp.,

Gymnacanthus tricuspis, *Aspitrigla cuculus*

British Isles, Biscay

L. sommervillae Bray & Gibson,1995

@ *Coryphaenoides guentheri*, *Trachyrincus*

murrayi, *Trachyrincus scabrus*

NE Atlantic

L. zubchenkoii Campbell & Bray,1993

@ *Coryphaenoides profundicolus* & *C. leptolepis*

NE Atlantic

Neolepidapedon Manter,1954

N. smithi Bray & Gibson,1989

@ *Mora moro*

NE Atlantic

Paralepidapedon Shimazi & Shimura,1984 (™

Lepidapedon leptognathi Yamaguti,1938)

P. williamsi Bray & Gibson,1988

@ *Cottunculus microps* & unidentified Cottoidei

Scotland

Postlepidapedon Zdzitowiecki,1993

(™ *Neolepidapedon opisthobifurcatus*

Zdzitowiecki,1990 - Antarctic)

Profundivermis Bray & Gibson,1991

P. intercalarius Bray & Gibson,1991 (™)
@ *Coryphaenoides (Nematonurus) armatus*
Porcupine abyssal plain

Homalometridae Cable & Hunninen,1942
@ intestine of marine & freshwater fishes

Homalometron Stafford,1904

Deropristiidae Cable & Hunninen,1942

Deropristis Odhner,1902

D. hispidum (Abildgaard, in Rudolphi,1819)
@ *Acipenser*
Belgium, Mediterranean

D. inflatum (Molin,1859)
@ *Anguilla.*; cercaria in *Bittium* ; metacercaria in
Neanthes virens.
Swedish Baltic, Bergen, Mediterranean

Pleorchiidae Poche,1926
@ intestine of marine fishes
* Monogeneric family.

Pleorchis Railliet,1896
= *Polyorchis* Stossich,1888, non A. Agassiz, in L.
Agassiz,1862 (Coelenterata)

Maseniidae Yamaguti,1954
@ intestine of freshwater fishes

Gorgocephalidae Manter,1966
@ intestine of marine teleosts
* monotypic family

Gorgocephalus Manter,1966 (™ *Gorgocephalus*
kyphosi Manter,1966 - S Australia)

OPECOELATEA Brooks, Bandoni, Macdonald &
O'Grady,1989
@ fishes, amphibians & turtles; cercariae in
prosobranchs or bivalves; metacercariae in
aquatic arthropods or fishes

Opecoeloidea Ozaki,1925

Opecoelidae Ozaki,1925
@ fishes; cercariae in prosobranchs

Opecoelinae Ozaki,1925

Allodecemtestis ?,19??

Anomalotrema Zhukov,1957

A. koiae Gibson & Bray,1984
@ *Rhinonemus cimbricus* & *Sebastes* spp.
Denmark, Scotland, Faeroes, Canada

Bathycreadium Kabata,1961

B. biscayense Bray,1973
@ *Trachyrhynchus trachyrincus* & *Coelorinchus*
caelorhynchus
Biscay

B. elongata (Maillard,1970) Bray,1973
= *Nicolla elongata* Maillard,1970
@ *Onos tricirratu*
Gulf of Lion

Cainocreadium Nicoll,1909

C. labracis (Dujardin,1845)
@ *Dicentrarchus labrax*
British Isles, Iberian Atlantic, Mediterranean

Caudotestis Issaitschikov,1928

Decemtestis Yamaguti,1934

Discoverytrema ?Gibson,1976?

Distomum Nitzsch,1817
= *Distoma* Retzius,1786

Fairfaxia Cribb,1989 (™ *F. lethrini* Cribb,1989 @
Lethrinus chrysostomus - Great Barrier Reef)

Gaevskajatrema Gibson & Bray,1982 (™
Peracreadium perezii Mathias,1926)

Hamacreadium Linton,1910

Neochaoanostoma Bray & Cribb,1989 (™ *N.*
avidabira Bray & Cribb,1989 @ *Gymnocranius*
bitorquatus - Queensland)

Neolebouria Gibson,1976, emend. Gibson &
Bray,1982

Orthodena Durio & Manter,1968

* Moved to this family by Bray & Cribb 1989

Pachycreadium Manter,1954

Peracreadium Nicoll,1909

= *Lebouria* Nicoll,1909

P. genu (Rudolphi,1819)

@ Labridae

British Isles, Sweden?

P. commune (Olsson,1868)

@ Labridae

British Isles, Sweden

Podocotyle Dujardin,1844

P. angulatum (Dujardin,1845)

= *Distoma angulatum* Dujardin,1845 (™)

= *Podocotyle staffordi* Miller,1941

@ ?

?

P. atherinae sp. inq. Nicoll,1914

@ *Atherina*

Plymouth

P. syngnathi Nicoll,1913

@ Syngnathidae

British Isles

P. atomon (Rudolphi,1802) Odhner,1905

@ intestine of a variety of fish, most often in *Myoxocephalus* ; cercaria in *Littorina* spp. &

Lacuna spp.;

metacercariae in Amphipoda (e.g. *Gammarus* spp.), *Idothea* & Mysidae

S. Baltic, Sweden (e.g. Tjärnö area), S. North Sea, British Isles, Iceland, N Norway, Greenland

P. reflexa (Creplin,1825) Odhner,1905

= *P. olssoni* Odhner,1905

@ e.g. *Gadus* & *Cyclopterus* ; cercaria (*Cercaria buccini* Lebour,1911) in *Buccinum* &

Nepunea ; metacercariae in shrimps, e.g. *Crangon allmani*

Öresund, Sweden, Helgoland, British Isles

Podocotyloides Yamaguti,1934

Propycnadenoides Fischthal & Kuntz,1964

Pycnadenoides Yamaguti,1938

Spinoplagioporus Skrjabin & Koval,1958

Tellervotrema Gibson & Bray,1982

T. armstrongi Gibson & Bray,1982 (™)

@ *Nezumia aequalis*

Scotland

Trematichtys Vaz,1932

Plagioporidae Manter,1947

Macvicaria Gibson & Bray,1982

M. alacris (Looss,1901)

= *Plagioporus alacris* (Looss,1901) (™)

@ Labridae

British Isles

M. soleae (Dujardin,1845) Gibson & Bray,1982

= *Distoma (Brachylaimus) soleae* Dujardin,1845

= *Plagioporus varius* (Nicoll,1910)

@ *Solea*, *Zeus*, Labridae, Pleuronectidae

British Isles

Pellamyzon Montgomery,1957

Plagioporus Stafford,1904

P. idoneus (Nicoll,1909)

@ *Anarhichas*

British Isles

P. tumidulus (Rudolphi,1819)

@ Syngnathidae

Europe (not British Isles)

P. nicolli (Issaitscikow,1928)

@ *Icelus bicornis*

Arctic Europe

Opecoelininae Gibson & Bray,1984

Opecoelina Manter,1934

Stenakrinae Yamaguti,1970

Pseudolepidapedinae Yamaguti,1971

Enenteridae Yamaguti,1958

* Correct superfamily?

Enenterinae Yamaguti,1958

Cadenatellinae Gibson & Bray,1982

Cadenatella Dollfus,1946

Jeancadenatia Dollfus,1946

Pseudozakia Machida & Araki,1977

Sphincteristomum Oshmarin, Mamaev & Parukhin,1961

Sphincterostoma Yamaguti,1966

Opistholebetidae

@ intestine of marine fishes, esp. in puffers.

Pseudopycnadena Saad-Fares & Maillard,1986
(TM *P. fischthali* Saad-Fares & Maillard,1986 @
Diplodus spp. - Lebanon)

Gorgoderoidea Looss,1901

@ poikilothermic vertebrates; cercariae in bivalves

Gorgoderidae Looss,1901

Anaporrhutum Ofenheim,1900

A. torpedoensis Khan & Begum,1991
@ *Torpedo marmorata*
Pakistan

Phyllodistomum Braun,1899

P. folium (von Olfers,1817)
@ *Gasterosteus aculeatus*
Sweden, British Isles, Germany

Callodistomatidae

@ liver, gall bladder, bile ducts & upper intestine of
freshwater & marine fishes.

Pirupalkia Puga & Figueroa,1989 (TM *P.*
queulensis Puga & Figueroa,1989 @ *Cilus montti*
-Chile)

Teratotrema Travassos, Artigas & Pereira,1928

Braunotrematidae

@ intestine of turtles

Microphalloidea Ward,1901

@ birds & mammals; cercariae in prosobranchs;
metacercariae in arthropods

Microphallidae Ward,1901

* ..Tallmark & Norrgren,1976 found an unidentified
Microphallidae in *Hinia reticulata* from
the Gullmar fjord.

Microphallus Ward,1901

M. similis (Jägerskiöld,1900)

= *Cercaria ubiquitoides* ??,19??

?= *Cercaria carcini* Lebour,1908

@ gulls & eider ducks; redia & cercaria in *Littorina*
saxatilis, *L. obtusata* & *Melaraphe neritoides* ;
metacercariae in *Carcinus maenas*
Sweden (e.g. Tjärnö area), Wadden Sea, Roscoff,
British Isles, N Norway

M. claviformis (Brandes,1888)

= *Cercaria corophii* Lebour,1908

@ a wide variety of crustacean-eating shore birds;
cercariae in *Hydrobia* spp. ;
metacercariae in cirripeds, isopods & amphipods,
e.g. *Corophium volutator*
S Baltic, Wadden Sea, British Isles

M. pygmaeus (Levinsen,1881)

@ e.g. gulls & eider-ducks; redia & cercaria in
Littorina littorea , *L. mariae*, *L. obtusata* & *L.*
saxatilis tenebrosa; lacking 2:nd intermediate
hosts
S. Baltic, Kattegatt, Bohuslän (Tjärnö area), German
North Sea coast, British Isles, Iceland, N Norway

M. bitti Prevot,1972

@ *Larus argentatus michaellis* Naumann; cercariae
in *Bittium reticulatum* ; metacercariae
in *Carcinus maenas*
French Mediterranean

M. orientalis Yurakhno,1968

@ intestine of *Odobenus rosmarus* & *Erignathus*
barbatus
Barents Sea, Sea of Okhotsk, Bering Sea

M. pseudopygmaeus Galaktionov,1980

@ *Somateria mollissima* ; cercaria in *Littorina* spp.
N Norway

M. piriformes Galaktionov,1983

= *M. pygmaeus* : (Odhner,1905), non

(Levinsen,1881)
@ *Somateria mollissima* ; cercaria in *Littorina* spp.;
lacking 2:nd intermediate hosts
Bohuslän (Tjärnö area), N Norway

M. primas (Jägerskiöld,1908)
@ stomach & intestine of *Pomatoschistus minutus*
Netherlands

M. papillorobustum ?,1???
@ birds, intermediate hosts : *Hydrobia stagnalis*,
Gammarus locusta, *Idothea chelipes*, *Sphaeroma*
rugicauda & *Sphaeroma hookeri*
* Is this identical to *Spelotrema papillorobustum*
Rebecq,1964?
S Baltic

Maritrema Nicoll,1907

M. subdolum (Jägerskiöld,1908)
= *Cercaria ubiquita* Lebour,1907
@ crustacean-eating shore birds, like waders, eider-
ducks & gulls; cercariae in *Hydrobia*
spp.; metacercariae in different amphipods (e.g.
Corophium volutator, *Gammarus*), isopods,
cirripedes & *Carcinus maenas*, but also in *Pholis*
gunellus
Baltic Sea, Kattegatt, Wadden Sea, British Isles,
Mediterranean

M. arenaria Hadlie & Castle,1940
?= *M. gratiosum* Nicoll,1907
= *Cercaria littorinae saxatilis* V
@ intestines of marine wading birds; cercariae in
Littorina saxatilis ; metacercariae
in *Semibalanus balanoides*
Ireland

M. misenensis A. Palombi,1940
@ *Larus argentatus michaellis* Naumann; cercariae
in *Cerithium vulgatum* & *C. rupestris* ;
metacercariae in amphipods, e.g. *Orchestia* spp..
French Mediterranean

Levinseniella Stiles & Hassall, in Ward,1901
= *Levinsenia* Stossich,1899, non Ménsil,1897
(Polychaeta)

L. brachysoma (Creplin,1837) Stiles &
Hassall,1902
= *Distoma brachysomum* Creplin,1837
= *Levinsenia brachysomum* : Stossich,1899
@ Oystercatchers, ducks & other Charadriiformes;

1:st intermediate host are *Hydrobia* -species, 2:nd
intermediate hosts are crustaceans, e.g. *Corophium*
volutator
S Baltic

L. propinqua Jägerskiöld,1907
@ *Haematopus ostralegus* & *Charadrius hiaticula* ;
intermediate hosts e.g. *Gammarus*
Baltic

“***Metacercaria*** “

M. margaritaegroenlandicus I Sannia &
James,1977
@ sporocysts & metacercariae in *Margarites*
groenlandicus
Iceland

Lecithodendriidae Odhner,1910
@ bats, (birds, fishes & amphibians)

Pleurogenes Looss,1896

Eumegacetidae Travassos,1922
@ rectum or cloaca of birds

Pleurogenidae Looss,1899
@ amphibians & reptiles

Allassogonoporidae Skarbilovich,1947
@ intestine of mammals, primarily bats

Stomylotrematidae Poche,1926
= Srivastavatrematidae Sing,1962
@ large intestine & cloaca of birds

Laterotrematinae Yamaguti,1958

Anenterotrematidae ?,1???
@ intestine of bats

Cortrematidae Yamaguti,1958
@ birds

OPISTHORCHIIDA

@ cercariae in prosobranchs; metacercariae in fishes

OPISTHORCHIATA

Opisthorchioidea Lühe,1901

Opisthorchiidae Lühe,1901
@ vertebrates (adults)

Opisthorchis Blanchard,1895

O. tenuicollis (Rudolphi,1819) Stiles & Hassall,1896

= *Distoma tenuicollis* Rudolphi,1819

@ bile ducts of e.g. *Phocaena phocaena*, *Erignathus barbatus* & *Halichoerus grypus*
Europe, Arctic Ocean

Pseudamphistomum Lühe,1909

P. truncatum (Rudolphi,1819) Lühe,1909

@ bile ducts of *Halichoerus grypus*, *Phoca hispida*, *Pagophilus groenlandicus* & *Phoca vitulina*
Europe, Greenland

Metorchis Looss,1899

M. albidus (Braun,1893) Lühe,1899

@ bile ducts of e.g. *Halichoerus grypus* & *Erignathus barbatus*
Europe

Heterophyidae (Leiper,1909) Odhner,1914

@ birds & mammals (adults); 1:rst intermediate host
: gastropods; 2:nd intermediate hosts : fishes

Galactosomum Looss,1899

= *Microlistrum* Braun,1909

G. lacteum (Jägerskiöld,1896)

@ *Phalacrocorax carbo*; larvae in Cottidae
Britain (Wembury Bay)

G. erinaceum (Poirier,1886) Bittner & Sprehn,1928

= *Distomum erinaceum* Poirier,1886

@ *Delphinus delphis* ; larvae in Cottidae
Europe

Levinseniella Stiles & Hassall, in Ward,1901

= *Levinsenia* Stossich,1899, non Mésnil,1897
(Polychaeta)

L. propinqua Jägerskiöld,1907

@ *Haematopus ostralegus* & *Charadrius hiaticula* ;
intermediate hosts e.g. *Gammarus*
Baltic

Spelotrema Jägerskiöld,1901

S. excellens Nicoll,1901

= *S. feriatum* Nicoll,1907

@ sea birds; intermediate hosts e.g. *Cancer* & *Carcinus*, *Hydrobia ulvae* & *Littorina littoralis*
Sweden, Scotland

S. papillorobustum Rebecq,1964

@ intermediate hosts e.g. *Gammarus*
Baltic

Phocitrema Goto & Ozaki,1930

P. fusiforme Goto & Ozaki,1930

@ *Phoca hispida*, *Callorhinus ursinus*, *Erignathus barbatus*, *Eumetopias jubatus* & *Phoca largha*
Arctic, N Pacific

Pricitrema Ciurea,1933

P. zalophi (Price,1932)

= *Apophallus zalophi* Price,1932

@ *Callorhinus ursinus*, *Zalophus californianus*, *Eumetopias jubatus* & *Mirounga angustirostris*
W North America

P. erignathi Yurakhno,1969

@ *Erignathus barbatus*
?

P. phocae Shults,1978

@ *Phoca vitulina*
North Pacific

P. eumetopii Shults,1978

@ *Eumetopias jubatus*
North Pacific

Cryptocotyle Lühe,1899

= *Tocotrema* Looss,1899

= *Dermocystis* Stafford,1905

C. lingua (Creplin,1825)

= *Distomum lingua* Creplin,1825

@ e.g. *Phoca* & sea birds; supplementary hosts: e.g. *Gobidae*, *Gadidae* & *Pleuronectidae*;
intermediate hosts: e.g. *Littorina* & *Hydrobia*
S. Baltic, Sweden (e.g. Tjärnö area), North Sea,
North Atlantic

C. concavum (Creplin,1825)

@ gulls, grey heron; cercariae in *Hydrobia ulvae* & *H. ventrosa* ; metacercariae in teleosts
S. Baltic, North Sea

C. jejuna (Nicoll,1907)

@ redshank, *Larus ridibundus*, cormorant; cercariae in *Hydrobia ulvae* & *H. ventrosa*
Denmark

Apophallus Lühe,1909 (™ *A. muehlingi* - in sea birds)
= *Rossicotrema* Skrjabin & Lindtrop,1919
= *Cotylophallus* Ransom,1920

A. donicus (Skrjabin & Lindtrop,1919) Price,1931
= *Rossicotrema donicus* Skrjabin & Lindtrop,1919
= *Rossicotrema simile* (Ransom,1920) Ciurea,1924
= *Cotylophallus venustus* Ransom,1920
@ *Phoca vitulina* & dog, cat & fox
Europe, N America

Phagicola Faust,1920

P. septentrionalis van den Broek,1967
@ *Phoca vitulina*
Europe

Haplorchinae Looss,1899

Cercarioides Witenberg,1929, emend. Pearson & Prevot,1985

Condylcotyla Pearson & Prevot,1985

C. pilodora Pearson & Prevot,1985 (™)
@ *Larus argentatus*; intermediate host *Belone belone*
Mediterranean France

Pygidiopsinae Yamaguti,1958

Pygidiopsis Looss,1907 (™ *P. genata* Looss,1907 (Egypt))

P. ardeae Køie,1990
= *Cercaria angularis* Honer,1960
= *P. genata* : Christensen & Roth,1949, non Looss,1907
@ *Ardea cinerea* (grey heron); cercariae & rediae in *Hydrobia* spp.; metacercariae in e.g. *Gasterosteus aculeatus*, *Pungitius pungitius*, *Pomatoschistus microps*
Denmark

Cryptogonimidae Ward,1917
@ intestine of fishes

Cryptogonimus Osborn,1903

Neoparacryptogonimus Hafeezullah,1975 (™
Paracryptogonimus ovatus (Yamaguti,1952))

Paracryptogonimus Yamaguti,1934

Acanthostomatidae Poche,1926
@ fishes & (rarely) reptiles (adults)

Acanthostomum Looss,1899

A. balthicum Reimer, Hildebrand, Scharberth & Walter,1996
@ *Syngnathus typhle*
Baltic

A. imbutiforme (Molin,1859)
@ *Limanda limanda*
S Baltic, Denmark

Ateuchocephalus Coil & Kuntz,1960

Atrophecaecum Bhalerao,1940

Caimanicola Teixeira de Freitas & Lent,1938

Gymnatrema Morozov,1955
= *Acanthostomum (Orientoacanthostomum)* Zaida & Khahn,1977

Protocaecum Baugh,1957

Timoniella Rebecq,1960

T. imbutiforme (Molin,1859) Brooks,1980
= *Acanthostomum imbutiforme* (Molin,1859)
@ *Dicentrarchus labrax*, *Pomatoschistus microps*
British Isles, Mediterranean

Pachytrematidae

@ gall bladder & bile duct of reptiles, birds & mammals

Ratziidae

@ definitive host unknown, intermediate hosts are prosobranchs & amphibian tadpole larvae

Tetracladiidae

@ intestine of marine shore birds

Tetracladium ?,1???

T. sterna Kulachkova,1954

@ *Sterna paradisaea*
Norway

Opisthovarium Cable, Connor & Balling, 1960

ACANTHOCOLPATA Brooks, O'Grady &
Glen, 1985, emend. Brooks, Bandoni, Macdonald &
O'Grady, 1989
@ cercariae in prosobranchs; metacercariae in fishes

Acanthocolpioidea Lühe, 1909

Acanthocolpidae Lühe, 1909
@ fishes (adults)

Acanthocolpus Lühe, 1906

Lepidauchen Nicoll, 1913

L. stenostoma Nicoll, 1913
@ *Labrus bergylta*; *Hinia incrassata* & *Pisania
maculosa* (metacercariae)
Plymouth, French Mediterranean

Neophasis Stafford, 1904 (TM *N. pusilla*
Stafford, 1904)

N. anarrhichae (Nicoll, 1909)
@ *Anarrhichus*
?

Stephanostomum Looss, 1899
=*Stephanochasmus* Looss, 1900

S. baccatum (Nicoll, 1907)
= *Cercaria neptunae* Lebour, 1911
@ *Myoxocephalus*, *Hippoglossus*, *Limanda* &
Eutrigla ;
cercariae in *Buccinum* & *Neptunea* ;
metacercariae in skin/muscles of Pleuronectidae.
Swedish westcoast, W. Norway, British Isles

S. caducum (Looss, 1901) Manter, 1934
@ *Gadus morhua* ; early development in *Natica
alderi* ; encysted cercariae below mouth epidermis
in Gobidae
British Isles

S. cesticillus (Molin, 1858)
@ *Zeus*
British Isles, Mediterranean

S. hystrix (Dujardin, 1845)

@ e.g. *Pollachius*, *Lophius* & *Pleuronectes*
?

S. lophii Quinteiro, Tojo, Nunez, Santamarina &
Sanmartin, 1993

@ *Lophius piscatorius* ; intermediate hosts
are *Lepidorhombus whiffiagonis*, *Microchirus
variegatus*, *Micromesistius poutassou* & *Trisopterus
luscus*
NW Spain

S. pristis (Deslongschamps, in Lamouroux, 1824)
@ Gadidae, e.g. *Gadus morhua*
S. Baltic, British Isles, Mediterranean

S. rhombispinosum (Lebour, 1908)
@ *Merlangius* & *Ciliata*
British Isles

S. triglae (Lebour, 1908)
@ Grey Gurnard
British Isles

Tormopsolus Poche, 1925

T. osculatus (Looss, 1901)
@ *Gaidropsarus*
Mediterranean?

Dihemistephanus Looss, 1901

D. lydiae (Stossich, 1896)
@ *Mola mola*
British Isles, Mediterranean

D. sturionis Little, 1930
@ *Acipenser*
British Isles

Campulidae Odhner, 1926
@ marine mammals (adults)

Campula Cobbold, 1858

C. oblonga Cobbold, 1858 (TM)
@ bile ducts of *Phocaena phocaena*
Denmark, Faeroes, Europe

C. delphini (Poirier, 1886) Bittner & Sprehn, 1928
= *Distomum delphini* Poirier, 1886
@ bile ducts of *Delphinus delphis*
Europe

C. palliata (Looss,1885) Looss,1901
= *Distomum palliatum* Looss,1885
@ bile ducts of *Delphinus delphis*
Europe

C. rochebruni (Poirier,1886) Bittner &
Sprehn,1928
= *Distomum rochebruni* Poirier,1886
@ bile ducts of *Delphinus delphis*
Europe

Hadwenius Price,1932
= *Synthesium* Stunkard & Alvey,1930
* Why are Fernandez, Balbuena & Raga,1994 using
the younger name in this synonymy?

H. subtila (Skrjabin,1959) Adams & Rausch,1989
= *Odhneriella subtila* (Skrjabin,1959)
@ intestine of *Globicephala melaena*
Faeroes

H. tursionis (Marchi,1873) Fernandez, Balbuena &
Raga,1994
= *Synthesium tursionis* (Marchi,1873) Stunkard &
Alvey,1930
= *Distomum tursionis* Marchi,1873
@ *Tursiops truncatus*
Europe, Mediterranean

Lecithodesmus M. Braun,1902

L. goliath (van Beneden,1858) Braun,1902
= *Distomum goliath* van Beneden,1858 (™)
@ liver of *Balaena* & *Balaenoptera*
Europe, Arctic

Orthosplanchninae Yamaguti,1958
= Odhneriellinae Yamaguti,1958

Leucasiella Krotov & Delyamure,1952

L. delamurei Raga & Balbuena,1988
@ *Globicephala melaena*
Spanish Mediterranean

Orthosplanchnus Odhner,1905
= *Odhneriella* Skrjabin,1915 (synonymy by Adams
& Rausch 1989)

O. arcticus Odhner,1905
@ gall bladder of *Phoca hispida*, *Erignathus
barbatus*, *Odobenus rosmarus* & *Pagophilus
groenlandica*

Spitzbergen, Greenland, White Sea, Kara Sea

O. fraterculus Odhner,1905
@ gall bladder of e.g. *Odobenus rosmarus*,
Erignathus barbatus & *Enhydra lutris*
Spitzbergen, N Pacific

O. rossicus (Skrjabin,1915)
= *Odhneriella rossica* Skrjabin,1915 (™ of
Odhneriella Skrjabin,1915)
@ bile ducts of *Odobenus rosmarus*
White Sea

Nasitremitidae
@ nasal cavities of whales

Nasitrema Ozaki,1935

N. spp.
@ different dolphin species, e.g. *Pseudorca
crassidens*, *Globicephala macrorhynchus*
* 9 species known 1970. Primary cause of single
whale strandings in California and Japan. Causes
cranial neuropathy.
California, Japan

? TAXA?

Gyliauchenidae
@ intestine of marine teleosts

Treptodemidae
@ intestine of marine fishes

Acanthocollaritrematidae
@ intestine of marine fishes

“Macrocerariae”
* Taxonomy & life cycle not known.

“***Cercaria***” O.F. Müller,1773

C. lophocera Rothschild,1938
@ gonads of *Hydrobia* spp.
Isefjord

C. pleurolophocera - group Rothschild,1938
@ gonads of male *Hydrobia ventrosa*
Isefjord

C. echinostoma - group Sewell,1???
@ gonads of *Hydrobia* spp.
Isefjord

C. ocellata La Valetta, 1???
@ gonads of female *Hydrobia ventrosa*
Isefjord

C. rhodometopa ?Pérez, 1924?
@ *Turritella communis*
Roscoff

C. pythionike Rothschild, 1935
@ gonads of *Turritella communis*
Plymouth

C. doricha Rothschild, 1935
@ gonads of *Turritella communis*
Plymouth

C. nicarete Rothschild, 1935
@ gonads of *Turritella communis*
Plymouth

C. herpsyllis Rothschild, 1935
@ gonads of *Turritella communis*
Plymouth

C. turritellae Hutton, 1955
@ gonad & digestive gland of *Turritella communis*
Plymouth

C. coronanda Rothschild, 1938
@ *Hydrobia ulvae*
Tamar Saltings

C. pirum Lebour, 1907
@ *Hydrobia ulvae*
Engl. Channel

C. cambrensis Cole, 1938
@ *Cerastoderma edule*
Millbrook Lake

“**Metacercaria**”

M. sp. : Ankel, 1962
@ *Hydrobia* spp.
Isefjord

CERCOMEROMORPHA Bychowsky

MONOGENEA van Beneden

Polystoma Delle Chiaje, 1822
* Which family?

P. loliginum Delle Chiaje, 1822
= *Solenocotyle chiaje* Diesing, 1850
@ large blood vessels of *Loligo vulgaris* & *Sepia officinalis*
Mediterranean

Larvae

“**Cercaria**” O.F. Müller, 1773

C. ephemera Lebour, 1912, non Nitzsch
* Belonging to *Notocotylus* sp.
@ 1:rst intermediate hosts: *Hydrobia* spp. Birds are final hosts.
S Baltic, Isefjord

C. misenensis Palombi, 1940
@ *Hydrobia* spp.
Isefjord

C. ubiquita - group Sewell, 19??
@ *Hydrobia* spp.
Isefjord

MONOPISTHOCOTYLEA Odhner, 1912

Gyrodactyloidea van Beneden & Hesse, 1863

Gyrodactylidae van Beneden & Hesse, 1863
= Ooegyrodactylidae Harris, 1983

Isancistrum de Beauchamp, 1912
@ On squids.
* Typical size 0.2 mm.

I. loliginis de Beauchamp, 1912
@ gills of *Alloteutis subulata*
Plymouth

I. subulatae Llewellyn, 1984
@ arms & tentacles of *Alloteutis subulata*
Plymouth

I. sp. : Llewellyn, 1984
@ *Loligo vulgaris* & *L. forbesi*
?Plymouth

Gyrodactylus Nordmann, 1832
@ Teleosts
* Typical size 0.5 mm

G. aeglefini Bychowsky & Poljansky, 1953?
@ *Melanogrammus aeglefinus*

Tromsö

G. anguillae Ergens,1960

@ *Anguilla anguilla*

Baltic-Gullmarn

G. arcuatus Bychowsky sensu Bychowsky & Poljansky,1953

@ *Gasterosteus aculeatus* & temporarily other teleosts

Baltic-Gullmarn, Tromsö

G. branchius Malmberg,1964

@ *Gasterosteus aculeatus*

Baltic-Gullmarn, Tromsö

G. callariatis Malmberg,1957

@ *Gadus morhua*

Oslo fjord

G. cryptarum Malmberg,1970

@ *Gadus morhua*

Tromsö

G. derjavini Mikailov,1975

@ *Salmo* & *Trutta*

Norwegian rivers

G. emambranatus Malmberg,1970

@ *Gadus morhua*

Baltic-Gullmarn, Tromsö

G. errabundus Malmberg,1970

@ *Zoarces viviparus* & other temporary fish hosts

Baltic-Gullmarn, Tromsö

G. flesi Malmberg,1957

@ *Platichthys flesus* & temporary *Pleuronectes platessa*

Baltic-Gullmarn

G. flexibiliradix Malmberg,1970

@ *Platichthys flesus*

Baltic-Gullmarn

G. gasterostei Glaser,1974

* *Gasterosteus aculeatus*

?

G. groenlandicus Levinsen,1881

@ gills of *Myoxocephalus scorpius*

Greenland (Egedesminde)

G. medius Kathariner,1894

@ gills & skin of *Ciliata mustela* & *Gaidropsaurus tricirratus*

Plymouth

G. perlucidus Bychowsky & Poljansky,1953

@ *Zoarces viviparus*

Baltic-Gullmarn, Tromsö

G. pharyngicus Malmberg,1964

@ *Gadus morhua* & *Melanogrammus aeglefinus*

Baltic-Bohusl., Tromsö

G. pungitii Malmberg,1964

@ *Pungitius pungitius* & temporarily *Spinachia* & *Gasterosteus*

Baltic-Gullmarn

G. rarus (Wegener,1910)

@ *Pungitius pungitius* & temporary *Spinachia spinachia*

Baltic-Gullmarn, Plymouth,

G. robustus Malmberg,1957

@ *Platichthys flesus*

Baltic

G. salaris Malmberg,1957 “Laxdjävulen”

@ “smolt” of *Salmo salar*

W Swedish & Norwegian rivers

G. syngnathi Appleby,1996

@ *Syngnathus rostellatus*

Oslofjord

G. unicopula Glukhova,1955

@ *Pleuronectes platessa*

NW. Scotland, ?Plymouth

G. unipons Malmberg,1970

@ *Pleuronectes platessa*

Bohusl., Tromsö

G. sp.

@ *Aspitrigla cuculus*

British Isles

G. sp.

@ *Molva molva*

British Isles

G. sp.

@ *Pomatoschistus minutus*

British Isles

- G. sp.**
@ *Pomatoschistus norvegicus*
British Isles
- G. sp.**
@ *Trisopterus minutus*
British Isles
- Gyrodactyloides** Bykhovskii,1947, emend. Palson & Beverley-Burton,1983
- Laminiscus** Palson & Beverley-Burton,1983
(TM *Gyrodactyloides gussevi* Bykhovskii & Polyanskii,1953 @ *Mallotus villosus* - NW Atlantic)
- Dactylogyroidea Bychowsky,1933
- Dactylogyridae Bychowsky,1933
- Allomurraytrema** ?,19??
* Correct family?
- Amphibdella** Chatin,1874
- A. torpedinis** Chatin,1874
@ gills & in the branchial cavity of *Torpedo marmorata*
Mediterranean
- A. flavolineata** MacCallum,1916
@ gills of *Torpedo nobiliana*
Irish Sea
- Amphibdelloides** Price,1937
- A. maccallumi** (Johnston & Tiegs,1922)
@ gills of *Torpedo nobiliana*
Irish Sea
- Dactylogyrus** Diesing,1850
* Marine species few.
- Linguadactyla** Brinkmann,1940
- L. molvae** Brinkmann,1940
@ gills of *Molva dipterygia*
* Drawing in Möller & Anders,1986. Typical size 4 mm.
Bergen
- Mexicana** Caballero & Bravo-Hollis,1959, emend. Luque, Amato & Takemoto,1992
- Metahaliotrema** Yamaguti,1953
- Protancyrocephaloides** Burn1978 (TM *Protancyrocephaloides liopsettae* Burn,1978 @ *Liopsetta putnami* - New Hampshire)
- Pseudohaliotrema** Yamaguti,1953
- Pseudodiplectanum** Tripathi,1955
- P. kearni** Oliver,1980
@ *Microchirus variegatus*
Plymouth
- Diplectanidae Bychowsky,1957
- Calydiscoides** Young,1969
- Cycloplectanum** Oliver,1968
- Diplectanum** Diesing,1858
- D. aequans** (Wagener,1857)
@ gill tissue of *Dicentrarchus labrax*
Norway, British Isles, Belgium
- D. bocqueti** Oliver,1980
@ Sciaenidae
Biscay
- D. chabaudi** Oliver,1980
@ Sciaenidae
Biscay
- D. dollfusi** Oliver,1980
@ Sciaenidae
Biscay
- D. sciaenae** van Beneden & Hesse,1863
@ *Sciaena aquila*
Belgium
- Heteroplectanum** Rakotofiringa, Oliver & Lambert,1987 (TM *Heteroplectanum nenuoides* Rakotofiringa, Oliver & Lambert,1987 @ Sparidae - Madagascar)
- Lamellodiscus** Johnston & Tiegs,1922
- Lamellospina** Karyakarte & Rekha-Das,1978
(TM *Lamellospina indiana* Karyakarte & Rekha-Das,1978 @ *Nemipterus japonicus* - India)
- Lamellodiscoides** Yamaguti,1963

= *Pseudolamellodiscoides* Gupta & Krishna,1969

Pseudorhabdosynochus Yamaguti,1958

Calceostomatidae Parona & Perugia,1890

Calceostoma van Beneden,1858

C. calceostoma (Wagener,1857)

= *Calceostoma herculeana* Euzet & Vala,1975

@ *Sciaena aquila*

Belgium

C. sp.

@ *Argyrosomus regius*

British Isles

Neocalceostomoides ?,19??

Ancyrocephalidae Bychowsky,1937

Ancyrocephalus Creplin,1839

Ancyrocephaloides Yamaguti,1938

Bravohollisia Bychowsky & Nagibina,1970

Caballeria Bychowsky & Nagibina,1970

Chauhanellus Bychowsky & Nagibina,1969

Ergenstrema Paperna,1964

E. labrosi Anderson,1981

@ *Chelon labrosus*

Plymouth

Furcohaptor Bijukumar & Kearns,1996 (™

Furcohaptor cynoglossi Bijukumar & Kearns,1996

@ *Cynoglossus macrostomus* - Kerala

Haliotrema Johnston & Tieggs,1922

Hamatopeduncularia Yamaguti,1953

Ligophorus Euzet & Suriano,1977

L. angustus Euzet & Suriano,1977

@ *Chelon labrosus*

British Isles

Pseudodactylogyrus ?Gussev?,1965?

P. anguillae (Yin & Sproston,1948)

= *P. microrchis* Ogawa & Egusa,1976

@ *Anguilla anguilla* & *A. japonica*

S. Baltic, W Swedish coastal waters, Denmark, S Br. Isles, France, China

P. bini (Kikuchi,1929)

@ *Anguilla anguilla*

S. Baltic, Denmark, W Swedish coastal water, England, Australasia

Salsuginus Beverley-Burton,1984

Rhamnocercidae ?,19??

Rhamnocercus Monaco, Wood & Mizelle,1954

Rhamnocercoides Luque & Iannacone,1992

(™ *Rhamnocercoides menticirrho* Luque &

Iannacone,1992 @ *Menticirrhus ophicephalus* - Peru)

Capsaloidea Baird,1853

Microbothriidae Price,1936

Microbothrium Olsson,1869

M. apiculatum Olsson,1869

@ *Squalus acanthias*

Skagerrak, British Isles

M. centrophori Brinkmann,1940

@ caudal fin of *Centrophorus squamosus*

* Drawing in Möller & Anders,1986. Typical size 3 mm.

Bergen

M. fragile Olsson,1869

@ dorsal surface of *Raja batis*.

* This is badly described (a nomen nudum) and may be identical with *Micropharynx*

parasitica Jägerskiöld,1896

Skagerrak

Leptobothrium Gallien,1937

L. pristiuri (Gallien,1937)

@ the skin of *Pristiurus melanostomus*

SW of Ireland

Leptocotyle Monticelli,1904

L. minor (Monticelli,1888)

@ skin of *Scyliorhinus canicula* & *S. stellaris*

* Drawing in Möller & Anders,1986. Typical size 2 mm.

Bohuslän (on *S. canicula* in captivity in the tanks of “Havets Hus”, Lysekil infested summer 2000, of which a few died, possibly caused by a secondary bacterial infection), Engl. Channel, Irish Sea

Pseudocotyle van Beneden & Hesse,1865

P. squatinae van Beneden & Hesse,1865

@ *Squatina squatina*

Engl. Channel, Irish Sea

P. lepidorhini Guiart,1938

@ *Lepidorhinus squamosus*

?

Monocotylidae Taschenberg,1879

????inae

Dictyocotyle Nybelin,1941, emend. Chisholm, Wheeler & Beverley-Burton,1995

D. coeliaca Nybelin,1941

@ coelom of *Raja lintea*, *R. naevus* & *R. radiata*

* Drawing in Möller & Anders,1986. Typical size 12 mm.

North Sea, British Isles

Monocotylinae Taschenberg,1879

= Dendromonocotylinae Hargis,1955

Monocotyle Taschenberg,1878

Clemacotyle Young,1967

Dendromonocotyle Hargis,1955

Heterocotylinae Chisholm, Wheeler & Beverley-Burton,1995

Heterocotyle Th. Scott,1904, emend. Chisholm & Whittington,1996

H. pastinacae Th. Scott,1904

@ *Trygon pastinaca*

Scotland

Neoheterocotyle Hargis,1955

Nonacotyle Ogawa,1991

Potamotrygonocotyle Mayes, Brooks &

Thorson,1981

Spinuris Doran,1953

Calicotylinae Monticelli,1903, emend. Chisholm, Wheeler & Beverley-Burton,1995

Calicotyle Diesing,1850

C. kroyeri Diesing,1850

@ the cloaca of *Raja* spp. (but evidently not in females containing eggs in uteri) & ? *Chimaera monstrosa*

* Drawing in Möller & Anders,1986. Typical size 3 mm.

Kattegatt, Norway, France, British Isles

C. affinis Th. Scott,1911

@ gills & rectal ampulla of *Chimaera monstrosa* Bergen, Scotland

Merizocotylinae Johnston & Tiegs,1922, emend. Chisholm, Wheeler & Beverley-Burton,1995

Merizocotyle Cerfontaine,1894

= *Thaumatocotyle* Th. Scott,1904

= *Mycteronastes* Kearns & Beverley-Burton,1990

M. concinna (Th. Scott,1904)

= *Thaumatocotyle concinna* Th. Scott,1904

@ *Trygon pastinaca*

Scotland

M. undulatae (Kearns & Beverley-Burton,1990)

= *Mycteronastes undulatae* Kearns & Beverley-Burton,1990

@ nasal cavity of *Raja undulata* Lacépède off Arcachon, off Lisbon

M. diaphana Cerfontaine,1894

@ *Raja batis*

Belgium

M. minor Cerfontaine,1898

@ *Raja* sp.

Roscoff

Squalotrema Kearns & Green,1983, emend. Chisholm, Wheeler & Beverley-Burton,1995

S. llewellyni Kearns & Green,1983

@ nasal fossae of *Squalus acanthias*

Plymouth

Empruthotrema Johnston & Tiegs,1922, emend.
Chisholm, Wheeler & Beverley-Burton,1995

E. raiae (MacCallum,1916)
@ *Raja brachyura*, *R. clavata*, *R. microocellata*, *R. montagui* & *R. naevus*
British Isles

Decacotylinae Chisholm, Wheeler & Beverley-Burton,1995

Decacotyle Young,1967

Papillicotyle Young,1967

Dasybatotreminae Bychowsky,1957

Dasybatotrema Price,1938

Timofeevia Chisholm, Wheeler & Beverley-Burton,1995 (™ *Dasybatotrema rajae* (Timofeeva 1983))

Capsalidae Baird,1853

Allometabenedeniella Velasquez,1982 (™
Allometabenedeniella plataxi Velasquez,1982 @
Platax orbicularis - Philippines)

Alloencotyllabe Khalil & Abdul-Salam,1988 (™
A. caranxi Khalil & Abdul-Salam,1988 @ *Caranx*
- Persian Gulf)

Benedenia Diesing,1858

B. sciaenae (van Beneden,1852)
@ *Sciaena aquila*
Belgium

B. monticelli (Parona & Perugia,1895)
@ *Mugil auratus*
Mediterranean

Caballerocotyla ?,19??

Capsala Bosc,1811

C. martinieri Bosc,1811
@ skin of *Mola mola*
* Drawing in Möller & Anders,1986. Typical size 22 mm.
Atlantic and Pacific Oceans, British Isles

C. cephalae (Risso,1826)

@ "*Tetraodon luna*" & *Mola mola*
European waters

C. cutanea (Guiart,1938)
@ gills of *Mola mola*
Atlantic Ocean, Mediterranean

C. mola (E. Blanchard,1847)
@ *Mola mola*
Atlantic ocean (e.g. the North Sea)

Capsaloides Price,1938

Encotyllabe Diesing,1850

E. nordmanni Diesing,1850
@ e.g. *Brama rayi*
Mediterranean

E. pagelli van Beneden & Hesse,1863
@ mouth of *Pagellus centrodontus*
Belgium,Ireland

Entobdella de Blainville,1818

E. hippoglossi (O.F. Müller,1776)
= *Entobdella squamula* (Heath,1902)
= *Entobdella steingroeveri* (Cohn,1916)
= *Entobdella brattstroemi* Brinkmann,1952
= *Entobdella curvunca* Ronald,1957
= *Entobdella rosaceus* Crane,1972
@ skin of *Hippoglossus hippoglossus*
* Drawing in Möller & Anders,1986. Typical size 14 mm.
Denmark, Greenland, British Isles

E. soleae (van Beneden & Hesse,1863)
@ skin of *Solea solea*
* Drawing in Möller & Anders,1986. Typical size 5 mm.
Belgium, France, British Isles

E. diadema (Monticelli,1902)
@ *Dasyatis pastinaca*
British Isles

Megalocotyle Folda,1928

M. rhombi (van Beneden & Hesse,1863)
@ gills of *Rhombus maximus*
Brest

Metabenedeniella Yamaguti,1958

Nasicola Yamaguti,1968

N. hogansi Wheeler & Beverley-Burton,1987
@ *Thunnus thynnus*
NW Atlantic

Neobenedenia ?,19??

Tristoma Cuvier,1817

T. coccineum Cuvier,1817
@ gills of *Xiphias gladius*
Europe?

T. integrum Diesing,1850
@ gills of *Xiphias gladius*
Europe?

T. papillosum Diesing,1836
@ *Mola mola* & *Xiphias gladius*
Mediterranean

T. uncinatum Monticelli,1889
@ ?*Pleuronectes* sp.
?

Tristomella ?,19??

Trimusculotrema Whittington & Barton,1990 (™
Benedenia micracantha Euzet & Maillard,1967)

Trochopus Diesing,1850

T. tubiporus (Diesing,1836)
@ *Trigla hirundo*
Belgium, British Isles

T. diplacanthus Massa,1903
@ *Trigla hirundo*
Irish Sea

T. gaillimhe Little,1929
@ *Trigla hirundo* & *T. lucerna*
* Drawing in Möller & Anders,1986. Typical size 5 mm.
W. of Ireland

T. lineatus Th. Scott,1901
@ *Trigloporus lastoviza*
Scotland

T. pini (van Beneden & Hesse,1863)
@ *Trigla lucerna*
Belgium, British Isles

Interniloculinae Suriano & Beverley-Burton,1979

Interniloculus Suriano & Beverley-Burton,1979
(™ *Interniloculus chilensis* Suriano & Beverley-Burton,1979 @ *Helicolenus lengerichi* - Chile)

Encotyllabinae

Alloencotyllabe Khalil & Abdul-Salam,1988 (™
A. caranxi Khalil & Abdul-Salam,1988 @ *Caranx*
- Persian Gulf)

Encotyllabe Diesing,1850

E. nordmanni Diesing,1850
@ e.g. *Brama rayi*
Mediterranean

E. pagelli van Beneden & Hesse,1863
@ mouth of *Pagellus centrodontus*
Belgium,Ireland

Neoencotyllabe Gupta & Krishna,1980

Acanthocotyloidea Price,1936

Acanthocotylidae Price,1936

Acanthocotyle Monticelli,1888

A. verrilli Goto,1899
= *A. borealis* Brinkmann,1940
@ ventral surface of *Raja radiata*
* Drawing in Möller & Anders,1986. Typical size 3 mm.
Bergen

A. elegans Monticelli,1890
@ *Raja clavata* & *Raja miraletus*
British Isles, Mediterranean

A. greeni Macdonald & Llewellyn,1980
@ *Raja clavata*
British Isles

A. lobianchi Monticelli,1888
= *A. monticellii* Th. Scott,1902
@ *Raja brachyura*, *R. clavata*, *R. microocellata*, *R. montagui* & *R. naevus*
Belgium, British Isles

Lophocotylineae Yamaguti,1963

Lophocotyle Braun,1896

Myxinidocotylinae Malmberg & Fernholm,1989

Myxinidocotyle Malmberg & Fernholm,1989
(TM *Myxinidocotyle californica* Malmberg & Fernholm,1989 @ *Eptatretus stoutii* - California)

Enoplocotylidae Malmberg,1990

Enoplocotyle Tagliani, in Lo Bianco,1909

E. minima Tagliani,1912

@ ?

Portugal

POLYOPISTHOCOTYLEA Odhner,1912

Polystomatoidea Gamble,1896

Hexabothriidae Price,1942

Callorhynchocotyle Suriano & Incorvala,1982

Hexabothrium Nordmann,1832

H. appendiculatum (Kuhn,1829)

= *H. canicula* Cerfontaine,1899

@ gills of *Scyliorhinus canicula* & *S. stellaris*

* Drawing in Möller & Anders,1986. Typical size 4 mm.

British Isles, Roscoff

H. musteli (MacCallum,1931) Price,1942

@ gill cavities of *Mustelus mustelus*

Canaries

Erpocotyle van Beneden & Hesse,1863

= *Squalonchocotyle* Cerfontaine,1899

E. squali (MacCallum,1931)

@ *Squalus acanthias*

British Isles

E. borealis (van Beneden,1853)

@ gills of *Scymnus glacialis*

* Drawing in Möller & Anders,1986. Typical size 25 mm.

Belgium

E. abbreviata (Olsson,1876)

@ gills of *Squalus acanthias*

Skagerrak, Roscoff

E. canis (Cerfontaine,1899)

= *Squaloncotyle canis* Cerfontaine,1899

@ gills of *Galeus canis*

Roscoff

E. galeorhini (Price,1942)

@ gills of *Mustelus asterias*

Rio de Oro

E. grisea (Cerfontaine,1899)

= *Squaloncotyle grisea* Cerfontaine,1899

@ gills of *Hexanchus griseus*

W. of Ireland

E. licha (Rees & Llewellyn,1941)

= *Squaloncotyle licha* Rees & Llewellyn,1941

* a nomen nudum

@ gills of *Scymnorhinus licha*

W. of Ireland

E. vulgaris (Cerfontaine,1899)

= *Squaloncotyle vulgaris* Cerfontaine,1899

@ gills of *Mustelus vulgaris*

Roscoff, North Sea

E. laevis van Beneden & Hesse,1863 (TM)

@ *Mustelus mustelus* & *Galeorhinus galeus*

British Isles, Belgium

Pseudohexabothrium Brinkmann,1952

Rajonchocotyle Cerfontaine,1899

R. batis Cerfontaine,1899

@ gills of *Raja batis*

Skagerrak, British Isles, Ostende, Ireland

R. alba Cerfontaine,1899

@ gills of *Raja alba*

Roscoff

R. blanda Sproston,1946

@ gills of *Raja brachyura*

Roscoff

R. emarginata (Olsson,1876)

= *R. clavata* Bracey MS in Sproston,1946

@ *Raja clavata*, *R. brachyura*, *R. microocellata*, *R. montagui* & *R. naevus*

Swedish west-coast, British Isles

R. miraletus Rees & Llewellyn,1941

* nomen nudum

@ gills of *Raja naevus*

W. coast of Ireland

R. prenanti (Saint Remy,1890)

@ gills of *Raja oxyrhynchus*

* Drawing in Möller & Anders,1986. Typical size 8 mm.

Roscoff

Rhinobatonchocotyle Doran,1953

Chimaericoloidea Brinkmann,1942

Chimaericolidae Brinkmann,1942

Chimaericola Brinkmann,1942

C. leptogaster (F.S. Leuckart,1830)

@ gills of *Chimaera monstrosa* Linnaeus,1758 and

Hydrolagus mirabilis Collett,1940

* Drawing in Möller & Anders,1986. Typical size 40 mm.

Bohuslän, Skagerrak, North Sea

Diclidophoroidea Fuhrmann,1928

Mazocraeidae Price,1936

Cribromazocraes Mamaev,1981

Grubea Diesing,1858

G. cochlear Diesing,1858

@ gills of *Scomber scombrus*, preferably on the inner hemibranch of the 4:th gill arch

* Drawing in Möller & Anders,1986. Typical size 5 mm.

Skagerrak, Plymouth, Portugal, Mediterranean

Kuhnia Sproston,1945

K. scombri (Kuhn,1829) Sproston,1945

@ gills of *Scomber scombrus*

* Drawing in Möller & Anders,1986. Typical size 4 mm.

Skagerrak, North Sea area, Ireland, Plymouth, Portugal

K. sprostonae Price,1961

@ pseudobranchs & gills of *Scomber scombrus*

Skagerrak, North Sea, Ireland, Plymouth

K. bramae (Parona & Perugia,1896)

@ gills of *Brama rayi*

Mediterranean

Mazocraeoides Price,1936

Mazocraes Hermann,1782

M. alosae Hermann,1782

@ gills of *Alosa* spp.

* Drawing in Möller & Anders,1986. Typical size 11 mm.

British Isles, North Sea

M. pilchardi (van Beneden & Hesse,1863)

@ *Clupea pilchardus*

Belgium

Ophicotyle van Beneden & Hesse,1863

* a genus inquirendae

O. fintae van Beneden & Hesse,1863

@ gills of *Alosa fintae*

Belgium

Pseudanthocotyloides Euzet & Prost,1969

P. harengi (van Beneden & Hesse,1863)

= *Mazocraes harengi* (van Beneden & Hesse,1863)

= *Pseudanthocotyloides heterocotyle* (van Beneden,1871)

@ gills of *Sprattus sprattus* & *Clupea harengus*

Swedish west coast, Belgium, British Isles, Mediterranean

Pseudokuhnia Rohde & Watson,1985 (™ *Kuhnia*

minor Goto,1894 @ *Scomber*)

Plectanocotylidae Poche,1926

= Discocotylidae Price,1936

Discocotyle Diesing,1850

D. sagittata (Leuckart,1842)

@ Salmonidae

* Drawing in Möller & Anders,1986. Typical size 7 mm.

NW Europe

Plectanocotyle Diesing,1850

P. gurnardi (van Beneden & Hesse,1863)

@ gills of *Eutrigla gurnardus*, *Aspitrigla cuculus*,

Trigla lucerna & *Trigloporus lastoviza*

Norway, Belgium, British Isles

Octoplectanocotylinae Price,1961

Octoplectanocotyle Yamaguti,1937 (™ *O. trichiuri*

Yamaguti,1937 - Japan)

O. aphanopi Pascoe,1987
@ *Aphanopus carbo* Lowe,1839
Rockall Trough

Anthocotylidae Price,1936

Anthocotyle van Beneden & Hesse,1863

A. merluccii van Beneden & Hesse,1863
@ gills of *Merluccius merluccius*
* Drawing in Möller & Anders,1986. Typical size 12 mm.
Belgium, British Isles

Diclidophoridae Fuhrmann,1928

Diclidophora Krøyer,1838
= *Diclidophora* Diesing,1850
= *Dactylocotyle* van Beneden & Hesse,1863
= *Octodactylus* Dalyell,1853

D. esmarkii Th. Scott,1901
@ gills of *Trisopterus esmarkii*
* Typical size 4 mm.
British Isles

D. denticulata (Olsson,1876)
@ gills of *Pollachius virens*
* Drawing in Möller & Anders,1986. Typical size 10 mm.
Skagerrak, British Isles

D. luscae (van Beneden & Hesse,1863)
@ gills of *Trisopterus luscus*
* Typical size 5 mm.
Engl. Channel, North Sea, Spain

D. merlangi (Kuhn, in Nordmann,1832)
@ gills of *Merlangius merlangus*
* Drawing in Möller & Anders,1986. Typical size 9 mm.
North Sea area, British Isles, Irish Sea

D. minor (Olsson,1868)
@ gills of *Micromesistius poutassou*
* Drawing in Möller & Anders,1986. Typical size 5 mm.
Skagerrak, Bergen, British Isles

D. morrhuae (van Beneden & Hesse,1863)
@ gills of *Gadus morhua*
Belgium, Ireland

D. palmata (Leuckart,1830)
@ gills of *Molva molva*
Bergen, British Isles

D. phycidis (Parona & Perugia,1889)
= *Dactylocotyle phycidis* Parona & Perugia,1889
@ gills of *Phycis blennoides* Brünnich,1768
* Typical size 5 mm.
British Isles

D. pollachii (van Beneden & Hesse,1863)
@ gills of *Pollachius pollachius*
* Drawing in Möller & Anders,1986 (as *Dactylocotyle*). Typical size 10 mm.
Belgium, British Isles

Cyclocotyla Otto,1823

C. chrysophryi (van Beneden & Hesse,1863)
@ gills of *Pagellus bogaraveo*
British Isles, Belgium

Choricotyle van Beneden & Hesse,1863

C. labracis (Cerfontaine,1895)
@ gills of *Labrax lupus*
North Sea

C. pagelli (Gallien,1937)
@ gills of *Pagellus centrodontus*
W. coast of Ireland

C. chrysophori ?,1???
@ Gadidae
* Drawing in Möller & Anders,1986. Typical size 5 mm.
NW Europe

Diclidophoropsis Gallien,1937

D. tissieri Gallien,1937
@ gills of *Macrurus laevis*
* Drawing in Möller & Anders,1986. Typical size 6 mm.
Off SW Ireland

Macrouridophora Rubec & Dronen,1994

M. halargyrea Rubec & Dronen,1994
@ *Halargyreus johnsonii*
Faeroes

M. macruri (Brinkmann,1942) Rubec &

Dronen,1994
= *Dactylocotyle macruri* Brinkmann,1942 (™)
= *Diclidophora macruri* (Brinkmann,1942)
@ gills of *Coryphaenoides rupestris* Gunnerus,1765
* Drawing in Möller & Anders,1986. Typical size 2 mm.
Skagerrak, NW Atlantic

Paracycloctyla ?Dollfus,1970?

P. cherbonnieri Dollfus,1970
@ gills of *Alepocephalus bairdii* Goode & Bean,1870 & *A. rostratus*
off Bretagne, off Ireland

Hexostomatidae Price,1936

Hexostoma Rafinesque,1815

H. thynni (Delaroche,1811)
@ gills of *Thunnus* & *Sarda*
Mediterranean, outside British Isles

H. extensicaudum (Dawes,1940)
@ gills of *Thunnus thynnus*
North Sea

Microcotyloidea Taschenberg,1879

Microcotylidae Taschenberg,1879

Atriostella Unnithan,1971 (™ *Atriostella otolithis*
Unnithan,1971 @ *Otolithes argenteus* - India)

Axine Abildgaard,1794
* Correct family or Gastrocotylidae?

A. belones Abildgaard,1794
@ gills of *Belone belone*
* Drawing in Möller & Anders,1986. Typical size 6 mm.
North Sea area, British Isles

A. triglae van Beneden & Hesse,1863
* a species inquirendae
@ gills of *Trigla hirundo*
Brest

Cynoscionicola Price,1962
* Correct family or Gastrocotylidae?

Dinotaster Unnithan,1971 (™ *Microcotyle centrodoni* Brown,1929)

D. centrodoni (Brown,1929)
= *Microcotyle centrodoni* Brown,1929
@ gills of *Pagellus bogaraveo*
London aquarium

Diplostamenides Unnithan,1971 (™
Diplostamenides umbrinae Unnithan,1971 @
Umbrina russelli - India)

D. (Bivulvostella) canthari (van Beneden & Hesse,1863)
= *Microcotyle canthari* van Beneden & Hesse,1863
(™ of *Bivulvostella* Unnithan,1971)
@ gills of *Cantharus griseus*
Brest

Diurix Unnithan,1971 (™ *Microcotyle leiognathi*
Tripathi,1959)

Gamacallum Unnithan,1971 (™ *Microcotyle macrorum* Mac & Mac,1913)

Heteraxinoides Gayevskaya & Kovaljova,1979
* Correct family or Gastrocotylidae?

H. atlanticus Gayevskaya & Kovaljova,1979
@ *Trachurus trachurus*
British Isles

Manterella (™ *Microcotyle heteracantha*
Manter,1938)

Metamicrocotyla Yamaguti,1952
* Correct family or Gastrocotylidae?

Microcotyle van Beneden & Hesse,1863

M. donavini van Beneden & Hesse,1863
@ gills of *Labrus donavini* (= *L. berggylta*)
* Drawing in Möller & Anders,1986. Typical size 5 mm.
Brest, North Sea, British Isles

M. erythrini van Beneden & Hesse,1863
@ gills of *Pagellus erythrinus*
Brest

Nudimasculus Unnithan,1971 (™ *Microcotyle spari* Yamaguti,1937)

Paradiurix Unnithan,1971 (™ *Microcotyle acanthogobii* Yamaguti,1940)

Pauciconfibula Dillon & Hargis,1965

* Correct family or Gastrocotylidae?

P. draconis Briot,1904
@ gills of *Trachinus draco*
English Channel, North Sea

Polylabris Euzet & Cauwet,1967
* Correct family or Gastrocotylidae?

Polylabroides Mamaev & Parukhin,1976, emend.
Byrnes,1985
* Correct family or Gastrocotylidae?

Polynemicola Unnithan,1971 (™ *Polynemicola*
bulbovaginata Unnithan,1971 @ *Polynemus indicus*
- India)
* Correct family or Gastrocotylidae?

Solostamenides Unnithan,1971 (™ *Microcotyle*
mugilis Vogt,1879)

S. mugilis (Vogt,1879)
= *Microcotyle mugilis* Vogt,1879
@ gills of *Mugil cephalus*
Roscoff

Gastrocotylidae Price, 1943

Gastrocotyle van Beneden & Hesse,1863

G. trachuri van Beneden & Hesse,1863
@ gills of *Trachurus trachurus*
* Drawing in Möller & Anders,1986. Typical size
4.5 mm.
British Isles

Pseudaxine Parona & Perugia,1890

P. trachuri Parona & Perugia,1890
@ gills of *Trachurus trachurus*
Plymouth, Mediterranean

Anakohninae Bravo-Hollis,1986

Anakohnia Bravo-Hollis,1985 (™ *Anakohnia*
brasiliiana Bravo-Hollis,1986 @ *Centropomus*
paralellus - Brazil)

Atrasterinae Maillard & Noisy,1979, emend.
Winch,1983

Atraster Lebedev & Paruchin,1969

Atrispinum Maillard & Noisy,1979 (™ *Atrispinum*

acarne Maillard & Noisy,1979 @ *Pagellus acarne*
- French Mediterranean)

A. labracis (van Beneden & Hesse,1863)
Winch,1983
= *Microcotyle labracis* van Beneden & Hesse,1863
@ gills of *Dicentrarchus labrax*
Brest,Roscoff, British Isles

Bradyhaptorinae Unnithan,1971

Bradyhaptorus Unnithan,1971 (™ *Microcotyle*
trachini Par & Per,1889)

Bychowskicotylinae Unnithan,1971

Bychowskicotyla Unnithan,1971 (™ *Microcotyle*
mormyri Lorenz,1878)

Tonkinopsis Lebedev,1972

Caenomicrocotylinae Unnithan,1971

Caenomicrocotyle Unnithan,1971 (™ *Microcotyle*
fusiformis Goto,1894)

C. fusiformis (Goto,1894)
= *Microcotyle fusiformis* Goto,1894
@ gills of *Pholis gunellus*
British Isles

Cemocotylidae Yamaguti,1963
@ gill parasites on Carangidae

Cemocotyle Sproston,1946

C. trachuri ?,1???
@ *Trachurus trachurus*
NE Atlantic

Cemocotylella Prize,1962

Heteraxinidae Price,1962

Allencotyla Price,1962

Bicotyle Tripathi,1956
= *Tricotyle* Tripathi,1959

Heteraxine Yamaguti,1938

Megamicrocotyle Tripathi,1956

Probursata Bravo-Hollis,1984

Heteromicrocotylidae Unnithan,1961

Heteromicrocotyla Yamaguti,1953

Heteromicrocotyloides Rohde,1977

CESTODA Carus,1885

AMPHILINIDEA Poche,1922

Amphilinidae Claus,1879

Amphilina Wagener,1858

A. foliacea (Rudolphi,1819) (™)

@ *Acipenser sturio* ; first intermediate hosts :
freshwater amphipods
Europe

Gigantolina Poche,1922

GYROCOTYLIDEA Poche,1926

Gyrocotylidae Benham,1901

Gyrocotyle Diesing,1850

= *Gyrocotyloides* Fuhrmann,1931

G. urna (Grube & Wagener,1852) (™)

@ intestine of *Chimaera monstrosa*
Bohuslän, Skagerrak, Faeroes

G. nybelini (Fuhrmann,1931) Bandoni &
Brooks,1987

= *Gyrocotyloides nybelini* Fuhrmann,1931 (™ of
Gyrocotyloides Fuhrmann,1931

@ *Chimaera monstrosa*
Skagerrak-Lofoten

G. confusa van der Land & Dienske,1968

?Kattegatt-?Oslofjord-SW Norway -
Trondheimsfjord-?Barents Sea

EUCESTODA Suthwell,1930

SPATHEBOTHRIIDEA Wardle & McLeod,1952

Spathebothriidae Wardle & McLeod,1952

Spathebothrium Linton,1922

S. simplex Linton,1922

@ *Liparis liparis* & *L. atlanticus*
North Atlantic

Diplocotylidae Nybelin,1920

Diplocotyle Krabbe,1874

D. olrikii Krabbe,1874 (™)

= *D. nylandica* (Schneider,1902)

@ *Platichthys flesus* & *Gymnacanthus tricuspis* ; 1:
rst intermediate host : *Gammarus locusta* & *Anonyx*
pugnax ; 2:nd intermediate host : none
Finland

TRYPANORHYNCHA Diesing,1863

= TETRARHYNCHA Olsson,1893

Sphyriocephalidae Dollfus,1930

Sphyriocephalus Pintner,1913

= *Bouchardia* Guiart,1927

S. viridis (Wagener,1854) (™)

@ e.g. *Scymnus*
Mediterranean

Tentacularioidea Poche,1925 (Palm,1995)

Tentaculariidae Poche,1925

Tentacularia Bosc,1797

= *Stenobothrium* Diesing,1850

= *Abothros* Welch,1876

= *Pierretia* Guiart,1927

T. coryphaenae Bosc,1802 (™)

@ adults in sharks, larvae in e.g. *Scomber*,
Pleuronectes & *Xiphias*
Atlantic

Nybelinia Poche,1925

= *Aspidorhynchus* Molin,1858, non Agassiz,1833

= *Acoelorhynchus* Poche,1926

= *Rufferia* Guiart,1927

N. lingualis (Cuvier,1817)

= *Tetrarhynchus lingualis* Cuvier,1817 (™)

= *Tetrarhynchus megabothrius* Rudolphi,1819

= *Tetrarhynchus sepiae* Leuckart,1881

= *Tetrarhynchus sepiaofficinalis* Diesing,1854

= *Tetrarhynchus macrobothrium* ?,1???

= *Tetrarhynchus bisulcatum* Linton,1889

= *Dibothriorhynchus todari* Delle Chiaje, 1829

= *Amphistoma loliginis* ?, 1???

= *Fasciola barbata* ?, 1???

= *Fasciola loliginis* ?, 1???

@ e.g. *Solea*, *Psetta*, *Lophius*, *Trachurus*, *Trigla*,

Raja spp. & *Squalus*; 1:rst intermediate host:

unknown; 2:nd intermediate host: *Todaropsis*

eblanae, *Loligo*, *Sepia*, *Octopus*, *Eledone*

Sweden, Greenland, Belgium, Engl. Channel, W

Spain, Mediterranean

N. yamagutii ?, 19??

@ 2:nd intermediate host: *Illex coindetii*

NW Spain

N. robusta (Linton, 1890)

= *Tetrarhynchus robustum* Lincoln, 1890

@ e.g. *Trigla lineata*

France

Hepatoxylidae Dollfus, 1940

Hepatoxylon Bosc, 1811

H. squali (?Martinière, 1797)

@ e.g. *Lamna* & *Squalus* (& several other shark species)

Atlantic

H. grossum (Rudolphi, 1819)

@ in swim bladder of *Xiphias gladius*

Roskilde fjord, Atlantic Spain

H. trichuri (Holten, 1802)

@ *Anarhichas* spp., *Micromesistius*, etc.

Norw. Sea, Iceland

Gymnorhynchidae Dollfus, 1935

Chimaerarhynchus Beveridge & Campbell, 1989

C. rogetae Beveridge & Campbell, 1989 (™)

@ *Squalus acanthias*

Senegal

Gymnorhynchus Rudolphi, 1819

G. gigas (Cuvier, 1817)

@ e.g. *Brama*, *Mola* & *Pagellus*

Sweden?, Atlantic, Mediterranean, NW Africa

Neogymnorhynchus Bilqees & Shah, 1982 (™ *N.*

platycephali Bilqees & Shah, 1982 @ *Platycephalus*

scaber - Pakistan)

Lacistorhynchidae Guiart, 1927

Callotetrarhynchus Pintner, 1931 (™)

Callotetrarhynchus gracillimum Pintner, 1931)

* Referred to this family by Beveridge & Campbell 1989

C. gracile (Rudolphi, 1819)

@ e.g. *Scomber*, *Brama* & *Gadus*

Mediterranean

C. triglae (Diesing, 1863)

@ e.g. *Trigla aspera* & *Trachinus draco*

Europe

Floriceps Cuvier, 1817

* Referred to this family by Beveridge & Campbell 1989

F. saccatus Cuvier, 1817 (™)

@ *Mola mola*

Atlantic

F. oxneri Guiart, 1938

@ *Coris julis*

Atlantic

Lacistorhynchus Pintner, 1913

L. tenuis (van Beneden, 1858) (™)

@ e.g. *Trachurus*, *trachurus*, *Scomber scombrus* & *Squalus acanthias*

Portugal, Atlantic

Pseudolacistorhynchus Palm, 1996 (™ *P. noodti*

Palm, 1995 @ *Pseudupeneus maculatus* - SW

Atlantic)

Heteracanthoidea Dollfus, 1942

Shirleyrhynchidae Beveridge & Campbell, 1994

Cetorhynchus Beveridge & Campbell, 1988

Shirleyrhynchus Beveridge & Campbell, 1988

(™ *S. butlaerae* Beveridge & Campbell, 1988 @ -

Dasyatis fluviorum - Queensland)

Otobothrioidea Dollfus, 1942 (Beveridge &

Campbell, 1994)

Otobothriidae Dollfus, 1942

Diplobothrium Chandler,1942 (TM *D. springeri* Chandler,1942 @ *Platysqualus tudes* - Florida)

Otobothrium Linton,1891 (TM *P. macrouri* Rudolphi,1819)

Poecilancistrum Dollfus,1929 (TM *P. caryophyllum* (Diesing,1850))

Poeciloacanthum Palm,1995 (TM *P. oweni* Palm,1995 @ Siluridae - Papua New Guinea)

Pseudotobothridae Palm,1995

Pseudothobothrium Ward,1954

Kotorellidae Euzet & Radujkovic,1989
* Correct superfamily?

Kotorella Euzet & Radujkovic,1989

K. pronosoma (Stossich,1901) Euzet & Radujkovic,1989
= *Rhynchobothrium pronosomum* Stossich,1901 (TM)
= *Otobothrium pronosomum* (Stossich,1901)
@ *Dasyatis pastinaca*
Mediterranean

Eutetrarhynchoidea Guiart,1926 (Palm,1995)

Eutetrarhynchidae Guiart,1927

Christianella Guiart,1931
= *Armandia* Guiart,1927, non Filippi,1801

C. minuta (van Beneden,1849) (TM)
@ *Squatina* & *Carcharias*; plerocercoid in *Sepia officinalis*; also found in *Trachurus trachurus* Belgium, Engl. Channel

Dollfusiella Beveridge & Campbell,1994 (TM)
Eutetrarhynchus australis Prudhoe,1969)

Eutetrarhynchus Pintner,1913
* a postlarval form, probably belonging in this genus was observed by Pelseneer,1906 from
Ostrea edulis in Belgium

E. ruficollis (Eysenhardt,1829) (TM)
@ *Mustelus* spp., *Raja* & *Squalus*.; ; 1:rst intermediate host : unknown ; 2:nd intermediate host : *Pagurus*, *Hyas*, *Carcinus*,

Inachus & *Cancer*
Atlantic, Mediterranean

Oncomegas Dollfus,1929

Parachristianella Dollfus,1946

P. trygonis Dollfus,1946
@ *Trygon pastinaca*
Concarneau

Paramecistobothrium Bilqees & Khurshid,1988 (TM *P. magnabulbosa* Bilqees & Khurshid,1988 @ *Pseudosciaena diacanthus* - Pakistan)

Prochristianella Dollfus,1946

P. trygonicola Dollfus,1946
@ *Trygon pastinaca* & *Upogebia stellata*
Concarneau, Arcachon

Pseudochristianella Campbell & Beveridge,1990 (TM *P. southwelli* Campbell & Beveridge,1990 @ *Carcharinus* - India)

Trigonolobium Dollfus,1929

Trimacracanthus Beveridge & Campbell,1987 (TM)
Prochristianella aetobatis Robinson,1959)

rest of old Cystoidea Guiart,1927 should probably be referred to Heteracanthoidea Dollfus,1942 or Homeacanthoidea Dollfus,1942

Grillotiidae Dollfus,1969

Grillotia Guiart,1927
= *Heterotetrarhynchus* Pintner,1929

G. erinaceus (van Beneden,1858) (TM)
@ *Raja* spp., larvae in calanoids, e.g. *Acartia*, *Pseudocalanus*, *Paracalanus* & *Temora* (1:rst stage) and
various teleosts, e.g. *Trachurus trachurus* (2:nd stage)
Atlantic

G. acanthoscolex Rees,1944
@ *Hexanchus griseus*
Porcupine Bank

G. minor Guiart,1935
@ *Lepidorhinus squamosus*
Bay of Biscay

G. pastinacae Dollfus,1946

@ *Trygon pastinaca*
Finistère

G. scolecina (Rudolphi,1819)

@ elasmobranchs & *Merluccius*
Mediterranean, British Isles

G. smarigorae (Diesing,1863)

@ e.g. *Squatina*
Atlantic

***G.* sp. :** Dollfus,1958

@ *Sepia officinalis*
Engl. Channel

Progrillotia Dollfus,1969

Dasyrhynchidae Dollfus,1935

Dasyrhynchus Pintner,1928

Gilquiniidae Dollfus,1942

= Aporhynchidae Poche,1926

Aporhynchus Nybelin,1918, emend.
Beveridge,1990

A. norvegicum (Olsson,1868) Nybelin,1918

= *Tetrabothrius norvegicum* Olsson,1868 (™)
@ *Etmopterus spinax*
Scandinavia

Deanicola Beveridge,1990 (™ *D. protentus*
Beveridge,1990 @ *Deania calcea* -Tasmania)

Gilquinia Guiart,1927, emend. Beveridge,1990

G. squali (Fabricius,1794) (™)

= *Rhynchobothrium tetrabothrium* van
Beneden,1849
= *Tetrarhynchobothrium affine* Diesing,1854
@ e.g. *Squalus acanthias* ; plerocercoid larvae in
eye of *Merlangius merlangus*
Atlantic, Mediterranean

Plesiorhynchus Beveridge,1990 (™ *P. etmopteri*
Beveridge,1990 @ *Etmopterus lucifer* - Tasmania)

Pseudogilquiniidae Bilquees & Khatoon,1980

Pseudogilquinia Bilquees & Khatoon,1980 (™
P. karachiense Bilquees & Khatoon,1980 @

Pomadasyss olivaceus - Pakistan)

Pterobothriidae Pintner,1931

Pterobothrium Diesing,1850

= *Myrmillorhynchus* Bilquees,1980
= *Neogymnorhynchus* Bilquees & Shah,1982

Mustelicolidae Dollfus,1969, emend. Beveridge &
Campbell,1994

Diesingiella Guiart,1931

= *Diesingium* Pintner,1929, non de
Quatrefages,1868
= *Mustelicola* Dollfus,1969

D. lomentacea (Diesing,1850) (™)

@ *Mustelus mustelus*
Mediterranean

D. monticellii (Moniez,1892)

@ *Lophius piscatorius*
English Channel

Patellobothrium Beveridge & Campbell,1989 (™)

P. quinquecatenatum Beveridge & Campbell,1989
@ *Sphyrna mokarran* - Australia)

Rhinoptericolidae Carvajal & Campbell,1975

Rhinoptericola Carvajal & Campbell,1975 (™)

R. megacantha Carvajal & Campbell,1975 @
Rhinoptera bonasus - ?)

Hornelliellidae Yamaguti,1954

Hornelliella Yamaguti,1954

Tetrarhynchobothriidae Dollfus,1969

Didymorhynchus Beveridge & Campbell,1988

(™ *D. southwelli* Beveridge & Campbell,1988 @
Aetobatus narinari - Sri Lanka)

Tetrarhynchobothrium Diesing,1850

Zygorhynchus Beveridge & Campbell,1988 (™)

Z. robertsoni Beveridge & Campbell,1988 @
Himantura uarnak - Australia)

Pseudogrillotiidae Dollfus,1969

Pseudogrillotia Dollfus,1969

Molicolidae Beveridge & Campbell,1989

Molicola Dollfus,1935

M. horridus (Goodsir,1841)

@ larvae in *Mola* & e.g. *Zeus* ; adults in *Isurus glaucus*

Stragulorhynchus Beveridge & Campbell,1988

(TM *S. orectolobi* Beveridge & Campbell,1988 @ - *Orectolobus tentaculatus* - S Australia)

* Referred to this family by Beveridge & Campbell 1989

Mixodigmatidae Dailey & Vogelbein,1982

Halysiorhynchus Pintner,1913

* Referred to this family by Beveridge & Campbell 1989

Mixodigma Dailey & Vogelbein,1982 (TM *M.*

leptaleum Dailey & Vogelbein,1982 @ deep sea planktivorous shark - Hawaii)

PSEUDOPHYLLIDEA Carus,1863

Philobythidae Campbell,1977

Philobythos Campbell,1977, emend.

Campbell,1979

P. atlanticus ??,1???

@ *Coryphaenoides rupestris*

NW Atlantic

Philobythoides Campbell,1979 (TM *P. stunkardi*

Campbell,1979 @ *Alepocephalus agassizi* - NW Atlantic)

Triaenophoridae Lönnberg,1899

Triaenophorus Rudolphi,1793

T. lucii (Müller,1776) (TM)

= *T. nodulosus* (Pallas,1781)

@ e.g. *Zoarces*, *Anguilla* & *Pungitius*
Scandinavia

T. anguilla Lönnberg,1889

@ *Anguilla*

Sweden

T. crassus Forel,1868

= *T. robustus* Olsson,1893

@ e.g. *Gasterosteus*, *Zoarces* & *Petromyzon*
Europe

Anchistrocephalus Monticelli,1890

= *Ancistrocephalus* Lühe,1899

= *Ancistrocephala* Guiart,1935

A. microcephalus (Rudolphi,1819) (TM)

@ *Mola mola*

Sweden, Mediterranean

A. imbricatus (Diesing,1850)

@ *Caretta caretta*

Atlantic, Mediterranean

Fistulicola Lühe,1899

= *Pseudeubothrium* Yamaguti,1958

F. plicata (Rudolphi,1819) (TM)

@ *Xiphias gladius*

Atlantic, Mediterranean

F. dalmatina (Stossich,1897)

@ *Zeus faber*

Mediterranean

Amphicotylidae Ariola,1899

= Abothriinae Nybelin,1922

Eubothrium Nybelin,1920 (TM *Eubothrium rugosum* (Batsch,1786))

= *Abothrium* Lühe,1910, non van Beneden,1871

* 8 species, of which 5 are completely marine, 1 limnic & marine & 2 limnic, but surviving marine conditions

E. fragile (Rudolphi,1802)

@ *Clupea alosa*

Europe

E. crassum (Bloch,1779)

@ hooked to the pyloric caeca of e.g. *Salmo* (most common in *S. trutta*), *Clupea* & *Cyclopterus* ; 1:rst intermediate host: freshwater & marine copepods ; 2:nd intermediate host : *Perca fluviatilis*
Baltic Sea-Bohuslän (in certain areas the infestation may be >50%), Irish Sea

E. salvelini (Schrank,1790)

@ e.g. *Salmo*, but chiefly *Salvelinus alpinus* in Eurasia; 1:rst intermediate host : freshwater *Cyclops* spp.

Survives marine environment

Europe

E. parvum Nybelin,1922

@ *Mallotus villosus*

Norway, Barents Sea

Abothrium van Beneden,1871

A. gadi van Beneden,1871 (™)

@ *Gadus morhua* & other Gadidae

(S. Baltic)-Öresund-Bohuslän (around 10% infestation in Bohuslän), Belgium

Parabothrium Nybelin,1922

P. bulbiferum Nybelin,1922 (™)

@ Gadidae

Sweden, Norway, Ireland

P. gadipollachii (Rudolphi,1810)

@ ?*Pollachius pollachius*

?

Probothriocephalus Campbell,1979 (™ *P. muelleri*)

Campbell,1979 @ *Alepocephalus agassizi* - NW Atlantic)

= *Flexiphallus* Protasova & Parukhin,1986

= *Heterovitellus* Protasova & Parukhin,1986

= *Partitiotestis* Protasova & Parukhin,1986

Amphicotyle Diesing,1863

A. ceratias Tkachev,1979

@ *Ceratias holboelli*

Antarctic

Amphigonoporus Mendes,1944

= *Pachybothrium* Pozdniakov,1983, non Baer & Euzet,1962

Pistana Campbell & Gartner,1982 (™ *P.*

eurypharyngis Campbell & Gartner,1982 @

Eurypharynx pelecanoides - NW Atlantic)

Pseudeubothrioides Yamaguti,1968

Bothriocephalidae E. Blanchard,1849

= **Ptychobothriidae** Lühe,1902

Bothriocephalus Rudolphi,1808

= *Penetrocephalus* Rao,1960

B. scorpii (O.F. Müller,1776) (™)

@ procercooids in copepods, e.g. *Eurytemora*

hirundo , pleurocercooids in stomachs of marine teleosts of different families, however most often in the sand goby; adults most often in Cottidae and Scophthalmidae.

S. Baltic-Bohuslän, Denmark, North Sea, Mediterranean, North Atlantic, Black Sea, Barents Sea

B. angusticeps Olsson,1868

@ *Sebastes norvegicus*

Ålesund, Bergen

B. capillicollis Mégnin,1883

@ “carpe de mer”

Norway

B. claviceps (Goeze,1782)

@ *Anguilla* and other teleosts

Europe

B. ellipticus Linstow,1880

@ *Gadus morhua*

?

B. gasterostei Knoch,1862

@ *Pungitius pungitius*

?

B. gregarinus Ortega & Valero,1989

@ *Scophthalmus maxima* ; paratenic hosts:

Pomatoschistus minutus & *P. marmoratus*

* Electrophoretically separated from *B. scorpii*

Gibraltar

B. renaudii Ortega & Valero,1989

@ *Scophthalmus maxima*

* Electrophoretically separated from *B. scorpii*

Gibraltar

B. labracis Dujardin,1845

@ *Labrax lupus*

Rennes

B. lophii Rudolphi,1819

@ *Lophius piscatorius*

Europe

B. minutus Ariola,1896

@ *Syngnathus acus*

Mediterranean

B. monorchis von Linstow,1903

@ *Mola mola*

Europe

B. motellae Olsson,1893

@ *Motella cimbria*

Scandinavia

B. neglectus Lönnberg,1893

@ *Raniceps raninus*

Sweden

B. nigropunctatus von Linstow,1901

@ *Sebastes norvegicus*

Europe

B. parvus Creplin,1846

@ *Ammodytes tobianus*

?

B. proboscideus (Batsch,1786)

@ *Salmo salar*, *Salmo trutta* & *Motella mustela*

Europe

B. rhombi (Leeuw., in Mola,1928)

@ *Mullus*, *Arnoglossus*, *Rhombus*, *Pleuronectes*,
Solea, *Labrus*, *Trigla* etc.

?

B. spinachiae Olsson,1893

@ *Spinachia spinachia*

Sweden

Clestobothrium Lühe,1899

C. crassiceps (Rudolphi,1819) (™)

@ *Merluccius merluccius*

Mediterranean, Porcupine bank

Ptychobothriidae

Ptychobothrium Lönnberg,1889

P. belones (Dujardin,1845) (™)

@ *Belone bellone*

Sweden

Tetrapapillocephalinae Protasova &
Mordvinova,1986

Tetrapapillocephalus Protasova &
Mordvinova,1986 (™ *T. magnus* Protasova &
Mordvinova,1986 @ *Saurida undasquamis* - SW
Indian Ocean)

Echinophallidae Schumacher,1914

= Parabothriocephalidae Yamaguti,1959

Echinophallus Schumacher,1914

= *Atelemerus* Guiart,1935

Paratelemerus Gulyaev, Korotaeva &

Kurochkin,1989 (™ *P. seriolella* Gulyaev,

Korotaeva & Kurochkin,1989 @ *Seriolella brama*

- Indian Ocean)

Parabothriocephalus Yamaguti,1934

= *Parabothriocephaloides* Yamaguti,1934

Ligulidae Lühe,1899

Ligula Bloch,1782 (™ *Ligula intestinalis*
(Linnaeus,1758))

sp.

@ birds; plerocercoids in e.g. Gasterosteidae

S. Baltic

Schistocephalus Creplin,1829 (™ *Schistocephalus*
dimorphus Creplin,1829)

S. solidus (O.F. Müller,1776)

@ sea birds; proceroids in cyclopoid copepods;

plerocercoids in *Gasterosteus aculeatus*

Baltic-Bohuslän

S. pungitii Dubinina,1959

@ sea birds; plerocercoid in *Pungitius pungitius*

?Sweden??

Diphyllobothriidae Lühe,1910

= Lueheellidae Baer,1924

Diplogonoporus Lönnberg,1892

= *Krabbea* Blanchard,1894

= *Tetragonoporus* Skrjabin,1961

= *Polygonoporus* Skrjabin,1967

D. balaenopterae (Lönnberg,1891) (™)

= *Bothriocephalus balaenopterae* Lönnberg,1891
(™)

@ *Balaenoptera borealis* & *B. physalus*

N Norway, Arctic Russia

D. fasciatus (Krabbe,1865)

@ *Phoca hispida*

N Norway

D. tetrapterus (von Siebold,1848) Ariola,1896

= *Bothriocephalus tetrapterus* von Siebold,1848

= *Bothriocephalus variabile* Krabbe,1865

= *Bothriocephalus elegans* Krabbe,1865

@ intestine of e.g. *Phoca vitulina*
Denmark, N. Europe, Greenland

Diphyllobothrium Cobbold,1858
= *Pyramicocephalus* Monticelli,1890
= *Dibothriocephalus* Lühe,1891 (p.p.)
= *Lueheella* Baer,1924

D. cordatum (Leuckart,1863) Gedoelst,1949
= *Bothriocephalum cordatum* Leuckart,1863
= *D. roemeri* (Zschokke,1903)
@ e.g. *Odobenus rosmarus* & *Pagophilus groenlandica*
* Zschokke,1904 reported one human infestation from Greenland
Iceland, Spitzbergen, Greenland

D. dendriticum (Nitsch,1824)
=? *D. norvegicum* Halvorsen,1970
@ gulls (adults); Salmonidae (plerocercoids)
Norway, Baltic

D. hians (Diesing,1850)
= *Dibothrium hians* Diesing,1850
= *Diphyllobothrium polycalceolus* (Ariola,1896)
@ e.g. *Pusa hispida*
N. Atlantic

D. latum (Linnaeus,1758)
= *Taenia lata* Linnaeus,1758
= *Taenia grisea* Pallas,1761
= *Taenia acephala* Vogel,1772
= *Taenia membranacea* Pallas,1781
= *Bothriocephalus hominis* Lamarck,1816
= *Taenia vertebrata* Leuckart,1886
= *Bothriocephalus balticus* Küchermeister,1886
@ a variety of mammals, including e.g. *Phocaena phocaena* & *Phoca vitulina* ; larvae in limnic copepods
and teleosts; spreading in marine food chain possibly via salmonids
Cosmopolitan

D. lanceolatum (Krabbe,1865)
= *Bothriocephalus lanceolatus* Krabbe,1865
@ intestine of e.g. *Phoca hispida*, *Phocaena phocaena* & *Erignatus barbatus* ; 1:rst intermediate host :
unknown ; 2:nd intermediate host : *Gadus morhua*
Baltic, North Sea, Barents Sea, Kara Sea, Greenland, Arctic Ocean

D. ptercephalum Delyamure & Skrjabin,1966

@ *Cystophora cristata*
?

D. schistochilus (Germanos,1895)
= *Bothriocephalus schistochilus* Germanos,1895
= *Bothriocephalus coniceps* Linstow,1905
@ intestine of *Phoca vitulina*, ?*Pagophilus groenlandicus* & *Erignatus barbatus* ; 1:rst intermediate host :
unknown ; 2:nd intermediate host : *Gadus morhua*
Spitsbergen, Novaja Zemlja, Arctic Russia

D. romeri (Zschokke,1903)
= *Dibothriocephalus romeri* Zschokke,1903
@ *Odobenus rosmarus*
White Sea, Arctic

D. macrocephalus (Linstow,1905)
= *Dibothriocephalus macrocephalus* Linstow,1905
@ *Erignatus barbatus* & *Callorhinus ursinus*
North Sea,

D. stemmacephalum Cobbold,1858 (™)
@ *Phocaena phocaena*, *Globicephala melas*
Denmark, North Sea, Faeroes, Firth of Forth, Black Sea

D. orcini Hatsushika & Shirouzu,1990
@ *Orcinus orca*
Japan

D. phocarum (Fabricius,1780)
= *Pyramicocephalus phocarum* (Fabricius,1780)
= *Taenia phocarus* Fabricius,1780 (™)
= *Alyselminthus lanceolatorobatus* Zeder,1800
= *Taenia anthocephala* Rudolphi,1810
= *Alyselminthus phocarus* de Blainville,1828
= *Anthobothrium tortum* Linstow,1904
@ *Phoca barbata*, *P. hispida*, *Erignatus barbatus* etc. ; 1:rst intermediate host : unknown ; 2:nd intermediate host : liver of *Gadus morhua*, *Melanogrammus aeglefinus* etc.
Iceland, Greenland, Spitsbergen, White Sea, Novaja Zemlja, Barents Sea, N Canada

D. yonagoensis Yamane, Kamo, Yazaki, Fukumoto & Maejima,1981
@ Japanese man, but originally from a marine host
Japan

LECANICEPHALIDEA Baylis,1920, emend.
Wardle & McLeod,1952

Disculicipitidae Joyeux & Baer,1936

Disculiceps Joyeux & Baer,1936

D. pileatus (Linton,1890) (™)
= *Discocephalum pileatum* Linton,1890
@ e.g. *Carcharias*
France

Anteroporidae Euzet,1994

Anteropora Subhadrappa,1957
= *Monoporophylleus* Shinde & Chincholikar,1977

Lecanicephalidae Braun,1900

Cephalobothrium Shipley & Hornell,1906
= *Hexacanalis* Perrenoud,1931
* Genus inquirenda according to Euzet 1994

Eniochobothrium Shipley & Hornell,1906

Flapocephalus Deshmukh,1980
* Genus inquirenda according to Euzet 1994

Hexacanalis Perrenoud,1931

Lecanicephalum Linton,1890

Litobothrium Dailey,1969

Polyocephalus Braun,1878

Renya Kurochkin & Slankis,1973

Tylocephalum Linton,1890
= *Spinocephalum* Deshmukh,1980

Balanobothriinae Pintner,1928

Balanobothrium Hornell,1912
@ Indian Ocean elasmobranchs

Tetragonocephalidae Yamaguti,1959

Tetragonocephalum Shipley & Hornell,1905

Adelobothriidae Yamaguti,1959

Adelobothrium Shipley, in Willey,1900

? Family?
(Genera incertae sedis)

Diplobothrium van Beneden,1889

D. simile van Beneden,1889
@ *Lamna cornubica*
Europe

Discobothrium van Beneden,1871

D. phallax van Beneden,1871 (™)
* Should the spelling be fallax ?
@ *Raja clavata*
Belgium

TETRAPHYLLIDEA Carus,1863
@ Elasmobranchs

Scolex O.F. Müller,1781
* larval forms of unknown adult Tetracanthids

S. aculephalum M. Sars,1845
@ *Bolinopsis infundibulum*
Norway

S. sp. : van Cleave,1927
@ *Pleurobrachia pileus*
Woods Hole

S. pleuronectis O.F. Müller,1788
= *S. polymorphus* Rudolphi,1819
= *S. sp.* : de Bavay, in Dollfus,1923
@ *Alloteuthis subulata*, *Sagitta elegans*, *Scomber scombrus*
Engl. Channel, White Sea, Portugal

S. pleuronectis unilocularis ?,1???
@ *Sepiola atlantica*, *Eledone cirrhosa*
Engl. Channel, Mediterranean

S. pleuronectis trilocularis ?,1???
@ *Sepiola atlantica*
Engl. Channel, Mediterranean

S. carcinimaenadis Vaulleuard,1896
@ *Carcinus maenas*
Engl. Channel

S. paguribernhardi Diesing,1863
@ *Pagurus bernhardus* & *Liocarcinus depurator*
Engl. Channel

Plerocercoides Neumann,1892
* larval forms of unknown adult Tetracanthids

P. aequoreus Wundsch,1912
@ marine copepods
?

P. armatus Wundsch,1912
@ marine copepods
?

P. portieri Guiart,1935
@ intestine of *Phoca* sp.
Spitsbergen

Pseudanthobothrium Baer,1956
@ which family?

P. hansenii Baer,1956
@ *Raja radiata*, cercoid larvae in harpacticoids
?

Phyllobothriidae Braun,1900

Clistobothrium Dailey & Vogelbein,1990 (™
C. carcharodoni Dailey & Vogelbein,1990 @
Carcharodon carcharias - California)

Dinobothrium van Beneden,1889
= *Diplobothrium* van Beneden,1889, non
Leuckart,1842
= *Reesium* Euzet,1955

D. keilini Sproston,1948
@ *Carcharhinus glaucus*
English Channel, Hebrides

D. paciferum (Sproston,1948)
= *Reesium paciferum* (Sproston,1948)
= *Dinobothrium spinosum* Baylis,1950
= *Dinobothrium spinulosum* Yamaguti,1952
@ *Cetorhinus maximus*
Engl. Channel, Hebrides

D. septaria van Beneden,1889 (™)
?= *D. plicatum* ?,1???
@ e.g. *Lamna*, *Cetorhinus* ; plerocercoids
in *Todaropsis eblanae* & *Illex illecebrosus*
Sweden, Belgium, France, Spain

D. sp. : Dollfus,1936, etc.
@ *Sepia*, *Illex* & *Todaropsis*
NW Spain

Gastrolecithus Yamaguti,1952

G. planus (Linton,1922)
@ *Cetorhinus maximus*
Spain

Marsupiobothrium Yamaguti,1952

Myliobatibothrium Shinde & Mohekar,1983 (™
M. alii Shinde & Mohekar,1983 @ *Mylobatis*
nieuhoffii - India)

Pelichnibothrium Monticelli,1889

P. speciosum ?,1???
@ coecum & stomach of *Illex coindeti* & *Todaropsis*
eblanae
NW Spain

Phormobothrium Alexander,1963

P. affine (Olsson,1867)
@ *Raja batis* & *R. radiata*
Scandinavia

Pithophorus Southwell,1925

Prionacestus Mete & Euzet,1996 (™ *P. bipartitus*
Mete & Euzet,1996 @ *Prionace glauca* - SW
Indian Ocean)

Rhodobothrium Linton,1889

R. pulvinatum Linton,1889
@ e.g. *Squalus acanthias*
France

Scyphophyllidium Woodland,1927

S. giganteum (van Beneden,1858) (™)
@ *Galeus* spp. & *Raja batis*
Europe

S. pruvoti (Guiart,1934)
= *Diplobothrium pruvoti* Guiart,1934
@ *Loligo vulgaris*
France?

Shindeiobothrium Jadhav, Shinde &
Deshmukh,1981 (™ *S. karbharae* Jadhav, Shinde
& Deshmukh,1981 @ *Dasyatis zugei* - India)

Sphaerobothrium Euzet,1959

S. lubeti Euzet,1959
= *Proboscidosaccus enigmaticus* Anthouard, in

Dollfus, 1974
@ *Myliobatis aquila* ; larvae in *Mactra solida* &
Ostrea edulis
Engl. Channel, Atlantic France

Phyllobothriinae Braun, 1900 (de Beauchamp, 1905)

Anthobothrium van Beneden, 1850
= *Spongiobothrium* Linton, 1889
* Correct subfamily?

A. cornucopia van Beneden, 1850 (™)
@ e.g. *Galeus*, *Mustelus*, *Galeorhinus* & *Lamna* ;
also found in *Trachurus trachurus*
Belgium, France

A. auriculatum (Rudolphi, 1819)
@ e.g. *Squalus*, *Raja*, *Squatina* & *Lamna*
Atlantic, Mediterranean

Crossobothrium Linton, 1889
* Correct subfamily?

C. dohrni (Oerley, 1885) Ruhnke, 1996
= *Orymatobothrium dohrni* Oerley, 1885
@ e.g. *Mustelus vulgaris* & *Hexanchus griseus*;
plerocercoid in *Todarodes sagittatus*
Mediterranean, Porcupine Bank

Kowsalyabothrium Muralidhar, Shinde &
Jadhav, 1989 (™ *K. indirapriyadarshinii*
Muralidhar, Shinde & Jadhav, 1989 @ *Dasyatis*
centrura - India)
* Correct subfamily?

Monorygma Diesing, 1863
= *Stenotaenia* Gervais, 1870
* Correct subfamily?

M. chlamydoselachi Lönnberg, 1898
@ *Chlamydoselachus anguineus*
Varangerfjord

M. grimaldii (Moniez, 1889) Baylis, 1919
= *Taenia grimaldii* Moniez, 1889
@ sharks, probably *Scyliorhinus* ; reservoir hosts
: abdominal cavity, mesentery & diaphragm
of *Delphinus delphis*, *Lagenorhynchus acutus*,
Globicephalus melas & *Tursiops truncatus*
* larval form in cetaceans
Baltic, Spain, Mediterranean, Atlantic Ocean

M. perfectum (van Beneden, 1853) (™)
@ *Laemargus borealis*, *Somniosus* & *Scyliorhinus*

Ostende, Greenland, Mediterranean

Orymatobothrium Diesing, 1854
* Correct subfamily?

O. musteli (van Beneden, 1850) Diesing, 1854
@ *Mustelus*, *Galeus* & *Scyliorhinus*
European Atlantic

O. versatile (Diesing, 1854) (™)
@ *Galeus*, *Mustelus* & *Scyliorhinus*
Ostende, Trieste

O. zschokkei Woodland, 1927
@ *Mustelus laevis* & *M. vulgaris*
?

Paraorymatobothrium Ruhnke, 1994
* Correct subfamily?

P. prionacis (Yamaguti, 1934) Ruhnke, 1994
= *Phyllobothrium prionacis* Yamaguti, 1934 (™)
New York

P. triacis (Yamaguti, 1952) Ruhnke, 1996
= *Phyllobothrium triacis* Yamaguti, 1952
@ e.g. *Mustelus* & *Hexanchus griseus*
Atlantic

Phyllobothrium van Beneden, 1849
= *Anthocephalus* Linton, 1890
= *Calyptorobothrium* Monticelli, 1893
= *Bilocularia* Obersteiner, 1914
@ often with a plerocercoid stage in stomach,
caecum and rectum of Cephalopoda

P. brassica van Beneden, 1871
* a nomen nudum
@ *Spinax acanthias*
Belgium

P. delphini (Bosc, 1802)
= *Hydatis delphini* Bosc, 1802
= *Cysticercus balaenamysticeti* Diesing, 1850
= *Cysticercus physeteris* Diesing, 1850
= *Phyllobothrium inchoatum* Leidy, 1891
@ not known; reservoir hosts : skin & subcutaneous
fat of e.g. *Balaena mysticetus*, *Mesoplodon*
bidens, *Physeter macrocephalus*, *Grampus*
griseus, *Delphinus delphis*, *Tursiops truncatus* &
Globocephalus melas
* larval form, possibly hiding several species; 6
types may be discriminated
Mediterranean, Central atlantic, Antarctic, "all

regions of the worlds oceans”

P. fallax van Beneden,1871

* a nomen nudum

@ *Spinax acanthias*

Belgium

P. gracile Wedl,1855

@ e.g. *Torpedo*, *Squatina* & *Heptanchus*

Europe

P. lactuca van Beneden,1849 (™)

@ *Mustelus*, *Galeus*, *Lamna*, *Raja*, *Squalus*, *Trygon* etc.; *Sepia officinalis*

Belgium, Engl. Channel

P. loliginis (Leidy,1887)

= *P. tumidum* Linton,1922

@ *Loligo vulgaris*, *Illex illecebrosus* & *Todarodes sagittatus* & e.g. *Carcharodon carcharias*

France, Mediterranean

P. musteli (van Beneden,1850)

@ e.g. *Mustelus vulgaris* & *Carcharhinus*

Belgium

P. pastinaceae Mokhtar, Maamouri & Zamali,1981

@ *Dasyatis pastinaca*

Mediterranean

P. perfectum (van Beneden,1853)

@ *Scimnus glacialis*

?

P. piriei Williams,1968

@ *Raja naevus*

?

P. pusillus (?,1???)

= *Orygmatobothrium pusillus* ?,1???

@ *Eledone*

?Skagerrak-Kattegat area

P. riggii (Monticelli,1893)

@ e.g. *Torpedo*, *Raja* & *Scyliorhinus canicula*

Mediterranean, Murmansk

P. rotundum (Klaptocz,1906)

@ *Hexanchus griseus*

Triest

P. thridax van Beneden,1850

@ e.g. *Squatina*, *Trygon*, *Raja*, *Mustelus* etc.

Belgium

P. unilaterale Southwell,1925

@ *Squatina*

France, British Isles

Triloculariinae Yamaguti,1959

Trilocularia Olsson,1867

T. gracilis Olsson,1867 (™)

= *T. acanthiaevulgaris* Olsson,1867

@ *Squalus acanthias*

* Which of Olsson's names has priority?

Scandinavia, Irish Sea

Rhinebothriinae Euzet,1953

Caulobothrium Baer,1948

= *Rhabdotobothrium* Euzet,1953

Echeneibothrium van Beneden,1850

= *Rhinebothrium* Linton,1889

= *Tiarabothrium* Shipley & Hornell,1906

* *E. sp.* found in *Scomber scombrus* off Portugal

E. canadensis Keeling & Burt,1996

@ *Raja radiata*

Canadian Arctic

E. dollfusi (Euzet,1953)

@ *Dasyatis pastinaca*

France

E. gracile Zschokke,1888

@ *Raja batis*

Europe?

E. julievansium Woodland,1927

@ *Raja* spp.

Plymouth, Irish Sea, France

E. maculatum Woodland,1927

@ *Raja maculata*

Plymouth

E. minimum van Beneden,1850 (™)

= *E. dubium* van Beneden,1858

@ e.g. *Raja* & *Trygon*

Belgium, France, Engl. Channel, Iceland

E. moucheti Dollfus,1931

@ *Pagurus* spp.

Roscoff

E. variabile van Beneden,1850

@ *Raja* spp.
Belgium, France

E. tumidulum (Rudolphi,1819)

@ *Raja* spp.
Ireland, England, France

Tritaphros Lönnberg,1889

* Should possibly be considered as a synonym of
Echeneibothrium van Beneden,1850

T. retzii Lönnberg,1889 (™)

@ *Raja clavata*
Bohuslän

Zyxiobothrium Hayden & Campbell,1981 (™ Z.
kamienae Hayden & Campbell,1981 @ *Raja senta*
- NW Atlantic)

Onchobothriidae Braun,1900
= Oncobothriidae Yamaguti,1959

Acanthobothrium van Beneden,1849

A. benedenii Lönnberg,1889

@ e.g. *Raja clavata*
Bohuslän, Mediterranean

A. coronatum (Rudolphi,1819) (™)
= *Scolex pleuronectis* O.F. Müller,1781? (larva)
(p.p.?)
@ e.g. *Raja*, *Mustelus*, *Torpedo*, *Scyliorhinus*
& *Squatina* ; 1:rst intermediate host : *Calanus*
finmarchicus ;

2:nd intermediate host: *Sardina pilchardus* &
Engraulis encrasicolus
Sylt (larvae), Atlantic

A. crassicolle Wedl,1855

?= *Tetrastoma playfairi* (larvae - @ *Pleurobrachia*
pileus & *Cydippe densa* from Engl. Channel-
Mediterr.)

@ e.g. *Raja* & *Trygon pastinaca*
Europe

A. dujardinii van Beneden,1849

@ e.g. *Raja*
Belgium, England

A. filicolle (Zschokke,1887)

@ e.g. *Raja*
Roscoff

A. ijimai Yoshida,1917

@ e.g. *Raja*
North Sea, Irish Sea

A. laciniatum Linton,1890

@ *Prionace glauca*
New York

A. quadripartitum Williams,1968

@ specific for *Raja naevus*
North Sea, Engl. Channel

A. uncinatum (Rudolphi,1819)

@ e.g. *Raja*, *Mustelus*, *Trygon* & *Torpedo*
France, Irish Sea

A. sp. : Dollfus,1923, 1936

@ *Octopus vulgaris*
Engl. Channel

Calliobothrium van Beneden,1850

C. eschrichtii (van Beneden,1849)

@ e.g. *Mustelus* & *Galeus*
Europe

C. leuckartii van Beneden,1850

@ *Scyliorhinus canicula* & *Mustelus* spp.
Belgium, France

C. verticillatum (Rudolphi,1819) van Beneden,1850
(™)

@ e.g. *Mustelus*, *Galeus*, *Raja*, *Squatina* & *Squalus*
Belgium, France, England, Canaries

Ceratobothrium Monticelli,1892

= *Aocobothrium* Mola,1907

C. xanthocephalum Monticelli,1892 (™)

@ e.g. *Lamna cornubica*
Mediterranean

Cylindrophorus Diesing,1863

* A nomen nudum according to Euzet,1994

Onchobothrium de Blainville,1828

= *Oncobothrium* : Yamaguti,1959

O. ganfini Mola,1927

@ *Scyliorhinus canicula*
Mediterranean

O. lintoni Mola,1927 (emend.)

= *O. lintonni* Mola,1927

@ *Scyliorhinus stellaris*

Mediterranean

O. pseudouncinatum (Rudolphi,1819) de
Beauchamp,1905
@ *Raja*, *Dasyatis*, *Trygon*, *Torpedo* & *Galeus*
Atlantic

Pedibothrium Linton,1909

Phoreiobothrium Linton,1889

Pinguicollum Riser,1955 (™ *Onchobothrium*
pinguicollum Sleggs,1927)

* Considered to be a synonym of *Acanthobothrium*
van Beneden,1849 by Euzet 1994, but not by Caira
& Keeling 1996

Platybothrium Linton,1880

P. auriculatum Yamaguti,1952

@ *Prionace glauca*
New York, Japan

Spinibiloculus Deshmukh & Shinde,1980 (™
S. ratnagiriensis Deshmukh & Shinde,1980 @
Ginglymostoma concolor India)

Spiniloculus Southwell,1925

Uncibilocularis Southwell,1925

Yorkeria Southwell,1927

Thysanocephalinae Euzet,1953

Myzocephalus Shipley & Hornell,1906
= *Myxophyllobothrium* Shinde & Chincholikar,1981
* Correct subfamily?

Thysanocephalum Linton,1889

DIOECOTAENIIDEA Schmidt,1986

Dioecotaeniidae Schmidt,1969

Dioecotaenia Schmidt,1969 (™ *D. cancellata*
(Linton,1890) @ *Rhinoptera bonasus* - NW
Atlantic)

DIPHYLLIDEA van Beneden, in Carus,1863

Ditrachybothridiidae ?,19??

Ditrachybothridium Rees,1959 (™ *D.*

macrocephalum Rees,1959)

Echinobothriidae Perrier,1897

Echinobothrium van Beneden,1849
@ life cycle involving a single intermediate host (a
crustacean or a gastropod)

E. typus van Beneden,1849 (™)

@ *Raja* spp. & *Trygon pastinaca* ; larvae in ?*Solen*
& ?*Cerastoderma edule*
Helgoland, Atlantic, Mediterranean

E. benedeni Ruzskowski,1928

@ encysted in rests of *Hippolyte varians* in stomach
contents of *Raja* spp.

E. affine Diesing,1863

@ *Raja* spp., *Carcharias* & *Rhynchobatus*
France

E. brachysoma Pintner,1889

@ *Raja batis*
Triest

E. mathiasi Euzet,1951

@ *Leiobatus aquila*
France

E. musteli Pintner,1889

?= *E. laevicolle* Lespès,1857

@ *Mustelus laevis* & *M. plebejus*. Larvae encysted
in liver of ?*Hinia reticulata*
Triest, Arcachon

E. hardfordi McVicar,1976

@ *Raja naevus*
North Sea, Engl. Channel

Macrobothridiidae Khalil & Abdul-Salam,1989

Macrobothridium Khalil & Abdul-Salam,1989 (™
M. rhynchobathi Khalil & Abdul-Salam,1989 @
Rhynchobatus granulatus - Persian Gulf)

ICHTHYOTAENIIDEA

= PROTEOCEPHALIDEA Mola,1928

Ichthyotaeniidae Ariola,1899

= Proteocephalidae La Rue,1911

= Monticellidae ?,19??

@ Chiefly in fresh water hosts.

Ichthyotaenia Lönnberg,1894 (™ *Ichthyotaenia*

percae (Müller,1780))

= *Proteocephalus* Weinland,1858, non de Blainville,1828

* Highly host-specific. Life cycle involving a single intermediate host, usually a copepod.

I. macrocephalus (Creplin,1825)

@ *Anguilla anguilla*

Kieler Bucht estuary

Prosobothrium Cohn,1902

= *Cyatocotyle* Mola,1908

= *Lintoniella* Woodland,1927

P. armigerum Cohn,1902 (™)

@ e.g. *Squalus*, *Prionace* & *Zygaena*

Atlantic, Mediterranean

CYCLOPHYLLIDEA Braun,1900

Tetrabothriidae Linton,1891

@ Cetacea, seals & marine birds

Anophryocephalus Baylis,1922

A. arcticensis Hoberg & Measures,1995

@ *Phoca groenlandica* & *Phoca hispida*

Arctic Canada

A. inuitorum Hoberg & Measures,1995

@ *Phoca groenlandica* & *Phoca hispida*

Arctic Canada

A. skrjabini ??,19??

@ phocid pinnipeds

* Not mentioned in Baers revision of 1954, but described prior to 1980.

Arctic waters

Priapocephalus Nybelin,1922

P. grandis Nybelin,1922 (™)

@ intestine of *Balaenoptera musculus*, *B. borealis*

& *Physeter catodon*

France

P. minor Nybelin,1928

@ small intestine of *Balaenoptera borealis* & *B.*

physalis

Sweden, W Norway, France

Strobilocephalus Baer,1932

= *Tetrabothrius* Rudolphi,1819 (p.p.)

= *Prosthecocotyle* Monticelli,1892 (p.p.)

S. triangularis (Diesing,1850) Baer,1932

= *Tetrabothrium triangulare* Diesing,1850 (™)

= *Prosthecocotyle triangulare* (Diesing,1850)

Fuhrmann,1899

= *Tetrabothrius triangularis* (Diesing,1850)

Fuhrmann,1904

@ rectum of *Steno bredanensis* .

Lisboa, Brazil

Tetrabothrius Rudolphi,1819 (™ *Tetrabothrius macrocephalum* (Rudolphi,1810))

= *Tetrabothris* Berthold, in Latreille,1827

= *Tetrabothrium* Blainville,1828

= *Amphoterocotyle* Diesing,1863

= *Eutetrabothrium* Diesing,1854

= *Prosthecocotyle* Monticelli,1892

= *Bothridiotaenia* Lönnberg,1896

= *Diplobothrium* Lönnberg,1891, non van

Beneden,1889

= *Oriana* Leiper & Atkinson,1914

= *Chaetophallus* Nybelin,1916

= *Porotaenia* Szpotanska,1917

= *Neotetrabothrius* Nybelin,1929

= *Trigonocotyle* Guiart,1935, non Baer,1932

= *Paratetrabothrius* Yamaguti,1940 (p.p.)

T. affinis (Lönnberg,1891) Lönnberg,1892

= *Diplobothrium affine* Lönnberg,1891

= *Oriana wilsoni* Leiper & Atkinson,1914

= *Tetrabothrius wilsoni* (Leiper & Atkinson,1914)

Baylis,1926

@ *Balaenoptera* spp. & *Physeter catodon*

off Norway, S Atlantic, Antarctic, Pacific

T. anophrys (Baylis,1922) Baer,1954

= *Anophryocephalus anophrys* Baylis,1922 (™ of *Anophryocephalus* Baylis,1922)

= *Tetrabothrium albertinii* Brighety,1931

@ intestine of *Phoca ?vitulina* or *P. ?hispida*

Iceland, Spitsbergen

T. forsteri (Kreffft,1871) Fuhrmann,1904

= *Taenia forsteri* Krefft,1871

= *Prosthecocotyle forsteri* (Kreffft,1871)

Monticelli,1892

= *Prosthecocotyla diplosoma* Guiart,1935

= *Prosthecocotyla pachysoma* Guiart,1935

= *Trigonocotyle lintoni* Guiart,1935

= *Tetrabothrius delphini* Yamaguti,1942

= *Tetrabothrius dalli* Yamaguti,1951

@ e.g. *Delphinus delphis*, *Delphinus capensis*,

Globicephala melaena, *Phocanema dallii*,

?*Hyperoodon ampullatus* & ?*Mesoplodon bidens*

Mediterranean

T. ruudi Nybelin,1928

@ *Balaenoptera physalis*

W Norway, France, Ross Sea

T. innominatus Baer,1954

= *T. forsteri* Baer,1932, non (Kreffft,1871)

@ *Steno bredanensis*

?

T. immerianus (Abildgaard,1790) (™)

= *Taenia immeriana* Abildgaard,1790

= *Tetrabothrius macrocephalus* (Rudolphi,1810)

= *Tetrabothrius juncaeus* (Baird,1862)

= *Tetrabothrius arcticus* von Linstow,1901

= *Tetrabothrius lobatus* (von Linstow,1905)

= *Tetrabothrius perfidus* Joyeux & Baer,1934

= *Tetrabothrius rostratula* Yamaguti,1940

= *Paratetrabothrius orientalis* Yamaguti,1940 (p.p.)

@ *Gavia* spp., *Colymbus* spp., ?*Somateria*

molissima & ?*Rostratula benghalensis*

?

T. cylindraceus (Rudolphi,1819)

@ *Larus* spp., *Rissa tridactyla*, *Xema sabini*, *Sterna hirundo* & *Thalasseus maximus*

?

T. erostris (Lönningberg,1899)

= *Tetrabothrius cylindraceus* Linton,1927, non (Rudolphi,1819)

= *Tetrabothrius lari* Yamaguti,1935

@ *Larus* spp., *Rissa tridactyla*, *Sterna* spp., *Stercorarius* spp.

?

T. jaegerskioeldi Nybelin,1916

= *Tetrabothrius intrepidus* Baylis,1919

@ *Cephus grylle*, *Alca torda* & *Uria aalge*

?

T. sarasini Fuhrmann,1918

= *Tetrabothrius cylindraceus* Szpotanska,1929, non (Rudolphi,12819)

@ *Thalasseus bergii* & *Sterna paradisica*

?

T. heterosoma (Baird,1853)

@ *Morus bassanus*

?

T. skoogi Nybelin,1916

@ *Puffinus griseus*

?

T. procerus Spätlich,1909

= *Tetrabothrus heteroclitus* : Linton,1927, non Diesing,1850

@ *Puffinus* spp. & *Fulmarus glacialis*

?

T. minor (Lönningberg,1893)

= *Bothriotaenia erostis* var. *minor* Lönningberg,1893

= *Tetrabothrius monticellii* (Fuhrmann,1899)

= *Tetrabothrius strangulatus* Baylis,1914

= *Tetrabothrius minutus* Szpotanska,1917

@ *Fulmarus glacialis*, *Thalassoica antarctica* & *Diomedea irrorata*

?

Trigonocotyle Baer,1932

= *Prosthecocotyle* Monticelli,1891 (p.p.)

T. globicephalae Baer,1954 (™)

= *Prosthecocotyle monticellii* Linton,1923, non Fuhrmann,1899

= *Trigonocotyle monticellii* (Linton,1923)

Baer,1932

= *Trigonocotyle lintoni* Yamaguti,1942, non Guiart,1935

@ intestine of *Globicephala melaena* & *G. macrorhyncha*

Mediterranean, Atlantic, Pacific

Davaineidae Braun,1900

Ophryocotylinae Fuhrmann,1907

Ophryocotyle Friis,1869 (™ *Ophryocotyle proteus* Friis,1869)

O. insignis Lönningberg,1890

@ oystercatcher; cysticercoid larvae in *Patella vulgata*

?Sweden, British Isles

Three groups, with uncertain relations to those in the scheme above are treated here:

HAPLOPHARYNGIDA Karling,1974

Haplopharyngidae Karling,1965

Haplopharynx Meixner,1938

H. rostratus Meixner,1938 (™ - Kieler Bucht)
SW. Baltic, Bohuslän, Bergen, Sylt

LECITHOEPITELIATA Reisinger,1924

* Gremigni,1988, consider the group to belong
within the Neophora.

GNOSONESIMINA Karling,19??

Gnosonesimidae Reisinger,1926

Gnosonesima Reisinger,1926 (™ *G. antarctica*
Reisinger,1926 - Antarctic)
= *Gnosonesimila* Westblad,1952

G. borealis (Westblad,1952)
= *Gnosonesimila borealis* Westblad,1952 (™ of
Gnosonesimila Westblad,1952)
Skagerrak (W of Lysekil), in ca 360 m

G. brattstroemi Karling,1968
Bergen

G. reisingeri Karling,1968
Greenland (Disco)

G. sp. Karling,1968
Bergen

PRORHYNCHINA Karling,19??

Prorhynchidae Diesing,1862

* only terrestrial & limnic taxa

PROLECITHOPHORA Karling,1940

* Ehlers,1988, consider, with some hesitation,
this group as monophyletic and Ax, 1987, “with
reasonable
certainty” to belong somewhere among the
Neophora, without being able to determine their
adelphotaxon.

COMBINATA Karling,1940

* Norén & Jondelius 1999 found the subdivision
of Prolecithophora into Separata and Combinata
unnatural.

Protomonotresidae Reisinger,1924

Archimonotresis Meixner,1938

A. limophila Meixner,1938

= *Prolecithoplana lutheri* Karling,1940
Baltic, Gullmarn, Sylt, Amrum, Plymouth,
Cullercoats, S France

Cylindrostomidae Reisinger,1924

Allostoma van Beneden,1861

A. discors (Levinsen,1879)
= *Cylindrostoma discors* Levinsen,1879
W Greenland

A. durum Fuhrmann,1896
@ *Electra pilosa*, which are eaten by the species
Gullmarn, Tjärnö, Bergen, Plymouth, Isle of Man,
Mediterranean

A. oerstedii (Levinsen,1879)
= *Cylindrostoma oerstedii* Levinsen,1879
W Greenland

A. pallidum (von Beneden,1860)
= *Vortex pallidus* van Beneden, 1860
= *Cylindrostoma album* Levinsen,1879
= *Allostoma album* Levinsen,1879
Gullmar Area?, Millport, Plymouth,

A. neostiliferum Karling,1993
Hällö - shell sand in 8 m, Bergen

A. uterinum (Westblad, 1952) Karling, 1993
= *Enterostomula uterina* Westblad, 1952
NE Atlantic

Cylindrostoma Örsted,1845
= *Pseudostomum* Schmidt,1848 (p.p.)

C. elongatum Levinsen,1879
Engl. Channel, W Greenland

C. fmgalianum (Claparède,1861)
= *Enterostomum fmgalianum* Claparède,1861
Gullmarn, Bergen, Plymouth, Cullercoats, Isle of
Skye, White Sea

C. gracilis Westblad, 1955
Gullmarn, Bergen

C. lutheri (Westblad,1955) Karling, 1993
Bergen

C. paralutheri Karling,1993
Gullmarfjord area (Flatholmen), Tjärnö, Bergen

C. monotrochum (von Graff,1882)

Plymouth, Salcombe, ?Bergen, Adriatic, Black Sea

C. longifilum (Jensen,1878)
= *Cylindrostomum longifilum* Jensen,1878
* Is this a synonym of another species?
Bergen

C. tubiferum Westblad, 1955
Bergen

Einarhelmins Karling,1993

E. stilifera (Westblad,1955) Karling,1993
= *Monoophorum stiliferum* Westblad,1955 (™)
Swedish westcoast, Bergen, Plymouth area

Enterostomula Reisinger, 1926

E. austriacum (von Graff, 1882)
= *Allostoma austriacum* (von Graff,1882)
Ireland

E. graffi (de Beauchamp, 1913)
= *Allostoma graffi* (de Beauchamp,1913)
French Atlantic Coast

Euximia von Graff,1911

E. corniculata von Graff,1911
Bohuslän, Black Sea

E. baltica Meixner,1938
Baltic

Monoophorum Böhmig,1891

M. tubiferum (Westblad,1955) Karling,1993
= *Cylindrostoma* sp. (*C. tubiferum* n.sp.?)
Westblad,1955
Gullmarfjord area (Bonden - in shell sand), Bergen

M. elongatum (Gamble,1893)
= *Cylindrostoma elongatum* Gamble,1893, ?non
Levinsen,1879
Wembury Bay tide pools

M. striatum (von Graff,1878)
= *Opisthomum striatum* von Graff, 1878
Britain (Duke Rock), Calais, Roscoff, Mediterranean

Pseudostomidae von Graff,1908

Gonostomula Westblad,1955

G. anocelis Westblad,1955
Gullmarn

Reisingeria Westblad,1955

R. hexoculata Westblad,1955
Gullmarn, the bay outside the Tjärnö Laboratory in a
few meters depth, Iceland

Enterostomum Claparède,1861
* Correct family? Not mentioned by Cannon,1986

E. flavibacillum Jensen,1878
Bergen, Concarneau, W Greenland

Euxinia Graff,1911 (™ *Euxinia corniculata*
Graff,1911 - Black Sea)

E. baltica Meixner,1938
Kieler Bucht in shell sand down to 18 m depth,
Kristineberg area, Håkonsund (Skagerrak), Bergen

Graffia Levinsen,1879
* Correct family? Not mentioned by Cannon,1986.
Evidently considered as incertae sedis now.

G. capitata Levinsen,1879
W Greenland

Pseudostomum Schmidt,1848
= *Rusalka* Uljanin, 1870

P. arenarium Meixner,1938
Gullmarn, Bergen, Plymouth, HelgolandLevinsen,
1879

P. gracilis Westblad,1955
Gullmar Area, Bergen, Belgium

P. klostermanni (von Graff,1874)
= *Turbella klostermanni* von Graff,1874
= *Pseudostomum inerme* (Hallez,1879)
* yellowish
Gullmarn, Bergen, Plymouth

P. quadrioculatum (Frey & Leuckart,1847)
= *Vortex quadrioculata* Frey & Leuckart,1847
* colourless
Gullmarn, Tjärnö, Sylt, Bergen, Ireland, Faeroes,
Barents Sea, W Greenland, Engl. Channel,
Mediterranean, Black Sea

Uljaninidae Karling, 1963

Utianinia Levinsen, 1879

U. contractilis (Meixner, 1938)

= *Gastropharynx contractilis* Meixner, 1938
Kieler Bucht

U. mollissima Levinsen, 1879

= *Plagiostomula vivipara* Westblad, 1956
= *Gastropharynx limophilus* Riedl, 1956
* containing cleptocnids
Gullmarn, Koster Channel, Dröbak, Bergen,
Tromsø, Plymouth, Millport, Newcastle, W
Greenland

U. westbladi Karling, 1963

* containing cleptocnids
Dröbak, Trondheim

Genostomatidae von Graff, 1903

= Hypotrichinidae Karling, 1940

* This taxon should probably be moved to
Dalyellioida.

Genostoma Dörler, 1900

= *Hypotrichina* : Auctt., non Calandruccio, 1897

G. marsiliensis (Calandruccio, 1897)

= *Hypotrichina marsiliensis* Calandruccio, 1897

@ gill cavity parasites in *Nebalia*

?

G. tergestina (Calandruccio, 1897)

Hypotrichina tergestina Calandruccio, 1897

@ gill cavity parasites in *Nebalia*

?

Scleraulophoridae Marcus, 1950

Scleraulophorus Karling, 1940

S. cephalatus Karling, 1940

Bergen

Urastomidae Marcus, 1951

* Ehlers, 1988, believes that this family belongs
among the Rhabdozoa. Its natural position is likely
in the vicinity of Fecampiidae.

Urastoma Dörler, 1900

U. cyprinae (von Graff, 1882)

= *Acmostomum cyprinae* von Graff, 1882

@ on gills of *Arctica islandica* ; may be found in

other bivalves, e.g. *Mytilus* in arctic areas
W. Norway, Bohuslän, Baltic, Helgoland, White
Sea, Barents Sea, Mediterranean, Black Sea

SEPARATA Reisinger, 1924

* Norén & Jondelius 1999 found the division of
Prolecithophora into Separata and Combinata
unnatural.

Plagiostomidae von Graff, 1882

Acmostomum Schmarda, 1859

A. dioicum (Mecznikow, 1865)

= *Plagiostomum dioicum* : Auctt.

= *Acmostomum sarsii* (Jensen, 1878)

Gullmarn, Tjärnö, Dröbak, Bergen, Trondheim,
Millport, Plymouth, Ireland

Plagiostomum Schmidt, 1852

= *Vorticeros* Schmidt, 1852

= *Plicastoma* von Graff, 1908

= *Proporoplana* Reisinger, 1935

P. album Hyman, 1938

= *P. cinctum* Meixner, 1938

Gullmarn, Koster, Dröbak, Bergen, Millport,
Plymouth

P. anocelis Brandtner, 1934

W Greenland

P. brandtneri Westblad, 1956

= *P. anocelis* : Westblad, 1956, non Brandtner, 1934

?Gullmarn, ?Trondheim

P. caudatum (Levinsen, 1879)

= *Haplophorum caudatum* Levinsen, 1879

= *Plagiostomum oyense* de Beauchamp, 1921

@ cleaning symbiont of the isopod *Idothea neglecta*.
Plymouth, Ireland, W Greenland

P. chionoecetis Brandtner, 1934

@ *Chionoecetis opilio*

W Greenland

P. elongatum Gamble, 1893

Ireland

P. filicauda Westblad, 1956

Bergen, Scotland, Adriatic

P. girardi (O. Schmidt, 1857) sensu Westblad 1956

= *Vortex girardi* O. Schmidt, 1857

Gullmarn, Koster area, Plymouth, Port Erin, Roscoff, Mediterranean

P. girardi (O. Schmidt, 1857) ***groenlandica***
Brandtner, 1934
= *Acmostomum groenlandicum* Levinsen, 1879
W Greenland

P. koreni Jensen, 1878
= *P. arcticum* Brandtner, 1934
Gullmarn, Bergen, Plymouth, Port Erin, Millport, W Greenland

P. lemani Forel & DuPlessis, 1874
* Fresh water species, tolerating brackish oligohaline water (< 8 ppt S)
Finnish Baltic, Stockholm area, Karlskrona, Ireland, continental rivers & lakes

P. makroposthia Brandtner, 1934
W Greenland

P. nostrum Westblad, 1956
Gullmarn, Dröbak

P. ochroleucum von Graff, 1882
Gullmarn, Skagerrak, Bergen, Tromsö, Plymouth, Roscoff, Millport

P. parasitorium Brandtner, 1934
W Greenland

P. petrophilum Brandtner, 1934
W Greenland

P. porsildi Brandtner, 1934
W Greenland

P. pseudomaculatum Gamble, 1893
Ireland

P. sagitta (Uljanin, 1870)
= *Vortex sagitta* Uljanin, 1870
Ireland

P. siphonophorum (O. Schmidt, 1852)
= *P. chromogastrum* Graff, 1913
Ireland

P. striatum Westblad, 1956
Gullmarn, Dröbak, Plymouth

P. sulphureum von Graff, 1882
Ireland

P. vittatum (Frey & Leuckart, 1847)
= *P. boreale* Schmidt, 1852
Gullmarn, Koster, Dröbak, Bergen, Tromsö, Plymouth, Port Erin, Millport, Faeroes

P. whitmani von Graff, 1911
= *Alloeopharynx makropharynx* Steinböck, 1932
= *Plagiostoma (Alloeopharynx) makropharynx*
Brandtner, 1934
Plymouth, W Greenland

P. bimaculatum von Graff, 1882
?

P. cuticulata Brandtner, 1934
= *Plicastoma cuticulata* (Brandtner, 1934)
= *Brachyosthia cuticulata* Brandner :
Steinböck, 1932 (nomen nudum)
* Kulinich 1980 separated two subspecies of this species: *P. cuticulata cuticulata* and *P. cuticulata scandinavica* (Westblad, 1956). In the same paper *Plagiostomum brandtneri* Kulinich, 1980 was described, without reference to type locality.
Gullmarn, Dröbak, Skagerrak, Millport, W Greenland

P. jenseni (Reisinger, 1935)
= *Plicastoma jenseni* (Reisinger, 1935)
= *Proporoplana jenseni* Reisinger, 1926
Greenland (Fortune Bay) in 180m

P. karlingi (L. Ya. Kulinich, 1970)
= *Plicastoma norvegicum* Karling, 1940 (n. nud.)
* on sublittoral shell sand
Koster area, Bergen, Dröbak, Trondheim

P. auriculatum (O.F. Müller, 1777)
= *Planaria auriculatum* O.F. Müller, 1777
= *Vorticeros auriculatum* (O.F. Müller, 1777)
Gullmarn, Koster Area, Bergen, Helgoland, Ireland, Engl. Channel, Port Erin

P. luteum (Hallez, 1879)
= *Vorticeros luteum* Hallez, 1879
Engl. Channel

Torgeidae Jondelius, 1997