

PRELIMINARY LIST OF ZOOPLANKTON OF THE CANARY ISLANDS. I. CLADOCERA, COPEPODA, EUPHAUSIACEA, CHAETOGNATHA AND SALPS

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With 1 table

ABSTRACT. This study is based on investigations so far carried out by various teams of investigators including the planktologists concerned with the Zooplankton of the waters of the Canary Islands belonging to the Animal Biology Department of the University of La Laguna.

The resulting preliminary systematic list includes 3 species of water fleas (Cladocera), 312 of Copepods, 30 of Euphausiids, 21 of Chaetognatha and 3 of Salps.

RESUMEN. En este estudio se presentan los resultados de las investigaciones realizadas hasta el momento por diferentes equipos de investigación, entre los que se encuentra el de Planctología del Departamento de Biología Animal de la Universidad de La Laguna, dentro del campo del zooplancton de las aguas del Archipiélago Canario.

Se da una lista sistemática preliminar que incluye a 3 especies de Cladóceros, 312 especies de Copépodos, 30 especies de Eufausiáceos, 21 especies de Quetognatos y 3 especies de Sálpidos.

TABLE 1.—CHARACTERISTICS OF HAULS AT SAMPLING STATIONS OF ZOOPLANKTON STUDIES IN WATERS OF THE CANARY ISLANDS (COMPILED FROM THE SOURCES INDICATED).

CLADOCERA

Situation of stations : NE of Tenerife (San Andrés); SW of Tenerife (Los Cristianos); and South of El Hierro (Mar de las Calmas).

Net : Standard International WP-2 (250 μ).

Haul : Vertical 500 and 200 metres up to the surface (Diurnal and nocturnal).

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Expedition : D. C. M. I, II and III (Department of Marine Science).
Collection : Department of Animal Biology (Marine Science), University of La Laguna, Tenerife, Canary Islands, Spain.
Ship : Agamenón.
Source : Mingorance (in press), and Mingorance & Lozano (in press).

COPEPODA

Situation of stations : NE of Tenerife (San Andrés); East of Gomera; North of Fuerteventura; SE of Fuerteventura; and SW of Tenerife (Los Cristianos).
Net : Monoconic-net (62 μ and 475 μ), Neuston, N113, IKMT, and Juday-Bogorov (250 μ).
Haul : Surface and vertical 960-0 metres (Diurnal and nocturnal).
Expedition : Sond Cruise 1965.
Ship : Discovery.
Source : Corral (1970, 1972); Roe (1973); Fernandez Bigler (1973); and Vives (1982).

EUPHAUSIACEA

Situation of stations : South of Canary Islands (St 24); SE of Fuerteventura; and NE of Tenerife (San Andrés).
Net : Stramin-net (200 centimetres), Neuston, N113, IKMT, and Standard International WP-2 (250 μ).
Haul : Vertical 960-0; 500-0 and 200-0 metres (Diurnal and nocturnal).
Expedition : Atlantide (1945-1946) and Sond Cruise (1965).
Collection : Department of Animal Biology (Marine Science), University of La Laguna, Tenerife, Canary Islands, Spain.
Ship : Atlantide, Discovery and Agamenón.
Source : Boden (1961); Baker (1970); and Ros & Lozano (1986).

CHAETOGNATHA

Situation of stations : NE of Tenerife (San Andrés); SW of Tenerife (Los Cristianos); and South of El Hierro (Mar de las Calmas).
Net : Standard International WP-2 (250 μ).
Haul : Vertical 200 and 500 metres up to the surface (Diurnal and nocturnal).
Expedition : D. C. M. I, II and III (Department of Marine Science).
Collection : Department of Animal Biology (Marine Science), University of La Laguna, Tenerife, Canary Islands, Spain.
Ship : Agamenón.
Source : Hernandez (1985a, b, 1986); Hernandez & Jimenez (1986); and Hernandez & Lozano (1984).

SALPIDAE

Situation of stations : Whole Canary Archipelago.

Net : Standard International WP-2 (250 μ).

Haul : Vertical 200-0 metres (Diurnal).

Expedition : Canarias 85.

Collection : Department of Animal Biology (Marine Science), University of La Laguna, Tenerife, Canary Islands, Spain; and Department of Biology, Polytechnic University, Las Palmas, Spain.

Ship : B/I. Taliarte.

Source : Lorenzo (in press).

PRELIMINARY LIST OF ZOOPLANKTON OF THE CANARY ISLANDS

PHYLUM ARTHROPODA

Eucalanus elongatus (Dana, 1849)

CLASS CRUSTACEA

Eucalanus monachus Giesbrecht, 1888

Eucalanus pileatus Giesbrecht, 1888

Eucalanus subcrasus Giesbrecht, 1888

SUBCLASS BRANCHIOPODA

Rhincalanus cornutus (Dana, 1849)

ORDER CLADOCERA

Rhincalanus nasutus Giesbrecht, 1888

FAMILY SIDIIDAE

Penilia avirostris Dana, 1849

FAMILY PARACALANIDAE

Acrocalanus andersoni Bowman, 1958

Acrocalanus longicornis Giesbrecht,

1888

FAMILY POLYPHEMIDAE

Evadne spinifera Muller, 1868

Evadne tergestina Claus, 1862

Paracalanus denudatus Sewell, 1929

Paracalanus nanus G.O. Sars, 1907

Paracalanus nudus Sewell, 1929

SUBCLASS COPEPODA

Paracalanus parvus (Claus, 1863)

FAMILY CALANIDAE

Calanoides carinatus (Kroyer, 1849)

Calanus helgolandicus (Claus, 1863)

Calanus tenuicornis Dana, 1849

Megacalanus longicornis G. O. Sars, 1905

Megacalanus princeps Brady, 1883

Nannocalanus minor (Claus, 1863)

Neocalanus gracilis (Dana, 1849)

Neocalanus robustior Giesbrecht, 1888

FAMILY CALOCALANIDAE

Calocalanus contractus Farran, 1926

Calocalanus elegans Shmeleva, 1965

Calocalanus neptunus Shmeleva, 1965

Calocalanus pavo (Dana, 1849)

Calocalanus pavoninus Farran, 1936

Calocalanus plumatus Shmeleva, 1965

Calocalanus stylimeris Giesbrecht, 1888

Ischnocalanus equalicauda (Bernard, 1958)

Ischnocalanus gracilis (Tanaka, 1956)

Ischnocalanus plumulosus (Claus, 1863)

Ischnocalanus tenuis (Farran, 1926)

FAMILY EUCALANIDAE

Eucalanus attenuatus (Dana, 1849)

Eucalanus crassus Giesbrecht, 1888

Mecynocera clausi I. C. Thompson, 1888

FAMILY CLAUSOCALANIDAE

- Clausocalanus arcuicornis* (Dana, 1849)
Clausocalanus furcatus (Brady, 1883)
Clausocalanus paululus Farran, 1926
Clausocalanus pergens Farran, 1926
Ctenocalanus vanus Giesbrecht, 1888
Pseudocalanus minutus Kroyer, 1842

FAMILY SPINOCALANIDAE

- Mimocalanus cultrifer* Farran, 1908
Mimocalanus nudus Farran, 1908
Monacilla typica G. O. Sars, 1905
Spinocalanus abyssalis Giesbrecht, 1888
Spinocalanus angusticeps G. O. Sars, 1920
Spinocalanus magnus Wolfenden, 1904
Spinocalanus spinosus Farran, 1908

FAMILY AETIDEIDAE

- Aetideus armatus* Boeck, 1872
Aetideus acutus (Farran, 1929)
Aetidiopsis carinata Bradford, 1969
Aetidiopsis multiserrata (Wolfenden, 1904)
Chiridiella macrodactyla G. O. Sars, 1907
Chiridius poppei Giesbrecht, 1892
Chirundina streetsi Giesbrecht, 1895
Euaetideus giesbrechti Cleve, 1904
Euchirella amoena Giesbrecht, 1888
Euchirella bitumida With, 1915
Euchirella curticauda Giesbrecht, 1892
Euchirella mesinensis Claus, 1863
Euchirella rostrata Claus, 1866
Euchirella splendens (Vervoort, 1963)
Gaetanus armiger Giesbrecht, 1888
Gaetanus ferox (With, 1915)
Gaetanus kruppi Giesbrecht, 1904
Gaetanus minor Farran, 1905
Gaetanus pileatus Farran, 1903
Gaidius tenuispinus G. O. Sars, 1900
Pseudochirella cryptospina G. O. Sars, 1905
Pseudochirella obtusa G. O. Sars, 1905
Undeuchaeta major Giesbrecht, 1892
Undeuchaeta plumosa (Lubbock, 1856)

FAMILY EUCHAETIDAE

- Euchaeta acuta* Giesbrecht, 1892
Euchaeta hebes Giesbrecht, 1888
Euchaeta marina Prestandrea, 1833
Euchaeta media Giesbrecht, 1888
Euchaeta pubera G. O. Sars, 1907
Euchaeta spinosa Giesbrecht, 1892
Pareuchaeta barbata Brady, 1883
Pareuchaeta bisinuata G. O. Sars, 1907
Pareuchaeta hansenii With, 1915
Pareuchaeta incisa (Sars, 1905)
Pareuchaeta pseudotonsa (Fontaine, 1967)
Pareuchaeta sarsi Farran, 1909
Pareuchaeta tonsa Giesbrecht, 1895
Valdiviella insignis Farran, 1909

FAMILY PHAENNIDAE

- Cephalophanes refulgens* G. O. Sars, 1907
Cornucalanus indicus Sewell, 1929
Heteremalla dubia T. Scott, 1894
Onchocalanus cristatus Wolfenden, 1904
Onchocalanus steueri Pesta, 1920
Onchocalanus trigoniceps G. O. Sars, 1905
Phaenna spinifera Claus, 1863
Xanthocalanus agilis Giesbrecht, 1892
Xanthocalanus greenii Farran, 1905

FAMILY SCOLECITHRIDAE

- Amallothrix altera* (Farran, 1929)
Amallothrix auropecten (Giesbrecht, 1892)
Amallothrix curticauda A. Scott, 1909
Amallothrix emarginata Farran, 1905
Amallothrix obtusifrons G. O. Sars, 1905
Diaxis hibernica A. Scott, 1896
Lophothrix frontalis Giesbrecht, 1895
Lophothrix humilifrons G. O. Sars, 1905
Racovitzanus levis Tanaka, 1961
Scaphocalanus affinis G. O. Sars, 1905
Scaphocalanus brevicornis G. O. Sars, 1903
Scaphocalanus brevirostris (Park, 1970)
Scaphocalanus curtus Farran, 1926

- Scaphocalanus echinatus* Farran, 1909
Scaphocalanus insignis Brodski, 1950
Scaphocalanus magnus T. Scott, 1894
Scaphocalanus major (T. Scott, 1894)
Scaphocalanus medius G. O. Sars, 1907
Scaphocalanus subcurtus Park, 1970
Scaphocalanus subrevocornis (Wolfenden, 1911)
Scolecithricella abyssalis Giesbrecht, 1892
Scolecithricella auropecten Giesbrecht, 1892
Scolecithricella canariensis Roe, 1975
Scolecithricella dentata Giesbrecht, 1892
Scolecithricella laminata Farran, 1926
Scolecithricella ovata Farran, 1905
Scolecithricella profunda (Giesbrecht, 1892)
Scolecithricella pseudoarcuata Park, 1970
Scolecithricella tenuiserrata Giesbrecht, 1892
Scolecithricella valens Farran, 1926
Scolecithricella vittata Giesbrecht, 1892
Scolecithrix bradyi Giesbrecht, 1888
Scolecithrix danae (Lubbock, 1856)
Scolecithrix fowleri Farran, 1926
Scopalatum dubia (T. Scott, 1894)
Scopalatum giggera Roe, 1975
Scottocalanus helenae (Lubbock, 1856)
Scottocalanus persecans Giesbrecht, 1892
Scottocalanus securifrons J. Scott, 1894

FAMILY CENTROPAGIDAE

- Centropages bradyi* Wheeler, 1899
Centropages chierchiae Giesbrecht, 1889
Centropages hamatus Lilljeborg, 1853
Centropages kroyeri Giesbrecht, 1892
Centropages violaceus (Claus, 1863)
Isias clavipes Boeck, 1864

FAMILY TEMORIDAE

- Temeropsis mayumbaensis* T. Scott, 1893
Temora stylifera (Dana, 1848)
Temora turbinata (Dana, 1849)

FAMILY METRIDIIDAE

- Gaussia princeps* (T. Scott, 1894)
Metridia brevicauda Giesbrecht, 1889
Metridia effusa Grice & Hulsemann,
Metridia macrura G. O. Sars, 1905
Metridia princeps Giesbrecht, 1892
Metridia venusta Giesbrecht, 1892
Pleuromamma abdominalis (Lubbock, 1856)
Pleuromamma borealis (Dahl, 1893)
Pleuromamma gracilis (Claus, 1863)
Pleuromamma piseki Farran, 1929
Pleuromamma robusta (Dahl, 1893)
Pleuromamma xiphias (Giesbrecht, 1889)

FAMILY LUCICUTIIDAE

- Lucicutia bicornuta* Wolfenden, 1905
Lucicutia clausi (Giesbrecht, 1889)
Lucicutia curta Farran, 1905
Lucicutia flavicornis (Claus, 1863)
Lucicutia gaussae Grice, 1963
Lucicutia longicornis (Giesbrecht, 1889)
Lucicutia longiserrata Giesbrecht, 1892
Lucicutia ovalis Wolfenden, 1911
Lucicutia pera A. Scott, 1909
Lucicutia tenuicauda G. O. Sars, 1907

FAMILY HETERORHABDIDAE

- Disseta palumboi* Giesbrecht, 1889
Hemirhabdus grimaldii Richard, 1893
Hemirhabdus latus G. O. Sars, 1905
Heterorhabdus abyssalis Giesbrecht, 1889
Heterorhabdus clausi Giesbrecht, 1889
Heterorhabdus papilliger Claus, 1863
Heterorhabdus spinifrons Claus, 1862
Heterorhabdus tenuis Tanaka, 1964
Heterostylites major Dahl, 1894
Mesorhabdus brevicaudatus Wolfenden, 1905
Mesorhabdus gracilis G. O. Sars, 1907

FAMILY AUGAPTILIDAE

- Augaptilus glacialis* G. O. Sars, 1900
Augaptilus longicaudatus Claus, 1863
Centraugaptilus cucullatus G. O. Sars, 1905

Centraugaptilus horridus (Farran, 1908)
Centraugaptilus rattrayi J. Scott, 1893
Euaugaptilus angustus G. O. Sars, 1905
Euaugaptilus elongatus G. O. Sars, 1905
Euaugaptilus facilis Farran, 1908
Euaugaptilus filiger Claus, 1863
Euaugaptilus hecticus Giesbrecht, 1889
Euaugaptilus humilis Farran, 1926
Euaugaptilus hyperboreus Brodsky, 1950
Euaugaptilus laticeps G. O. Sars, 1905
Euaugaptilus latifrons G. O. Sars, 1907
Euaugaptilus longicirrhus (G. O. Sars, 1907)
Euaugaptilus longimanus G. O. Sars, 1905
Euaugaptilus magnus Wolfenden, 1904
Euaugaptilus maxillaris G. O. Sars, 1920
Euaugaptilus mixtus G. O. Sars, 1907
Euaugaptilus nodifrons G. O. Sars, 1905
Euaugaptilus oblongus G. O. Sars, 1905
Euaugaptilus rectus Grice & Hulsemann, 1967
Euaugaptilus rigidus (G. O. Sars, 1907)
Euaugaptilus squamatus Giesbrecht, 1892
Euaugaptilus tenuicaudis G. O. Sars, 1905
Euaugaptilus tenuispinus G. O. Sars, 1920
Euaugaptilus truncatus G. O. Sars, 1905
Haloptilus acutifrons Giesbrecht, 1892
Haloptilus angusticeps G. O. Sars, 1907
Haloptilus chierchiai (Giesbrecht, 1889)
Haloptilus fertilis Giesbrecht, 1892
Haloptilus longiceps Tanaka, 1964
Haloptilus longicirrus Brodsky, 1950
Haloptilus longicornis (Claus, 1863)
Haloptilus ornatus Giesbrecht, 1892
Haloptilus oxycephalus (Giesbrecht, 1889)
Haloptilus spiniceps Giesbrecht, 1892
Haloptilus tenuis Farran, 1908
Heteroptilus acutilobus G. O. Sars, 1905
Heteroptilus attenuatus G. O. Sars, 1905
Pachytilus abbreviatus G. O. Sars, 1905
Pachytilus eurygnathus G. O. Sars, 1905
Pontoptilus miticus G. O. Sars, 1905
Pseudaugaptilus longiremis G. O. Sars, 1907

FAMILY ARIETELLIDAE

Arietellus giesbrechti G. O. Sars, 1905
Arietellus pavonius G. O. Sars, 1905
Arietellus plumifer G. O. Sars, 1905
Arietellus simplex G. O. Sars, 1905
Paraugaptilus buchani Wolfenden, 1904
Phyllopus helgae Farran, 1908
Phyllopus impar Farran, 1908

FAMILY CANDACIIDAE

Candacia aethiopica Dana, 1848
Candacia armata Boeck, 1872
Candacia bipinnata Giesbrecht, 1892
Candacia curta (Dana, 1849)
Candacia ketchumi Grice, 1961
Candacia longimana Claus, 1863
Candacia paenelongimana
Candacia pachydactyla Dana, 1848
Candacia tenuimana Giesbrecht, 1892
Candacia varicans Giesbrecht, 1892
Paracandacia bispinosa Claus, 1863
Paracandacia simplex Giesbrecht, 1892

FAMILY PONTELLIDAE

Labidocera neril (Kroyer, 1863)
Pontella mediterranea (Claus, 1863)
Pontellina plumata Dana, 1849
Pontellopsis regalis Dana, 1849
Pontellopsis villosa Brady, 1883

FAMILY PARAPONTELLIDAE

Bathypontia elongata G. O. Sars, 1905
Bathypontia minor (Wolfenden, 1906)

FAMILY ACARTIIDAE

Acartia clausi Giesbrecht, 1889
Acartia danae Giesbrecht, 1889
Acartia discaudata Giesbrecht, 1881
Acartia negligens Dana, 1849
Acartia (*Paracartia*) *grani* G. O. Sars, 1904

FAMILY MORMONILLIDAE

Mormonilla minor Giesbrecht, 1891
Mormonilla phasma Giesbrecht, 1891

FAMILY OITHONIDAE

- Oithona brevicornis* Giesbrecht, 1891
Oithona helgolandica Claus, 1863
Oithona linearis Giesbrecht, 1891
Oithona nana Giesbrecht, 1892
Oithona plumifera Baird, 1843
Oithona pseudofrigida Rosendorn, 1917
Oithona robusta Giesbrecht, 1891
Oithona setigera Dana, 1849

FAMILY ECTINOSOMIDAE

- Microsetella norvegica* Boeck, 1864
Microsetella rosea Dana, 1852

FAMILY MACROSETELLIDAE

- Macrosetella gracilis* Dana, 1852

FAMILY TACHYDIIDAE

- Euterpina acutifrons* Dana, 1852

FAMILY CLYTEMNESTRIDAE

- Clytemnestra rostrata* Brady, 1883
Clytemnestra scutellata Dana, 1852

FAMILY MIRACIIDAE

- Miracia efferata* Dana, 1852

FAMILY AEGISTHIDAE

- Aegisthus dubius* G. O. Sars, 1916
Aegisthus mucronatus Giesbrecht, 1891

FAMILY ONCAEIDAE

- Conaea rapax* Giesbrecht, 1891
Lubbockia aculeata Giesbrecht, 1892
Lubbockia squillimana Claus, 1863
Oncaea conifera Giesbrecht, 1891
Oncaea curta G. O. Sars, 1916
Oncaea dentipes Giesbrecht, 1891
Oncaea media Giesbrecht, 1891
Oncaea mediterranea Claus, 1863
Oncaea ornata Giesbrecht, 1891
Oncaea similis G. O. Sars, 1918
Oncaea venusta Philippi, 1843

FAMILY SAPPHIRINIDAE

- Copilia denticulata* Claus, 1863
Copilia mediterranea Claus, 1863
Copilia mirabilis Dana, 1852

Copilia quadrata Dana, 1842

Copilia vitrea Haeckel, 1864

Sapphirina angusta Dana, 1849

Sapphirina auronitens Claus, 1863

Sapphirina darwini Haeckel, 1864

Sapphirina gastrica Giesbrecht, 1891

Sapphirina gemma Dana, 1849

Sapphirina intestinata Giesbrecht, 1891

Sapphirina iris Dana, 1849

Sapphirina metallina Dana, 1849

Sapphirina nigromaculata Claus, 1863

Sapphirina opalina Dana, 1849

Sapphirina ovatolanceolata Dana, 1849

Sapphirina stellata Giesbrecht, 1891

Vetтория granulosa Giesbrecht, 1891

FAMILY CORYCAEIDAE

Corycaeus (*Agetus*) *flaccus* Giesbrecht, 1891

Corycaeus (*Agetus*) *tipicus* Kroyer, 1849

Corycaeus (*Corycaeus*) *clausi* F. Dahl, 1894

Corycaeus (*Corycaeus*) *speciosus* Dana, 1848

Corycaeus (*Ditrichocorycaeus*) *anglicus* Lubbock, 1855

Corycaeus (*Ditrichocorycaeus*) *brehmi* Stever, 1910

Corycaeus limbatus Brady, 1888

Corycaeus (*Onychocorycaeus*) *giesbrechti* F. Dahl, 1894

Corycaeus (*Onychocorycaeus*) *latus* Dana, 1849

Corycaeus (*Onychocorycaeus*) *ovalis* Claus, 1863

Corycaeus (*Urocorycaeus*) *furcifer* Claus, 1863

Corycaeus (*Urocorycaeus*) *lautus* Dana, 1849

Farranula carinata (Giesbrecht, 1891)

Farranula rostrata (Claus, 1863)

SUBCLASS MALACOSTRACA

ORDER EUPHAUSIACEA

FAMILY EUPHAUSIIDAE

- Euphausia americana* Hansen, 1911

Euphausia brevis Hansen, 1905
Euphausia gibboides Ortmann, 1893
Euphausia hemigibba Hansen, 1910
Euphausia Krohnii (Brandt, 1851)
Nematobrachion boopis (Kalman, 1905)
Nematobrachion flexipes (Ortmann, 1893)
Nematobrachion sexspinosum Hansen, 1911
Nematoscelis atlantica Hansen, 1910
Nematoscelis megalops G. O. Sars, 1883
Nematoscelis microps G. O. Sars, 1883
Nematoscelis tenella G. O. Sars, 1883
Nyctiphanes couchii (Bell, 1853)
Nyctiphanes sp.
Stylocheiron abbreviatum G. O. Sars, 1883
Stylocheiron affine Hansen, 1910
Stylocheiron carinatum G. O. Sars, 1883
Stylocheiron elongatum G. O. Sars, 1883
Stylocheiron longicorne G. O. Sars, 1883
Stylocheiron maximum Hansen, 1908
Stylocheiron suhmii G. O. Sars, 1883
Thysanoessa gregaria G. O. Sars, 1883
Thysanoessa parva Hansen, 1905
Thysanopoda aequalis Hansen, 1905
Thysanopoda cristata G. O. Sars, 1883
Thysanopoda microphthalma G. O. Sars, 1885
Thysanopoda monacantha Ortmann, 1893
Thysanopoda obtusifrons G. O. Sars, 1883
Thysanopoda pectinata Ortmann, 1893
Thysanopoda subaequalis Boden, 1954

PHYLUM CHAETOGNATHA
Eukrohnia fowleri Ritter-Zahony, 1909
Eukrohnia hamata (Möbius, 1875)
Krohnitta pacifica (Aida, 1897)
Krohnitta subtilis (Grassi, 1881)
Pterosagitta draco (Krohn, 1853)
Sagitta bierii Alvarinho, 1961
Sagitta bipunctata Quoy & Gaimard, 1827
Sagitta decipiens Fowler, 1905
Sagitta friderici Ritter-Zahony, 1911
Sagitta hexaptera D'Orbigny, 1834
Sagitta inflata Grani, 1881
Sagitta lyra Krohn, 1853
Sagitta macrocephala Fowler, 1905
Sagitta minima Grassi, 1881
Sagitta planctonis Steinhaus, 1896
Sagitta serratodentata Krohn, 1853
Sagitta sibogae Fowler, 1906
Sagitta tasmanica Thomson, 1947
Sagitta zetesios Fowler, 1905
Sagitta sp.
Spadella cephaloptera (Busch, 1851)

PHYLUM CHORDATA
 CLASS THALIACEA

ORDER DESMOMYARIA

FAMILY SALPIDAE
Salpa fusiformis Cuvier, 1804
Salpa maxima Forskal, 1775
Thalia democratica (Forskal, 1775)

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