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# CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

World List Abbreviation: *Curr. Bibliogr. aquat. Sci. Fish*

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## EDITORIAL

Current Bibliogaphy for Aquatic Sciences and Fisheries will cease publication with Volume 17. In replacement Aquatic Sciences and Fisheries Abstracts (ASFA), which incorporates CBASF and Aquatic Biology Abstracts published by Information Retrieval Limited (IRL), will be produced in which FAO in Rome, Bundesforschungsanstalt für Fischerei in Hamburg, (GFR), Station d'Hydrobiologie in Biarritz, France and IRL in London, England, are collaborating. FAO are acting as coordinator and IRL are the publishers.

About 1000 abstracts in English will be published monthly; the original titles plus English translations will be given for non-English papers. Abstracts will be arranged in broad subject categories with monthly author, geographical and taxonomic (alphabetical not systematic) indexes. A detailed subject index will be produced either semi-annually or annually based on a thesaurus originally compiled by FAO and revised by Bundesforschungsanstalt für Fischerei. The new journal will be entirely computer orientated and therefore all data will be retrievable for retrospective searching. At present "Zentralstelle für machinelle Dokumentation" in Frankfurt is developing a completely mechanised system for storage and retrieval which will be operational in 1973.

Subscribers to Current Bibliography for Aquatic Sciences and Fisheries who have paid for Volumes 18 and 19 may receive six issues of Aquatic Sciences and Fisheries Abstracts in exchange. Enquiries regarding subscriptions to Aquatic Sciences and Fisheries Abstracts (ASFA) should be addressed to Information Retrieval Ltd., 38 Chancery Lane, London, W.C.2A 1EL.

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ASW - Cuba, Gulf of Mexico, Caribbean Sea. Meteorology. Geology - sediments. Oceanography - temperature, salinity, dissolved oxygen, nutrients, surface currents, vertical circulation, plankton, benthos. Fisheries resources - Pisces,

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Co 11-10114.
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The sea of opportunity

UK. General. Navigation and mapping. Weather forecasting. Pollution.

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Sea floor topography - methods and techniques. Abyssal hills - experimental data.

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Introducing an operational multi-beam array sonar

USA. Bathymetric charting system - technical description, operation.

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USA. Navigation - bathymetric charts. Bottom topography, depth evaluation.

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Les cartes doivent-elles porter les sondes non corrigées des diverses vitesses du son dans l'eau de mer?
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France. Navigation. Systems. Equipment. Experimental data.

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Do 11-115me.
Contains articles by: M. Yasui, S. Uyeda, S. Marauchi & N. Den; J.G. Gilg; R.A. Barkley; S. Hikosaka, S. Yoshida & J. Okumoto; D.M. Husby; M. Ishino & K. Otsuka; E.C. LaFond & E.L. Smith; C.K. Lee; W.B. McAlister, F. Favorite & W.J. Ingraham,Jr.; A.M. Muromtsev; H. Nitani & D. Shoji; A.A. Rogotsky; D. Shoji & K. Iwasa; Sok-U Yi; K.M. Chan; Tsu-You Chu; P.E. Card & LaViolette; B.A. Taft; K. Yoshida; G.A. Cannon; H. Nitani; Y. Sugiura; S. Motoda, T. Kawamura & S. Nishizawa; S. Motoda, H. Irie & I. Yamazi; I. Yamazi; M.S. Kun, G.N. Gladkikh, E.P. Karedin, W.P. Pavlychev, W.I. Rachkov & E.G. Starodubtsev; Sung Yun Hong; Joo Suck Park; Wen-Kuang Liaw; Tien-hsi Tan; Wen-young Tseng; C.P. Yu & C.W. Lee; J. Magnusson, E.O. Tan & R.M. Legasto; A.K. Tham, H.W. Khoo & T.E. Chua; A. Suzuki; K. Fujino; S. Ueyanagi; S. Hattori; T. Hirano & M. Fujimoto; D. Eggleston; E.L. Nakamura; V. Hongskul; A.P. Isarankura; G. Kühlmorgan-Hille; P. Sucondhamarn, C. Tantisawetrat & U. Sriruangneep; E.O. Tan; Ah Kow Tham; Wo Il Choo; Ih-hsiu Tung; Yong Mun Kim & Yong Sool Kim; W. Chomjurai & R. Bunnag; D. Menasveta; M.L.P. Tongyai; T. Otsu; R.N. Uchida; Hi Soo Han & Yeong Gong; M. Uda.

Elliott, D.H. (1970) 17-1M135
Underwat.Sci.Technol.J., 2(1):4-10
Man underwater. 3. His return to the surface

UK. Underwater exploration. Decompression parameters - physiological and technical analysis.
Co 17-1M101.

Haigh, K.R. (1970) 17-1M136
Underwat.Sci.Technol.J., 2(1):11-6
Oceanographic instrumentation for Ben Franklin

U.K. Research submarine, equipment - systems and technical data.

Elliott, D.H. (1970) 17-1M137
Underwat.Sci.Technol.J., 2(2):69-73
Man underwater. 4. His limitations as a submersible

UK. Underwater exploration. Depth limits. Effects of pressure and helium toxicity. Oxygen starvation. Experimental data.
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(Bibliography of the Hokkaido Regional Fisheries Research Laboratory (Aug. 1951 - May 1969)). Ni

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Design, fabrication and acceptance testing.

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UnderSea Technol., 11(9):26-9
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(Geomorphology of the Scotia Sea)

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ASW, ASE. Geomagnetism. Spreading history - regional discontinuities.

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ASW. Geology - sediments. Topography - physiographic subdivisions. Oceanography - water masses, currents, tides and waves.
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PSEW. Geography. Oceanography. Submarine geology.

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Contr.Oceanogr.Coll.Geosci.Texas A & M Univ., 11, 1967-1968, No. 342:213-6
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PSEW. Geography. Submarine geomorphology. Geology - sediments. Oceanography.

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PSEW. Geography. Submarine geology. Oceanography. Biological productivity.

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Canada. Apparatus. Technical description - operation.

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USA. Apparatus - technical description. Issued also as: Contr.Chesapeake Bay Inst., (100).

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USA. Methods. Formula given. Chemical composition of natural and artificial sea waters. Data on chlorinity, salinity and pH of artificial sea water.

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ISEW - Marshall Islands. Suspended organic matter. Origin, distribution, structure, production rate. Significance as food for zooplankton - experiments with Artemia nauplii. Underwater observations.

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ISE - Bay of Panama. Surface tension and surface potential measurements. Rate of adsorption - effect of stirring and bubbling.

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USA - Pacific Ocean. Bottom topography - methods.

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ISEW. Current measurements - velocity, direction.

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A new method for the automatic measurement of dissolved organic carbon in sea water

Germany - Federal Republic. Chemistry. Apparatus - technical description, operation. Experimental data.

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USSR. Mathematical theory.

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Western Mediterranean. Submarine geology, magnetism.

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USA - Pacific coast. Methods, apparatus. Experimental data.

Cullen, D.J. (1970) 17-2M269
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USA - Pacific coast. Mathematical theory - equations. Experimental data.

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Lithification of deep sea sediments by Pyrite

USA - Atlantic coast.

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ASW, ASE. Cores sampling, magnetic anomalies, acoustic reflection. Paleontology. Stratigraphy. Lithology. Sedimentation rate. Sea-floor spreading - hypothesis.

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UK. Methods, instrumentation techniques. Tests - diagrams.

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(Application of radioactive methods to the study of sediment movement. Case of the Gulf of Fréjus). En

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(Current measurements in the bottom proximity in the Gulf of Gascony)

France. Atlantic coast. Hydrodynamics - velocities, variations.

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(Contribution to the study of the sedimentation conditions in the roadstead of Brest)

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(Conservation technique of the sea water samples for the storage of phosphates, nitrites, nitrates, silica and boron. Methods of analysis and results concerning the deep sea water samplee obtained along the coast of Monaco and in the North Atlantic). En
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(Cruise "Gibraltar 1" of the oceanographic ship RS JEAN CHARCOT, 7 April - 12 May 1967. Hydrological results and current measurements)

ASE - Gulf of Cadiz, Strait of Gibraltar. Tabulated data of oceanographic stations.

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Echanges de sels nutritifs dissous entre la mer Méditerranée et l'océan Atlantique
(Interchanges of nutrient salts between Mediterranean Sea and Atlantic Ocean). En

ASE - Gulf of Cadiz and Gibraltar Strait. Oceanographic cruise. Hydrological conditions - temperature, salinity, dissolved oxygen. Phosphate - horizontal and vertical distribution - effect on primary productivity.

Giresse, P. (1969) 17-2M283
Cah.océanogr., 21(10):965-94
Carte sédimentologique des fonds sous-marins du delta de l'Ogooué
(Sedimentological chart of the submarine bottom in the region of the Delta of Ogooue)

ASE - Gabon. Methodology - classification of grains and deposits. Morphology and bathymetry. Hydrodynamical factors. Sediments distribution. Morphogenesis. Fauna - Foraminifera, Ostracoda, Bryozoa, Echinodermata, Mollusca.

Mascle, J. (1970) 17-2M284
Cah.océanogr., 22(1):25-32
Les sédiments du canyon de Toulon
(The sediments in the canyon of Toulon)

Western Mediterranean - French coast. Core sampling. Regional and bathymetric distribution. Constituents and origin. Classification.

Mauffret, A. (1970) 17-2M285
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Structure des fonds marins autour des Baléares
(The sea-floor structure in the region of the Balearic Islands)

Western Mediterranean. Submarine geology - seismic refractions. Topography - canyons, faults.

Madelain, F. (1970) 17-2M286
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(Influence of the bottom topography on the outflow of Mediterranean water between the Strait of Gibraltar and Saint-Vincent Cape). En

ASE. Hydrological regime - data on temperature, salinity, current velocity, T/S diagrams, water masses. Effect of coriolis. Scheme of general water circulation.

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(Photographic study of the bottom in the region of the Gulf of Cadiz)

ASE. Sediments - photographic survey, coring. Structure, dynamics, effect of currents. Topography.

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The initial phase of deep water formation in the northwest Mediterranean, during Medoc '69, on the basis of observations made by ATLANTIS II, January 25 - February 12, 1969

Hydrological conditions. Salinity, temperature, horizontal and vertical distribution. Vertical mixing - effect of winds.

Donguy, J.-R. (1970) 17-2M291
Cah.océanogr., 22(4):353-66
Observations de surface le long des lignes de navigation dans la partie ouest de l'océan Indien
(Surface observations along shipping lines in the western region of the Indian Ocean). En

Hydrological conditions - temperature and salinity - seasonal and regional variations. T/S diagrams analysis. Water masses, upwelling.

Gougenheim, A. (1970) 17-2M292
Cah.océanogr., 22(3):213-7
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(A rational elimination of industrial water wastes)

France - Mediterranean coast. Pollution - bauxite wastes. Effect on benthos - azoic zone.

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Cah.océanogr., 22(3):219-23
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(International temperature scale of 1968 and its practical application to oceanography)

France. General review - theory. Relation to thermodynamic temperature. Techniques.

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Cah.océanogr., 22(3):225-6
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(Hydrological balance of the Black Sea and Mediterranean Sea)

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Calcul de la salinité et de la densité de l'eau de mer à partir de mesures "in situ" de température, conductivité électrique et pression
(Calculation of salinity and density of the sea water, starting from the temperature, electrical conductivity and pressure "in situ" measurements)

France. Methods. Theory and experimental examples.

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Preliminary biological chemical and physical observations in the Corinth canal area. Fr

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Cah.océanogr., 22(3):269-76
Evolution rapide de régimes de circulation non permanents des couches d'eaux superficielles dans le secteur sud-est du golfe de Gascogne
(Rapid evolution of the non-permanent circulation regime of the superficial water layers in the south-eastern region of the Gulf of Gascony)

France - Atlantic coast. Hydrological structure - T/S diagrams analysis.

Gallardo, Y. (1970) 17-2M299
Cah.océanogr., 22(3):277-88
Contribution à l'étude du golfe de Guinée. Hydrologie et courants dans la région de l'île Annobon
(Contribution to the study of the Gulf of Guinea. Hydrology and currents in the region of Annobon Island). En

ASE. Hydrodynamics - currents system. Data on temperature, salinity, dissolved oxygen, phosphate - horizontal and vertical distribution, monthly variation. Thermocline. Upwelling.

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(Observations on semi-monthly mean sea level in the English Channel)

France. Data summarized in chart.

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Cah.océanogr., 22(5):439-55
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(Granulometric study of sediments in the shelf region of Chardonnière (Oleron Island). Importance of the modes analysis of the frequency curves)

France - Atlantic coast. Sediment types - distribution. Plurimodal granulometry - statistical analysis.

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(Some generalities on the measurement of submarine irradiance). En

France. Photometry - methods and techniques.

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(Bathy-irradiance-meter). En

France. Photometry - apparatus. Technical description, operation.

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France. Photometry - apparatus. Technical description, operation.

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(Measure of the submarine irradiant energy)

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(Submarine photometer for the measurement of total quanta). En

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Sur la circulation de l'eau d'origine Méditerranéenne dans le Golfe de Gascogne et ses variations à courte période
(On the circulation of water of Mediterranean origin in the Gulf of Gascony and its short periodical variations)

ASE - France. Hydrodynamics. Distribution of temperature and salinity, analysis of T-S diagrams.

Noel, J. & J. Merle (1969) 17-2M311
Cah.océanogr., 21(7):663-71
Analyse des courants superficiels et subsuperficiels équatoriaux durant une période de six jours à 170° est. Courant Equatorial Pacifique et courant de Cromwell
(Analysis of surface and subsurface equatorial currents during a six-day period at 170°). En

ISEW. Hydrodynamics - current structure, effect of tidal waves.

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(Seasonal variations of the sea level in the Barents Sea)

ANE. Maregraph records - analysis of data, factors of variation.

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Cah.océanogr., 20(8):647-74
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(Regarding an upwelling phenomena of deep sea waters in the region of the Gulf of Marseille (October 1964). Biological consequences). En

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Cah.océanogr., 20(8):675-82
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(Two improvements to the piston coring sampler)

France. Apparatus - technical description, operation, experimental data.

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(Results of hydrological observations and current measurements in the region of Annobon Island (1°25'S - 5°37'E))

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USA - Pacific coast. Distribution of temperature and salinity - relation to salmon migration and euphausiids abundance.
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(Distribution of nutrients in the area of Bocche di Bonifacio and Asinara Gulf. Cruise of RS BANNOCK, 1964). It En Fr

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(The pollution of Italian marine coastal waters. Causes, effects on the biological environment, control and prevention).
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(Survey of hydrological conditions in the northern region of the Mozambique Channel). En

ISW. Hydrodynamics. Temperature, salinity, dissolved oxygen, phosphate - horizontal and vertical distribution. Water masses - seasonal circulation.

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Cah.O.R.S.T.O.M.(Hydrobiol.), 7(2): 27-43
Remarques sur le courant de Cromwell
(Observations on the Cromwell current).
En

ISEW, ISE. Hydrochemistry. Temperature, salinity, dissolved oxygen, phosphate, nitrate, total carbon dioxide - horizontal and vertical distribution. Water layers origin - thermosteric anomalies, remineralization ratios.

Merle, J. & J. Noel (1969) 17-2M343
Cah.O.R.S.T.O.M.(Hydrobiol.), 7(2): 95-100
Sur l'évolution de la relation température-salinité en un point fixe, a l'équateur, dans le Pacifique occidental, pendant une période de 6 jours
(On the evolution of the relation between temperature and salinity in the western Pacific at the equator, in a fixed station, during a 6-day period). En

ISEW. T-S diagram analysis, time variation. Influence of zonal currents and tidal waves.

Horn, M.H., J.M. Teal & R.H. Backus (1970) 17-2M344
Science, 168(3928):245-6
Petroleum lumps on the surface of the sea

Mediterranean Sea, ASE. Oil pollution. Quantitative distribution, characteristics. Relation to marine fauna - Idotea, Lepas, Scomberesox.

Weiss, R.F. (1970) 17-2M345
Science, 168(3928):247-8
Helium isotope effect in solution in water and seawater

USA. Chemistry - analytical data.

Revelle, R. (1969) 17-2M346
Scient.Am., 221(3):55-65
The ocean

World ocean. Exploration - history. Geology. Resources - uses.

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Scient.Am., 221(3):66-75
The origin of the oceans

World ocean. Geological history. Magnetism.

Stewart, R.W. (1969) 17-2M348
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The atmosphere and the ocean

World ocean. Marine meteorology. Winds - effect on water circulation.

Calvert, S.E. & N.B. Price (1970) 17-2M349
Nature,Lond., 227(5258):593-5
Minor metal contents of recent organic-rich sediments off South West Africa

PSW. Coring samples - texture, organic and carbonate carbon, diatomaceous opal, trace metal. Axoic zone - relation to upwelling and primary productivity. Concentration and distribution of Cu, Ni, Pb, Zn.

Deuser, W.G. (1970) 17-2M350
Science, 168(3939):1575-7
Carbon-13 in Black Sea waters and implications for the origin of hydrogen sulfide

Chemistry. Anoxic zone. Contribution of organic sulfur - analytical data.

Emery, K.O. (1969) 17-2M351
Scient.Am., 221(3):107-22
The continental shelves

World ocean. Geology. Geographic distribution, extension. Formation, history. Sediments.

Menard, H.W. (1969) 17-2M352
Scient.Am., 221(3):127-42
The deep-ocean floor

World ocean. Geology. Formation - dynamic processes, sediments, tectonics, volcanism.

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Scient.Am., 221(3):167-76
The physical resources of the ocean

World ocean. Geology. Oil and mineral resources - estimation. Current production.

Wilson, D.F., J.W. Swinnerton & R.A. Lamontagne (1970) 17-2M354
Science, 168(3939):1577-9
Production of carbon monoxide and gaseous hydrocarbons in seawater: Relation to dissolved organic carbon

USA. Chemistry - laboratory experiments.

Scrutton, R.A. (1970) 17-2M355
Nature,Lond., 227(5260):826-7
Results of a seismic refraction experiment on Rockall Bank

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Origin of the Hurd Deep, English Channel

ANE. Submarine geology - mapping.

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ANW, ASE. Submarine geology - exploration.
Co 17-2M210.
Available from the Superintendent of Documents, Washington, D.C.

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Science, 169(3944):474-7
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PNE, PNW. Historic geology - sediment cores, paleomagnetic stratigraphy. Calcareous benthic Foraminifera - regional and zonal occurrence - climatic units.

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Dokl.Akad.Nauk SSSR, 193(1):184-7
Tsirkonii v sovremennykh osadkakh Chernogo moria
(Zirconium in recent sediments of the Black Sea)

Geochemistry - regional distribution.

Belova, I.V. (1970) 17-2M360
Dokl.Akad.Nauk SSSR, 193(2):433-6
Tsink v sovremennykh chernomorskikh otlozheniiakh
(Zinc in recent Black-Sea sediments)

USSR. Geochemistry - analytical data, regional quantitative distribution.

Lubchenko, I.Iu. (1970) 17-2M361
Dokl.Akad.Nauk SSSR, 193(2):445-8
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(Lead in recent Black Sea sediments)

USSR. Geochemistry - analytical data, regional quantitative distribution.

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AN. AS. Geophysics - seismic reflexion survey. Diapirs morphology.

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USA - ISE, ISEW. Radiocarbon activity in zooplankton, bathypelagic crustacea and fish. Relation to food drain system and cycle of organic carbon.

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Boln Inst.Mar Perú, 2(5):161-323
Oceanografía de las aguas costeras del Perú
(Oceanography of the coastal waters of Peru)

ISE. Climatology. Hydrology - temperature, salinity, dissolved oxygen, nutrients - water masses, currents, upwelling - waves, tides. Productivity - photosynthesis, chlorophyll a content, carbon uptake.

Preston, A. & D.F. Jefferies (1969)C 17-2M365
In Environmental contamination by radioactive materials. Vienna, IAEA, pp. 183-211
Aquatic aspects in chronic and acute contamination situations

UK, ANE. Pollution. Radionuclides concentration - water, sediment, biota. Present statement, control.

McNulty, J.K. (1970) 17-2M366
Stud.trop.Oceanogr., (9):107 p.
Effects of abatement of domestic sewage pollution on the benthos, volumes of zooplankton, and the fouling organisms of Biscayne Bay, Florida

USA - Atlantic coast. Water pollution - ecological effects.

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In Environmental contamination by radioactive materials. Vienna, IAEA, pp. 309-24
Aquatic monitoring programmes

UK. Water pollution, radioactive contamination - assessment, control, survey.

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12 p.
"World Glory" oil spill, Durban, South Africa, 14 June 1968. Event report

Pollution. Chronological event report.

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Dokl.Akad.Nauk SSSR, 192(2):320-3
Sviaz' mezhdu temperaturoi poverkhnostnoi vody v okeane i moshchnost'iu tropicheskogo uragana
(The power of tropical hurricane as related to the temperature of surface water in the ocean)

USSR. Theory. Application to Atlantic Ocean.

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Dokl.Akad.Nauk SSSR, 193(3):692-5
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USSR. Geochemistry - analytical data, regional quantitative distribution.

Vine, F.J. (1970) 17-2M371
Nature,Lond., 227(5262):1013-7
The geophysical year

World ocean. Geophysics - deep-sea drilling investigations. Sea floor spreading, magnetic anomalies, tectonics.

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Observation of formation of deep water in the Mediterranean Sea, 1969

Western Mediterranean. Hydrodynamics. Temperature, salinity and density distribution. Water types. Mixing, sinking and spreading phases. Velocity field.

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Nature,Lond., 227(5262):1041-3
Temperature gradient above the deep-sea floor

USA - ISE. Field observations.

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Geochemical evidence for ocean floor spreading in South Atlantic Ocean

ASW. ASE. Sediments, coring. Iron and aluminium content - ratios, vertical distribution, accumulation rates.

Harris, T.F.W. (1970) 17-2M375
Nature,Lond., 227(5262):1043-4
Planetary-type waves in the south west Indian Ocean

PSW. ISW. Agulhas return current - dynamic topography - flow patterns.

Sandstrom, H. (1969) 17-2M376
Deep-Sea Res., 16(5):405-10
Effect of topography on propagation of waves in stratified fluids

Canada. Mathematical theory, experimental tests.
Issued also as: Contr.Bedford Inst.Oceanogr., (84).

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USA. Mathematical theory.
Issued also as: Contr.Dep.Oceanogr.Univ.Wash., (482).

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The effects of a vertical barrier on internal waves

Australia. Mathematical theory.

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On the transport of mass by time-varying ocean currents

USA. Mathematical theory. Calculation of mean mass flux. "Stokes velocity" - oscillatory waves.
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Subsurface currents off the Oregon coast as measured by parachute drogues

USA - Pacific coast. Hydrodynamics - current velocity, water transport, tidal flow.

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Deep-Sea Res., 16(5):463-72
Subtropical mode water

North Pacific Ocean. Water type-classification Characteristics, volume distribution, dynamics.
Issued also as: Contr.Chesapeake Bay Inst., (134).

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Tidal-period internal waves in a tidal stream

UK. Thermal structure. Modulation theory.

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Deep-Sea Res., 16(5):479-87
Short internal waves in the Strait of Gibraltar

Western Mediterranean. Records of a buoy system.

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Deep-Sea Res., 16(5):489-96
Formation of iodide - iodine in the ocean

Japan. Biochemistry - bacterial and enzymatic reduction of iodate. Culture experiments, analytical data. Iodine circulation system.

Stern, M.E. & J.S. Turner (1969) 17-2M385
Deep-Sea Res., 16(5):497-511
Salt fingers and convecting layers

USA. Mathematical theory, laboratory experiments.

Weyl, P.K. (1969) 17-2M386
Deep-Sea Res., 16(5):513-23
Equivalent salinity, a new oceanographic parameter for the study of vertical motion in the sea

World ocean. Definition, application, geographical variations.

LaViolette, P.E. & P.L. Chabot (1969) 17-2M387
Deep-Sea Res., 16(5):539-47
A method of eliminating cloud interference in satellite studies of sea surface temperatures

ISE, Gulf of California. Analysis of data, mapping - isotherms.

Sternberg, R.W. (1969) 17-2M388
Deep-Sea Res., 16(5):549-54
Camera and dye-pulser system to measure bottom boundary-layer flow in the deep sea

USA. Apparatus - measurement of velocity vertical variation. Technical description, operation.
Issued also as: Contr.Dep.Oceanogr.Univ.Wash. (481).

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J.Fish.Res.Bd Can., 27(1):125-91
Integrating radiometer: A self-contained device for measurement of submarine light energy in absolute units

Canada. Apparatus - technical description, calibration, use.
Issued also as: Contr.Bedford Inst.Oceanogr., (171).

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600 p.
XXXV comissão oceanográfica "Operação Norte/Nordeste I" NOc "ALMIRANTE SALDANHA" (14/9 a 16/12/1967) (35th oceanographic cruise NOc "ALMIRANTE SALDANHA" (From 14/9 to 16/12/1967)). Pr

ASW - northern Brazil. Graphic and tabulated data on temperature, salinity, density, dissolved oxygen, nutrients, transparency, primary productivity. Plankton samples. Sedimentology.

Jillett, J.B. (1969) 17-2M391
N.Z.Jl mar.freshwat.Res., 3(3):349-75
Seasonal hydrology of waters off the Otago Peninsula, south-eastern New Zealand

PSE. Water masses. Temperature and salinity - horizontal and vertical distribution. Density. Currents system.

Larsen, L.H. (1969) 17-2M392
Deep-Sea Res., 16(6):587-603
Oscillations of a neutrally buoyant sphere in a stratified fluid

USA. Fluid dynamics. Mathematical theory - equations. Experimental observations.

Mehu, A. & A. Johannin-Gilles (1969) 17-2M393
Deep-Sea Res., 16(6):605-11
Variation de la réfraction spécifique de l'eau de mer étalon de Copenhague et de ses dilutions en fonction de la longueur d'onde, de la température et de la chlorinité (Variation of specific refractivities of the Copenhagen standard sea water and of their dilutions in function of wave length, temperature and chlorinity). En

France. Calculs, table of results.

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Deep-Sea Res., 16(6):613-24
Suspended matter along the continental margin of the North American Basin

ANW, ASW. Light scattering - nephelometric determinations. Relation to bottom waters. Issued also as: Contr.Lamont geol.Obs., (1388).

Ku, Teh-Lung & W.S. Broecker (1969) 17-2M395
Deep-Sea Res., 16(6):625-37
Radiochemical studies on manganese nodules of deep-sea origin

World ocean. Sediments - uranium, thorium, protactinium and radium contents - geographic and bathymetric variations. Formation of nodules.
Issued also as: Contr.Woods Hole oceanogr. Instn, (2223).

Chester, R. & M.J. Hughes (1969) 17-2M396
Deep-Sea Res., 16(6):639-54
The trace element geochemistry of a North Pacific pelagic clay core

INE. Sediments, distribution of MnO, $Fe_2O_3$, Cu, Pb, Co, Ni, Cr, V - quantitative regional variations.

Bush, S.A. & P.A. Bush (1969) 17-2M397
Deep-Sea Res., 16(6):655-60
Trincomalee and associated canyons, Ceylon

ISW. Geology, bathymetry, magnetics.

Gordon, D.C.,Jr. (1969) 17-2M398
Deep-Sea Res., 16(6):661-5
Examination of methods of particulate organic carbon analysis

Canada. Sampling and analytical methods.

Von Huene, R. (1969) 17-2M399
Mar.Geol., 7(6):475-99
Geologic structure betweeen the Murray fracture zone and the Transverse Ranges

ISE, ISEW. Geophysical survey - mapping, seismic reflection transects.

Spiess, F.N. et al. (1969) 17-2M400
Mar.Geol., 7(6):501-27
Detailed geophysical studies on the northern Hawaiian Arch using a deeply towed instrument package

ISEW. Gephysical survey. Topographic features - bathymetry. Seismic reflection profiles. Magnetism. Bottom photographs.

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La Jolla, Calif., 806 p.
Initial reports of the deep sea drilling project. A project planned and carried out with the advice of the Joing Oceanographic Institutions for Deep Earth Sampling (JOIDES). Vol. 3, covering leg 3 of the cruises of the drilling vessel GLOMAR CHALLENGER, Dakar, Senegal to Rio de Janeiro, Brazil, December 1968 - January 1969. Arther E. Maxwell et al., participating scientists. Prepared for the National Science Foundation by the Scripps Institution of Oceanography, La Jolla, Calif.
ASW, ASE. Submarine exploration - sediments. Geochemistry.
Co 17-2M357.
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Science, 169(3948):862-4
Deep-sea tides 1250 kilometers off Baja California

ISE. Tidal pressure fluctuations on sea floor. Methods.

Attaway, D. & P.L. Parker (1970) 17-2M403
Science, 169(3946):674-6
Sterols in recent marine sediments

USA - ASW, ISE. Geochemistry. Core samples, sterolic fractions - significance as geochemical indicators.

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Science, 169(3946):676-8
Oil spills: Method for measuring their extent on the sea surface

USA - ISE. Oil pollutants - aerial survey, image densities. Thermal infrared imaging system - densitometric colour emphasis - automatic digital planimetry of surveyed area.

Berger, W.H. (1970) 17-2M405
Mar.Geol., 8(2):111-38
Planktonic foraminifera: Selective solution and the lysocline

ISE, ISEW, PSW. Samples from plankton and sediment. Destruction of foraminiferal shells - rate of destruction, interspecific variations. Laboratory experiments.

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Mar.Geol., 8(2):139-54
Composition and evolution of the oceanic crust

World ocean. Geophysics. Oceanic crustal composition - seismic characteristics. Laboratory experiments - properties of rocks.

Holtedahl, O. (1970) 17-2M407
Mar.Geol., 8(2):155-72
On the morphology of the west Greenland shelf with general remarks on the "marginal channel" problem

ANW. Submarine depressions - bathymetry, geologic history. Comparison with Norwegian shelf.

Wilde, P., J. Holden & C. Isselhardt (1970) 17-2M408
Mar.Geol., 8(2):173-8
Non-destructive wet weighing of marine sediments

USA. Methods - mathematical theory, laboratory techniques.

Harrison, W. (1969) 17-2M409
Mar.Geol., 7(6):529-51
Empirical equations for foreshore changes over a tidal cycle

USA - ANW. Geometrical changes, field observations - effects of beach characteristics. Mathematical theory.

Traganza, E.D. (1969) 17-2M410
Bull.mar.Sci., 19(4):897-904
Fluorescence excitation and emission spectra of dissolved organic matter in sea water. Es

USA - ASW, Sargasso Sea. Fluorometry - Trichodesmium blooms, laboratory culture of Skeletonema.

Liu, C.L. & J.E. Smith (1969) 17-2M411
Oceanol.int., 4(7):27-9
Deep-sea moorings. Deep mooring-anchoring technology assumes increasing role

USA. Oceanography, transmission of data information. Technical systems operation.

Patton, K.T. & G.T. Griffin (1969) 17-2M412
Mar.Technol.Soc.J., 3(6):27-40
An analysis of marine corer dynamics

USA. Sediments. Core samples - computer programming, mathematical model.

Kolodny, Y. & I.R. Kaplan (1970) 17-2M413
Geochim.cosmochim.Acta, 34(1):3-24
Uranium isotopes in sea-floor phosphorites

World ocean, continental shelf region. Geochemistry - sediments, radioactivity. Isotope concentrations, activity ratios, nodules age. Relation to upwelling. Methods, experimental techniques.

Savin, S.M. & S. Epstein (1970) 17-2M414
Geochim.cosmochim.Acta, 34(1):43-63
The oxygen and hydrogen isotope geochemistry of ocean sediments and shales

World ocean. Chemistry, mineralogy - analytical data, isotopic composition. Iron and manganese oxides - distribution, origin, age.
Issued also as: Contr.Div.geol.Sci.Calif.Inst. Technol.,(1542).

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Cah.océanogr., 22(6):543-70
Etude des phénomènes non linéaires dérivés de l'onde lunaire moyenne $M_2$ dans la Manche
(The study of the phenomena of non linear derivation of the $M_2$ semi-diurnal moon tide in the English Channel)

France. Littoral tidal waves propagation. Theory, application.

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Cah.océanogr., 22(6):571-80
Large vertical currents observed in a winter sinking region of the northwestern Mediterranean. Fr

Hydrodynamics - current measurements.

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Ocean Engng, 1(6):597-9
A self-deactivating piston for a piston corer

USA. Geology, sediments - apparatus. Technical description, operation, use.

Tooms, J.S. (1970) 17-2M418
Underwat.Sci.Technol.J., 2(1):28-33
Metal deposits in the Red Sea - their nature, origin and economic worth

ISW. Metalliferous sediments. Brines and precipitates - mineral contents. Economic potential.

Draper, L. (1970) 17-2M419
Underwat.Sci.Technol.J., 2(2):81-6
Routine sea-wave measurement - a survey

UK. Methods and techniques, data analysis.

Triulzi, C., L. Tassi Pelati & M.G. Mezzadri (1969) 17-2M420
Archno Oceanogr.Limnol., 16(2):103-15
Laboratory studies on vertical distribution of Sr, Cs, Ce, Pm and Eu in traced cores of marine sediments. It

Italy - Western Mediterranean. Radioactivity stratification, artificial radionuclides.

Lenardon, G. (1969) 17-2M421
Archno Oceanogr.Limnol., 16(2):129-61
Ricerche sedimentologiche e petrografiche su due carote prelevate dal fondo marino al largo di Napoli
(Sedimentological and petrographical researches on two cores from the Thyrrenian Sea off Naples). It En

Italy - Western Mediterranean. Granulometry, mineralogical analytical data.

Macchi, G., B. Cescon & D. Mameli-D'Errico (1969) 17-2M422
Archno Oceanogr.Limnol., 16(2):163-71
A volumetric determination of sulphate in sea water. It

Italy, Mediterranean Sea. Water chemistry - methods and techniques, experimental data.

Jongsma, D. (1970) 17-2M423
Nature,Lond., 228(5267):150-1
Eustatic sea level changes in the Arafura Sea

Australia - ISEW. Historic geology. Bottom topography and morphology - seismic and echosounder profiles.

Bostrom, R.C. & M.A. Sherif (1970) 17-2M424
Nature,Lond., 228(5267):154-6
Disposal of waste material in tectonic sinks

World ocean. Sediment accumulation.

Glangeaud, L., C. Bobier & B. Szep (1970) 17-2M425
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(5): 473-8
Les structures mégamétriques de la Méditerranée: la mer d'Alboran et l'"arc" de Gibraltar
(The megametric structure of the Mediterranean Sea: the Alboran Sea and the "arc" of Gibraltar)

Western Mediterranean, ANE. Geodynamics, seismic reflections. Geological evolution.

Parkinson, L.E. (1970) 17-2M426
Underwat.Sci.Technol.J., 2(2):63-8
Marine gravel prospecting

UK. Sedimentology - research methods, equipment. Experimental data.

Woods, J.D. & N.R. Watson (1970) 17-2M427
Underwat.Sci.Technol.J., 2(2):90-9
Measurement of thermocline fronts from the air

UK. Methods and techniques - airborne radiation thermometer. Experimental data - Mediterranean Sea.

Gazey, B.K. (1970) 17-2M428
Underwat.Sci.Technol.J., 2(2):105-15
Visibility and resolution in turbid waters

UK. Optical properties - effect of scattering particles. Factors affecting resolution experiments.

Szekielda, K.-H. (1969) 17-2M429
J.Cons.perm.int.Explor.Mer, 33(1):14-9
The application of a chemical model to calculate the "theoretical" organic carbon in seawater

ISW - Arabian Sea. Theory, equations - experimental data.

Isaacs, J.D. & W.R. Schmitt (1969) 17-2M430
J.Cons.perm.int.Explor.Mer, 33(1):20-9
Stimulation of marine productivity with waste heat and mechanical power

USA. Artificial upwelling - methods. Nutrients effect, biological equilibria, numerical applications. Equations for numerical estimates.

Morin, R.W., F. Theyer & E. Vincent (1970) 17-2M431
Science, 169(3943):365-6
Pleistocene climates in the Atlantic and Pacific Oceans: A reevaluated comparison based on deep-sea sediments

Submarine geology - distribution and abundance of Foraminifera.

Valentine, J.W. & E.M. Moores (1970) 17-2M432
Nature.Lond., 228(5272):657-9
Plate-tectonic regulation of faunal diversity and sea level: A model

Historic geology - continental shelf.

Aubert, M. et al. (1969) 17-2M433
Revue int.Océanogr.méd., Vol.1 Suppl., 72 p.
Côtes de France. Etude générale des pollutions chimiques rejetées en mer. Inventaire et études de toxicité. Tome 1. Méthodologie
(Coasts of France. General study of the chemical pollution discharged into the sea. Inventory and toxicity studies. Volume 1. Methodology)

Pollutants. Types of pollution. Physico-chemical methods, tests of toxicity.

Aubert, M. et al. (1969) 17-2M434
Revue int.Océanogr.méd., Vol.2 Suppl.,135 p.
Côtes de France. Etude générale des pollutions chimiques rejetées en mer. Inventaire et études de toxicité. Tome 2. Méditerranée
(Coasts of France. General study of the chemical pollution discharged into the sea. Inventory and toxicity studies. Volume 2. Mediterranean Sea)

Methods and techniques. Areal divisions. Pollutants - physicochemical characteristics. Co 17-2M433.

Ensminger, H.R. (1970) 17-2M435
UnderSea Technol., 11(2):22-5
Seismic profiling in the Gulf of Mexico

ASW. Geophysics.

Stepanov, V.N. (1969) 17-2M436
Okeanologiia, 9(5):755-66
Obshchaia klassifikatsiia vodnykh mass Mirovogo okeana, ikh formirovanie i perenos
(The general classification of water masses of the World Ocean, their formation and transport). En

Hydrodynamics - analysis of thermohaline fields, vertical circulation patterns.

Bogorov, V.G. et al. (1969) 17-2M437
Okeanologiia, 9(5):767-72
O kharaktere i prichinakh izmeneniia estestvennogo elektricheskogo polia vodnoi tolshchi okeana po vertikali
(On the character and causes of the vertical change of the electric field in the ocean). En

USSR. Natural electric field potential - factors, relation to biological processes.

Radikevich, V.M. (1969) 17-2M438
Okeanologiia, 9(5):773-80
Vliianie stratifikatsii blazhnosti na protsessy v privodnom sloe atmosfery
(The effects of humidity stratification on the processes in the atmospheric near-water layer). En

ANW, ANE, ASE. Marine meteorology.

Nikiforov, E.G., E.I. Chaplygin & A.O. Shpaikher (1969) 17-2M439
Okeanologiia, 9(5):782-90
Baricheskie sistemy i dinamicheskie protsessy v Arkticheskikh moriakh
(Pressure systems and dynamic processes in the Arctic seas). En

USSR - PNW. Marine meteorology - effect on hydrological conditions.

Smirnov, E.A. (1969) 17-2M440
Okeanologiia, 9(5):791-5
O biokhimicheskikh aspektakh formirovaniia uglevodorodnykh fraktsii masel sovremennykh morskikh osadkov
(On the biochemical aspects of the formation of the hydrocarbonic fractions of oils in the recent marine sediments). En

I, PS. Bitumens - structural group composition, relation to composition of marine organisms, origin of naphthenes. Biogenic theory of petroleum.

Romankevich, E.A. & V.E. Artem'ev (1969) 17-2M441
Okeanologiia, 9(5):796-806
Sostav organicheskogo veshchestva osadkov Kurilo-Kamchatskogo zheloba
(The composition of organic matter of the sediments from the Kurile-Kamchatka trench). En

USSR - INW. Analytical data - C, N, carbohydrates, lipids, humic matter. Origin, distribution, geochemical cycle.

Ploshko, V.V. et al. (1969) 17-2M442
Okeanologiia, 9(5):807-22
Petrokhimiia giperbazitov glubokovodnoi vpadiny Romansh
(The petrochemistry of ultrabasites of the deep-sea Romanche trench). En

AN, AS. Geochemistry. Mineral components - distribution, ratios, formation.

Neprochnov, Iu.P. & I.N. El'nikov (1969) 17-2M443
Okeanologiia, 9(5):823-33
Rezul'taty seismicheskikh issledovanii stroeniia osadochnoi tolshchi Chernomorskoi vpadiny na profile Ialta-Sinop
(Results of the seismic studies of structure of the Black Sea sediments along the Yalta-Sinop section). En

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Okeanologiia, 9(5):834-45
Ob uchastii soobshchestv perifitonnykh mikroorganizmov v ekologicheskom metabolizme v more. Vzaimodeistvie soobshchestv s rastvorennym organicheskim veshchestvom morskoi vody
(On the role of periphytic communities in ecological metabolism in the sea. The interaction of the communities with dissolved organic matter of the sea water). En

USSR. Field experiments. Organic metabolites.

Wooster, W.S., A.J. Lee & G. Dietrich (1969) 17-2M445
Okeanologiia, 9(5):881-3
Novoe opredelenie poniatiia "Solenost'"
(Redefinition of salinity)

Theory.
Ru 16-2M252.

Fomin, L.M. & L.V. Moskalenko (1969) 17-2M446
Okeanologiia, 9(6):939-43
K raschetu kasatel'nogo napriazheniia vetra nad morem
(On the computation of wind stress over the sea). En

USSR. Marine meteorology - methods.

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Okeanologiia, 9(6):944-52
Prostranstvennaia diskretnost' nabliudenii nad techeniiami v pribrezhnoi zone moria
(Space discreteness of current observation in the near-shore zone of sea). En

USSR. Hydrodynamics - methods.

Gorshkov, A.S. (1969) 17-2M448
Okeanologiia, 9(6):953-8
Obobshchenie formul A.N. Krylova dlia rascheta natiazheniia i formy ribkoi niti v potoke
(Generalization of A.N. Krylov's formulae for computing strain and shape of a flexible thread in a flow). En

USSR. Hydrodynamics - mathematical theory.

Vorobbev, V.N. (1969) 17-2M449
Okeanologiia, 9(6):959-65
K izucheniiu 19-letnikh prilivnykh kolebanii srednego urovnia moria v vysokikh shirotakh zemli
(On the study of nineteen-year tidal variations of the mean sea level in the earth's high latitudes). En

USSR - PNW.

Bogdanov, M.A. et al. (1969) 17-2M450
Okeanologiia, 9(6):966-74
O frontal'noi zone v more Skotiia
(On the frontal zone in the Scotia Sea). En

PSW, PSEW. Hydrodynamics - currents, water masses. Thermal structure, silicate distribution.

LaViolette, P.E. (1969) 17-2M451
UnderSea Technol., 10(12):26-7, 32
Tiros M - a new source of valuable ocean data

USA. Satellite scanning radiometry - surface thermal conditions. General information, technical data, applications.

Atkinson, L.P. & U. Stefánsson (1969) 17-2M452
Geochim.cosmochim.Acta, 33(11):1449-53
Particulate aluminium and iron in sea water off the southeastern coast of the United States

USA - ANW. Hydrochemistry, analytical data. Relation to salinity. Effect of mixing process.

Dasch, E.J. (1969) 17-2M453
Geochim.cosmochim.Acta, 33(12):1521-52
Strontium isotopes in weathering profiles, deep-sea sediments, and sedimentary rocks

AN, AS, ISE. Geochemistry - methods and techniques. Analytical data.

Hawley, J. & R.M. Pytkowicz (1969) 17-2M454
Geochim.cosmochim.Acta, 33(12):1557-61
Solubility of calcium carbonate in seawater at high pressures and 2°C

INE, ISEW. Theory, calculation. Experimental data.

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Average abundances of Mn, Fe, Ni, Co, Cu, Pb, Mo, V, Cr, Ti and P in Pacific pelagic clays

ISEW. Chemistry. Analytical data.

Neumann, H. (1969) 17-2M456
Dt.hydrogr.Z., 22(2):57-65
Bemerkungen zur Trift der Ölschmutzstoffe in der Deutschen Bucht
(Notices on the drift of oil sludge in the German Bight). En Fr

Germany - Federal Republic. ANE - North Sea. Pollution. Oils.

Shcherbinin, A.D. (1969) 17-2M457
Okeanologiia, 9(6):975-87
Glubinnye vody Indiiskogo okeana
(Deep waters of the Indian Ocean). En

ISW, PSW, PSE, PSEW. Water masses structure - hydrological characteristics, horizontal distribution. Density, T/S diagrams.

Grigorashch, E.K. & L.A. Korneva (1969) 17-2M458
Okeanologiia, 9(6):988-95
Volny tsunami, soprovozhdavshie Anapskoe zemletriasenie 12 iiulia 1966 g.
(Tsunami waves caused by the Anapa earthquake of 12 July, 1966). En

USSR - Black Sea. Estimation of wave lengths, isochrone map.

Pustel'nikov, O.S. (1969) 17-2M459
Okeanologiia, 9(6):1018-30
Kolichestvennoe raspredelenie vzvesi v tsentral'noi i iugo-vostochnoi chastiakh Baltiiskogo moria
(The quantitative distribution of suspended matter in the central and southeastern Baltic Sea). En

USSR. Horizontal and vertical distribution. Regional variations. Origin. Effect of living organisms.

Baturin, G.N. (1969) 17-2M460
Okeanologiia, 9(6):1031-7
Uran v poverkhnostnom sloe osadkov severo-zapadnoi chasti Indiiskogo okeana
(Uranium in the surface sediment layer of the northwestern Indian Ocean). En

ISW. Geochemistry. Analytical data of shelves, continental slope and abyssal plains.

Bogorov, G.V. (1969) 17-2M461
Okeanologiia, 9(6):1038-48
Morfometriia severnoi chasti Sredinnogo Atlanticheskogo khrebta
(Morphometric features of the northern portion of the Mid-Atlantic ridge). En

ANW, ANE, ASE. Geomorphology. Bottom relief forms - quantitative estimates, geomorphological zones.

Sharikov, Iu.D. (1969) 17-2M462
Okeanologiia, 9(6):1095-9
Nabliudeniia s samoleta kharaktera dvizheniia vody v poverkhnostnom sloe moria
(Water movements in the sea surface layer as observed from a plane). En

USSR. Aerophotographic survey. Methods - technical description, application.

Swift, D.J.P. (1970) 17-2M463
Mar.Geol., 8(1):5-30
Quaternary shelves and the return to grade

USA - ANW. Geologic history. Sedimentation, transport of sediments.

Conolly, J.R., A. Flavelle & R.S. Dietz (1970) 17-2M464
Mar.Geol., 8(1):31-58
Continental margin of the Great Australian Bight

PSE. Geophysical survey. Seismic, aeromagnetic and gravity data of sediments.

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Mar.Geol., 8(1):59-83
Sedimentation and structure of the continental margin in the vicinity of the Otway Basin, southern Australia

PSE. Geophysical survey, geologic history. Bathymetry - submarine canyons. Sedimentation. Seismic reflection profiles. Structural evolution.

Marlow, M.S. et al. (1970) 17-2M466
Mar.Geol., 8(1):85-108
Buldir depression - a late tertiary graben on the Aleutian Ridge, Alaska

USA - INE. Geologic history, sediments, tectonics. Bathymetry, geomorphology. Bottom photographs.

Kelley, J.J., Jr. (1970) 17-2M467
Limnol.Oceanogr., 15(1):80-7
Carbon dioxide in the surface waters of the North Atlantic Ocean and the Barents and Kara Seas

ANE, PNW. Water chemistry, atmospheric interaction. Analytical data, regional variations - correlations with temperature, dissolved oxygen and salinity.

Chew, F. & G.A. Berberian (1970) 17-2M468
Limnol.Oceanogr., 15(1):88-99
Some measurements of current by shallow drogues in the Florida Current

USA, ASW. Hydrodynamics - mean surface velocity, meandering. Geostrophic departure. Turbulent dispersion. Horizontal divergence.

Shonting, D.H. & G.S. Cook (1970) 17-2M469
Limnol.Oceanogr., 15(1):100-12
On the seasonal distribution of temperature and salinity in Rhode Island Sound

USA - ANW. Hydrography. Temperature-salinity relationships, halocline, thermocline, thermal energy. Effect of fresh water outflow.

Pyle, T.E. & T.T. Tieh (1970) 17-2M470
Limnol.Oceanogr., 15(1):153-4
Strontium, vanadium, and zinc in the shells of pteropods

USA - ASW, Gulf of Mexico. Mollusca Opisthobranchiata. Biogenic sediments - mineral trace elements in Diacria, Cavolinia, Cresis, Euclio, Atlanta.

Culberson, C. & R.M. Pytkowicz (1970) 17-2M471
Limnol.Oceanogr., 15(1):160-2
A near-bottom water sampler

USA. Apparatus - technical description, use.

Wagner, F.S.,Jr. (1969) 17-2M472
Contr.mar.Sci., 14:115-53
Composition of the dissolved organic compounds in seawater: a review

USA. Chemistry - methods of determination, experimental techniques, selected bibliography.

dos Santos Franco, A. (1970) 17-2M473
Int.hydrogr.Rev., 47(1):92-112
Fundamentals of power spectral analysis as applied to discrete observations

Brazil. Tides, ocean waves. Mathematical theory - complex Fourier series. Computer programming, experimental data.

dos Santos Franco, A. (1970) 17-2M474
Int.hydrogr.Rev.(Fr), 47(1):93-115
Principes de l'analyse spectrale appliquée à une suite de valeurs discrètes (Fundamentals of power spectral analysis as applied to discrete observations)

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Nagata, Y. (1970) 17-2M475
J.mar.Res., 28(1):1-14
Detailed temperature cross section of the cold-water belt along the northern edge of the Kuroshio

INW. Thermic structure - temperature inversion layer.

Culberson, C., R.M. Pytkowicz & J.E. Hawley (1970) 17-2M476
J.mar.Res., 28(1):15-21
Seawater alkalinity determination by the pH method

USA, Oregon. Total alkalinity - modification of Anderson and Robinson method. Alkalinity equation, experimental data, application.

Price, N.B., S.E. Calvert & P.G.W. Jones (1970) 17-2M477
J.mar.Res., 28(1):22-34
The distribution of iodine and bromine in the sediments of the southwestern Barents Sea

ANE. Geochemistry, cores samples. Analytical data - relation to organic carbon, accumulation rates.

Huang, N.E. (1970) 17-2M478
J.mar.Res., 28(1):35-50
Mass transport induced by wave motion

USA. Hydrodynamics. Mathematical theory, equations. Theoretical prediction, experimental observations.
Issued also as: Contr.Dep.Oceanogr.Univ. Wash., (512).

Collins, C.A. & J.G. Pattullo (1970) 17-2M479
J.mar.Res., 28(1):51-68
Ocean currents above the continental shelf off Oregon as measured with a single array of current meters

USA - INE. Currents system - velocity variations, thermic structure, effect of winds.

Swift, D.J.P. & R.G. Pirie (1970) 17-2M480
J.mar.Res., 28(1):69-95
Fine-sediment dispersal in the Gulf of San Miguel, western Gulf of Panama: A reconnaissance

ISE. Bottom and suspended sediments - granulometric and mineralogic analysis, dispersal factors. Regional hydrography.

Warsh, K.L., M. Garstang & P.L. Grose (1970) 17-2M481
J.mar.Res., 28(1):99-112
A sea-air interaction deep-ocean buoy

USA. Oceanographic fixed station - technical description, uses.

Brewer, P.G., D.W. Spencer & P.E. Wilkniss (1970) 17-2M482
Deep-Sea Res., 17(1):1-7
Anomalous fluoride concentrations in the North Atlantic

ASW, ANE, ASE. Chemistry. Excess fluoride in sea water - hypothesis of a colloidal phenomenon.
Issued also as: Contr.Woods Hole oceanogr. Instn, (2343).

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Deep-Sea Res., 17(1):9-17
Quantitative analysis of total carbon dioxide in sea water: A new extraction method

USA. Laboratory and shipboard methods - technical description, gravimetric calibration, calculation of results.

Williams, P.M. & L.I. Gordon (1970) 17-2M484
Deep-Sea Res., 17(1):19-27
Carbon-13: carbon-12 ratios in dissolved and particulate organic matter in the sea

USA - ISE, ASW. Method and techniques. Total dissolved organic carbon, biochemical fraction. Analytical data for sea water, plankton and bathypelagic organisms.

Kuo, H.-H. & G. Veronis (1970) 17-2M485
Deep-Sea Res., 17(1):29-46
Distribution of tracers in the deep oceans of the world

Hydrodynamics, abyssal circulation - mathematical model, equations.

Cox, M.D. (1970) 17-2M486
Deep-Sea Res., 17(1):47-75
A mathematical model of the Indian Ocean

ISW. Hydrodynamics - current and water mass properties. Somali current.

Worthington, L.V. (1970) 17-2M487
Deep-Sea Res., 17(1):77-84
The Norwegian Sea as a mediterranean basin

ANE. Oceanic circulation. Water and heat budgets - volume transport estimates. Issued also as: Contr.Woods Hole oceanogr. Instn, (2329).

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Deep-Sea Res., 17(1):85-90
An explanation of supercooled waters in the Ross Sea

PSEW. Subfreezing temperature records. Vertical distribution, hydrographic correlations.

Zalkan, R.L. (1970) 17-2M489
Deep-Sea Res., 17(1):91-108
High frequency internal waves in the Pacific Ocean

USA, California - ISE. Hydrodynamics - internal wave propagation. Theory and experimental data. Equipment and techniques.

Miyashiro, A., F. Shido & M. Ewing (1970) 17-2M490
Deep-Sea Res., 17(1):109-23
Petrologic models for the mid-Atlantic ridge

ASW. Geology - serpentinites and metabasites. Petrological structure, magnetic properties. Anomalous upper mantle. Issued also as: Contr.Lamont-Doherty geol. Obs., (1422).

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Deep-Sea Res., 17(1):125-40
Pleistocene paleoclimates and foraminiferal biostratigraphy in subantarctic deep-sea cores

PSE. Paleo-oceanography - sediments, foraminiferal zones. Alternations of cold and warmer water planktonic species - age estimations.

Ruddiman, W.F., D.S. Tolderlund & A.W.H. Bé (1970) 17-2M492
Deep-Sea Res., 17(1):141-55
Foraminiferal evidence of a modern warming of the North Atlantic Ocean

ANW, ASW, ASE. Historic geology, paleoecology. Foraminifera of core and plankton samples - distribution in surface sediments, comparison between fossil and living species.

Johnson, D.A. & T.C. Johnson (1970) 17-2M493
Deep-Sea Res., 17(1):157-69
Sediment redistribution by bottom currents in the central Pacific

ISEW. Submarine geology - core samples. Sediment types, age, accumulation rate, bottom topography.

Gordon, D.C.,Jr. (1970) 17-2M494
Deep-Sea Res., 17(1):175-85
A microscopic study of organic particles in the North Atlantic Ocean

ANW, ANE, ANS. Suspended organic matter - aggregates, flakes, fragments. Total concentration, size frequency distributions, abundance, reactions to histochemical stains.

McIntyre, A. (1970) 17-2M495
Deep-Sea Res., 17(1):187-90
Gephyrocapsa protohuxleyi sp.n. a possible phyletic link and index fossil for the Pleistocene

AN, AS. Historic geology, sediments - Coccolithophoridaceae. Core samples, stratigraphy.

Kenyon, K.E. (1970) 17-2M496
Deep-Sea Res., 17(1):197-201
A note on conservative edge wave interactions

USA. Hydrophysics. Mathematical model, application.

Murray, C.N. & J.P. Riley (1970) 17-2M497
Deep-Sea Res., 17(1):203-9
The solubility of gases in distilled water and sea water 3. Argon

England. Water chemistry. Methods, experimental data.
Co 16-2M251.

Kennett, J.P. & N.D. Watkins (1970) 17-2M498
Nature,Lond., 227(5261):930-4
Geomagnetic polarity change, volcanic maxima and faunal extinction in the South Pacific

PSE, PSEW. Geophysics, sediments - historic geology.

Kaula, W.M. (1970) 17-2M499
Science, 169(3949):982-5
Earth's gravity field: Relation to global tectonics

World ocean. Geophysics - gravity anomalies.

Gartner, S., Jr. (1970) 17-2M500
Science, 169(3950):1077-9
Sea-floor spreading, carbonate dissolution level, and the nature of horizon A

ASW, ASE. Sediments - historic geology.

Kvenvolden, K.A., E. Peterson & F.S. Brown (1970) 17-2M501
Science, 169(3950):1079-82
Racemization of amino acids in sediments from Saanich Inlet, British Columbia

Canada - INE. Geochemistry.

Manheim, F.T. & F.L. Sayles (1970) 17-2M502
Science, 170(3953):57-61
Brines and interstitial brackish water in drill cores from the deep Gulf of Mexico

ASW. Geochemistry, sediments - interstitial salinity, mineral salts content. Origin of fresh water formation.

Kampa, E.M. (1970) 17-2M503
J.mar.biol.Ass.U.K., 50(2):397-420
Underwater daylight and moonlight measurements in the eastern North Atlantic

ASE - Portugal coast, Madeira and Canary Islands. Light penetration, irradiance intensity, spectral characteristics. Biological implications - planktonic organisms, sonic-scattering layer. Methods and instruments.

Kenchington, R.A. (1970) 17-2M504
J.mar.biol.Ass.U.K., 50(2):489-98
An investigation of the detritus in Menai Straits plankton samples

UK, Wales - ANE. Suspended organic matter. Seasonal cycle, composition - dry weight, detritus index, caloricity, available energy - value as food.

Vinogradova, T.L. (1969) 17-2M505
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:267-81
Organicheskoe veshchestvo v poverkhnostnom sloe osadkov zapadnogo shel'fa Kamchatki i zaliva shelikhova
(Organic matter in the upper layer of sediments on the West Kamchatka shelf and in the Shelikhov Bay)

USSR - INW. Quantitative distribution. Origin. Silicon content - relation to diatoms abundance.

Voronov, P.S. & S.S. Nezametdinova (1970) 17-2M506
Dokl.Akad.Nauk SSSR, 194(4):905-8
Zakonomernosti orientirovki riftovykh dolin sredinnookeanicheskikh khrebtov
(The regularities of the orientation of rift valleys in median-oceanic ridges)

World Ocean. Submarine geology.

Weydert, P. (1970) 17-2M507
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(20): 1748-51
Interprétation granulométrique d'un modèle actuel: les ensembles sédimentaires récifaux de la baie de Tuléar (Sud-Ouest de Madagascar)
(Granulometric interpretation of an actual model: The coraline sedimentary complex of the Tulear Bay (Southwest of Madagascar))

ISW. Sedimentary stocks - geomorphology, description.

ANON. (1970) 17-2M508
Offshore Technol., 2(1):36-8
The side scan sonar concept

UK. Acoustics - bottom topography. Mehotds and equipment.

ANON. (1970) 17-2M509
UnderSea Technol., 11(2):29
Comex develops automated ocean instrument package

France. Apparatus - automatic measurement of sound velocity, pressure, temperature and salinity.

Contreras, L., P. (1969) 17-2M510
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Problemas sanitarios del litoral (Sanitary problems of the litoral).
En Fr De

Spain - ASE. Pollution. Bacteriology. Effects on environment and molluscs. Sanitation policy.

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Ber.dt.wiss.Kommn Meeresforsch., 20(2): 155-64
Über ein Gerät zur gleichzeitigen Bestimmung von sechs chemischen Komponenten aus dem Meerwasser mit analoger und digitaler Ausgabe
(On an apparatus for the simultaneous determination of six chemical compounds in sea water with digital and analogue output). En

Germany - Federal Republic. Automatic determination, methods and techniques - nitrate, nitrite, phosphate, ammonia, silicate.

Edgerton, H.E. (1970) 17-2M512
Oceanol.int., 5(8):22-4
Seismic profiling with sonar

Teeson, D., F.M. White & H. Schenck, Jr. (1970) 17-2M513
Ocean Engng, 2(1):1-11
Studies of the simulation of drifting oil by polyethylene sheets

ANW, Narragansett Bay. Drift experiments show that tidal currents and surface wind friction were of equal importance.

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Ocean Engng, 2(1):13-26
The ambiguity function applied to underwater acoustic signal processing: a review

The development to the concept leading to the ambiguity function and the ambiguity function synthesis relating to the enhancement of a signal embedded in a clutter environment are discussed.

Pfafflin, J.R. (1970) 17-2M515
Ocean Engng, 2(1):33-6
A statistical approach to the prediction of recurrence intervals of abnormally high tides

ASW, ANW. USA east coast.

Sreekumaran, C. et al. (1968) 17-2M516
J.mar.biol.Ass.India, 10(1):152-8
Minor and trace elements in the marine environment of the west coast of India

ISW. Chemistry. Sea water - content of potassium, calcium, strontium, phosphorus, iron, copper, uranium, radium. Marine organisms, benthic algae, clams, oysters, shrimps, lobsters, fish - natural radioactive elements.

Dingle, R.V. (1970) 17-2M517
Mar.Geol., 9(3):M17-M22
Quaternary sediments and erosional features off the north Yorkshire coast, western North Sea

ANE. Bathymetry and distribution of superficial sediments.

Price, N.B. & S.E. Calvert (1970) 17-2M518
Mar.Geol., 9(3):145-71
Compositional variation in Pacific Ocean ferromanganese nodules and its relationship to sediment accumulation rates

IS, IN. Volcanism of secondary importance in the genesis of manganese nodules.

Cook, D.O. (1970) 17-2M519
Mar.Geol., 9(3):173-86
The occurrence and geologic work of rip currents off southern California

ISE. Development influenced by wave conditions, beach morphology, tidal level and wind. Sedimentation by rip currents.

Biggs, R.B. (1970) 17-2M520
Mar.Geol., 9(3):187-201
Sources and distribution of suspended sediment in northern Chesapeake Bay

ANW. Sources of suspended sediment from shore erosion, phytoplankton production, and fluvial processes. Losses by organic oxidation, downstream movement, and sedimentation.

McMaster, R.L., T.P. Lachance & A. Ashraf (1970) 17-2M521
Mar.Geol., 9(3):203-13
Continental shelf geomorphic features off Portuguese Guinea, Guinea, and Sierra Leone (West Africa)

ASE.

Keller, G.H. & R.H. Bennett (1970) 17-2M522
Mar.Geol., 9(3):215-23
Variations in the mass physical properties of selected submarine sediments

IN, IS, AN, AS. Variations in different depositional areas and variations found in the major sediment types are discussed.

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Mar.Geol., 9(2):M1-M5
Evidence of sedimentation by gravity-assisted bottom currents in the Mediterranean Sea

ASE. Turbidity current and normal current hypotheses discussed in relation to difference in mud sedimentation rates.

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Mar.Geol., 9(2):M6-M11
Magnetic fabric of sediments from the shelf at La Jolla (California)

INE. Fabric disturbances caused by organic activity. Current direction estimation.

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Mar.Geol., 9(2):M12-M16
Magnetic properties of some canyon sediments

ISE, Mexico coast.

Van Der Weijden, C.H., R.D. Schuiling & H.A. Das (1970) 17-2M526
Mar.Geol., 9(2):81-99
Some geochemical characteristics of sediments from the North Atlantic Ocean

AN, AS. Eh and pH measurements. Cores with marked changes in redox potential analysed for Si, Al, Na, K, Cl, Fe, Mn, Co, Sc, Cu, and carbonates.

Spencer, D.W. & P.L. Sachs (1970) 17-2M527
Mar.Geol., 9(2):117-36
Some aspects of the distribution, chemistry, and mineralogy of suspended matter in the Gulf of Maine

ANW. Silicates from resuspension of bottom sediments dominate the suspended matter. P, Cu and Zn are concentrated by phytoplankton in the surface. Al and Fe controlled by suspended silicates.
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Limnol.Oceanogr., 15(3):467-72
The relationship of the strontium:chlorinity ratio to water masses in the tropical Atlantic Ocean and Caribbean Sea

ASW. Variation in ratio possibly caused by water flow into the Caribbean Sea.

Ogura, N. (1970) 17-2M529
Limnol.Oceanogr., 15(3):476-9
On the presence of 0.1-0.5-$\mu$ dissolved organic matter in seawater

ISEW - East China Sea.

Lorenzen, C.J. (1970) 17-2M530
Limnol.Oceanogr., 15(3):479-80
Surface chlorophyll as an index of the depth, chlorophyll content, and primary productivity of the euphotic layer

ASE - ISE.
Issued also as: Contr.Woods Hole oceanogr. Instn, (2421).

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(Organic primary productivity and nutrients in the offshore waters of western Corsica and Sardinia coasts during February 1966).
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Limnol.Oceanogr., 13(1):14-25
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Plankton. Benthos. Productivity.
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ASW.
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Ecology, 49(2):337-9
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ANW. ASW. Bacillariophyceae.
Chromatophores number - geographical and ecological variations. Growth rate at different temperature - experiments.

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Ecology, 49(3):582-4
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ANW. Anomalocera. Labidocera. Pontella.
Specific abundance - relation to different water masses.

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Population growth response of Isochrysis galbana to nitrate variation at limiting concentrations

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USA. Ctenophora. Experiments with Pseudocalanus and Epilabidocera - selectivity of food.

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Dinoflagellaten aus der Nordsee 1. Über Cachonina niei Loeblich (1968), Gonyaulax grindleyi Reinecke (1967) und eine Methode zur Darstellung von Peridineenpanzern
(Dinoflagellates from the North Sea 1. On Cachonina niei Loeblich (1968), Gonyaulax grindleyi Reinecke (1967), and a method for the study of peridenean thecae). En

Taxonomy - morphological description.

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(Dinoflagellates from the North Sea 2. HELGOLANDINIUM subglobsum gen.et.spec. nov.). En

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An assessment of productivity of a coral reef lagoon in Palau, western Caroline Islands, based on the data obtained during 1935-37

ISEW. Sunlight penetration - extinction coefficient. Phytoplankton standing crop - chlorophyll content. Interregional comparison.

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Rec.oceanogr.Wks Japan, 10(1):109-22
Excretion of carbohydrate by a marine pennate diatom, Nitzschia closterium

Japan. Bacillariophyceae. Experiments - biochemistry. Analytical data on soluble, mucilaginous and intracellular carbohydrate, protein and lipid contents. Specific characteristics.

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J.mar.biol.Ass.U.K., 49(3):603-20
SOND cruise 1965. Biological sampling methods and procedures

England. Plankton and nekton. Techniques. Sampling gear - description and utilization of Isaacs-Kidd midwater trawl. Sampling and laboratory procedures.

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J.mar.biol.Ass.U.K., 49(3):669-82
Observations of bioluminescence on SOND 1965 cruise of R.R.S. DISCOVERY

ASE. Canary Islands. Method and equipment - description and records. Application - relation to depth of scattering layers.

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J.mar.biol.Ass.U.K., 49(3):743-7
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England. Calanidae. Experiments. Hatching time - effect of water temperature. Method.

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The dinoflagellate genus Ptychodiscus Stein

ANE - English Channel. Taxonomy.

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The ecology of inshore plankton populations in Bermuda. Part 2. Seasonal abundance and composition of the zooplankton. Es

Western Atlantic. Copepoda. Cladocera. Mysidacea. Amphipoda. Chaetognatha. Appendicularia. Larvae of Decapoda, Mollusca, Polychaeta. Predominant species - fluctuations. Dry weight and chemical composition - monthly variations. Relation to environmental conditions.
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Primary organic production and standing stock of zooplankton in the tropical Atlantic Ocean - Equalant 1 and 11. Es

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J.Fish.Res.Bd Can., 26(8):2240-4
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Canada. Apparatus. Method and technical description. Application - zooplankton and ichthyoplankton.

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Experimental observations on the flotation of marine diatoms. 2. Skeletonema costatum and Rhizosolenia setigera

USA - Atlantic coast. Bacillariophyceae. Experiments. Growth and sinking rate characteristics. Cytological observations - ascending movements. Correlations.
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USA - Atlantic coast. Bacillariophyceae. Experiments. Growth and sinking rate characteristics - influence of colony size. Cytological observations. Correlations.
Co 17-3M041.

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INE. Euphausia. Thysanoessa. Thysanopoda. Nyctiphanes. Molting frequency - intermolt duration. Gravimetric data - specific variations. Molts and oceanic detritus.

Pratt, D.M. (1966) 17-3M044
Limnol.Oceanogr., 11(4):447-55
Competition between Skeletonema costatum and Olisthodiscus luteus in Narragansett Bay and in culture

USA - Atlantic coast. Bacillariophyceae. Xanthophyceae. Seasonal cycle - abundance - succession. Unialgal and bialgal culture experiments - growth and density - inhibitory action - stimulant factor.

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The relationship between size of net used and estimates of zooplankton diversity

USA - Pacific coast. Euphausiacea. Gastropoda. Cephalopoda - larvae. Pisces - larvae. Tow experiments with nets of different mouth diameters. Variation of abundance - species and individuals - effect of avoidance. Statistical analysis - variables of catching efficiency.

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Studies on the chemical composition of the major zooplankton groups in the Sargasso Sea off Bermuda

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USA. Coccolithophoridaceae. Culture experiments and conditions. Growth rate at different temperature - effect on cell dimensions and form. Calcification process. Abnormalities. Correlations.

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ASW. Myxophyceae. Nitrogen fixation - ammonia and nitrate uptake. Ecological significance - productivity.
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A folding midwater trawl depressor

USA. Apparatus - modification of Isaacs-Kidd midwater trawl. Technical description.

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Limnol.Oceanogr., 11(4):640-2
The ICITA one-meter plankton net: Description and evaluation

USA. Apparatus. Use by small research vessels.
Issued also as: Contr.U.S.Bur.comml Fish. trop.Atlant.biol.Lab., (33).

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Limnol.Oceanogr., 11(4):646-7
A low velocity plankton siphon

USA. Apparatus - collecting from deeper layers.

Eppley, R.W., J.L. Coatsworth & L. Solórzano (1969) 17-3M052
Limnol.Oceanogr., 14(2):194-205
Studies of nitrate reductase in marine phytoplankton

USA - Pacific coast. Laboratory culture - enzyme assay. Field experiments. Ditylum. Coccolithus. Dunaliella. Gonyaulax. Cachonina. Phaeocystis. Growth of phytoplankton - assimilation of nitrate and ammonia. Relation to water blooms. Enzyme synthesis.

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Limnol.Oceanogr., 14(2):219-23
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USA - Pacific coast. Euphausiacea. Experiments. Respiratory rates. Relation to individual weight.

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Limnol.Oceanogr., 14(2):242-9
A study of the influence of net speed on catch

USA - Pacific coast. Plankton and micronekton - Euphausiidae. Sergestidae. Scopelidae. Bathylagidae. Experiments - discrete depth plankton sampler system. Catch statistical analysis - specific length frequency distribution - causes of variability. New techniques.

Anderson, G.C. (1969) 17-3M055
Limnol.Oceanogr., 14(3):386-91
Subsurface chlorophyll maximum in the northeast Pacific Ocean

USA - Oregon coast. Vertical distribution of chlorophyll a, carbon assimilation, dissolved oxygen, temperature, salinity, density and nutrients. Ecological correlations.
Issued also as: Contr.Dep.Oceanogr.Univ. Wash., (468).

Norris, D.R. (1969) 17-3M056
Limnol.Oceanogr., 14(3):448-9
Possible phagotrophic feeding in Ceratium lunula Schimper

USA - Gulf of Mexico. Dinoflagellata. Microscopical observations on feeding behaviour.

Mileikovskii, S.A. (1969) 17-3M057
Okeanologiia, 9(4):676-85
Vertikal'noe raspredelenie, razmnozhenie i chislennost' massovykh pelagicheskikh polikhet v severo-zapadnoi chasti Tikhogo okeana
(Vertical distribution, breeding and quantity of mass pelagic polychaetes in the northwestern Pacific). En

Kurile and Kamchatka region. Tomopteris. Phalacrophorus. Typhloscolex. Pelagobia. Horizontal and vertical distribution of larval, juvenile and adult stages. Spawning ecology. Comparison with data from other regions.

Zelikman, E.A. (1969) 17-3M058
Okeanologiia, 9(4):686-94
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(Structural features of the mass aggregations of jelly-fish). En

ANW. ANE. USSR. Coelenterata - Tiaropsis, Rathkea, Coryne. Abundance. Feeding effect on neritic zooplankton biomass. Behaviour - observations in aquaria. Hypothesis on mechanism of aggregation.

Zernova, V.V. (1969) 17-3M059
Okeanologiia, 9(4):695-706
Gorizontal'noe raspredelenie fitoplanktona v Meksikanskom zalive
(The horizontal distribution of phytoplankton in the Gulf of Mexico). En

Bacillariophyceae. Dinophyceae. Predominant species - horizontal distribution and abundance - regional variations. Relation to oceanographic conditions - nutrients. Water blooms.

Iarogov, B.A. (1969) 17-3M060
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:85-102
O fiziko-geograficheskikh usloviiakh areala Euphausia superba Dana
(On the physico-geographical conditions of the krill habitat)

Southern Ocean. Euphausiidae. Environmental conditions - temperature, salinity. Geographic distribution. Ecology - relative abundance, migrations.

Kashkin, N.I. (1969) 17-3M061
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:128-59
Osnovnye zakonomernosti biologicheskoi produktivnosti iuzhnoi Atlantiki
(The fundamental regularities of the biological productivity in the South Atlantic)

North Atlantic. South Atlantic. Southern Ocean. Phytoplankton, zooplankton - biomass, horizontal and vertical distribution. Regional and seasonal variations. Relation to hydrographic characteristics.

Volkovinskii, V.V. (1969) 17-3M062
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:160-7
Izmereniia pervichnoi produktsii v more Skotiia
(The primary production measurements in the Scotia Sea)

PSW. PSEW. Daily carbon assimilation - horizontal and vertical distribution, regional variations. Dissolved oxygen - statistical correlations. Phytoplankton biomass.

Kanaeva, I.P. (1969) 17-3M063
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:168-76
O kolichestvennom raspredelenii planktona v more Skotiia i prilezhashchikh raionakh
(On the quantitative distribution of plankton in the Scotia Sea and adjacent regions)

PSW. PSEW. Phytoplankton - Bacillariophyceae. Zooplankton - Copepoda, Euphausiacea. Chaetognatha. Biomass - horizontal and vertical distribution - monthly and regional variations. Environmental conditions.

Shevtsov, V.V. & R.R. Makarov (1969) 17-3M064
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:177-206
K biologii Antarkticheskogo krilia
(On the biology of antarctic krill)

Southern Ocean. Euphausia superba. Geographical distribution of size groups. Migrations. Age and growth. Length and weight relationships. Sex ratio. Spawning. Abundance. Vitamin synthesis - carotenoids.

Pavlov, V.Ia. (1969) 17-3M065
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:207-22
Pitanie krilia i nekotorye osobennosti ego povedeniia
(Feeding of krill and some features of its behaviour)

Southern Ocean. Euphausia superba. Food - phytoplankton. Filtering mechanisms. Trophic habitat - migrations.

Shust, K.V. (1969) 17-3M066
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:223-30
Vizual'nye nabliudeniia za krilem s borta nauchno-promyslovogo sudna "AKADEMIK KNIPOVICH"
(Visual observations of krill concentrations on board the research vessel "AKADEMIK KNIPOVICH")

PSW. PSEW. Euphausiidae. Concentration areas. Patches formation - age groups. Predation by sea birds. Daily migration.

Ragulin, A.G. (1969) 17-3M067
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:231-4
Podvodnye nabliudeniia za krilem
(Underwater observations of krill)

PSW. PSEW. Euphausiidae. Swarming formation - observations by SCUBA diving.

Semenov, V.N. (1969) 17-3M068
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:235-9
Akvarial'nye nabliudeniia za povedeniem krilia
(Observations of krill behaviour in an aquarium)

USSR - exploratory research vessel, PSW. Euphausiidae. Experiments.

Petushko, G.L. (1969) 17-3M069
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:240-2
Povedenie krilia v svetovykh i elektricheskikh poliakh
(Behaviour of krill in the light and electrical fields)

USSR - exploratory research vessel, PSW. Euphausiidae. Experiments on behaviour.

Mikhailovskii, Iu.A. (1969) 17-3M070
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:243-5
Nabliudeniia za krilem v zone iskusstvennogo osveshcheniia
(Observations of krill in the zone of artificial illumination)

USSR - exploratory research vessel. PSW. Euphausiidae. Experiments on behaviour.

Kriuchkova, M.I. & O.E. Makharov (1969) 17-3M071
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:295-8
Tekhnokhimicheskaia kharakteristika krilia
(Technological and chemical characteristics of krill)

PSW. PSEW. Euphausia superba. Data on chemical composition. Quality of meat. Commercial utilization.

Carré, D. (1969) 17-3M072
Cah.Biol.mar., 10(3):325-41
Étude histologique du développement de Nanomia bijuga (Chiaje, 1841), Siphonophore Physonecte, Agalmidae
(Histological study on the development of Nanomia bijuga (Chiaje, 1841), Siphonophora, Agalmidae). En De

France - Mediterranean Sea. Experiments. Eggs. Embryonic development - gastrula - planula - siphonula. Primary gastrozoid. Young colonies.

Grindley, J.R. & M.J. Penrith (1965) 17-3M073
Zoologica afr., 1(2):275-95
Notes on the bathypelagic fauna of the seas around South Africa

PSW. ISW. Nekton and plankton. Hydrographic conditions. Distribution of Pisces. Crustacea, Molluaca, Coelenterata, Ctenophora, Caetognatha, Annelida, Tunicata. Taxonomic and ecological considerations. List of species - geographical distribution. Issued also as: Coll.Repr.int.Indian Oc. Exped., 4, No. 226, 1967.

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Okeanologiia, 6(2):314-25
Biogeokhimiia okeanicheskogo planktona. Raspredelenie nekotorykh khimicheskikh komponentov planktona v Indiiskom okeane (Biogeochemistry of the oceanic plankton. The distribution of some chemical components of the plankton in the Indian Ocean). En

Phytoplankton and zooplankton. Organisms. Chemical composition - calcium carbonate, organic carbon and lipids content correlations with hydrographic conditions. Data on total seston biomass. Issued also as: Coll.Repr.int.Indian Oc. Exped., 4, No. 229, 1967.

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J.Phycol., 4(4):272-7
Studies of Oyster Bay in Jamaica, West Indies. 4. Observations on the morphology and asexual cycle of Pyrodinium bahamense Plate

ASW. Dinoflagellata. Field observations and laboratory experiments.

Kotori, M. (1969) 17-3M076
Bull.Plankt.Soc.Japan, 16(1):52-7
(Vertical distribution of chaetognaths in the northern North Pacific and Bering Sea). Ni En

INE. Chaetognatha. Temperature and dissolved oxygen as factors controlling vertical distribution. Food consumption.

Eppley, R.W., O. Holm-Hansen & J.D.H. Strickland (1968) 17-3M077
J.Phycol., 4(4):333-40
Some observations on the vertical migration of dinoflagellates

USA. Pacific coast. Ceratium. Cachonina. Gonyaulax. Field observations and laboratory experiments.

Kawarada, Y. et al. (1968) 17-3M078
Oceanogrl Mag., 20(1):9-29
Plankton in the western North Pacific in the winter of 1967 (CSK)

Distribution and regional variations - abundance - influence of water masses.

Mandelli, E.F. (1968) 17-3M079
J.Phycol., 4(4):347-8
Carotenoid pigments of the dinoflagellate Clenodinium foliaceum Stein

USA. Analytical data - presence of fucoxanthin.

Mann, J.E. & J. Myers (1968) 17-3M080
J.Phycol., 4(4):349-55
On pigments, growth, and photosynthesis of Phaeodactylum tricornutum

Bacillariophyceae. Experiments - analytical data.

Jong Soo Hue (1967) 17-3M081
Bull.Fish.Res.Dev.Ag.,Pusan, (1):7-33
(Distribution of zooplankton in the adjacent sea of east Korea in August, 1965). Ni En

INW. Copepoda. Cladocera. Amphipoda. Euphausiacea. Decapoda. Chaetognatha. Tunicata. Coelenterata. Fish eggs and larvae - Engraulis japonicus. Hydrological conditions - temperature, salinity, currents. Biomass - regional distribution. Specific predominance - biological indicators

Joo Suck Park (1967) 17-3M082
Bull.Fish.Res.Dev.Ag.,Pusan, (1):35-63
(Chaetognaths and plankton in the Korean waters. 1. The distribution of chaetognaths in the Korean waters and their relation to the character of water masses in summer 1966 and winter 1967). Ni En

Sagitta. Pterosagitta. Krohnitta. Hydrological conditions - temperature, salinity, upwelling. Specific abundance - regional biomass - seasonal variation. Relation to different water masses - biological indicators.

Joo Suck Park & Jong Doo Kim (1967) 17-3M083
Bull.Fish.Res.Dev.Ag.,Pusan, (1):65-79
(A study on the "Red-water" caused at Chinhae Bay). Ni En

Korea. INW. Hydrological conditions. Phytoplankton specific composition - biomass variation - specific abundance. Correlations with temperature, salinity, dissolved oxygen.

Keuk Soon Bang (1967) 17-3M084
Bull.Fish.Res.Dev.Ag.,Pusan, (1):119-30
(Studies on the quantity and composition of the microplankton in a Bay of Han San). Ni En

Korea - Southern Sea. Bacillariophyceae. Dinophyceae. Copepoda. Chaetognatha. Tintinnoidea. Environmental conditions. Specific distribution and predominance - abundance and regional variation.

Rodríguez, L., V. (1966) 17-3M085
Estudios Oceanol.,Chile, 2:91-3
Primera cita de las especies componentes del "Huirihue o marea roja"
(First record of the species producing the "Huirihue" or "Red tide")

Chile. ISE. Dinoflagellata - Prorocentrum micans, Ceratium furca. Environmental conditions - temperature and dissolved oxygen.

Boltovskoy, E. (1968) 17-3M086
Revue Micropaléont., 11(2):85-98
Living planktonic Foraminifera of the eastern part of the tropical Atlantic

Globigerinoides. Globorotalia. Quantitative distribution of species - regional variations - environmental conditions.

Boltovskoy, E. (1967) 17-3M087
Cienc.Invest., 23(2):66-75
Indicadores biológicos en la oceanografía (Biological indicators in oceanography)

General. Foraminifera. Hydrological and biological requirements.

Holmes, R.W. (1968) 17-3M088
Spec.scient.Rep.U.S.Fish Wildl.Serv.(Fish.), 564:31 p.
Description and evaluation of methods for determining incident solar radiation, submarine daylight, chlorophyll A, and primary production used by Scripps Tuna Oceanography Research Program in the Eastern Tropical Pacific

Hunt, H.G. (1968) 17-3M089
Bull.mar.Ecol., 6(7):225-49
Continuous plankton records: Contribution towards a plankton atlas of the North Atlantic and the North Sea. 11. The seasonal and annual distributions of Thaliacea

Salpa. Thalia. Doliolum. Dolioletta. Doliolina. Seasonal and annual distribution of species. Diurnal vertical migration. Abundance, timing and seasonal duration - statistical analysis. Environmental conditions.

Nemoto, T. (1968) 17-3M090
J.oceanogr.Soc.,Japan, 24(5):253-60
Chlorophyll pigments in the stomach of euphausiids

Pacific Ocean. Euphausia. Bentheuphausia. Feeding - fluorometric determinations. Ecological and trophic relationships - diurnal migrations. Laboratory experiments - excretion rate of pigments.

Sazhina, L.I. (1968) 17-3M091
Zool.Zh., 47(11):1713-6
(A method of cultivation of marine pelagic Copepoda in the laboratory). Ru En

USSR - Black Sea. Experiments - eggs, nauplii and adult stages. Feeding. Technical data.

Sweeney, B.M. (1969) 17-3M092
Can.J.Bot., 47(2):299-308
Transducing mechanisms between circadian clock and overt rhythms in Gonyaulax

Canada. Experiments. Luminescence - photosynthesis - cell division.

Bernard, F. (1967) 17-3M093
Oceanogr.mar.Biol., 5:205-29
Research on phytoplankton and pelagic Protozoa in the Mediterranean Sea from 1953 to 1966

Hydrographic regions and characteristics - currents, water masses. Nutrient salts. Photosynthesis conditions. Regional taxa - predominant species of euphotic zone. Productivity. Abundance.

Clarke, M.R. (1969) 17-3M094
J.mar.biol.Ass.U.K., 49(4):945-60
A new midwater trawl for sampling discrete depth horizons

England. Quantitative catching of micronekton and plankton - opening and closing net system. Technical description - acoustic and telemetering equipment. Operation.

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(Distribution of four species of bathypelagic copepods in the western equatorial and south tropical Pacific). En

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ABA 1(6)Aq2885.

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ABA 1(6)Aq2862.

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ABA 1(6)Aq3177.

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J.mar.biol.Ass.U.K., 50(1):161-8
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UK - Scotland, ANE. Population composition - size frequency by different stages. Breeding period, brood size. Food. Environmental conditions, distribution.

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J.mar.biol.Ass.U.K., 50(1):177-98
Amphipods in the surf plankton

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Bull.Plankt.Soc.Japan, 16(1):58-9
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(The moulting gland of stomatopod larvae)

France - Mediterranean coast. Crustacea - Lysiosquilla, Squilla. Development of Y-organ. Morphology - organogenesis, histological examination.

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Limnol.Oceanogr., 12(1):60-72
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Limnol.Oceanogr., 12(1):147-8
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Canada. Copepoda - egg and nauplius stages. Experimental example - survival percentage.

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Limnol.Oceanogr., 12(1):165-7
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USA. Methods - sterile seawater for microorganisms pure culture. Chemical composition.

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Limnol.Oceanogr., 12(2):196-206
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INE. ANW. ASW. Nitrogen cycle in euphotic zone. Methods and techniques of measurements - computation of results. Uptake rates of various nitrogen sources - relation to photosynthesis. Significance of ammonia for phytoplankton. Nitrogen fixation. Role of zooplankton in regenerating nitrogen process.

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Limnol.Oceanogr., 12(2):207-12
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Limnol.Oceanogr., 12(2):264-71
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Cah.Biol.mar., 10(4):359-64
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(Larval development of Lilyopsis rosea (Chun, 1885) Siphonophora Calycophora, Prayidae). En De

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Bogoraze, D. & O. Tuzet (1969) 17-3M158
Cah.Biol.mar., 10(4):365-73
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(The ultrastructure of the tail muscle of Oikopleura longicauda Vogt., Appendicularíidae. The cellular limits; the intercalar discs). De

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Cah.Biol.mar., 10(4):429-37
Etude de quelques substances fluorescentes présentes dans deux échantillons de plancton marin
(The study of some fluorescent substances present in two samples of marine plankton)

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Limnol.Oceanogr., 12(2):319-24
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USA. Primary productivity - methods. Experimental example.

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Mar.Biol., 4(3):167-73
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USSR. Coelenterata - Rathkea, Tiaropsis. Field observations and laboratory experiments. Population structure, growth rate. Feeding behaviour, food spectrum, ingestion rate.

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Mar.Biol., 4(3):174-81
Primary productivity studies in the shelf waters off Alleppey, south-west India, during the post-monsoon, 1967

Oceanographic conditions. Phytoplankton biomass. Carbon assimilation - relation to phosphate content, dissolved oxygen and pigments concentration. Effects of upwelling and incident solar radiation.

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Mar.Biol., 4(3):182-9
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ISE - USA. Protozoa, Copepoda naupliar and post-naupliar stages - biomass distribution. Pigments content, seston dry weight. Standing stock estimation.

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Mar.Biol., 4(3):190-6
Chlorophyll maxima in Kuroshio and adjacent area

ISEW, INW - Japan. Bacillariophyceae - euphotic zone. Chlorophyll a and phaeopigments content, cells number. Incubation experiments under natural and artificial light - effect on pigments concentration.

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Mar.Biol., 4(3):208-14
Carbohydrate metabolism in the marine diatom Skeletonema costatum

Japan. Bacillariophyceae. Experiments - algal culture under continuous light conditions. Effect of darkness on carbohydrate, protein and lipid contents. Carbohydrate components - analytical data.

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Mar.Biol., 4(3):215-8
A continuous recirculating culture system for planktonic copepods

USA. Copepoda. Methods and techniques - experimental data. Feeding. Foam separation. Limitation of bacterial increase and detrital accumulation.

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Mar.Biol., 5(1):35-56
Die Verbreitung der Kaltwasser- und der Warmwasserfauna der Appendicularien im nördlichen Nordatlantischen Ozean im Spätwinter und Spätsommer 1958
(The distribution of the cold and warm water fauna of appendicularians in the northern North Atlantic Ocean during late winter and late summer 1958). En

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Mar.Biol., 5(2):97-9
A note on the feeding of Calanus helgolandicus on detritus

USA. Copepoda. Experiments.

Hamada, T. (1969) 17-3M171
Bull.Jap.Soc.scient.Fish., 35(8):717-22
(On the hydrological conditions for the entrance of Sagitta enflata into Osaka Bay). Ni En

Japan. Chaetognatha. Ecology - distribution. Environmental conditions - temperature, salinity.

Inoue, M. & M. Aoki (1969) 17-3M172
Bull.Jap.Soc.scient.Fish., 35(9):862-7
(Reproduction of Copepoda, Tisbe furcata, cultured with seawater-acclimatized Chlorella as a basic diet). Ni En

Japan. Optimal conditions - effect of temperature, salinity, number of Chlorella cells.

Iwasaki, H. & K. Sasada (1969) 17-3M173
Bull.Jap.Soc.scient.Fish., 35(10):943-7
(Studies on the red tide dinoflagellates 2. On Heterosigma inlandica appeared in Gokasho Bay, Shima Peninsula). Ni En

Japan. Axenic culture experiments. Growth of cells, response to environmental conditions - salinity, pH, vitamins, nutrients, purines, pyrimidines.

Czeczuga, B. (1970) 17-3M174
Mar.Biol., 5(2):141-4
Some carotenoids in the jelly-fish Aurelia aurita (Scyphozoa: Discomedusae)

Poland - Baltic Sea. Coelenterata. Pigments in gonads - analytical data.

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Mar.Biol., 5(2):113-8
The life cycle of Eutima commensalis sp. nov. (Eutimidae, Hydromedusae)

India. Hydrozoa. Experiments. Development of medusa - description of stages, occurrence. Interspecific comparison. taxonomic consideration.

Sournia, A. (1968) 17-3M176
Mém.O.R.S.T.O.M., 31:120 p.
Diatomées planctoniques du Canal de Mozambique et de l'Ile Maurice
(Planktonic diatoms of the Mozambique Channel and Mauritius Island)

ISW. Bacillariophyceae. Taxonomy, Biogeography.

Reeve, M.R. (1970) 17-3M177
Nature,Lond., 227(5256):381
Complete cycle of development of a pelagic chaetognath in culture

USA - ASW. Sagitta hispida. Laboratory experiments. Growth in length, survival rate, feeding.

Barham, E.G. & G.V. Pickwell (1969) 17-3M178
Deep-Sea Res., 16(5):525-9
The giant isopod, Anuropus: A scyphozoan symbiont

USA - ISE. Crustacea. Isopoda. Underwater observations - ecology, behaviour, biological description.

Murano, M. (1969) 17-3M179
Crustaceana, 17(2):207-19
Three new species of Mysidacea from Japan. De

INW. Taxonomy - EDERYTHROPS. Generic and specific description, diagnosis.

Abraham, S. (1970) 17-3M180
Crustaceana, 18(1):49-54
A new species of Acarthia (Copepoda, Calanoida) from Cochin Harbour, India, and adjacent areas. De

ISW - Arabian Sea. Taxonomy - morphological description, relationships. Habitat - hydrography.

Michel, A. & R. Grandperrin (1969) 17-3M181
Cah.O.R.S.T.O.M.(Hydrobiol.), 7(2):45-52
Aperçu sur la distribution verticale du micronecton dans le Pacifique ouest équatorial (170°00 E)
(Survey of vertical distribution of the micronekton in the equatorial region of the Pacific Ocean (170°00 E)). En

ISEW. Copepoda, Mysidacea, Amphipoda, Euphausiacea, Decapoda. Gastropoda, Cephalopoda. Pisces. Relative abundance - diurnal cycle, deep scattering layer. Relation to equatorial current system.

Isaacs, J.D. (1969) 17-3M182
Scient.Am., 221(3):147-62
The nature of oceanic life

World ocean. Trophic ecology - productivity, food chains. Phytoplankton - photosynthesis. Zooplankton. Fish production.

Roper, C.F.E. (1966) 17-3M183
Dana Rep., (66):46 p.
A study of the genus Enoploteuthis (Cephalopoda: Oegopsida) in the Atlantic Ocean with a redescription of the type species, E. leptura (Leach, 1817)

ASW, ASE - tropical region. Taxonomy, description - family and genus diagnosis, key to species. Geographical and bathymetric distribution. External and internal anatomy. Biology, growth.

Sorokin, Iu.I. (1970) 17-3M184
Dokl.Akad.Nauk SSSR, 192(3):655-8
Chislennost' i produktsiia bakterii v vode i donnykh osadkakh tsentral'noi chasti Tikhogo okeana
(Number and productivity of bacteria in the water and bottom sediments of the central part of the Pacific)

Bacteria. Biomass - vertical distribution.

Spektorova, L.V. (1970) 17-3M185
Dokl.Akad.Nauk SSSR, 192(3):662-4
Morskaia flagelliata Platymonas viridis Rouch sp.n. kak ob''ekt dlia massovogo kul'tivirovaniia
(The sea flagellate Platymonas viridis Rouch sp.nov. as an object for mass cultivation)

USSR. Chlorophyceae. Experimental data.

Sorokin, Iu.I. (1970) 17-3M186
Dokl.Akad.Nauk SSSR, 192(4):905-7
Ob agregirovannosti morskogo bakterioplanktona
(On the aggregated condition of sea-bacterio-plankton)

USSR. Bacteria of zooplankton.

Platt, T. & D.V. Subba Rao (1970) 17-3M187
Nature,Lond., 227(5262):1059-60
Energy flow and species diversity in a marine phytoplankton bloom

Canada - ANW. Ecosystem dynamics - production efficiency. Biomass and primary production measurements, statistical correlations.

Foxton, P. & P.J. Herring (1970) 17-3M188
Crustaceana, 18(1):93-104
Recent records of Physetocaris microphthalma Chace with notes on the male and description of the early larvae (Decapoda, Caridea). Fr

ASW, ASE. Biology, distribution. Adult external morphology. Larval development - zoeal stages, description.

Angel, M.V. (1970) 17-3M189
Crustaceana, 18(2):147-66
The redescription of Conchoecia bispinosa Claus, C. haddoni Brady & Norman and C. secernenda Vavra from the North Atlantic. De

ASE - Canary Islands region. Ostracoda. Taxonomy - description, meristic data. Synonyms. Ecological distribution.

Lawson, T.J. & G.D. Grice (1970) 17-3M190
Crustaceana, 18(2):187-208
The developmental stages of Centropages typicus Krøyer (Copepoda, Calanoida). De

USA - ANW. Naupliar, copepodid and adult stages - morphological description.

Paasche, E. (1968) 17-3M191
A.Rev.Microbiol., 22:71-86
Biology and physiology of coccolithophorids

Chrysophyceae. Culture studies - selection of species, growth, nutrition. Coccolith formation.

Burchall, J. (1968) 17-3M192
Investl Rep.oceanogr.Res.Inst.,Durban, (21):
44 p.
An evaluation of primary productivity studies in the continental shelf region of the Agulhas current near Durban

Republic of South Africa - ISW.
Daily carbon assimilation - incubation techniques. Hydrographic data - temperature, salinity, dissolved oxygen, nutrients, water masses.

Sherman, K. & K.Z. Honey (1970) 17-3M193
Nature,Lond., 227(5263):1156-8
Vertical movements of zooplankton during a solar eclipse

USA - ANW. Copepoda, Decapoda and Cirripedia larvae, Chaetognatha.
Behaviour - reactions to changes in light intensity - diurnal migrations, quantitative variations.

Venter, G.E. (1969) 17-3M194
Investl Rep.S.W.Afr.Mar.Res.Lab., (16):73 p.
The pilchard of South West Africa (Sardinops ocellata). The distribution of some chaetognaths and their relation to hydrographical conditions, with special reference to the South West African region of the Benguela current

PSW. Sagitta, Pterosagitta, Krohnitta, Eukrohnia. Environmental conditions - temperature, salinity, dissolved oxygen.
Interspecific abundance - monthly variations. Zoogeography.

Voltolina, D. (1969) 17-3M195
Archno Oceanogr.Limnol., 16(2):173-87
Distribuzione quantitativa e qualitativa del fitoplancton nell'Adriatico settentrionale. 1. Estate 1965
(Phytoplanktonic distribution in northern Adriatic Sea. 1. Summer 1965). It En

Italy. Bacillariophyceae, Dinophyceae.
Distribution of species, abundance, regional variations - effect of salinity.

Sorokin, Iu.I. (1970) 17-3M196
Dokl.Akad.Nauk SSSR, 193(4):923-5
K kolichestvennoi otsenke roli bakterioplanktona v krugovorote organicheskogo veshchestva v tropicheskikh vodakh okeana
(On the quantitative evaluation of the role played by bacterio-plankton in the rotation of organic matter in tropical ocean waters)

ISEW. Bacterial productivity - biomass, vertical distribution, decomposition activity.

Tikhomirov, V.N. et al. (1970) 17-3M197
Dokl.Akad.Nauk SSSR, 194(2):445-7
Rol' planktona v povednii $Tc^{99}$ i $Mn^{54}$ v okeanskoi vode
(The role of plankton in the behaviour of $Tc^{99}$ and $Mn^{54}$ in oceanic water)

USSR - Pacific Ocean. Radiobiology.

Enright, J.T. (1969) 17-3M198
Ecology, 50(6):1070-5
Zooplankton grazing rates estimated under field conditions

USA, California - ISE. Bacillariophyceae.
Daytime-grazing hypothesis.

Timonin, A.G. (1969) 17-3M199
Okeanologiia, 9(5):846-56
Struktura pelagicheskikh soobshchestv. Kolichestvennoe sootnoshenie razlichnykh troficheskikh gruppirovok planktona v fronta'nykh zonakh tropicheskoi oblasti okeana
(The structure of pelagic communities. Quantitative relationship between different trophic groups of plankton in the frontal zones of the tropical ocean). En

Indian Ocean. Ostracoda, Copepoda, Euphausiacea, Chaetognatha. Phytophages, euryphages and predators forms - ecological distribution, biomass, relation to upwelling and vertical mixing process.

Arashkevich, E.G. (1969) 17-3M200
Okeanologiia, 9(5):857-73
Kharakter pitaniia kopepod severo-zapadnoi chasti Tikhogo okeana
(The character of feeding of copepods in the northwestern Pacific). En

INW. Copepoda. Type feeders - morphology of mouth appendages. Trophic groups by families - vertical distribution.

Konovalov, B.V. & O.D. Bekasova (1969) 17-3M201
Okeanologiia, 9(5):883-92
K metodike opredeleniia soderzhaniia pigmentov morskogo fitoplanktona bez ekstragirovaniia
(On the methods for determining the amount of pigments of the sea phytoplankton without extraction). En

USSR. Productivity - determination of chlorophylls a, b and c.

Savich, M.S. (1969) 17-3M202
Okeanologiia, 9(6):1056-62
Sezonnaia dinamika fitoplanktona Adenskogo zaliva v 1963 g.
(Seasonal dynamics of phytoplankton of the Gulf of Aden). En

ISW. Productivity. Bacillariophyceae, Dinophyceae, Myxophyceae. Biomass determinations - regional and seasonal variations, effect of upwelling and cyclonic circulation. Zooplankton development.

Beliaeva, N.V. (1969) 17-3M203
Okeanologiia, 9(6):1063-70
Zakonomernosti raspredeleniia planktonnykh foraminifer v vodakh i osadkakh Iuzhnogo okeana
(The distribution of planktonic foraminifers in the water and sediment of the Antarctic Ocean). En

PSEW. Globigerinidae. Horizontal and vertical distribution - quantitative data, zones of maximum concentrations.

Karabashev, G.S. (1969) 17-3M204
Okeanologiia, 9(6):1100-7
K metodike fotometricheskogo issledovaniia bioliuminestsentsii v more
(On the photometric technique for studying bioluminescence in the sea). En

USSR. Plankton - mechanical stimulation of luminescence, measurement technique, experiments.

Stone, J.H., J.W. Burnett & R. Goldner (1970) 17-3M205
Comp.Biochem.Physiol., 33(3):707-10
The amino acid content of sea nettle (Chrysaora quinquecirrha) nematocysts

USA - Atlantic coast. Coelenterata, Scyphozoa. Biochemistry - amino acids.

Carli, A. (1968) 17-3M206
Boll.Pesca Piscic.Idrobiol., 23(2):93-141
Ricerche planctologiche italiane dell'anno geofisico internazionale 1957-58. 2. Osservazioni sullo zooplancton raccolto nel mare Ligure (da -100 m a -50 m)
(Italian planktological investigations during the International Geophysical Year 1957-58. 2. Observations on the zooplankton collected in Ligurian Sea). It En Fr

Italy - Western Mediterranean Sea. Protozoa, Cladocera, Copepoda, Chaetognatha, Coelenterata, Pteropoda, Tunicata, Larvae of Crustacea. Qualitative and quantitative distribution, environmental conditions. Co 1964, A. Carli & T. Sertorio.

Franc, J.-M. (1970) 17-3M207
Cah.Biol.mar., 11(1):57-76
Évolutions et interactions tissulaires au cours de la régéneration des lèvres de Beroe ovata (Chamisso et Eysenhardt), Cténaire Nudicténide
(Evolution and interaction of tissues during the lips regeneration in Beroe ovata (Chamisso and Eysenhardt), Ctenophora Nuda). En De

France - Western Mediterranean coast. Anatomy, histology, cytology.

Glover, R.S. (1970) 17-3M208
Underwat.Sci.Technol.J., 2(1):34-40
Synoptic oceanography. The work of the Edinburgh oceanographic laboratory

UK - ANW, ANE. Plankton sampling, apparatus - continuous plankton and undulating oceanographic recorders - technical description, use. Surveys - experimental data.

Beers, J.R. & G.L. Stewart (1969) 17-3M209
J.Cons.perm.int.Explor.Mer, 33(1):30-44
The vertical distribution of microzooplankton and some ecological observations

ISE. Taxonomic groups - vertical distribution in euphotic zone, abundance. Content of total particulate matter, chlorophyll a and phaeopigments - dry weight of seston. Environmental conditions.

Petipa, T.S. (1966) 17-3M210
Zool.Zh., 45(3):363-70
(Oxygen consumption and food requirement in the copepods Acartia clausi Giesbr. and A. latisetosa Kritcz). Ru

USSR - Black Sea. Copepoda. Experiments - metabolism, feeding, growth.

Petipa, T.S. (1970) 17-3M211
Translin Fish.Lab.,Lowestoft, (90):7 p.
Oxygen consumption and food requirement in the copepods Acartia clausi Giesbr. and A. Latisetosa Kritcz

En 17-3M210.

Mandelli, E.F. (1969) 17-3M212
Contr.mar.Sci., 14:47-57
The inhibitory effects of copper on marine phytoplankton

USA, Texas - ASW. Chlorophyceae, Bacillariophyceae, Dinophyceae, Myxophyceae. Physiology - culture experiments. Growth of cells, biomass, relation to temperature and salinity.

McLaren, I.A., C.J. Corkett & E.J. Zillioux (1969) 17-3M213
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(3):486-93
Temperature adaptations of copepod eggs from the Arctic to the tropics

ANW, ASW - Canada, USA and Jamaica coasts. Copepoda. Experimental physiology, ecological distribution. Development time to hatching - statistical analysis, Bělehrádek's temperature function.

Culkin, F. & R.J. Morris (1970) 17-3M214
Deep-Sea Res., 17(1):171-4
The fatty acids of some cephalopods

ASE - Canary Islands region. Cephalopoda Dibranchia, nektonic species. Analytical data - lipid contents, component fatty acids, interspecific comparison.

Hecht, A.D. & S.M. Savin (1970) 17-3M215
Science, 170(3953):69-71
Oxygen-18 studies of recent planktonic Foraminifera: Comparisons of phenotypes and of test parts

ASW, ASE, ISW, ISEW. Globogerinoides, Spheroidinella. Isotopic analysis from cores. Relation to water temperature, ecological distribution.

Cox, J.L. (1970) 17-3M216
Science, 170(3953):71-3
DDT residues in marine phytoplankton: Increase from 1955 to 1969

USA, California - ISE. DDT compounds - total concentration, relation to plankton standing crop and food chains.

Heinrich, A.K. (1969) 17-3M217
J.Cons.perm.int.Explor.Mer, 33(1):45-52
On the tropical plankton communities in the Western Pacific

ISEW. Zooplankton, biogeography, regional abundance. Taxonomic groups, biomass distribution - correlation with phytoplankton biomass.

Grandperrin, R. & A. Michel (1969) 17-3M218
J.Cons.perm.int.Explor.Mer, 33(1):53-66
Efficiences comparées de filets à plancton coniques de mêmes dimensions et de mailles différentes. 1. Etudes générales
(Comparative efficiency of conic plankton nets of the same dimensions but with different mesh sizes. 1. General studies). En

New Caledonia - ISEW. Methods and techniques. Experimental data - zooplankton biomass, selectivity. Applications.

Perueva, E.G. & B.Ia. Vilenkin (1970) 17-3M219
Dokl.Akad.Nauk SSSR, 194(4):943-5
Pitanie Calanus glacialis (Jashnov) pri raznoi kontsentratsii vodoroslei
(Nutrition of Calanus glacialis (Jashnov) under different concentration of algae)

USSR. Copepoda. Laboratory experiments.

Van Der Baan, S.M. & L.B. Holthuis (1969) 17-3M220
Neth.J.Sea Res., 4(3):350-3
Second note on the occurrence of stomatopod larvae in the North Sea near the lightship "TEXEL"

Netherlands - ANE. Platysquilla. Horizontal distribution, abundance - effects of tide and temperature.

Van Der Baan, S.M. & L.B. Holthuis (1969) 17-3M221
Neth.J.Sea Res., 4(3):354-63
On the occurrence of Isopoda in the surface plankton in the North Sea near the lightship "TEXEL"

Netherlands - ANE. Eurydice, Idotea, Prodajus. Horizontal distribution, transport by floating algae, ecological relations.

Van Der Baan, S.M. & L.B. Holthuis (1969) 17-3M222
Neth.J.Sea Res., 4(3):364-71
On the occurrence of Euphausiacea in the surface plankton near the lightship "TEXEL" in the southern North Sea

Netherlands - ANE. Nyctiphanes, Meganyctiphanes. Horizontal distribution, ecological relations, abundance.

Albrechtsen, K. (1969) 17-3M223
J.Cons.perm.int.Explor.Mer, 33(1):105-7
A new bucket for filtration of microplankton

Denmark. Apparatus - technical description, use.

Hayward, J. (1970) 17-3M224
J.mar.biol.Ass.U.K., 50(2):293-9
Studies on the growth of Phaeodactylum tricornutum 6. The relationship to sodium, potassium, calcium and magnesium

UK, Wales. Bacillariophyceae. Culture experiments. Ionic cellular concentrations - variations during growth period.
Co 16-3M128.

Baker, A. de C. (1970) 17-3M225
J.mar.biol.Ass.U.K., 50(2):301-42
The vertical distribution of euphausiids near Fuerteventura, Canary Islands (DISCOVERY sond cruise, 1965)

ASE. Euphausiidae - migrant and non-migrant species. Taxonomy. Vertical range, diurnal migration, abundance. Biometric data.

Mauchline, J. (1970) 17-3M226
J.mar.biol.Ass.U.K., 50(2):381-96
The biology of Mysidopsis gibbosa, M. didelphys and M. angusta (Crustacea, Mysidacea)

UK, Scotland - ANE. Life-cycle, ecological distribution, population composition. Breeding - seasonal variations, generations number, brood size. Food. Parasites.

Clark, R.B. (1970) 17-3M227
J.mar.biol.Ass.U.K., 50(2):421-7
Mucus glands in the central nervous system of the alciopid polychaete Rhynchonerella angelini

USA, Washington - INE. Madeira Islands - ASW. Intersegmental glands - anatomy and histology. Luminescent mucus.

Butler, E.I., E.D.S. Corner & S.M. Marshall (1970) 17-3M228
J.mar.biol.Ass.U.K., 50(2):525-60
On the nutrition and metabolism of zooplankton. 7. Seasonal survey of nitrogen and phosphorus excretion by Calanus in the Clyde sea-area

UK, Scotland - ANE. Copepoda. Secondary productivity, biogenetics - experiments. Food levels, excretion rates - relation to diatom availability, seasonal variations. Daily nitrogen and phosphorus requirements. Over-wintering - nitrogen and phosphorus losses. Assimilation efficiency - calculation method. Superfluous feeding.
Co 17-3M096.

Sanina, L.V. (1969) 17-3M229
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:148-63
Sostav i raspredelenie fitoplanktona v Atlanticheskom okeane po 30-mu meridianu (Phytoplankton sampled along the 30°W in the Atlantic)

ANE, ASE. Bacillariophyceae, Dinophyceae, Chrysophyceae, Myxophyceae. Species composition, distribution, abundance, geographic variations.

Movchan, O.A. (1969) 17-3M230
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:164-77
Rannevesennii fitoplankton raiona N'iufaundlenda
(Phytoplankton from the Newfoundland area sampled in early spring)

ANW. Bacillariophyceae, Dinophyceae, Chrysophyceae, Myxophyceae. Quantitative distribution, regional variations. List of species.

Vladimirskaia, E.V. (1969) 17-3M231
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:178-97
Razvitie Calanus finmarchicus (Gunner) vesnoi v raione N'iufaundlenda
(Development of Calanus finmarchicus in the Newfoundland area in spring)

ANW. Copepoda. Quantitative distribution, relation to phytoplankton abundance. Reproduction period, developmental stages.

Krylov, V.V. (1969) 17-3M232
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:198-215
Raspredelenie planktona v Vostochno-Kitaiskom more
(Distribution of plankton in the East China Sea)

ISEW. Phytoplankton and zooplankton. Species composition - biocoenotic associations, relation to water masses quality. Biomass distribution, regional variations.

Makarov, R.R. (1969) 17-3M233
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:216-22
Raspredelenie planktona u zapadnogo poberezh'ia Kamchatki
(Distribution of plankton off the Western Kamchatka)

USSR - INW. Phytoplankton and zooplankton. Biomass distribution, predominant species, trophic interrelationships.

Pavlov, V.Ya. (1970) 17-3M234
Transln Fish.Lab.,Lowestoft, (94):13 p.
The feeding of krill and some features of its behaviour

En 17-3M065.

Silas, E.G. & M. Srinivasan (1968) 17-3M235
J.mar.biol.Ass.India, 10(1):1-33
A new species of Eukrohnia from the Indian seas with notes on three other species of Chaetognatha

ISW. Taxonomy - morphological description, morphometric data, distribution. Key to species of genus.

Nellen, W. & G. Hempel (1969) 17-3M236
Ber.dt.wiss.Kommn Meeresforsch., 20(2): 141-54
Versuche zur Fängigkeit des "Hai" und des modifizierten Gulf-V-Plankton-Samplers "Nackthai"
(Comparisons of the fishing efficiency of the Gulf III sampler "Hai"and a modified Gulf V plankton sampler "Nackthai").
En Fr Es

Germany - Federal Republic. Ichthyoplankton, Clupeidae - methods and techniques.

Carlucci, A.F., E.O. Hartwig & P.M. Bowes (1970) 17-3M237
Mar.Biol., 7(2):161-6
Biological production of nitrite in seawater

Calanus helgolandicus, decomposition of fecal pellets. Nitrosocystis oceanus action on decomposing algae. Nitrite produced by Skeletonema costatum.

Legendre, L. & W.D. Watt (1970) 17-3M238
Mar.Biol., 7(2):167-70
The distribution of primary production relative to a cyclonic gyre in Baie des Chaleurs

ANW.

Vlymen, W.J. (1970) 17-3M239
Limnol.Oceanogr., 15(3):348-56
Energy expenditure of swimming copepods

INE. Labidocera trispinosa. Rate of energy expenditure during constant velocity swimming and acceleration from rest calculated using drag law $C_D=k(Re)^{-n}$ where $C_D$ is the drag coefficient and Re is the Reynolds number.

Thomas, W.H. (1970) 17-3M240
Limnol.Oceanogr., 15(3):380-5
On nitrogen deficiency in tropical Pacific oceanic phytoplankton: Photosynthetic parameters in poor and rich water

ISE. Measurement of assimilation ratios and dark uptake of $^{14}CO_2$.

Thomas, W.H. (1970) 17-3M241
Limnol.Oceanogr., 15(3):386-94
Effect of ammonium and nitrate concentration on chlorophyll increases in natural tropical Pacific phytoplankton populations

Growth rates calculated from ammonium concentration can be used in productivity measurements.

Hamilton, R.D. & J.E. Preslan (1970) 17-3M242
Limnol.Oceanogr., 15(3):395-401
Observations on heterotrophic activity in the eastern tropical Pacific

ISE. Kinetics of substrate uptake by heterotrophic microbial populations. Strong correlation with proline uptake and viable bacteria concentration.

Anderson, G.C. & R.P. Zeutschel (1970) 17-3M243
Limnol.Oceanogr., 15(3):402-7
Release of dissolved organic matter by marine phytoplankton in coastal and offshore areas of the northeast Pacific Ocean

INE. Liquid scintillation counting techniques used in eutrophic and oligotrophic areas. Correlation between particulate organic matter production and dissolved organic matter release.

Kiefer, D. & J.D.H. Strickland (1970) 17-3M244
Limnol.Oceanogr., 15(3):408-12
A comparative study of photosynthesis in seawater samples incubated under two types of light attenuator

Photosynthesis rate higher under blue glass filters than under neutral density filters. Importance to primary productivity studies is discussed.

Martin, J.H. (1970) 17-3M245
Limnol.Oceanogr., 15(3):413-8
Phytoplankton-zooplankton relationships in Narragansett Bay. 4. The seasonal importance of grazing

ANW. Skeletonema costatum. Rhizosolenia delicatula. Acartia clausi. Acartia tonsa. Balanus. Selective grazing on long chains of Skeletonema costatum.

Jeffries, H.P. (1970) 17-3M246
Limnol.Oceanogr., 15(3):419-26
Seasonal composition of temperate plankton communities: Fatty acids

ANW. Phytoplankton, microzooplankton. Acartia clausi. Acartia tonsus. Calanus finmarchicus. Fatty acid variation in relation to seasonal succession and productivity of populations.

Rice, N.E. & W.A. Powell (1970) 17-3M247
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 180-7
Observations on three species of jellyfishes from Chesapeake Bay with special reference to their toxins. 1. Chrysaora (Dactylometra) quinquecirrha

Extraction and isolation of nematocyst toxin, toxicity experiments and chemical nature of toxin.

Roosen-Runge, E.C. (1970) 17-3M248
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 203-21
Life cycle of the hydromedusa Phialidium gregarium (A. Agassiz, 1862) in the laboratory

INE. Growth and behaviour.

Schnese, W. (1969) 17-3M249
Beitr.Meeresk., (26):11-20
Untersuchungen über die Produktivatät der Ostsee. 2. Das Phytoplankton in der mittleren Ostsee und in der Bottensee im April/Mai 1967
(Investigations on the productivity in the Baltic Sea. 2. The phytoplankton in the middle Baltic Sea and in the Gulf of Bothnia during April/May 1967)

Germany - Democratic Republic. Chlorophyceae, Bacillariophyceae, Dinoflagellata, Nostocaceae, Chlorobateriales. Horizontal and vertical distribution. Abundance - cells number, plasma volume. Environmental conditions.
Co 16-2M258.

Coull, B.C. (1970) 17-3M250
Crustaceana, 19(2):119-24
Two new species of Phyllopodopsyllus (Copepoda, Harpacticoida) from Bermuda.

Phyllopodopsyllus paraxenus, Phyllopodopsyllus chavei, spp nov. Descriptions of males and females.
Issued also as: Contr.Bermuda biol.Stn, (471).

Knight, M.D. (1970) 17-3M251
Crustaceana, 19(2):125-56
The larval development of Lepidopa myops Stimpson, (Decapoda, Albuneidae) reared in the laboratory, and the zoeal stages of another species of the genus from California and the Pacific coast of Baja California, Mexico. De

ISE. Description.

Barnard, J.L. (1970) 17-3M252
Crustaceana, 19(2):161-80
The identity of Dexamonica and Prinassus with a revision of Dexaminidae (Amphipoda). De

ISEW, PSE, ISW, ISE, ASE, INW, PSW. Systematics of Dexamonica reduncans, Guernea nordenskioldi, Guernea coalita, Guernea spp nov, Prophlias anomalus, Lepechinella spp, Atylus spp nov, Paradexamine spp. Descriptions, diagnoses and distribution.

Angel, M.V. (1970) 17-3M253
Crustaceana, 19(2):181-99
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Stanford, Calif., Stanford Univ. Press, 758 p.
Marine algae of the Monterey Peninsula, California. 2nd ed.

Taxonomy - description - distribution. Key to genera.

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Bull.Hokkaido Fish.Res.Lab., (35):119-59
(The benthic invertebrates in the fishing ground of king crab (Paralithodes camtschatica) off the west coast of the Kamchatka Peninsula, 1957-64. Part 1). Ni En

INW. Coelenterata. Annelida. Mollusca. Species check list. Relation to food of king crab.

FAO:av

Bourcier, M. (1968) 17-4M026
Recl Trav.Stn mar.Endoume, Fasc.60,Bull.44: 63-108
Étude du benthos du plateau continental de la Baie de Cassis
(Benthos study on the continental shelf of Cassis Bay). En

France - Mediterranean coast. Ecology. Sediments - distribution of species and characteristics. Macrobenthic fauna - communities - individual numbers. Concept of "Isobie".

Ledoyer, M. (1968) 17-4M027
Recl Trav.Stn mar.Endoume, Fasc.60 Bull.44: 125-295
Écologie de la faune vagile des biotopes méditerranéens accessibles en scaphandre autonomé (Région de Marseille principalement). 4. Synthèse de l'étude écologique
(Ecology of the vagil fauna of Mediterranean biotopes accessible to autonome diver (mainly in Marseilles region). 4. Synthesis of an ecological study)

France - Mediterranean coast. Polychaeta, Mollusca, Crustacea, Echinodermata, Pisces - distribution of species, occurrence, and habitat. Communities - faunistical composition - abundance, statistical analysis. Ecological relationships - competition, seasonal fluctuations, zonation. Pollution.
Co 14-4M283.

De Gaillande, D. (1968) 17-4M028
Recl Trav.Stn mar.Endoume, Fasc.60,Bull.44: 357-401
Monographie des peuplements benthiques d'une calanque des côtes de Provence: Port-Miou
(Monograph of the benthic settlements in a cove of the Provence coast: Port-Miou)

France - Mediterranean coast. Environment - geology, hydrography. Flora and fauna - distribution of species, abundance, habitat and communities. Ecological relationships.

Haven, D.S. & R. Morales-Alamo (1966) 17-4M029
Limnol.Oceanogr., 11(4):487-98
Aspects of biodeposition by oysters and other invertebrate filter feeders

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Issued also as: Contr.Va Inst.mar.Sci., (227).

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Proc.natn Shellfish.Ass., 56(1965):53-8
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Growth. Morphology.
Issued also as: Contr.Va Inst.mar.Sci., (217).

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Physiological effects of toxins. Laboratory studies.
Issued also as: Contr.Va Inst.mar.Sci., (163).

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Limnol.Oceanogr., 13(2):379-82
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Issued also as: Mar.Repr.mar.Lab.,Aberdeen, (375).

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Biol.Rev., 44:245-90
Ecology of marine meiobenthos

Size categories. Temporary meiofauna. Permanent meiofauna. Distribution. Seasonal changes. Prey/predator relationships.
Issued also as: Mar.Repr.mar.Lab.,Aberdeen, (390).

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Ecology, 48(5):852-5
Seasonal variations in the availability of food for benthos in a coastal environment

Canada - Pacific coast. Suspended and deposited material. Data on sedimentation rate, chlorophyll a, pheophytin, nitrate and carbon content. Relation to phytoplankton blooms and annual primary production.

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Ecology, 49(1):81-7
Evidence for reproductive periodicity in the deep sea

ANW. Echinodermata - Ophiuroidea. Ecological conditions. Reproductive cycle - gonad development - environmental factors. Breeding habitats.

Evans, J.W. (1968) 17-4M037
Ecology, 49(1):156-9
The role of Penitella penita (Conrad 1837) (family Pholadidae) as eroders along the Pacific coast of North America

USA. Field observations. Physical and biological factors. Burrow characteristics - erosion rate. Biology.

Hazlett, B.A. (1968) 17-4M038
Ecology, 49(3):573-5
Effects of crowding on the agonistic behavior of the hermit crab Pagurus bernhardus

Sweden. Paguridae. Experiments. Model and hypothesis.

Mauzey, K.P., C. Birkeland & P.K. Dayton (1968) 17-4M039
Ecology, 49(4):603-19
Feeding behavior of asteroids and escape responses of their prey in the Puget Sound region

USA - Pacific coast. Echinodermata. Field observations. Prey - specific variation.

Evans, J.W. (1968) 17-4M040
Ecology, 49(4):619-28
Growth rate of the rock-boring clam Penitella penita (Conrad 1837) in relation to hardness o rock and other factors

USA - Pacific coast. Pholadidae. Field observations.

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Ecology, 49(4):746-51
Seasonal pattern of reproduction of the sand crab, Emerita analoga, in Southern California

USA. Pacific coast. Hippidae. Field and laboratory observations. Reproductive potential - biometric data, statistical analysis.

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Ecology, 49(5):848-54
Mortality and stability in a low diversity subtropical intertidal community

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Ecology, 49(6):1046-61
Microhabitats, abundance and food of Conus on atoll reefs in the Maldive and Chagos Islands

ISW. Conidae. Species - habitats. Population - structure, abundance. Food and feeding behaviour. Predation/prey relationships - statistical analysis.

Landenberger, D.E. (1968) 17-4M044
Ecology, 49(6):1062-75
Studies on selective feeding in the Pacific starfish Pisaster in Southern California

Asteroidea. USA. Experiments. Predatory behaviour on Mytilus. Ecological relationships - statistical analysis.

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Ecology, 49(6):1075-91
Growth rates of the sea urchin Strongylocentrotus purpuratus related to food availability and spine abrasion

USA - Pacific coast. Echinoidea. Field observations. Tagging experiments. Population structure. Food species and daily feeding rate. Organic production.

Kott, P. (1969)C 17-4M046
Washington, American Geophysical Union, 240 p.
Antarctic Ascidiacea. Monographic account of the known species based on specimens collected under U.S. Government auspices, 1947-1965

Taxonomy. Distribution. Habitat.

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Nature,Lond., 225(5227):103-4
Tin in organisms and water in the Gulf of Naples

Italy. Analytical data of Algae, Crustacea, Mollusca, Echinodermata, Tunicata, Pisces. Specific variations - relation to body anatomy.

Ignatiades, L. & T. Becacos-Kontos (1970) 17-4M048
Nature,Lond., 225(5229):293-4
Ecology of fouling organisms in a polluted area

Greece. Tests with wooden blocks. Environmental conditions. Monthly settlement - covering percentage. Growth of Bugula, Hydroides, Cliona, Balanus, Mytilus - relation to temperature. Resistance to oil toxicity.

Cabioch, L. (1969) 17-4M049
Cah.Biol.mar., 9(5)Suppl.:493-720
Contribution à la connaissance des peuplements benthiques de la Manche occidentale
(Contribution to the knowledge of benthic populations of the western part of the English Channel). En De

France - Atlantic coast. Hydrographic conditions - temperature, salinity, currents. Sediments - classification and distribution. Natural regions. Flora and fauna - ecological distribution and zonal systems - communities - dominant species - influence of environmental factors.

Biogeography.

Gupta, B.L. & C. Little (1969) 17-4M050
J.mar.biol.Ass.U.K., 49(3):717-41
Studies on Pogonophora. 2. Ultrastructure of the tentacular crown of Siphonobrachia

USA - Atlantic coast. Morphology and histology - description.
Co 11-21510.
Issued also as: Contr.Inst.mar.Sci.Univ. Miami, (1002).

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J.mar.biol.Ass.U.K., 49(3):766-79
Pigmentation and carotenoid metabolism of the marine isopod Idotea metallica

ANE. Pigmentary systems and composition. Distribution of carotenoids. Colour and habitat.

Hughes, R.N. (1969) 17-4M052
J.mar.biol.Ass.U.K., 49(3):805-23
A study of feeding in Scrobicularia plana

England. Pelecypoda - Tellinidae. Field observations and experiments. Feeding habits and behaviour. Ingestion and defaecation rates - relation to temperature. Pumping and filtering rates. Ecology.

Ewald, J.J. (1969) 17-4M053
Bull.mar.Sci., 19(3):510-49
Observations on the biology of Tozeuma carolinense (Decapoda, Hippolytidae) from Florida, with special reference to larval development. Es

USA. Taxonomy. Biology and habitat. Sexual cycle - number of eggs - spawning period. Experiments on larval development - description of stages - effect of temperature.
Issued also as: Contr.Inst.mat.atmos.Sci., Univ.Miami, (1048).

Penzias, L.P. (1969) 17-4M054
Bull.mar.Sci., 19(3):568-79
Tellina martinicensis (Mollusca: Bivalvia): biology and productivity.
Es

USA - Atlantic coast. Field observations and laboratory experiments. Growth, density and mortality. Spawning period and settlement of spat. Effect of environmental condition. Estimation of standing crop, annual and areal productivity.
Issued also as: Contr.Inst.mar.atmos.Sci., Univ.Miami, (1049).

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Bull.mar.Sci., 19(3):580-613
Reproductive periodicities of Indo-Pacific invertebrates in the Gulf of Suez, 2. The echinoid Echinometra mathaei (De Blainville). Es

Red Sea. Gonadal development - histological, physiological and biometric analysis. Sexual cycle - seasonal variations, effects of temperature and nutrients. Reproductive activity - geographical gradations.
Co 16-4M179.

Work, R.C. (1969) 17-4M056
Bull.mar.Sci., 19(3):614-711
Systematics, ecology, and distribution of the mollusks of Los Roques, Venezuela.
Es

Amphineura. Gastropoda. Pelecypoda. Cephalopoda. Taxonomical survey. Habitat and communities. Specific abundance. Classification of species by families and distribution. Zoogeography.
Issued also as: Contr.Inst.mar.atmos.Sci. Univ.Miami, (1050).

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J.Fish.Res.Bd Can., 26(8):2230-4
Preliminary diagnoses of new septibranch species from the eastern Pacific (Bivalvia, Anomalodesmata)

Mollusca. Taxonomy. Description and geographical distribution.

Stevenson, R.A. & S.L. Ufret (1966) 17-4M058
Limnol.Oceanogr., 11(1):11-7
Iron, manganese, and nickel in skeletons and food of the sea urchins Tripneustes esculentus and Echinometra lucunter

Puerto Rico - ASW. Echinoidea. Analytical data - specific and regional differences. Relationships between food, temperature and salinity. Feeding habitat and food types.

Neumann, A.C. (1966) 17-4M059
Limnol.Oceanogr., 11(1):92-108
Observations on coastal erosion in Bermuda and measurements of the boring rate of the sponge, Cliona lampa

Western Atlantic. Porifera. Field observations and laboratory experiments. Coastal morphology and ecological zonation. Removing mechanical action - sediment production.
Issued also as: Contr.Bermuda biol.Stn, (369).

Paine, R.T. (1966) 17-4M060
Limnol.Oceanogr., 11(1):126-9
Endothermy in bomb calorimetry

USA - Pacific coast. Data on species of starfish and coralline algae. Influence of ash percentage. Method and technique.

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Limnol.Oceanogr., 11(4):470-4
Some physiological differences in Vibrio marinus grown at environmental and optimal temperatures

USA - Pacific coast. Bacteria. Growth experiments at different temperatures. Cellular and membrane integrity. Correlations.

Fager, E.W. et al. (1966) 17-4M062
Limnol.Oceanogr., 11(4):503-9
Equipment for use in ecological studies using scuba

USA. Apparatus and method for quantitatively sampling of epifauna, infauna and hypoplankton organisms. Technical description.

Lynts, G.W. (1966) 17-4M063
Limnol.Oceanogr., 11(4):562-6
Variation of foraminiferal standing crop over short lateral distances in Buttonwood Sound, Florida Bay

ASW. Rhizopoda - Foraminifera. Regional variation - statistical analysis. Ecological conditions.

Strohal, P., J. Tuta & Z. Kolar (1969) 17-4M064
Limnol.Oceanogr., 14(2):265-8
Investigations of certain microconstituents in two tunicates

Yugoslavia - North Adriatic coast. Microcosmus sulcatus, Phallusia mammilata. Radioecology. Methods and analytical data. Relation to radionuclides pollution.

Turpaeva, E.P. (1969) 17-4M065
Dokl.Akad.Nauk SSSR, 189(2):415-7
Simfiziologicheskie sviazi v oligomikstnom biotsenoze morskogo obrastaniia
(Symphysiological links in the oligomixt biocenosis of marine animals fouling underwater constructions)

USSR. Perigonimus. Balanus. Rhithropanopeus. Tenellia. Ecology.

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Dokl.biol.Sci., 185(1-6):225-8
Relation between fecundity, body size, and energy metabolism in Idotea baltica basteri (Aud.) and other crustaceans

En 15-4M249.

Zhiubikas, I.I. (1968) 17-4M067
Mater.rybokhoz.Issled.severn.Bass., (12): 110-22
Nekotorye morfo-fiziologicheskie osobennosti litorin i balianusov, obitaiushchikh v morskikh vannakh vostochnogo Murmana
(Some morpho-physiological peculiarities of Littorina and Balanus inhabiting the sea baths of the eastern Murman)

USSR. Littorinidae. Balanidae. Biology - growth, fecundity, abundance.

Johnston, C.S., I.A. Morrison & K. MacLachlan (1969) 17-4M068
J.Ecol., 57(2):453-9
A photographic method for recording the underwater distribution of marine benthic organisms

Scotland. Theory - equipment - application.

Ribier, J. (1970) 17-4M069
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(2): 306-9
Le bourgeonnement au niveau des cellules corticales internes et médullaires de Laminaria saccharina, L. digitata, L. hyperborea
(Sprouting at the level of the internal cortical cells and medullary cells in Laminaria saccharina, L. digitata, L. hyperborea)

France. Phaeophyceae. Origin of formation - mechanism of growth.

Guille, A. (1970) 17-4M070
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(1): 189-92
Les communautés benthiques des substrats meubles du plateau continental au large de Banyuls-sur-Mer
(The benthic communities of the mobile substrata of the continental shelf in front of Banyuls-sur-Mer)

France - Mediterranean coast. Ecological distribution - biomass. Predominant and characteristic species.

Bruslé, J. (1969) 17-4M071
Cah.Biol.mar., 10(3):271-87
Les cycles génitaux d'Asterina gibbosa P.
(Genital cycles in Asterina gibbosa P.).
En De

France - Atlantic and Mediterranean coasts. Asteroidea. Gonad development - histological characteristics and geographic variation. Ovogenesis and spermatogenesis - annual cycle. Geographical sexual races.

Hamond, R. (1969) 17-4M072
Cah.Biol.mar., 10(3):289-300
Intergradation in Norfolk waters between some species of Autolytus (Polychaeta, Syllidae). Fr De

England. Experiments. Variation in colour and morphological characteristics - phenotypes - taxonomical considerations.

Kirsteuer, E. (1965) 17-4M073
Zool.Anz., 175(4-6):371-7
Ptychodera flava (Enteropneusta) von Tanikely, Madagaskar. Ergebnisse der Österreichischen Indo-Westpazifik-Expedition 1959/60
(Ptychodera flava (Enteropneusta) from Tanikely, Madagascar. Results of the Austrian West-Indo Pacific expedition 1959/60. Part 10)

Taxonomy and anatomy. Occurrence.
Issued also as: Coll.Repr.int.Indian Oc. Exped., 4, No. 214, 1967.

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Zool.Jb.(Syst.), 92:289-326
Über das Vorkommen von Nemertinen in einem tropischen Korallenriff. 4. Hoplonemertini monostilifera. Ergebnisse der Österreichischen Indo-Westpazific-Expedition 1959/60. Teil 7
(On the occurrence of Nemertea in a tropical coral reef. 4. Hoplonemertini monostilifera. Results of the Austrian West-Indo-Pacific expedition 1959/60. Part 7)

ISW - Madagascar. Taxonomy and anatomy. Geographic distribution and habitat.
Issued also as: Coll.Repr.int.Indian Oc. Exped., 4, No. 223, 1967.

Humes, A.G. (1966) 17-4M075
Breviora, (246):1-14
Pseudanthessius procurrens n. sp., a cyclopoid copepod associated with a cidarid echinoid in Madagascar

ISW. Lichomolgidae. Taxonomy - description.
Issued also as: Coll.Repr.int.Indian Oc. Exped., 4, No. 230, 1967.

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Calif.Fish Game, 55(1):53-68
The marine environment in the vicinity of San Gabriel River mouth

USA - Pacific coast. Ecological assessment - Algae, Annelida, Mollusca, Crustacea. Number of species by stations - relation to waste discharges and "health" of area.

Bergen, M. (1968) 17-4M077
Crustaceana, 15(3):229-34
The salinity tolerance limits of the adults and early-stage embryos of Balanus glandula Darwin, 1854 (Cirripedia, Thoracica)

Experiments - adult and embryonic stages.

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J.oceanol.Soc.Korea, 3(1):8-15
Polymorphism of a deep marine benthic bacterium from the Gulf of Mexico

Arthrobacter.

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Aust.J.Zool., 16(6):887-914
Two new genera and three new species of crabs (Decapoda: Anomura: Albuneidae) from Australia

Taxonomy. AUSTROLEPIDOPA. STEMONOPA.

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Boln Inst.Oceanogr.,Univ.Oriente, 6(2):186-265
La taxonomía de la vegetación marina en la costa oriental de Venezuela
(Taxonomy of the marine vegetation in the eastern coast of Venezuela)

ASW. Chlorophyceae. Phaeophyceae. Rhodophyceae. Record of species - distribution and phytogeography.

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J.Zool.,Lond., 156(3):363-76
The functional morphology of the digestive system in the carnivorous intertidal isopod Eurydice

Isopoda. Physiology - digestive system.

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Publnes Serv.Hidrogr.nav.Argent., (H1025):45 p.
Sobre el ecosistema de las aguas litorales de Mar del Plata: niveles tróficos y cadenas alimentarias pelágico-demersales y bentónico demersales
(On the ecosystem of littoral waters of Mar del Plata, trophic levels and demersal - pelagic and demersal - benthic food chains)

ASW - Argentina. Trophic levels. Relation to fishery production.

Segi, T. (1966) 17-4M083
Rep.Fac.Fish.Univ.Mie, 5(3):503-16
The type or authentic specimens of Polysiphonia in Europe

Rhodophyceae. Taxonomy.

Giese, A.C. (1967) 17-4M084
Oceanogr.mar.Biol., 5:159-86
Some methods for study of the biochemical constitution of marine invertebrates

USA. Biochemistry. Choice and preparation of analysis material. Determination of total nitrogen, protein, lipids, glycogen, total carbohydrates and reducing sugar. Nucleic acids in times. Discussion of different methods. Examples with species of Echinodermata, Crustacea, Mollusca.

Morita, R.Y. (1967) 17-4M085
Oceanogr.mar.Biol., 5:187-203
Effects of hydrostatic pressure on marine microorganisms

USA. Bacteria, Fungi. Instrumentation and research methods. Ecological, physiological and biochemical considerations. Parameters.

Pilkington, J.B. (1969) 17-4M086
J.mar.biol.Ass.U.K., 49(4):857-77
The organization of skeletal tissues in the spines of Echinus esculentus

England - English Channel. Echinoidea. Electron microscopy, histochemistry. Sclerocyte and calcite ultrastructure. Hydrolitic enzymes.

Edmunds, M. & A. Kress (1969) 17-4M087
J.mar.biol.Ass.U.K., 49(4):879-912
On the European species of Eubranchus (Mollusca Opisthobranchia)

ANE. ASE. Eubranchidae. Taxonomy - synonymies. Morphology - jaws, radulae, reproductive system, cerata. Habitats and geographical distribution.

Fincham, A.A. (1969) 17-4M088
J.mar.biol.Ass.U.K., 49(4):1003-24
Amphipods of the shallow-water sand community in the northern Irish Sea

Amphipoda. Species distribution - diversity and abundance. Ecology - habitat, environmental factors, indicators species.

Norton, T.A. (1969) 17-4M089
J.mar.biol.Ass.U.K., 49(4):1025-45
Growth form and environment in Saccorhiza polyschides

Irish Sea. Phaeophyceae. Field observations and experiment. Morphology - Sporophyte development and digitation process. Ecological variations.

Taylor, D.L. (1969) 17-4M090
J.mar.biol.Ass.U.K., 49(4):1057-65
On the regulation and maintenance of algal numbers in zooxanthellae-coelenterate symbiosis, with a note on the nutritional relationship in Anemonia sulcata

England. Experiments under different conditions - effects in symbiotic system.

Bryan, G.W. (1969) 17-4M091
J.mar.biol.Ass.U.K., 49(4):1067-92
The effects of oil-spill removers ('detergents') on the gastropod Nucella lapillus on a rocky shore and in the laboratory

England - South Cornwall coast. Growth disturbances. Recolonization. Biometric data - size frequency, population density, growth. Toxicity experiments.

Werding, B. (1969) 17-4M092
Mar.Biol., 3(4):306-33
Morphologie, Entwicklung und Ökologie digener Trematoden-Larven der Strandschnecke Littorina littorea
(Morphology, development and ecology of digenous trematode larvae of the littoral snail Littorina littorea). En

Germany Federal Republic - North Sea coast. Littorinidae - parasites. Description of larval trematodes - Podocotyle, Cryptocotyle, Renicola, Cercaria, Himasthla, Microphallus. Life cycle - environmental factors - infestation and seasonal variations.

Berland, B.R. & S.Y. Maestrini (1969) 17-4M093
Mar.Biol., 3(4):334-5
Study of bacteria associated with marine algae in culture. 2. Action of antibiotic substances

France. Experiments with Pseudomonas, Vibrio, Agarbacterium, Xanthomonas, Achromobacter, Flavobacterium, Micrococcus, Staphylococcus. Inhibitory action of antibiotics - specific resistence.
Co 16-3M051.

von Oertzen, J.A. & V. Motzfeld (1969) 17-4M094
Mar.Biol., 3(4):336-40
Eine Apparatur zur kontinuierlichen Respirationsmessung an marinen Organismen (An apparatus for continuous respiration measurement in marine organisms). En

Germany - Democratic Republic. Apparatus and method - respiration chamber. Application to polychaetes, molluscs, fish and algae.

Chapman, G. & A.C. Rae (1969) 17-4M095
Mar.Biol., 3(4):341-51
Excretion of photosynthate by a benthic diatom

England. Phaeodactylum tricornutum. Method and experiments.

Reish, D.J. & G.C. Stephens (1969) 17-4M096
Mar.Biol., 3(4):352-5
Uptake of organic material by aquatic invertebrates. 5. The influence of age on the uptake of glycine-$C^{14}$ by the polychaete Neanthes arenaceodentata

USA - Pacific coast. Experiments.
Co 12-4M168.

Paine, R.T. & R.L. Vadas (1969) 17-4M097
Mar.Biol., 4(2):79-86
Calorific values of benthic marine algae and their postulated relation to invertebrate food preference

USA - Pacific coast. Chlorophyceae. Phaeophyceae. Rhodophyceae. Analytical data by species. Seasonal and regional variations - ecological factors.

Hammer, L. (1969) 17-4M098
Mar.Biol., 4(2):136-8
"Free space-photosynthesis" in the algae Fucus virsoides and Laminaria saccharina

Adriatic Sea. Baltic Sea. Phaeophyceae. Experiments. Role of bicarbonates in photosynthesis - influence on assimilation of ions.

Fagetti, E.G. (1969) 17-4M099
Mar.Biol., 4(2):160-5
Larval development of the spider crab Pisoides edwardsi (Decapoda, Brachyura) under laboratory conditions

Chile. Laboratory experiments. Rearing of larvae. Description of larval stages - development at different temperatures - mortality.

Soldatova, I.N. et al. (1969) 17-4M100
Dokl.biol.Sci., 184(1-6):45-8
Assimilability of plant and animal foods by higher marine crustaceans under different conditions

En 15-4M231.

Khailov, K.M. & Z.P. Burlakova (1969) 17-4M101
Limnol.Oceanogr., 14(4):521-7
Release of dissolved organic matter by marine seaweeds and distribution of their total organic production to inshore communities

USSR. Barents Sea. Black Sea. Chlorophyceae. Phaeophyceae. Rhodophyceae. Experiments. Gross production. Estimation of release rate of different species per hour and year - total flow of dissolved organic matter during growth and after dead. Ecological significance. Energy flow model.
FAO:sv

Sharp, J.H. (1969) 17-4M102
Limnol.Oceanogr., 14(4):568-78
Blue-green algae and carbonates-Schizothrix calcicola and algal stromatolites from Bermuda

Western Atlantic. Myxophyceae. Biogenic formation of sediments - laboratory and field observations. Algal stromatolites - description, distribution, ecology.

Barnett, P.R.O. (1969) 17-4M103
Limnol.Oceanogr., 14(4):648-9
A stabilizing framework for the Knudsen bottom sampler

Scotland. Apparatus. Technical description. Operation.

Ross, D.M. (1967) 17-4M104
Oceanogr.mar.Biol., 5:291-316
Behavioural and ecological relationships between sea anemones and other invertebrates

General review. Anthozoa. Actinaria. Association with species of crabs, molluscs and starfishes - synthesis of various experiments. Swimming response. Terminology.

Ryland, J.S. (1967) 17-4M105
Oceanogr.mar.Biol., 5:343-69
Polyzoa

Ectoprocta - benthic and free living species. General synthesis - morphology and development, pigmentation, bathymetric distribution. Fouling - geographic propagation, reproduction and settlement seasons. Larval behaviour. Growth. Terminology.

Pérès, J.M. (1967) 17-4M106
Oceanogr.mar.Biol., 5:449-533
The Mediterranean benthos

General ecology. Origin and evolution. Biogeography. Vertical zonation - biocoenosis structure, predominant species. Aphytal system. Biomass estimations.

Gamulin-Brida, H. (1967) 17-4M107
Oceanogr.mar.Biol., 5:535-68
The benthic fauna of the Adriatic Sea

General ecology. Origin. Biogeography. Population units - specific structure, comparison with Mediterranean Sea. Biomass and productivity. Taxonomic list of species.

Trueman, E.R. & A.D. Ansell (1969) 17-4M108
Oceanogr.mar.Biol., 7:315-66
The mechanisms of burrowing into soft substrata by marine animals

General principles. Physical characteristics of substrata. Examples referring to species of Coelenterata, Nemertea, Annelida, Mollusca, Crustacea, Echinodermata, Brachiopoda, Gephyrea, Balanoglossida, Amphioxidae. Physiology and behaviour - experimental data.

Marcus, E. & E. Marcus (1967) 17-4M109
Stud.trop.Oceanogr., (6):3-137
Tropical American opisthobranchs

ISE - Gulf of Panama. ASW - Gulf of Mexico. Caribbean Sea, Brazilian coast. Gastropoda. Taxonomy - description of species. Geographical distribution - habitat. Zoogeography.

Marcus, E. & E. Marcus (1967) 17-4M110
Stud.trop.Oceanogr., (6):141-256
Opisthobranchs from the Gulf of California

ISE. Gastropoda. Taxonomy - description of species, key to species. Geographical distribution - habitat. Zoogeography.

Schulz, S. (1969) 17-4M111
Beitr.Meeresk., (24/25):15-55
Benthos und Sediment in der Mecklenburger Bucht
(Benthos and sediment in the Mecklenburger Bight)

Baltic Sea. Germany - Democratic Republic. Sediments distribution. Hydrographic conditions. Macrobenthos - Mollusca, Crustacea, Echinodermata, Polychaeta, Priapulida, Tunicata. Communities - distribution. Ecology.

Kosler, A. (1969) 17-4M112
Beitr.Meeresk., (24/25):56-80
Zur Makrofauna des Eulitorals bei Hiddensee
(The macrofauna of the eulittoral of the Hiddensee Island)

Baltic Sea. Germany - Democratic Republic. Vermes. Mollusca. Crustacea. Bryozoa. Pisces. Environment - sediments and hydrography. Distribution of species by transects. Ecology.

Lepailleur, H. (1970) 17-4M113
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(7): 928-31
Sur un nouveau genre de Chrysophycées: EXANTHEMACHRYSIS nov.gen. (E. gayralii nov.sp.)
(On a new genus of Chrysophyceae: EXANTHEMACHRYSIS nov.gen. (E. gayralii nov.sp.))

France. Description. Experiments in unialgal culture - development and growth.

Perrot, Y. (1970) 17-4M114
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(7): 932-3
Sur la spécificité et le cycle de l'Ulothrix subflaccida (Wille) des côtes françaises
(On the specificity and the cycle of Ulothrix subflaccida (Wille) from the French coasts)

France - English Channel. Chlorophyceae. Description of reproductive cycle - regional differences.

Jacques, F. (1970) 17-4M115
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(7): 958-9
Description d'organes glandulaires dans les antennes de larves de Stomatopodes
(Description of the glandular organs in the antennae of Stomatopoda larvae)

France - Mediterranean coast. Lysiosquilla, Squilla. Histology.

Turquier, Y. (1970) 17-4M116
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(7): 960-2
Influence de l'âge des larves de Trypetesa (=Alcippe) nassarioides Turquier (Cirripède Acrothoracique) sur leur comportement au moment de la métamorphose
(The influence of age of the larvae of Trypetesa (=Alcippe) nassarioides Turquier (Cirripedia Acrothoracia) on their behaviour during metamorphosis)

France - Atlantic coast. Experiments. Cypris stage. Explanation on basis of seasonal and trophic factors.
FAO:mv

Bocquet-Védrine, J. (1970) 17-4M117
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(7): 963-5
Structure et formation des troncs cémentaires radiaux chez le Crustacé Cirripède Operculé Balanus crenatus Bruguière
(Structure and formation of radial cemental trunk in the operculate Crustacea Cirripedia Balanus crenatus Bruguière)

France. Anatomical description.

Wynne, M. (1970) 17-4M118
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(14): 1780-2
A propos d'un genre nouveau, RHODOLACHNE (Rhodomelaceae), de l'Océan Indien
(About a new genus, RHODOLACHNE (Rhodomelaceae), of the Indian Ocean)

Seychelles. Rhodophyceae. Taxonomy - description, diagnosis.

Dangeard, P. (1970) 17-4M119
C.r.hebd.Séanc.Acad.Sci.,Paris(D), 270(13): 1678-80
Sur un genre nouveau d'Ectocarpale (Myrionématacée) PHAEOSTROMATELLA nov. gen. (Phaeostromatella elegans nov.sp.)
(On a new genus of Ectocarpales (Myrionemataceae) PHAEOSTROMATELLA nov. gen. (Phaeostromatella elegans nov.sp.))

France - Atlantic coast. Phaeophyceae. Taxonomy - description. Development.

Crumeyrolles-Duclaux, G. (1970) 17-4M120
C.r.hebd.Séanc.Acad.Sci.,Paris(D), 270(9): 1238-9
Sur la position systématique des Zooxanthelles de Cliona viridis (Schm.), spongiaire
(On the systematic position of Zooxanthellae of the sponge Cliona viridis (Schm.))

France - Mediterranean coast. Algal symbionts - electronic microscopy. Characteristics similar to Dinophyceae.

Gravier, N. et al. (1970) 17-4M121
C.r.hebd.Séanc.Acad.Sci.,Paris(D), 270(8): 1130-3
Les récifs coralliens de Tuléar (Madagascar): morphologie et bionomie de la pente externe
(The coral reefs of Tulear (Madagascar): morphology and bionomics of the external slope)

Ecology - substrata, communities. Bathymetric distribution of main species.

Jahn, W. (1970) 17-4M122
Nature,Lond., 225(5237):1068-9
Umbellulidae distribution extended in the Atlantic

Coelenterata. Horizontal and bathymetric occurrence.

Thomas, L.P. (1970) 17-4M123
Nature,Lond., 225(5239):1269-70
Another Acanthaster disaster

Central America. New trans-isthmus canal - possible invasion of the Caribbean Sea.

North, W.J. & J.S. Pearse (1970) 17-4M124
Science, 167(3915):209
Sea urchin population explosion in Southern California coastal waters

USA. Strongylocentrotus. Destruction of kelp beds.

Gillett, K. & J. Yaldwyn (1969)C 17-4M125
Sydney, A.H. & A.W. Reed Pty.,Ltd., 112 p.
Australian seashores in colour

Littoral communities - main species - habitat.

Mikulich, L.V. (1970) 17-4M126
Dokl.Akad.Nauk SSSR, 190(4):979-82
Polipy iadovitoi meduzy (Gonionemus vertens vertens L. Agassiz) i ikh povedenie
(The polypes of the venomous meduse (Gonionemus vertens vertens L. Agassiz) and their behaviour)

USSR. Hydrozoa. Development - stages description, habits.

Newman, W.A. (1970) 17-4M127
Science, 167(3922):1274-5
Acanthaster: A disaster?

ISEW. Echinodermata. Damages on living coral reefs - causes, control.

Chesher, R.H. (1970) 17-4M128
Science, 167(3922):1275
Acanthaster: A disaster?

ISEW. Echinodermata. Damages on living coral reefs - causes, control.
CR 17-4M127.

ANON. (1970) 17-4M129
Nature,Lond., 226(5245):498-9
Coral reefs. Plague still rages

ISEW - Australia, Grear Barrier Reef. Echinodermata, Acanthaster planci - predatory activity. Destruction of live coral - causes of plague - estimation of damages. Control.

Millar, R.H. (1970)C 17-4M130
London, Academic Press, 92 p.
British ascidians. Tunicata: Ascidiacea - keys and notes for the identification of the species

ANE. Taxonomy. Distribution.

Edwards, P. (1970) 17-4M131
Nature,Lond., 226(5244):467-8
Attempted hybridization in the red algal genus Polysiphonia

England. Rhodophyceae. Experimental taxonomy - interspecific and intraspecific crosses with Polysiphonia boldii and Polysiphonia denudata.

Rosewater, J. (1970) 17-4M132
Science, 167(3924):1485-6
Monoplacophora in the South Atlantic Ocean

PSW. Occurrence of Neopilina. Geographic distribution.

Pinsker, H. et al. (1970) 17-4M133
Science, 167(3926):1740-2
Habituation and dishabituation of the gill-withdrawl reflex in Aplysia

USA. Gastropoda. Behavioural experiments - physiology.

Kupfermann, I. et al. (1970) 17-4M134
Science, 167(3926):1743-5
Neuronal correlates of habituation and dishabituation of the gill-withdrawl reflex in Aplysia

Gastropoda. Behavioural experiments - physiology.

Castellucci, V. et al. (1970) 17-4M135
Science, 167(3926):1745-8
Neuronal mechanisms of habituation and dishabituation of the gill-withdrawl reflex in Aplysia

USA. Gastropoda. Behavioural experiments - physiology.

Majak, W. J.S. Craigie & J. McLachlan (1966) 17-4M136
Can.J.Bot., 44:541-9
Photosynthesis in algae. 1. Accumulation products in the Rhodophyceae

Canada - Atlantic coast. Productivity - analytical data.

Thomas, M.L.H. (1966) 17-4M137
Proc.northeast.Weed Contr.Conf., (21):542-9
Experimental control of eelgrass (Zostera marina L.) in oyster growing areas

Canada - Atlantic coast. Zosteraceae. Chemical control with herbicides. Lethal effect on benthic fauna - Venus, Littorina. Issued also as: Stud.Fish.Res.Bd Can., 1967,Pt.1, No. 1122.

Pettibone, M.H. (1967) 17-4M138
Proc.U.S.natn.Mus., 119(3553):23 p.
Type-specimens of polychaetes described by Edith and Cyril Berkeley (1923-1964)

INE. ISE. Annelida Polychaeta. Taxonomy. Geographic distribution, habitat. Planktonic species - Tomopteridae, Pilargidae. Issued also as: Stud.Fish.Res.Bd Can., 1967,Pt.1, No. 1123.

Banse, K. (1969) 17-4M139
J.Fish.Res.Bd Can., 26(10):2595-620
Acrocirridae n. fam. (Polychaeta Sedentaria)

World ocean. Taxonomic review. Diagnosis and description - family and species. Geographic distribution. Key to species. Issued also as: Contr.Dep.Oceanogr.Univ.Wash., (506).

Mettrick, D.F. & J.B. Jennings (1969) 17-4M140
J.Fish.Res.Bd Can., 26(10):2669-79
Nutrition and chemical composition of the rhabdocoel turbellarian Syndesmis franciscana, with notes on the taxonomy of S. antillarum. Fr

ISE - California coast, ASW - Caribbean. Turbellaria. Nutritional physiology. Food and feeding mechanisms. Digestion - histological, histochemical and biochemical data. Morphological interspecific differences

Edelstein, T., J.S. Craigie & J. McLachlan (1969) 17-4M141
J.Fish.Res.Bd Can., 26(10):2703-13
Preliminary survey of the sublittoral flora of Halifax County

Canada - Atlantic coast. Chlorophyceae. Xanthophyceae. Chrysophyceae. Phaeophyceae. Rhodophyceae. Environment - topography, temperature, salinity. List of species - vertical distribution, relative abundance. Ecological relationships - associations.

Gibson, J.S. (1970) 17-4M142
J.Anim.Ecol., 39(1):159-68
The function of the operculum of Thais lapillus (L.) in resisting desiccation and predation

England. Gastropoda - Thaisidae. Experiments. Desiccation - diagram of lethal times, rate of water loss. Predation by Carcinus.

Kanatani, H. & H. Shirai (1969) 17-4M143
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(2): 297-311
Mechanism of starfish spawning. 2. Some aspects of action of a neural substance obtained from radial nerve

Japan. Asteroidea - Asterias amurensis, Asterina pectinifera. Physiology - experiments.
Co 12-4M165.

Martin, W.E. (1969) 17-4M144
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(2): 332-7
Rynkatorpa pawsoni n. sp. (Echinodermata: Holothuroidea) a commensal sea cucumber

USA - Pacific coast. Taxonomy. Morphology and cytology. Occurrence on bathypelagic fish.

Roberts, M.H.,Jr. (1969) 17-4M145
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(2): 338-51
Larval development of Bathynectes superba (Costa) reared in the laboratory

USA - Atlantic coast. Portunidae. Zoeal stages, description - external anatomy, generic characters. Intermolt duration.

Wermuth, J.F. & C.D. Barnes (1969) 17-4M146
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(2): 375-83
Differential radioprotection by glutathione of two growth functions in the hydroid Campanularia flexuosa

USA - Atlantic coast. Coelenterata, Hydrozoa. Experiments. Stolon growth - effect of x-irradiation, daily rate. Growth control - hypothesis.

Kojyo, S. (1968) 17-4M147
Jap.J.Ecol., 18:109-11
(On the algal vegetation of Fukaya Canal, Shima Peninsula (Japan)). Ni

Algal survey - sublittoral and littoral region. Ecology - species composition, zonation.
ABA 1(6)Aq2781.

Sameoto, D.D. (1969) 17-4M148
J.Fish.Res.Bd Can., 26(9):2283-98
Physiological tolerances and benaviour responses of five species of Haustoriidae (Amphipoda: Crustacea) to five environmental factors

USA - Atlantic coast. Ecology - experiments. Responses to environmental factors - high temperature, desiccation, low salinity, low oxygen concentration, sediment. Survival. Metabolism. Ecological distribution - sediment preference.

Winters, K., P.L. Parker & C. van Baalen (1969) 17-4M149
Science, 163:467-8
Hydrocarbons of blue-green algae: geochemical significance

Gulf of Mexico. Myxophyceae, including planktonic species - Trichodesmium. Culture experiments - analytical data.
ABA 1(6)Aq2782.

Fulcher, R.G. & M.E. McCully (1969) 17-4M150
Can.J.Bot., 47:219-22
Laboratory culture of the intertidal brown alga Fucus vesiculosus

Canada. Phaeophyceae. Culture system, methods - growth and development.
ABA 1(6)Aq2807.

Abele, L.G. (1970) 17-4M151
Nature,Lond., 226(5246):661-2
Semi-terrestrial shrimp (Merguia rhizophorae)

Panama - Caribbean Sea. Crustacea Decapoda. Biology - habitat, behaviour, life cycle. Experiments.

Delépine, R., I.M. Lamb & M. Zimmermann (1970) 17-4M152
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(16): 1973-6
Sur les algues marines antarctiques rapportées au genre Monostroma Thuret
(On the Antarctic marine algae related to the genus Monostroma Thuret)

PSEW. Monostroma harioti, Porphyra endiviifolium, ATARCTOSACCION. Taxonomy, morphology - description. Occurrence - habitat.

Boilly-Marer, Y. (1970) 17-4M153
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(16): 2027-30
Sur la précocité de la détermination des caractères sexuels secondaires chez Nereis pelagica L. (Annélide Polychète)
(On the precocity of the determination of the secondary sexual characters in Nereis pelagica L. (Annelida Polychaeta))

France. Experiments.

Gordon, C.M. (1969) 17-4M154
Crustaceana, 16:139-42
The apparent influence of salinity on the distribution of barnacle species in Chesapeake Bay (Cirripedia)

USA - Atlantic coast. Balanus, Chthalamus.
ABA 1(6)Aq2868.

Fratello, B. (1966) 17-4M155
Boll.Zool., 33:147-8
(Cytotaxonomy and systematics of Rhizocephala (Crustacea, Cirripedia). It

Italy - Gulf of Naples. Peltogaster, Sacculina, Parthenopea, Drepanorchis. Specific chromosome number.
ABA 1(6)Aq2869.

Hartnoll, R.G. (1969) 17-4M156
Crustaceana, 16:161-81
Mating in Brachyura

General. Portunidae, Cancridae, Grapsidae, Ocypodidae, Xanthidae, Majidae. Patterns of mating - description, behaviour, stimuli.
ABA 1(6)Aq2872.

Schöne, H. (1968) 17-4M157
Am.Zool., 8:641-54
Agonistic and sexual display in aquatic and semi-terrestrial brachyuran crabs

Dromiidae, Leucosiidae, Majidae, Parthenopidae, Cancridae, Portunidae, Xanthidae. Behaviour - physical interactions, tactile and chemical stimuli.
ABA 1(6)Aq2873.

Holthuis, L.B. (1969) 17-4M158
Crustaceana, 16:221-3
Indication of a neotype for Cancer mantis L., 1758 (Stomatopoda, Squillidae)

Adriatic Sea. Taxonomy - description.
ABA 1(6)Aq2879.

Keith, D.E. (1969) 17-4M159
Crustaceana, 16:119-24
Aspects of feeding in Caprella californica Stimpson and Caprella equilibra Say (Amphipoda)

USA - Pacific coast. Field observations and laboratory experiments. Digestion.
ABA 1(6)Aq2880.

Hanson, A.J. (1969) 17-4M160
Crustaceana, 16:143-57
The larval development of the sand crab Hippa cubensis (De Sausure) in the laboratory (Decapoda, Anomura)

ASW. Description of stages - anatomical differences. Effect of temperature.
ABA 1(6)Aq2889.

Rao, K.R. (1968) 17-4M161
Am.Zool., 8:561-7
The pericardial sacs of Ocypode in relation to the conservation of water, molting and behaviour

India. Ocypodidae. Experiments.
ABA 1(6)Aq2900.

Rebach, S. (1968) 17-4M162
Am.Zool., 8:691
Orientation and movements of the hermit crab, Pagurus longicarpus

USA - Atlantic coast. Paguridae. Experiments. Directional and non-directional tendencies.
ABA 1(6)Aq2902.

Miller, D.C. & F.J. Vernberg (1968) 17-4M163
Am.Zool., 8:459-69
Some thermal requirements of fiddler crabs of the temperate and tropical zones and their influence on geographic distribution

USA - Atlantic coast. Ocypodidae - Uca. Temperature limits of different populations - experiments.
ABA 1(6)Aq2916.

Barnwell, F.H. (1968) 17-4M164
Am.Zool., 8:569-83
The role of rhythmic systems in the adaptation of fiddler crabs to the intertidal zone

USA - Atlantic coast. Ocypodidae - Uca. Transplantation experiments.
ABA 1(6)Aq2917.

Herrnkind, W.F. (1968) 17-4M165
Am.Zool., 8:585-98
Adaptive visually-directed orientation in Uca pugilator

USA - Atlantic coast. Ocypodidae. Field and laboratory experiments. Menotaxis, telotaxis - methods.
ABA 1(6)Aq2918.

Drew, E.A. (1969) 17-4M166
New Phytol., 68:35-43
Uptake and metabolism of exogenously supplied sugars by brown algae

England. Ascophyllum, Pelvetia, Fucus. Experiments - analytical data.
ABA 1(6)Aq2808.

Muscatine, L. & E. Cernichiari (1968) 17-4M167
Am.Zool., 8:771
Assimilation of photosynthetic products of zooxanthellae by a reef coral

USA. Pocillopora damicornis. Experiments - algal symbiosis. Analytical data of animal tissue and skeleton.
ABA 1(6)Aq2828. Abstract only.

Trench, R.K. (1968) 17-4M168
Am.Zool., 8:771
The liberation of soluble photosynthate by symbiotic zooxanthellae

USA. Cryptophyceae. Experiments - algal symbiosis.
ABA 1(6)Aq2829. Abstract only.

Young, S.D. (1968) 17-4M169
Am.Zool., 8:771
Organic components of scleractinian coral skeletons

Pacific Ocean - Hawaii Islands. Coelenterata. Data on amino acids and amino sugar - taxonomical significance.
ABA 1(6)Aq2830. Abstract only.

Dice, J.F.,Jr. (1969) 17-4M170
Comp.Biochem.Physiol., 28:1331-43
Osmoregulation and salinity tolerance in the polychaete annelid, Cirriformia spirabrancha (Moore, 1904)

USA - Pacific coast. Annelida. Experiments.
ABA 1(6)Aq2850.

Scelzo, M.A. & E.E. Boschi (1969) 17-4M171
Physis,B. Aires, 29(78):165-84
Desarrollo larval del cangrejo ermitaño Pagurus exilis (Benedict) en laboratorio (Crustacea, Anomura, Paguridae)
(The larval stages of the hermit crab Pagurus exilis (Benedict) reared in the laboratory (Crustacea, Anomura, Paguridae)). En

PSW - Argentina. Description of stages - morphological variations - duration of development - survival.
Issued also as: Contrnes Inst.Biol.mar. Mar Plata, (108).

Salmon, M. & S.P. Atsaides (1968) 17-4M172
Am.Zool., 8:623-39
Visual and acoustical signalling during courtship by fiddler crabs (genus Uca)

USA - Atlantic coast. Ocypodidae. Experiments - behaviour.
ABA 1(6)Aq2919.

Bombace, G. (1968) 17-4M173
Natura, Milano, 59:107-14
(Discovery of Modiolus politus (Verrill and Smith) (Mollusca, Bivalvia) off the Isola di Marettimo (NW of Sicily)). It

Western Mediterranean - Italy. Morphology. Ecology.
ABA 1(6)Aq2936.

Kenny, R. (1969) 17-4M174
Pacif.Sci., 23:51-5
Growth and asexual reproduction of the starfish Nepanthia belcheri (Perrier)

ISEW - Australia. Echinodermata. Biological and biometric data. Growth of arm radius.
ABA 1(6)Aq2954.

Tortonese, E. (1968) 17-4M175
Natura,Milano, 59:55-7
(Echinoderms as disturbers of biological equilibria). It

General review. Acanthaster planci, Strongylocentrotus franciscanus, Strongylocentrotus purpuratus.
ABA 1(6)Aq2955.

Hoestlandt, H. (1970) 17-4M176
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(17): 2124-5
Sur le polychromatisme de populations de Gnorimosphaeroma oregonense Dana (Isopode Flabellifère) de la côte pacifique américaine
(On the polychromatism of the Gnorimosphaeroma oregonense Dana (Isopoda) populations of the American Pacific coast)

INE. Crustacea. Genetics. Phenotypes frequency, pigmentary types. Ecological adaptation - relation to temperature.

Rouvillois, A. & M. Rosset-Moulinier (1969) 17-4M177
Cah.océanogr., 21(10):933-41
Mise au point d'un petit carottier pour le prélèvement sans perturbation de la partie superficielle des sédiments marins
(Development of a small coring device for sampling without disturbing the superficial part of the marine sediments)

France. Apparatus - Foraminifera, quantitative studies. Technical description. Operation. Experimental data.

Kain, J.M. & P. Svendsen (1969) 17-4M178
Sarsia, (38):25-30
A note on the behaviour of Patina pellucida in Britain and Norway

England, Norway - ANE. Mollusca. Gastropoda. Algal substratum - distribution, migration, settling. Plant infestation, damages.

Nielsen, S.-O. (1969) 17-4M179
Sarsia, (38):31-70
Investigations on the genus Clypeoniscus (Crustacea Epicaridea) with notes on host-parasite relations and distribution

Norway, Sweden, Denmark - ANE. Isopoda. Taxonomy - morphological description, females, larvae. Feeding.

Dommasnes, A. (1969) 17-4M180
Sarsia, (38):71-86
On the fauna of Coralline officinalis L. in western Norway

ANE. Ecology - faunal composition, Invertebrata. Environmental conditions. Individuals abundance.

Little, C. (1969) 17-4M181
Sarsia, (38):87-90
A note on salinity tolerance in Siboglinum ekmani (Pogonophora)

Norway, England - ANE. Physiology, osmoregulation - laboratory experiments.

Nielsen, S.-O. (1969) 17-4M182
Sarsia, (38):91-110
Nectonema munidae Brinkmann (Nematomorpha) parasitizing Munida tenuimana G.O. Sars (Crust. Dec.). With notes on host-parasite relations and new host species

Norway - ANE. Ecology, biology.

Pawson, D.L. (1969) 17-4M183
Sarsia, (38):121-45
Holothuroidea from Chile. Report No. 46 of the Lund University Chile expedition 1948-1949

PSW, ISE. Echinodermata. Taxonomy - description, distribution, habitat, key to species. Zoogeography.

Phillips, B.F. (1969) 17-4M184
Aust.J.mar.freshwat.Res., 20(3):225-65
Population ecology of the whelk Dicathais aegrota in western Australia

Australia - PSE. Mollusca Gastropoda. Habitat, community. Environmental conditions - responses to physicochemical factors. Food and feeding. Mortality. Migrations. Reproduction, egg and larval development. Growth. Population size and age structure.

Wilson, D.P. (1970) 17-4M185
J.mar.biol.Ass.U.K., 50(1):1-31
Additional observations on larval growth and settlement of Sabellaria alveolata

UK - England, ANE. Annelida Polychaeta. Ecology, behaviour. Fertilization and rearing experiments. Feeding, growth rate, survival. Metamorphosis duration. Settlement conditions - choice of tubes, attractiveness of different material.

Tomlinson, J.T. (1969)B 17-4M186
Bull.U.S.natn.Mus., (296):162 p.
The burrowing barnacles (Cirripedia: Order Acrothoracica)

Fry, W.G. (Ed.)(1970)B 17-4M187
Symp.zool.Soc.Lond., (25):512 p.
The biology of the Porifera

Nicol, D. (1970) 17-4M188
Science, 168(3936):1248-9
Antarctic pelecypod faunal peculiarities

PSEW. PSE. PSW. Zoogeography. Families diversity and dominance, ecological distribution. Origin and dispersion.

Manning, R.B. (1969) 17-4M189
Smithson.Contr.Zool., (36):44 p.
A review of the genus Harpiosquilla (Crustacea, Stomatopoda), with descriptions of three new species

USA. Taxonomy.

Oglesbury, R.T. & D. Jamison (1968) 17-4M190
J.sanit.Engng Div.Am.Soc.civ.Engrs, 94, SA3, Pap.No. 6008:541-50
Intertidal communities as monitors of pollution

USA - Pacific coast. Biological tests - species composition and species diversity. Algal communities - aerial photography, methods.
WPA 42(2)424.

Williams, B.G. (1969) 17-4M191
J.exp.mar.Biol.Ecol., 3(3):215-23
The rhythmic activity of Hemigrapsus edwardsi

New Zealand. Grapsidae. Behavioural physiology - experiments. Locomotor activity - influence of tidal rhythm and seasonal change.

Kozloff, E.N. (1969) 17-4M192
J.exp.mar.Biol.Ecol., 3(3):224-30
Monoxenic cultivation of an acoel turbellarian, Parotocelis luteola Kozloff

USA - Atlantic coast. Turbellaria. Feeding experiments with diatoms - effect on growth and reproduction.

Blackmore, D.T. (1969) 17-4M193
J.exp.mar.Biol.Ecol., 3(3):231-45
Studies of Patella vulgata L. 2. Seasonal variation in biochemical composition

England. Gastropoda. Analytical data - lipid, polysaccharidae, nitrogen, water, ash. Correlations with body weight, sexes and reproductive cycle.
Co 16-4M068.

White, E.B. & A.D. Boney (1969) 17-4M194
J.exp.mar.Biol.Ecol., 3(3):246-74
Experiments with some endophytic and endozoic Acrochaetium species

UK. Rhodophyceae. Culture in vitro - sporangium formation, spores liberation, germination. Environmental factors, effect on growth - light, salinity, temperature, pH. Growth of spores on host material and calcareous substrata.

Ansell, A.D. & A. Trevallion (1969) 17-4M195
J.exp.mar.Biol.Ecol., 4(1):9-35
Behavioural adaptations of intertidal molluscs from a tropical sandy beach

South India coast. Mactra, Donax, Bullia. Field observations and laboratory experiments. Burrowing movements. Vertical migrations. Interspecific comparison.

Barnes, H. & M. Barnes (1969) 17-4M196
J.exp.mar.Biol.Ecol., 4(1):36-50
Seasonal changes in the acutely determined oxygen consumption and effect of temperature for three common cirripedes, Balanus balanoides (L.), B. balanus (L.) and Chthamalus stellatus (Poli)

Scotland - Irish Sea coast. Crustacea. Metabolism - experiments. Statistical analysis of data, correlations.

Barnes, H. & M.J.R. Healy (1969) 17-4M197
J.exp.mar.Biol.Ecol., 4(1):51-70
Biometrical studies on some common cirripedes. 2. Discriminant analysis of measurements on the scuta and terga of Balanus balanus (L.), B. crenatus Brug., B. improvisus Darwin, B. glandula Darwin, and B. amphitrite stutsburi Darwin (B. pallidus stutsburi)

World ocean - different geographic regions. Crustacea. Valves - compound measurements, linear combinations, canonical variates. Speciation.
Co 10-21437.

Chapman, D.J. & D.L. Fox (1969) 17-4M198
J.exp.mar.Biol.Ecol., 4(1):71-8
Bile pigment metabolism in the sea-hare Aplysia

USA - Pacific coast. Gastropoda. Feeding experiments with different diets - effect on purple ink secretion.

Amanieu, M. (1969) 17-4M199
J.exp.mar.Biol.Ecol., 4(1):79-89
Variations saisonnières de la taille et cycle reproducteur à Arcachon de Cyathura carinata (Kröyer)
(Seasonal variations in the size and reproductive cycle of a population of Cyathura carinata (Kröyer) in the region of Arcachon). En

France - Atlantic coast. Isopoda, Anthuridae. Size frequency distribution. Sexual dimorphism, sex ratio. Reproduction period.

Gray, J.S. & R.M. Johnson (1970) 17-4M200
J.exp.mar.Biol.Ecol., 4(2):119-33
The bacteria of a sandy beach as an ecological factor affecting the interstitial gastrotrich Turbanella hyalina Schultze

England - North Sea coast. Culture experiments - attractive property of bacteria, identification of species. Biological correlations of samples.

Mariscal, R.N. (1970) 17-4M201
J.exp.mar.Biol.Ecol., 4(2):134-49
An experimental analysis of the protection of Amphiprion xanthurus Cuvier & Valenciennes and some other anemone fishes from sea anemones

USA - Pacific coast. Pisces, Coelenterata - symbiotic association. Acclimation of fish, change of epidermal mucous properties.

Jones, D.A. & E. Naylor (1970) 17-4M202
J.exp.mar.Biol.Ecol., 4(2):188-99
The swimming rhythm of the sand beach isopod Eurydice pulchra

England. Crustacea. Behaviour. Field observations and laboratory experiments. Effect of external factors - light, waves, pressure, temperature. Diurnal variations.

Apelt, G. (1969) 17-4M203
Mar.Biol., 4(4):267-325
Fortpflanzungsbiologie, Entwicklungszyklen und vergleichende Frühentwicklung acoeler Turbellarien
(Reproductive biology, life-cycles and comparative early ontogeny of acoelous turbellarians). En

Germany, Federal Republic - North Sea. Convolutidae. Laboratory and field observations. Sexual organs - anatomy, mechanism. Copulation. Eggs production, embryogenesis - effect of temperature, survival. Resistence to starvation. Development. Settlement behaviour, habitat. Selected bibliography.

Foster, B.A. (1969) 17-4M204
Mar.Biol., 4(4):326-32
Tolerance of high temperatures by some intertidal barnacles

England - Irish Sea. Crustacea. Cirripedia. Experiments with settled cyprids and adults. Mortality rate, survival limits - time-temperature curves.

White, F. (1969) 17-4M205
Mar.Biol., 4(4):333-9
Distribution of Trypetesa lampas (Cirripedia, Acrothoracica) in various gastropod shells

England - Irish Sea. Crustacea. Ecology - settlement behaviour. Infection rate - correlations. Bathymetric distribution.

Rice, M.E. (1970) 17-4M206
Science, 167(3925):1618-20
Asexual reproduction in a sipunculan worm

USA - Gulf of Mexico. Caribbean Sea. Aspidosiphon. Experimental morphology.

Foster, B.A. & J.A. Nott (1969) 17-4M207
Mar.Biol., 4(4):340-4
Sensory structures in the opercula of the barnacle Elminius modestus

England - Irish Sea. Crustacea Cirripedia. Opercular tissue - morphology, histology.

Gessner, F. (1969) 17-4M208
Mar.Biol., 4(4):349-51
Photosynthesis and ion loss in the brown algae Dictyopteris membranacea and Fucus virsoides

Adriatic Sea - Yugoslavia. Phaeophyceae. Experiments. Photosynthetic rate - effect of salinity.

Kerambrun, P. & K.H. Skezkielda (1969) 17-4M209
Mar.Biol., 4(4):352-6
Composition élémentaire (C,H,N) de Sphaeroma serratum et S. hookeri (Crustacea: Isopoda)
(Elementary composition (C,H,N) of Sphaeroma serratum and S. hookeri (Crustacea: Isopoda)). En

France - Mediterranean coast. Chemical composition - individuals of natural communities and laboratory cultures. Effect of food quality - intraspecific differences.

Cresp, J. (1970) 17-4M210
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(21):2547-9
Action des rayons X sur la morphogenèse des bourgeons du serpulide Salmacina incrustans (Clap.)
(X-ray action on the budding morphogenesis in the serpulid Salmacina incrustans (Clap.))

France. Annelida Polychaeta. Radiobiology - experiments.

Maissiat, J. (1970) 17-4M211
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(21):2573-4
Etude expérimentale du rôle de "l'organe Y" dans le déterminisme endocrine de la mue chez l'Isopode Oniscoide Porcellio dilatatus Brandt
(Experimental study on the role of "Y organ" in the endocrine determination of the moulting in the oniscoid isopod Porcellio dilatatus Brandt)

France. Crustacea. Endocrinology.

Rondelaud, D. & P. Juchault (1970) 17-4M212
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(21):2575-8
Contribution à l'étude du rôle de l'hormone androgène dans la spermatogenèse d'Helleria brevicornis Ebner et de Porcellio dilatatus Brandt (Crustacés Oniscoïdes)
(Contribution to the study of the role of androgenic hormone in the spermatogenesis of Helleria brevicornis Ebner and Porcellio dilatatus Brandt (Crustacea Oniscoidea))

France. Endocrinology - experiments.

Clark, R.C.,Jr. & M. Blumer (1967) 17-4M213
Limnol.Oceanogr., 12(1):79-87
Distribution of n-paraffins in marine organisms and sediment

USA - Atlantic coast. Benthic and pelagic algae - Fucus, Laminaria, Ascophyllum, Chondrus, Rhodymenia, Chaetomorpha. Planktonic algae. Mixed plankton. Recent sediments. Methods. Analytical data. Hydrocarbon distribution - interspecific variations, chemical differences - taxonomic value.
Issued also as: Contr.Woods Hole oceanogr. Instn, (1830).

Frankenberg, D., S.L. Coles & R.E. Johannes (1967) 17-4M214
Limnol.Oceanogr., 12(1):113-20
The potential trophic significance of Callianassa major fecal pellets

USA - Atlantic coast. Crustacea Decapoda. Laboratory and field experiments. Production of fecal material - daily rate. Chemical composition - organic carbon and nitrogen contents. Use as food by Invertebrata.

Theodor, J.L. (1970) 17-4M215
Nature,Lond., 227(5259):690-2
Distinction between "self" and "not-self" in lower invertebrates

France. Coelenterata - Gorgonacea. Histo-incompatibility, tissue recognition system - experiments. Histopathic and histotoxic effects.

Kenny, R. (1969) 17-4M216
Mar.Biol., 4(3):219-23
Temperature tolerance of the polychaete worms Diopatra cuprea and Clymenella torquata

USA - Atlantic coast. Experiments. Resistence to high temeprature - survival limits, seasonal variability, acclimatization. Relation to geographical distribution.

Hammen, C.S. (1969) 17-4M217
Mar.Biol., 4(3):233-8
Lactate and succinate oxidoreductases in marine invertebrates

USA - Atlantic coast. Porifera, Cnidaria, Ctenophora, Brachiopoda, Mollusca, Crustacea. Enzyme assays - analytical data. Interspecific variations.

Anderson, J.W. & G.C. Stephens (1969) 17-4M218
Mar.Biol., 4(3):243-9
Uptake of organic material by aquatic invertebrates. 4. Role of epiflora in apparent uptake of glycine by marine crustaceans

USA - Pacific coast. Crustacea - Limnoria, Corophium, Tigriopus, Artemia. Experiments.
Co 10-11975.

Woodhead, P.M.J. & J.N. Weber (1969) 17-4M219
Mar.Biol., 4(3):250-4
Coral genera of New Caledonia

ISEW. Coelenterata. Underwater exploration. Taxonomic survey, new generic records.

Budd, J.A. (1969) 17-4M220
Mar.Biol., 4(3):257-66
Catabolism of trimethylamine by a marine bacterium, Pseudomonas NCMB 1154

Scotland. Experiments - bacterial oxidation.

Fish, J.D. & G.S. Preece (1970) 17-4M221
Mar.Biol., 5(1):22-8
The ecophysiological complex of Bathyporeia pilosa and B. pelagica (Crustacea: Amphipoda). 1. Respiration rates

England - Irish Sea coast. Metabolism - experiments. Oxygen uptake - interspecific and seasonal variations. Environmental parameters - temperature. Statistical correlations.

White, F. (1970) 17-4M222
Mar.Biol., 5(1):29-34
The chromosomes of Trypetesa lampas (Cirripedia, Acrothoracica)

England - Irish Sea coast. Cytogenetics - mitosis and meiosis. Morphology of chromosomes. Methods.

Moskovits, G. & K. Foelsche (1970) 17-4M223
Mar.Biol., 5(1):57-61
Application of the fluorescent antibody technique to the identification of marine pseudomonads: A preliminary study

USA. Bacteria. Culture experiments.

Emig, C.C. (1970) 17-4M224
Mar.Biol., 5(1):62-7
Remarks on the systematics of Phoronidea. 4. Notes on ecology, morphology and taxonomy of Phoronis mülleri

Sweden. Geographical distribution, habitat, environmental conditions. Hystology. Diagnosis of Phoronis mülleri.

Berland, B.R., D.J. Bonin & S.Y. Maestrini (1970) 17-4M225
Mar.Biol., 5(1):68-76
Study of bacteria associated with marine algae in culture. 3. Organic substrates supporting growth

France. Pseudomonas, Vibrio, Agarbacterium, Xanthomonas, Achromobacter, Flavobacterium, Micrococcus, Staphylococcus. Tests with different organic compounds.
Co 17-4M093.

Tsurnamal, M. (1969) 17-4M226
Cah.Biol.mar., 10(4):343-57
Four new species of Mediterranean Demospongiae and new data on Callites lacazii Schmidt. Fr

Israel. Porifera. Taxonomy - description. Distribution and habitat.

Bocquet, C., R. Lejuez & G. Teissier (1969) 17-4M227
Cah.Biol.mar., 10(4):405-27
Génétique des populations de Sphaeroma serratum (F.). 9. Etude des populations des îles anglo-normandes de Jersey et de Guernesey
(Genetics of populations of Sphaeroma serratum (F.). 9. Study of Jersey and Guernesey populations). En De

ANE - English Channel. Isopoda. Polychromatism - regional mutants. Statistical analysis - regional comparison, phenotypic frequency.
Co 12-4M064.

Hamond, R. (1969) 17-4M228
Cah.Biol.mar., 10(4):439-45
On the preferred foods of some autolytoids (Polychaeta, Syllidae).
Fr De

England - North Sea coast. Trophic ecology - field investigations and laboratory experiments. Food components - seasonal and interspecific variations. Feeding behaviour. Predator-prey relationships.

Harris, T. (1969) 17-4M229
Cah.Biol.mar., 10(4):447-50
Une nouvelle espèce de Zeppelina Vaillant 1890. (Annélide Polychète: Ctenodrilidae)
(A new species of Zeppelina Vaillant 1890. (Annelida Polychaeta: Ctenodrilidae)).
En De

France - Mediterranean coast. Taxonomy - description, diagnosis. Habitat.

Cubit, J. (1969) 17-4M230
Ecology, 50(1):118-23
Behavior and physical factors causing migration and aggregation of the sand crab Emerita analoga (Stimpson)

USA - Pacific coast. Crustacea, Hippidae. Experiments. Behavioural response - effect of water flow and tides. Explanatory hypothesis.

Fujisawa, H. & M. Murakami (1969) 17-4M231
Bull.Jap.Soc.scient.Fish., 35(7):677-84
(Studies on Xylan-decomposing bacteria in the marine environment. 3. Secondarily screening β-1,4'-Xylan-decomposing bacteria by the phenol-sulfuric acid method).
Ni En

Japan. Laboratory culture - strains from seaweeds. Rate of decomposition activity, enzymatic hydrolysis, biochemical characteristics.
Co 16-4M015.

Parvathy, K. (1970) 17-4M232
Mar.Biol., 5(2):108-12
Blood sugars in relation to chitin synthesis during cuticle formation in Emerita asiatica

India. Hippidae. Moult cycle - analytical data.

Wilce, R.T., E.E. Webber, & J.R. Sears (1970) 17-4M233
Mar.Biol., 5(2):119-35
Petroderma and Porterinema in the New World

USA - Atlantic coast. Phaeophyceae. Taxonomy - description. Distribution, habitat. Ecology. Growth and periodicity. Reproductive morphology.

Krüger, F. (1970) 17-4M234
Mar.Biol., 5(2):145-53
Untersuchungen über die Temperaturabhängigkeit des Sauerstoffverbrauchs von Crepidula fornicata (Mollusca: Prosobranchia)
(Investigations on the temperature dependence of the oxygen consumption of Crepidula fornicata (Mollusca: Prosobranchia)).
En

Germany, Federal Republic - North Sea. Gastropoda. Metabolism - Experiments.

Vroman, M. (1968) 17-4M235
Naturwet.Stud.Suriname ned.Antilles, 52:120 p.
The marine algal vegetation of St. Martin, St. Eustatius and Saba (Netherlands Antilles)

ASW. Chlorophyceae, Phaeophyceae, Rhodophyceae. Taxonomy. Distribution - habitat. Ecology - zonation, communities.

Clark, E.D. & D.J. Kimeldorf (1970) 17-4M236
Nature,Lond., 227(5260):856-7
Tentacle responses of the sea anemone Anthopleura xanthogrammica to ultraviolet and visible radiations

USA - INE. Coelenterata. Radiobiology - experiments.

Rowe, G.T. & R.J. Menzies (1969) 17-4M237
Deep-Sea Res., 16(5):531-7
Zonation of large benthic invertebrates in the deep-sea off the Carolinas

USA - ANW. Crustacea, Echinodermata, Coelenterata. Ecology, epibenthic communities - distribution of species, individual number. Environmental conditions, food and feeding.

Humes, A.G. & Ju-Shey Ho (1969) 17-4M238
Crustaceana, 17(2):113-30
Harpacticoid copepods of the genera Porcellidium and Paraidya associated with hermit crabs in Madagascar and Mauritius Fr

ISW. Copepoda. Taxonomy - morphological description.

Fagetti, E. (1969) 17-4M239
Crustaceana, 17(2):131-40
The larval development of the spider crab Libidoclaea granaria H. Milne Edwards & Lucas under laboratory conditions (Decapoda Brachyura; Majidae, Pisinae). Es

Chile - ISE. Zoeal and megalopa stages - morphological description. Duration of development - effect of temperature.

Bruce, A.J. (1969) 17-4M240
Crustaceana, 17(2):141-50
Notes on some Indo-Pacific Pontoniinae. 13. PROPONTONIA pellucida gen.nov., sp.nov., a new pontoniid shrimp from the Amirante Islands. Fr

ISW. Crustacea Decapoda. Taxonomy - morphological description. Hosts, commensalism.
CR 12-3M025.

Snyder, N. & H. Snyder (1970) 17-4M241
Science, 168(3928):276-8
Alarm response of Diadema antillarum

USA - Atlantic coast. Echinodermata. Experiments - response to predators.

Kreger, D.R. (1970) 17-4M242
Nature,Lond., 227(5253):81-2
Polyuronides as structural components of cell walls of fungi and green algae

Netherlands. Algae - Ulva, Enteromorpha, Spongomorpha. Biochemistry.

Schopf, T.J.M. & J.R. Allan (1970) 17-4M243
Science, 169(3942):280-2
Phylum Ectoprocta, order Cheilostomata: Microprobe analysis of calcium, magnesium, strontium, and phosphorus in skeletons

USA. Flustra, Cryptosula, Schizoporella, Parasmittia. Mineralogic composition.

Snodderly, D.M.,Jr. & R.B. Barlow,Jr. (1970) 17-4M244
Nature,Lond., 227(5255):284-6
Projection of the lateral eye of Limulus to the brain

USA - Atlantic coast. Xiphosura. Visual mechanisms. Optical nerve, ommatidia.

Saidova, Kh.M. (1970) 17-4M245
Dokl.Akad.Nauk SSSR, 192(5):1145-8
Raionirovanie dna Tikhogo okeana po bentosnym foraminiferam
(Bottom of the Pacific, divided into areas according to benthos foraminifers present)

I. PS. Geographic distribution.

Heegaard, P. (1969) 17-4M246
Crustaceana, 17(2):151-8
The first larval stage of Chlorotocus grassicornis (Decapoda, Pandalidae). Fr

Italy - Tyrrhenian Sea. Mysis stage - development, morphological description.

Fresi, E. & U. Schiecke (1969) 17-4M247
Crustaceana, 17(2):159-70
Two new desmosomatids from the Gulf of Naples: Desmosoma serratum n.sp. and Desmosoma thoracicum n.sp. (Isopoda, Parasellidae). De

Italy - Tyrrhenian Sea. Taxonomy - morphological description. Habitat.

Bruce, A.J. (1969) 17-4M248
Crustaceana, 17(2):171-86
Notes on some Indo-Pacific Pontoniinae. 14. Observations on Paratypton siebenrocki Balss. Fr

ISW, ISEW. Crustacea Decapoda. Taxonomy - morphological description. Biological data - behaviour, hosts, commensalism.
Co 17-4M240.

Beach, N.W. (1969) 17-4M249
Crustaceana, 17(2):187-99
The oyster crab, Pinnotheres ostreum Say, in the vicinity of Beaufort, North Carolina. De

USA - ANW. Pinnotheridae. Experiments and field observations. Larval development - effect of salinity variation, mortality. Molting, growth. Relative abundance. Spawning period. Ecological distribution and associations. Intensity infection on oysters.

Wear, R.G. (1970) 17-4M250
Crustaceana, 18(1):1-12
Some larval stages of Petalomera wilsoni (Fulton & Grant, 1902)(Decapoda, Dromiidae). Fr

New Zealand - ISEW. Number of stages, development - morphological description, morphometric data. Phylogenetic significance.

Johnson, M.W. (1970) 17-4M251
Crustaceana, 18(1):13-20
On the phyllosoma larvae of the genus Scyllarides Gill (Decapoda, Scyllaridae). De

ISE - Gulf of California, Galapagos Islands. Taxonomy, morphological description, occurrence.

Bruce, A.J. (1970) 17-4M252
Crustaceana, 18(1):37-48
Notes on some Indo-Pacific Pontoniinae. 15. HAMOPONTONIA corallicola gen.nov., sp.nov., a new pontoniid shrimp from Hong Kong. Fr

ISEW. Taxonomy. Generic and specific diagnosis. Commensalism, host.
Co 17-4M248.

Filho, J.F. (1970) 17-4M253
Crustaceana, 18(1):55-9
On the occurrence of Enoplometopus antillensis Lütken, 1865 (Decapoda, Nephropidae) on the Brazilian coast. Fr

ASW. Taxonomy - description, occurrence.

Gore, R.H. (1970) 17-4M254
Crustaceana, 18(1):75-89
Petrolisthes armatus: A redescription of larval development under laboratory conditions (Decapoda, Porcellanidae). De

USA - ASW. Zoea, megalopa - morphological description. Rearing experiments - growth, survival effect of environmental temperature.
Issued also as: Contr.Inst.mar.Sci.Univ. Miami, (1122).

Kensley, B. (1970) 17-4M255
Crustaceana, 18(2):167-72
A new species of Caligus from South West Africa (Copepoda, Caligidae). De

PSW. Taxonomy - description. Ecological distribution.

Hamond, R. (1970) 17-4M256
Crustaceana, 18(2):209-17
On harpacticid copepod of the genus Orthopsyllus Brady & Robertson from West Runton, Norfolk, England. De

England - ANE. Copepoda. Taxonomy.

Blumstein, R. (1970) 17-4M257
Crustacea, 18(2):218-24
New stomatopod crustaceans from the Gulf of Tonkin, South China Sea. Fr

ISEW. Anchisquilla, Clorida, Squilloides. Taxonomy - new species, description.

Gosselck, F. (1969) 17-4M258
Fischereiforsch., 7(2):29-42
Untersuchungen am Benthos des patagonischen Schelfgebietes
(Investigations on benthos of the Patagonian shelf)

PSW. Zoobenthos, Invertebrata. Latitudinal and bathymetric distribution, biomass, communities.

Evans, J.W. (1970) 17-4M259
J.Fish.Res.Bd Can., 27(1):201-3
Marine borer activity in test boards operated in the Newfoundland area during 1967-68

Canada - ANW. Teredinidae, Limnoridae. Interspecific evaluation of damage intensity.

McKnight, D.G. (1969) 17-4M260
N.Z.Jl mar.freshwat.Res., 3(3):409-44
Infaunal benthic communities of the New Zealand continental shelf

PSE. Annelidae Polychaeta, Mollusca, Crustacea, Echinodermata. Ecology. Substrata, species composition - percentages. Geographic distribution, bathymetric range. List of stations.

Beu, A.G. (1969) 17-4M261
N.Z.Jl mar.freshwat.Res., 3(3):445-52
The gastropod genus Thalassocyon Barnard, 1960

New Zealand, Kermadec Islands - ISEW. Ficidae. Taxonomy - description, distribution.

Gordon, D.P. (1969) 17-4M262
N.Z.Jl mar.freshwat.Res., 3(3):466-71
A platyctenean ctenophore from New Zealand

North Island - PSE, ISEW. Coeloplana willey. Taxonomy - description, distribution. Behaviour - observations in laboratory.

Trench, R.K. (1970) 17-4M263
Nature,Lond., 227(5263):1155-6
Synthesis of a mucous cuticle by a zoanthid

USA, Mexico - ISE. Coelenterata, Zoantharia. Photosynthetic products, utilization by host. Laboratory experiments.

Lewis, J.B. (1970) 17-4M264
Nature,Lond., 227(5263):1158-9
Spatial distribution and pattern of some Atlantic reef corals

Barbados Island - ASW. Coelenterata, Favia, Porites, Agaricia. Non-random distribution of species - ecological observations.

Turpaeva, E.P. (1969) 17-4M265
Dokl.biol.Sci., 189(1-6):808-10
Symphysiological relations in an oligomictic marine fouling biocoenosis

En 17-4M065.

Blake, J.A. (1969) 17-4M266
Ophelia, 7(1):1-63
Reproduction and larval development of Polydora from northern New England (Polychaeta: Spionidae)

USA - ANW. Annelida. Rearing experiments, field observations. Morphology of stages - key to pelagic larvae. Growth rate - effect of temperature. Seasonal occurrence in plankton. Metamorphosis - juvenile stage. Breeding season.

Jensen, M. (1969) 17-4M267
Ophelia, 7(1):65-78
Breeding and growth of Psammechinus miliaris (Gmelin)

Denmark, Norway - ANE. Echinodermata. Gonads - stages, development. Spawning and breading season. Larval settling, pigmentation. Juveniles - growth rate, feeding. Laboratory experiments - test growth.

Kristensen, J.H. (1969) 17-4M268
Ophelia, 7(1):101-12
Irrigation in the sipunculid Phascolion strombi (Mont.)

Sweden. Sipunculoidea. Physiology, experiments.

Webb, M. (1969) 17-4M269
Sarsia, (38):1-8
An evolutionary concept of some sessile and tubicolous animals

General - Entoprocta, Ectoprocta, Phoronoidea, Polychaeta, Sipuncoloidea, Pogonophora, Hemichordata. Feeding mechanisms, waste elimination, tentacles development.

Webb, M. (1969) 17-4M270
Sarsia, (38):9-24
Regionation and terminology of the pogonophoran body

General - Pogonophora. Segmental organization - adult, larva.

Bunt, J.S. et al. (1970) 17-4M271
Nature,Lond., 227(5263):1163-4
Assay of algal nitrogen fixation in the marine subtropics by acetylene reduction

USA - ASW. Myxophyceae. Physiology.

Trono, G.C.,Jr. (1969) 17-4M272
Micronesica, 5(1):25-119
The marine benthic algae of the Caroline Islands, 2. Phaeophyta and Rhodophyta

ISEW. Phaeophyceae, Rhodophyceae. Taxonomy - description, distribution, key to species.
CR 15-4M187.

Gilbert, W.J. & M.S. Doty (1969) 17-4M273
Micronesica, 5(1):121-30
Some additional records of Philippine marine Chlorophyta

ISEW. Chlorophyceae. Taxonomy - description, distribution.

Straughan, D. (1969) 17-4M274
Micronesica, 5(1):151-3
Spirorbinae (Annelida: Polychaeta) from Eniwetok, Marshall Islands

ISEW. Taxonomy - description, distribution, habitat.

Pearse, J.S. & S.W. Arch (1969) 17-4M275
Micronesica, 5(1):165-71
The aggregation behavior of Diadema (Echinodermata, Echinoidea)

ISEW. Ecology - social behaviour - field observations. Adaptive significance.

Stripp, K. (1969) 17-4M276
Veröff.Inst.Meeresforsch.Bremerh., 12(2): 65-94
Jahreszeitliche Fluktuationen von Makrofauna und Meiofauna in der Helgoländer Bucht
(Seasonal fluctuations of macrofauna and meiofauna in Helgoland Bight). En

Germany - Federal Republic. North Sea - ANE. Mollusca. Copepoda, Ostracoda, Annelida Polychaeta, Nematoda, Gastrotricha, Echinodermata. Ecology. Distribution, biomass, relation to sediment quality and organic matter content.

Geddes, D.C. (1969) 17-4M277
Sarsia, (39):1-15
Marine biological investigations in the Bahamas. 9. Harpacticoid copepods belonging to the family Thalestridae Sars

ASW. Copepoda. Taxonomy - morphological description, habitat.
CR 15-3M156.

Brattegard, T. (1969) 17-4M278
Sarsia, (39):17-106
Marine biological investigations in the Bahamas. 10. Mysidacea from shallow water in the Bahamas and southern Florida. Part 1

ASW. Taxonomy - AMATHIMYSIS, PARVIMYSIS. Morphological description, distribution, habitat. Key to species.
Co 17-4M277.

Wilson, D.P. (1970) 17-4M279
J.mar.biol.Ass.U.K., 50(1):33-52
The larvae of Sabellaria spinulosa and their settlement behaviour

UK - England, ANE. Annelida Polychaeta. Ecology. Fertilization and rearing experiments. Feeding, metamorphosis duration, survival. Settlement conditions, attractiveness of different material - natural and artificial tubes, scallop shells.

Chapman, D.M. (1970) 17-4M280
J.mar.biol.Ass.U.K., 50(1):107-11
Further observations on podocyst formation

Sweden - ANE. Aurelia aurita. Scyphistoma stage - morphology, histology.

Stripp, K. (1969) 17-4M281
Veröff.Inst.Meeresforsch.Bremerh., 12(2): 95-142
Die Assoziationen des Benthos in der Helgoländer Bucht
(Macrofauna associations of the benthos in Helgoland Bight). En

Germany - Federal Republic. North Sea - ANE. Annelida, Nemertinea, Mollusca, Crustacea, Coelenterata, Phoronidea, Amphioxidae, Ammoditydae. Ecological regions - sediments. Species distribution, communities, biomass. Influence of pollution.

Stripp, K. (1969) 17-4M282
Veröff.Inst.Meeresforsch.Bremerh., 12(2): 143-8
Das Verhältnis von Makrofauna und Meiofauna in den Sedimenten der Helgoländer Bucht
(The quantitative relation between macrofauna and meiofauna in sediments of Helgoland Bight). En

Germany - Federal Republic. North Sea - ANE. Ecology. Communities, biomass distribution - regional differences.

Stripp, K. & S.A. Gerlach (1969) 17-4M283
Veröff.Inst.Meeresforsch.Bremerh., 12(2): 149-56
Die Bodenfauna im Verklappungsgebiet von Industrieabwässern nordwestlich von Helgoland
(Bottom fauna in a sea area north west of Helgoland, selected for industrial waste disposal). En

Germany - Federal Republic. North Sea, ANE. Ecology. Communities, biomass distribution - regional differences.

Gerlach, S.A. (1969) 17-4M284
Veröff.Inst.Meeresforsch.Bremerh., 12(2): 161-8
Cateria submersa sp.n., ein cryptorhager Kinorhynch aus dem sublitoralen Mesopsammal der Nordsee
(Cateria submersa sp. n., a cryptorhage Kinorhyncha from sublittoral mesopsammon of the North Sea). En

Germany - Federal Republic. ANE.
Taxonomy - morphological description.
Ecological distribution, community.

Longbottom, M.R. (1970) 17-4M285
J.mar.biol.Ass.U.K., 50(1):121-8
Distribution of the digestive enzymes in the gut of Arenicola marina

UK - England, North Sea - ANE. Annelida Polychaeta. Biochemistry - lipases, carbohydrases.

Warwick, R.M. & J.B. Buchanan (1970) 17-4M286
J.mar.biol.Ass.U.K., 50(1):129-46
The meiofauna off the coast of Northumberland. 1. The structure of the nematode population

UK - England, North Sea - ANE. Ecology, communities. Substratum - granulometry. Species - composition, distribution, abundance, frequency - statistical analysis. Faunal diversity.

Lasker, R., J.B.J. Wells & A.D. McIntyre (1970) 17-4M287
J.mar.biol.Ass.U.K., 50(1):147-60
Growth, reproduction, respiration and carbon utilization of the sand-dwelling harpacticoid copepod, Asellopsis intermedia

UK - Scotland, North Sea - ANE. Copepoda. Ecology, biocnergetics. Habitat, distribution, density, standing crop. Eggs production, development, moulting, longevity. Length and weight relationships. Metabolism - oxygen consumption, carbon incorporation.

Gooday, G.W. (1970) 17-4M288
J.mar.biol.Ass.U.K., 50(1):199-208
A physiological comparison of the symbiotic alga Platymonas convolutae and its free-living relatives

UK - England. Chlorophyceae. Culture experiments - metabolism. Carbohydrates uptake, organic nitrogen utilization, metabolites excretion. Cell growth.

Stebbing, A.R.D. (1970) 17-4M289
J.mar.biol.Ass.U.K., 50(1):209-21
The status and ecology of Rhabdopleura compacta (Hemichordata) from Plymouth

UK - England, AN. Cephalodiscida.
Taxonomy - morphological description, geographical distribution. Ecology - habitat, community, colony development.

Ritz, D.A. & D.J. Crisp (1970) 17-4M290
J.mar.biol.Ass.U.K., 50(1):223-40
Seasonal changes in feeding rate in Balanus balanoides

UK - Wales, ANE. Balanidae. Aquaria experiments - biogenetics. Period of feeding activity, assimilation rate, energy flow. Effect of environmental factors - temperature, tidal level. Statistical analysis.

Chia Fu-Shiang & M.A. Rostron (1970) 17-4M291
J.mar.biol.Ass.U.K., 50(1):253-64
Some aspects of the reproductive biology of Actinia equina (Cnidaria: Anthozoa)

UK - England, ANE. Gametogenesis. Larval development, metamorphosis. Annual breeding cycles. Population differences.

Grahame, J. (1969) 17-4M292
Bull.mar.Sci., 19(4):868-79
The biology of Berthelinia caribbea Edmunds. Es

Jamaica - ASW. Gastropoda. Laboratory experiments, field observations. Habitat. Salinity tolerance - survival. Feeding. Reproduction, development. Growth. Defensive secretion.

D'Asaro, C.N. (1969) 17-4M293
Bull.mar.Sci., 19(4):905-10
The spawn of the emperor helmet shell, Cassis madagascarensis Lamarck, from South Florida. Es

USA - ASW. Gastropoda. Egg mass, capsules, embryos number.
Issued also as: Contr.Inst.mar.atmos.Sci. Univ.Miami, (1099).

McNulty, J.K. & N.N. López (1969) 17-4M294
Bull.mar.Sci., 19(4):945-54
Year-round production of ripe gametes by benthic polychaetes in Biscayne Bay, Florida. Es

USA - ASW. Lumbrineris, Leanira, Owenia, Chaetopterus, Pista, Terebellides. Maturity stages, annual cycle. Recruitment of young. Ecological distribution, biomass.
Issued also as: Contr.Inst.mar.atmos.Sci. Univ.Miami, (1102).

Ferrero, L. (1968) 17-4M295
Boll.Pesca Piscic.Idrobiol., 23(2):163-70
Parapandalus narval (Fabricius) in una grotta dell'isola di Giannutri - Arcipelago toscano
(Finding of Parapandalus narval (Fabricius) in a grotto of Giannutri Island - Tuscan Arcipelago). It En Fr

Italy - Western Mediterranean Sea. Pandalidae. Occurrence, morphological description.

Champalbert, G. & C. Macquart-Moulin (1970) 17-4M296
Cah.Biol.mar., 11(1):1-29
Les Péracarides de l'hyponeuston nocturne du golfe de Marseille
(Peracarida in the night hyponeuston of the Gulf of Marseilles). En De

France - Western Mediterranean coast. Mysidacea, Cumacea, Isopoda, Amphipoda - benthoplanktic species. Ecology, behaviour - vertical distribution, night migrations, abundance.

Bruslé, J. (1970) 17-4M297
Cah.Biol.mar., 11(1):35-42
Les potentialités germinales intragonadiques d'Asterina gibbosa P.
(Intergonadic germinal potentialities in Asterina gibbosa P.). En De

France. Echinodermata. Gonads, ovogonial and spermatogonial stock - cytology, morphogenesis.

Sacchi, C.F. (1970) 17-4M298
Cah.Biol.mar., 11(1):43-56
Les épibiontes animaux de Littorina obtusata (L.) et de L. mariae Sacchi et Rast. (Gastropoda, Prosobranchia)
(The epibiotic fauna of Littorina obtusata (L.) and L. mariae Sacchi et Rast. (Gastropoda, Prosobranchia)). Es It

Atlantic Europe - ANE, ASE. Ecology. Species composition. Geographical and bathymetric distribution. Behaviour, settlement and abundance. Compatibility, ecological valence.

Harmelin, J.G. (1970) 17-4M299
Cah.Biol.mar., 11(1):77-98
Les Cribrilaria (Bryozoaires Chilostomes) de Méditerranée: Systématique et écologie
(The Cribrilaria (Bryozoa Cheilostomata) of the Mediterranean Sea. Taxonomy and ecology). En De

Key to species, morphological description, geographical distribution, habitat.

Chandrasekhara Rao, G. (1970) 17-4M300
Cah.Biol.mar., 11(1):109-20
Three new interstitial gastrotrichs from Andhra coast, India. Fr De

India - ISW. Gastrotricha Macrodasyoidea. Taxonomy - morphological description, diagnosis. Ecology.

Riemann-Zürneck, K. (1969) 17-4M301
Veröff.Inst.Meeresforsch.Bremerh., 12(2): 169-230
Sagartia troglodytes (Anthozoa) Biologie und Morphologie einer schlickbewohnenden Aktinie
(Life history and morphology of the sediment-burrowing actinian Sagartia troglodytes (Anthozoa)). En

Germany, Federal Republic. North Sea - ANE. Coelenterata. Ecological distribution, community, settlement. Taxonomy. Morphology, histology. Reproduction, development - pelagic stages. Feeding. Movements. Evolution.

Volkmann-Rocco, B. (1969) 17-4M302
Archno Oceanogr.Limnol., 16(2):117-28
Tisbe pontina n.sp., a harpacticoid copepod from the Island Ponza. It

Italy - Western Mediterranean. Copepoda. Taxonomy - morphological description, diagnosis.

Dalens, H. (1970) 17-4M303
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(7): 678-9
Sur une disposition particulière des voies génitales femelles chez l'Isopode Chaetophiloscia hastata Verhoeff (Oniscoidea, Oniscidae)
(On a particular disposition of the female genital conducts in the isopod Chaetophiloscia hastata Verhoeff (Oniscoidea, Oniscidae))

France. Morphological modifications - relation to postembryonic development.

Kerambrun, P. (1970) 17-4M304
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(4): 438-41
Mise en évidence des estérases après électrophorèse sur gel de polyacrylamide chez Idotea baltica, Ligia italica, Sphaeroma serratum, Sphaeroma hookeri et Sphaeroma ghigii (Crustacés, Isopodes)
(Detection of enterases after electrophoresis on polyscrylamid gel in Idotea baltica, Ligia italica, Sphaeroma serratum, Sphaeroma hookeri and Sphaeroma ghigii (Crustacea, Isopoda))

France. Biochemistry, proteins - interspecific variabilities.

Montadert, L. et al. (1970) 17-4M305
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(10): 812-5
De l'âge tertiaire de la série salifère responsable des structures diapiriques en Méditerranée Occidentale (nord-est des Baléares)
(On the tertiary age of the saliferous series responsible for the diapiric structures in the Western Mediterranean Sea (northeast of Balearic Islands))

France. ASE. Geophysics, geological morphology - seismic profiles.

Inagaki, H. & J. Berreur-Bonnenfant (1970) 17-4M306
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(2): 207-10
Croissance et sénescence chez un Crustacé Isopode Ligia oceanica (L.)
(Growth and senescence of Ligia oceanica (L.), Crustacea, Isopoda)

France - ANE. Experiments. Growth of appendix masculina - biometrical data.

Malo, N. & P. Juchault (1970) 17-4M307
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(2): 230-2
Contribution à l'étude des variations ultrastructurales de la glande androgène des Oniscoïdes supérieurs (Crustacés Isopodes), à la suite de la décérébration
(Contribution to the study of the ultrastructural variations of the androgenic gland in the higher oniscoids (Crustacea Isopoda) after protocerebron ablation)

France. Endocrinology - experiments.

Floc'h, J.-Y. & M. Penot (1970) 17-4M308
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(3): 268-91
Mise en évidence d'une répartition préférentielle de divers cations le long du thalle des Laminaires
(Evidence of a preferential distribution of different cations along the thallus of Laminariaceae)

France - ASE. Laminaria, Saccorhiza, Analytical data on K, Na, Mg and Ca. Relation to age of algal tissues.

Cabioch, J. (1970) 17-4M309
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(3): 296-9
Sur l'importance des phénomènes cytologiques pour la systématique et la phylogénie des Corallinacées (Rhodophycées, Cryptonémiales)
(On the importance of the cytological phenomenon for taxonomy and phylogeny of Corallinaceae (Rhodophyceae, Cryptonemiales))

France - ASE. Cytology - interspecific differences.

Blanc, F. & C.-F. Boudouresque (1970) 17-4M310
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(5): 493-6
Signification des peuplements Précoralligènes de Méditerranée par l'analyse factorielle en facteurs principaux
(Significance of the precoraligenic settlement in the Mediterranean Sea by means of multiple factors analysis)

Western Mediterranean. Ecology. Phytobiocoenatic survey - methods, sampling, statistical analysis.

Croisille, Y., J.-J. Meusy & H. Charniaux-Cotton (1970) 17-4M311
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(5): 527-9
Etude immunochimique chez différents Crustacés supérieurs de la spécificité de la "fraction protéique femelle" de l'hémolymphe
(Immunochemical study on the specificity of the "female protein fraction" of the haemolymph in different higher crustaceans)

France. Carcinus, Macropipus, Orchestia, Talitrus. Haematology.

Usov, A.I., M.D. Martynova & N.K. Kochetkov (1970) 17-4M312
Dokl.Akad.Nauk SSSR, 194(2):455-7
Obnaruzhenie agarazy v molliuskakh roda Littorina
(Detection of agarase in molluscs of Littorina genus)

USSR - INW. Gastropoda. Biochemistry.

Burkovskii, I.V. (1969) 17-4M313
Okeanologiia, 9(5):874-80
Kolichestvennye dannye o raspredelenii psammofil'nykh infuzorii po gruntam i gorizontam litorali i sublitorali Velikoi Salmy (Beloe more, Kandalakshskii zaliv)
(Quantitative data on the distribution of psammophilic infusorians according to depth and the type of bottom sediment in the inter-tidal and sublittoral zones of Velikaya Salma (White Sea, Kandalaksha Bay)). En

USSR - ANE. Euciliata. Ecology. Species distribution, biomass, trophic significance in food chain.

Neiman, A.A. (1969) 17-4M314
Okeanologiia, 9(6):1071-7
Nekotorye dannye o bentose shel'fov severnoi chasti Indiiskogo okeana
(Some data on the bottom fauna of the northern Indian Ocean shelves). En

ISW, ISEW. Mollusca, Crustacea, Polychaeta, Echinodermata. Biomass determinations - regional and bathimetric variations, relation to oxygen content. Productivity. Biogeography.

Lukshenas, Iu.K. (1969) 17-4M315
Okeanologiia, 9(6):1078-86
Biotsenozy i troficheskie gruppirovki donnykh bespozvonochnykh iuzhnoi chasti Baltiiskogo moria
(Biocoenoses of bottom invertebrates of the southern Baltic Sea and their trophic groups). En

USSR. Mollusca, Crustacea, Polychaeta. Trophic relationships, biomass determinations.

Soldatova, I.N. et al. (1969) 17-4M316
Okeanologiia, 9(6):1087-94
O transformatsii energii pishchi morskimi rakoobraznymi
(On the transformation of the energy of food in marine crustaceans). En

USSR - Black Sea, Azov Sea. Idothea, Pontogammarus, Rhitropanopeus. Bioenergetics - experiments, food utilization.

Hill, R.B. (1970) 17-4M317
Comp.Biochem.Physiol., 33(2):249-58
Effects of postulated neurohumoral transmitters of the isolated radula protractor of Busycon canaliculatum

USA - Atlantic coast. Gastropoda. Physiology.

Alexander, C.G. (1970) 17-4M318
Comp.Biochem.Physiol., 33(2):323-32
Studies on the nervous system of an isopod crustacean, Ligia oceanica

England - Irish Sea coast. Crustacea. Isopoda. Anatomy, physiology.

Laverack, M.S. (1970) 17-4M319
Comp.Biochem.Physiol., 33(2):471-3
Responses of a receptor associated with the buccal mass of Aplysia dactylomela

Scotland. Gastropoda. Electrophysiology - mechanoreceptors, sensory.

Wildish, D.J. & N.J. Poole (1970) 17-4M320
Comp.Biochem.Physiol., 33(3):713-6
Cellulase activity in Orchestia gammarella (Pallas)

England - North Sea coast. Crustacea, Amphipoda. Biochemistry.

Kozlovskaya, E.P. & V.E. Vaskovsky (1970) 17-4M321
Comp.Biochem.Physiol., 34(1):137-42
A comparative study of proteinases of marine invertebrates

USSR. Annelida, Crustacea, Mollusca, Echinodermata, Tunicata. Biochemistry, enzymes - digestion.

Vaskovsky, V.E. et al. (1970) 17-4M322
Comp.Biochem.Physiol., 34(1):163-77
Glycolipids of marine invertebrates

USSR. Porifera, Coelenterata, Annelida, Crustacea, Mollusca, Brachiopoda, Echinodermata, Tunicata. Biochemistry, chromatography. Interspecific comparison, relation to evolution and taxonomy.

Jones, H.D. (1970) 17-4M323
Comp.Biochem.Physiol., 34(2):263-72
Hydrostatic pressures within the heart and pericardium of Patella vulgata L.

England. Gastropoda. Electrophysiology.

Rees, J., L.V. Davis & H.M. Lenhoff (1970) 17-4M324
Comp.Biochem.Physiol., 34(2):309-16
Paths and rates of food distribution in the colonial hydroid Pennaria

ISEW - Hawaii region. Coelenterata. Physiology - feeding experiments. Growth of hydroid.
Issued also as: Contr.Hawaii Inst.mar.Biol., (293).

Russell, G. & O.P. Morris (1970) 17-4M325
Nature,Lond., 228(5268):288-9
Copper tolerance in the marine fouling alga Ectocarpus siliculosus

England, Irish Sea - ANE. Phaeophyceae. Toxicity - unialgal culture experiments, antifouling control. Response of different populations.

Vine, P.J. (1970) 17-4M326
Nature,Lond., 228(5269):341-2
Field and laboratory observations of the crown-of-thorns starfish, Acanthaster planci. Densities of Acanthaster planci in the Pacific Ocean

ISEW. Echinodermata. Plague populations - distribution, spreading, infestation - abundance.

Barnes, D.J., R.W. Brauer & M.R. Jordan (1970) 17-4M327
Nature,Lond., 228(5269):342-4
Field and laboratory observations of the crown-of-thorns starfish, Acanthaster planci. Locomotory response of Acanthaster planci to various species of coral

ISEW. Echinodermata. Selective predation - experiments. Behaviour, physiological factors.

Brauer, R.W. & M.R. Jordan (1970) 17-4M328
Nature,Lond., 228(5269):344-6
Field and laboratory observations of the crown-of-thorns starfish, Acanthaster planci. Triggering of the stomach eversion reflex of Acanthaster planci by coral extracts

ISEW. Echinodermata. Feeding behaviour - experiments, response to various coral extracts.

Pearse, V.B. (1970) 17-4M329
Nature,London, 228(5269):383
Incorporation of metabolic $CO_2$ into coral skeleton

USA - INE. Fungia scutaria. Physiology, experiments. Skeletal carbonate - sources, calcification rates.

Paine, R.T. (1969) 17-4M330
Ecology, 50(6):950-61
The Pisaster-Tegula interaction: prey patches, predator food preference, and intertidal community structure

USA, Washington - INE. Gastropoda, Echinodermata. Ecology - biostatistics, trophic relationships.

Giesel, J.T. (1969) 17-4M331
Ecology, 50(6):1084-7
Factors influencing the growth and relative growth of Acmaea digitalis, a limpet

USA, Oregon - INE. Gastropoda. Growth on barnacles bed, Pollicipes - effect on length/height relationships, statistical analysis.

McRoy, C.P. & R.J. Barsdate (1970) 17-4M332
Limnol.Oceanogr., 15(1):6-13
Phosphate absorption in eelgrass

USA - INE. Zostera marina. Laboratory experiments under light and dark conditions, field studies. Phosphorus distribution in different parts of plant.

Fenchel, T. (1970) 17-4M333
Limnol.Oceanogr., 15(1):14-20
Studies on the decomposition of organic detritus derived from the turtle grass Thalassia testudinum

USA - ASW. Ecology, metabolism. Microbial communities of Bacteria, Bacillariophyceae, Mastigophora, Ciliata - activity on detrital particles of Hydrocharitaceae, oxygen consumption. Detritus feeders, respiration rate - Amphipoda.
Issued also as: Contr.Inst.mar.Sci.Univ. Miami, (1118).

Lebskii, V.K. (1970) 17-4M334
Dokl.Akad.Nauk SSSR, 190(6):1486-9
(Structure of the nervous system of Eulalia viridis (L.) (Polychaeta, Phyllodocidae)). Ru

USSR. Morphology.

Lebskii, V.K. (1970) 17-4M335
Dokl.biol.Sci., 190(1-6):153-6
Structure of the nervous system of Eulalia viridis (L.) (Polychaeta, Phyllodocidae)

En 17-4M334.

Edwards, P. (1969) 17-4M336
Contr.mar.Sci., 14:59-114
Field and cultural studies on the seasonal periodicity of growth and reproduction of selected Texas benthic marine algae

USA, Texas - ASW. Phaeophyceae, Rhodophyceae. Biology, physiology. Growth rate, reproduction - effect of light intensity, daylength and temperature - seasonal variations.

Coan, M.H. & J. Travis (1970) 17-4M337
Comp.Biochem.Physiol., 32(1):127-39
Comparative biochemistry of protease from a coelenterate

USA. Coelenterata - Renilla reniformis. Enzymes, digestion - trypsin, zymogen.

Sova, V.V., L.A. Elyakova & V.E. Vaskovsky (1970) 17-4M338
Comp.Biochem.Physiol., 32(3):459-64
The distribution of laminarinases in marine invertebrates

USSR - Japan Sea. Annelida, Crustacea, Mollusca, Echinodermata, Tunicata. Biochemistry.

Binyon, J. & B. Hasler (1970) 17-4M339
Comp.Biochem.Physiol., 32(4):747-53
Electrophysiology of the starfish radial nerve cord

England - English Channel. Asterias rubens.

Harris, R.R. (1970) 17-4M340
Comp.Biochem.Physiol., 32(4):763-73
Sodium uptake in the isopod Sphaeroma rugicauda Leach, during acclimatization to high and low salinities

England - English Channel. Crustacea Isopoda. Physiology. Osmoregulation - experiments.

Virkar, R.A. & K.L. Webb (1970) 17-4M341
Comp.Biochem.Physiol., 32(4):775-83
Free amino acid composition of the soft-shell clam Mya arenaria in relation to salinity of the medium

USA - Atlantic coast. Myacidae. Amino acids - glycine, alanine, ninhydrin positive substances. Salinity - osmo-regulation.
Issued also as: Contr.Va Inst.mar.Sci., (330).

Doezema, P. & J.H. Phillips,Jr. (1970) 17-4M342
Comp.Biochem.Physiol., 34(3):691-7
Glycogen storage and synthesis in the gut of the purple sea urchin, Strongylocentrotus purpuratus

USA - Pacific coast. Echinodermata. Biochemistry, experiments.

Horbund, H.M. & A. Freiberger (1970) 17-4M343
Ocean Engng, 1(6):631-4
Slime films and their role in marine fouling: A review

USA. Methods and techniques.

Houghton, D.R. (1970) 17-4M344
Underwat.Sci.Technol.J., 2(2):100-4
Marine anti-fouling

UK. Cirripedia, Hydrozoa, Ascidiacea, Algae. Prevention and control - new methods and techniques.

Humphreys, T. (1970) 17-4M345
Nature,Lond., 228(5272):685-6
Species specific aggregation of dissociated sponge cells

USA - ISE. Haliclona, Halichondria, Microciona. Rate of aggregation, kinetics. Experiments.

Hinegardner, R.T. (1969) 17-4M346
Biol.Bull.mar.biol.Lab.,Woods Hole,
137(3):465-75
Growth and development of the laboratory cultured sea urchin

USA. Arbacia, Lytechinus, Strongylocentrotus, Echinometra. Egg, larva and young stages - culture methods, growth conditions - water volume and quality, food, temperature. Description of stages - morphological changes, metamorphosis.

Muscatine, L. & E. Cernichiari 17-4M347
(1969)
Biol.Bull.mar.biol.Lab.,Woods Hole,
137(3):506-23
Assimilation of photosynthetic products of Zooxanthellae by a reef coral

USA, Hawaii - ISEW. Pocillopora damicornis, symbiotic algae - metabolism, experiments. Skeletal organic fraction, algal products - chemical composition. Issued also as: Contr.Hawaii Inst.mar.Biol., (328).

Schuetz, A.W. (1969) 17-4M348
Biol.Bull.mar.biol.Lab.,Woods Hole,
137(3):524-34
Induction of oocyte shedding and meiotic maturation in Pisaster ochraceus: kinetic aspects of radial nerve factor and ovarian factor induced changes

USA, Washington - INE. Echinodermata. Bioassays experiments.

Wyttenbach, C.R. (1969) 17-4M349
Biol.Bull.mar.biol.Lab.,Woods Hole,
137(3):547-56
Genetic variations in the mode of stolon growth in the hydroid, Campanularia flexuosa

USA. Coelenterata. Laboratory experiments.

Wiersma, C.A.G., F. Van der Mark 17-4M350
& L. Fiore (1970)
Comp.Biochem.Physiol., 34(4):833-40
On the firing patterns of the "movement" receptors of the elastic organs of the crab, Carcinus

Netherlands. Crustacea Decapoda. Electrophysiology - nerve activity.

Blatchford, J.G. (1970) 17-4M351
Comp.Biochem.Physiol., 34(4):911-5
Possible circulatory mechanism in an operculate cirripede

England. Balanus. Electrophysiology.

Neiman, A.A. (1969) 17-4M352
Trudy vses.nauchno-issled.Inst.morsk.ryb.
Khoz.Okeanogr., 65:223-32
Bentos zapadnokamchatskogo shel'fa
(Benthos of the West Kamchatka shelf)

USSR - INW. Mollusca, Crustacea, Echinodermata. Biocoenosis - predominant species. Biomass distribution - regional variations. Methods.

Zalesskaia, N.T. (1969) 17-4M353
Trudy vses.nauchno-issled.Inst.morsk.ryb.
Khoz.Okeanogr., 65:233-47
Raspredelenie donnoi fauny v iuzhnoi chasti zaliva Shelikhova (Okhotskoe more)
(Distribution of benthos in the South Shelikhov Bay (Okhotsk Sea))

USSR - INW. Mollusca, Crustacea, Echinodermata, Annelida Polychaeta, Coelenterata, Brachiopoda - list of species. Biocoenosis. Biomass distribution.

Tsalkina, A.V. (1969) 17-4M354
Trudy vses.nauchno-issled.Inst.morsk.ryb.
Khoz.Okeanogr., 65:248-57
K kharakteristike epifauny zapadno-Kamchatskogo shel'fa
(On characteristics of epifauna of the West Kamchatka shelf)

USSR - INW. Porifera, Coelenterata, Polychaeta, Bryozoa, Mollusca, Crustacea, Ascidiacea. Ecology - biocoenosis, list of species.

Barysheva, K.P. (1969) 17-4M355
Trudy vses.nauchno-issled.Inst.morsk.ryb.
Khoz.Okeanogr., 65:258-66
Kumovye raki zapadnoKamchatskogo shel'fa
(Cumacea of the West Kamchatka shelf)

USSR - INW. Crustacea. Geographic distribution of species. New records.

Neiman, A.A. (1969) 17-4M356
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:282-95
O raspredelenii troficheskikh gruppirovokh donnogo naseleniia na shel'fe v raznykh geograficheskikh zonakh (na primere Beringova i Vostochno-Kitaiskogo morei) (On the distribution of trophic groupings of benthos on the shelf in different geographical zones)

INW, INE - Bering Sea, ISEW - East China Sea. Crustacea, Mollusca, Polychaeta, Sipunculoidea, Bryozoa, Echinodermata, Ascidiacea. Biocoenosis, productivity - biomass distribution. Trophic inter-relationships.

Margulis, R.Ia. (1969) 17-4M357
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:296-7
K faune Ampeliscidae (Amphipoda, Gammaridae) Vostochno-Kitaiskogo moria (On the fauna of Ampeliscidae (Amphipoda, Gammaridae) in the East China Sea)

ISEW. Crustacea. Taxonomic record, distribution of species.

Colocoloff, M. & C. Colocoloff (1970) 17-4M358
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(20): 1794-7
Mise en évidence de conditions optimales d'utilisation des ultrasons pour la séparation des Diatomées benthiques des sables (Evidence of the optimal conditions for utilization of ultrasonics for the separation of benthic diatoms from the sand)

France. Bacillariophyceae. Methods and techniques.

Pettit, G.R. et al. (1970) 17-4M359
Nature,Lond., 227(5261):962
Antineoplastic components of marine animals

USA, Gulf of Mexico - ASW. Bryozoa, Coelenterata, Echinodermata, Mollusca, Tunicata, Pisces. Pharmacology, bioassay experiments.

Wise, S.W.,Jr. (1970) 17-4M360
Science, 169(3949):978-80
Scleractinian coral exoskeletons: Surface microarchitecture and attachment scar patterns

ISW, ISEW. Pocillopora, Pectinia.

Klein, L. & J.D. Currey (1970) 17-4M361
Science, 169(3951):1209-10
Echinoid skeleton: Absence of a collagenous matrix

USA. Strongylocentrotus. Biochemistry, enzymes - experimental data.

Dillery, D.G. & L.V. Knapp (1970) 17-4M362
Crustaceana, 18(3):233-40
Longshore movements of the sand crab, Emerita analoga (Decapoda, Hippidae). De

USA, California - ISE. Ecology, behaviour. Marking experiments - recoveries. Migrations - daily distance, aggregation.

Schiecke, U. & E. Fresi (1970) 17-4M363
Crustaceana, 18(3):241-50
A new interstitial asellote isopod from the island of Ischia (Bay of Naples), MICROJANIRA dentifrons n.g., n.sp. (Paraselloidea, Janiridae). De

Italy - Tyrrhenian Sea. Isopoda. Taxonomy, morphological description.

Murano, M. (1970) 17-4M364
Crustaceana, 18(3):251-68
A small collection of benthic Mysidacea from coastal waters in Suruga Bay, Japan. De

INW. Crustacea. Taxonomy, morphological description - key to species of genus.

Efford, I.E. (1970) 17-4M365
Crustaceana, 18(3):293-308
Recruitment to sedentary marine populations as exemplified by the sand crab, Emerita analoga (Decapoda, Hippidae). De

INE, ISE - Canada, USA and Mexico coasts. Crustacea. Larval stages - development time, mortality - effect of currents on larvae transport, hypothesis. Adult population - size structure, life span of male and female.

Oyama, S.N. & F.I. Kamemoto (1970) 17-4M366
Crustaceana, 18(3):309-11
Organ culture of crab ovaries. De

USA, Hawaii - ISEW. Portunidae, Thalamita crenata. Laboratory experiments, methods. Oocytes and interstitial cells development.

Bruce, A.J. (1970) 17-4M367
Crustaceana, 18(3):315-7
Occurrence of the shrimp Discias exul Kemp, 1920 (Decapoda, Natantia, Disciadidae) on the Great Barrier Reef, Australia

ISEW. Crustacea. Taxonomy, morphological description. Distribution, habitat.

Kinzelbach, R.K. (1970) 17-4M368
Crustaceana, 18(3):318-20
Neue Nachweise der Reiterkrabbe, Ocypode cursor (Linnaeus, 1758), in der Ägäis (Decapoda, Brachyura, Ocypodidae) (New records of Ocypode cursor (Linnaeus, 1758), in the Aegean Sea (Decapoda, Brachyura, Ocypodidae))

Eastern Mediterranean. Crustacea. Geographic distribution, spreading conditions.

Potts, G.W. (1970) 17-4M369
J.mar.biol.Ass.U.K., 50(2):269-92
The ecology of Onchidoris fusca (Nudibranchia)

UK - England - ANE. Gastropoda. Annual life cycle - spawning period, breeding, growth, seasonal migrations. Distribution, habitat, settlement. Predation and competition. Environment - temperature, salinity, ecological zonation, communities.

Stone, A.R. (1970) 17-4M370
J.mar.biol.Ass.U.K., 50(2):343-8
Seasonal variations of spicule size in Hymeniacidon perleve

UK, England. Porifera Noncalcarea. Chemistry - silicate concentration. Silicate metabolism - effect of water temperature.

Dales, R.P., C.P. Mangum & J.C. Tichy (1970) 17-4M371
J.mar.biol.Ass.U.K., 50(2):365-80
Effects of changes in oxygen and carbon dioxide concentrations on ventilation rhythms in onuphid polychaetes

England - ANE. Hyalinoecia. USA - ANW. Diopatra. Experimental physiology, respiration - relations to dissolved oxygen, temperature, salinity.

Thomas, N.W. (1970) 17-4M372
J.mar.biol.Ass.U.K., 50(2):429-38
Mucus-secreting cells from the alimentary canal of Ciona intestinalis

UK, England. Ascidiidae. Histochemistry of oesophagus, intestine and rectum - morphology of mucous cells - electron microscopy.

Boney, A.D. (1970) 17-4M373
J.mar.biol.Ass.U.K., 50(2):461-73
Toxicity studies with an oil-spill emulsifier and the green alga Prasinocladus marinus

UK, Wales. Chlorophyceae. Culture experiments. Cells development - tolerance limits - relation to temperature and salinity variations.

Fish, J.D. & G.S. Preece (1970) 17-4M374
J.mar.biol.Ass.U.K., 50(2):475-88
The annual reproductive patterns of Bathyporeia pilosa and Bathyporeia pelagica (Crustacea: Amphipoda)

UK, Wales - ANE. Ecological distribution, vertical zonation, abundance. Seasonal migrations. Reproductive cycle - different populations, biometric data. Feeding.

Takeuchi, I. (1970) 17-4M375
Bull.Hokkaido Fish.Res.Lab., (36):18-24
(On the newly improved dredge). Ni En

INW, Kamchatka Peninsula coast. Sampling of benthic marine organisms.

Godin, J. (1970) 17-4M376
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(19): 1669-71
Ultrastructure du pédicelle du corps en cerise chez Laurencia scoparia (Ultrastructure of the pedicel of the cherry body in Laurencia scoparia)

ASE - Senegal. Rhodophyceae. Electron microscopy.

Magne, F. (1970) 17-4M377
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(19): 1672-4
L'évolution du cycle de développement chez les Rhodophycées (Evolution of the development cycle in Rhodophyceae)

France. Evolution types.

Gordon, E. (1970) 17-4M378
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(17): 1498-500
MAZOYERA, nouveau genre de Céramiacées du sud de l'Australie (MAZOYERA, a new genus of the Ceramiaceae of South Australia)

PSE. Rhodophyceae. Taxonomy.

Saddler, H.D.W. (1970) 17-4M379
J.expl Bot., 21(68):605-16
Fluxes of sodium and potassium in Acetabularia mediterranea

UK. Chlorophyceae. Physiology.

Ardré, F. (1970) 17-4M380
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(17): 1501-3
Causes possibles des variations (de petite ou de grande amplitude) dans le temps, de la végétation marine
(Possible causes of variations in time (small and large sampltude) of the marine vetegation)

France - ASE. Phaeophyceae. Abundance cycles - correlation to sun spots.

Sivaprakasam, T.E. (1968) 17-4M381
J.mar.biol.Ass.India, 10(1):34-51
Amphipods of the genera Maera Leach and Elasmopus Costa from the east coast of India

ISW. Amphipoda. Taxonomy - morphological description, distribution.

Sarojini, R. & R. Nagabushanam (1968) 17-4M382
J.mar.biol.Ass.India, 10(1):71-7
Larval development of Diogenes bicristimanus in the laboratory

India - ISW. Diogenidae. Zoaea and glaucothoe stages - morphological description, environmental conditions.

Kumaraswamy Achari, G.P. (1968) 17-4M383
J.mar.biol.Ass.India, 10(1):99-106
Studies on new or little known polychaetes from Indian seas. 1. Trochochaeta watsoni (Fauvel) and Poecilochaetus serpens Allen

ISW. Taxonomy - description, distribution, habitat.

Höhnk, W. (1969) 17-4M384
Ber.dt.wiss.Kommn Meeresforsch., 20(2): 129-40
Über den pilzlichen Befall kalkiger Hartteile von Meerestieren
(On the fungal growth within the conchoidal fractures of the marine animals). En Fr Es

North Sea. Fungi - species occurrence, growth and effects on substrates.

Ferguson, J.C. (1970) 17-4M385
Biol.Bull.mar.biol.Lab.,Woods Hole, 138(1):14-25
An autoradiographic study of the translocation and utilization of amino acids by starfish

USA, Florida - ASW. Echinaster echinophorus. Histochemistry.

Manzi, J.J. (1970) 17-4M386
Biol.Bull.mar.biol.Lab.,Woods Hole, 138(1):35-46
Combined effects of salinity and temperature on the feeding, reproductive, and survival rates of Eupleura caudata (Say) and Urosalpinx cinerea (Say)(Prosobranchia: Muricidae)

USA, Connecticut - ANW. Experiments.

Hoyt, J.W. (1970) 17-4M387
Mar.Biol., 7(2):93-9
High molecular weight algal substances in the sea

ANE. INE. ISE. ASE. ASW. Chlorophyta, Bacillariophyta, Pyrrophyta, Rhodophyta, Phaeophyta. Phytoplankton. Extracts tested using friction - reduction test.

Fine, M.L. (1970) 17-4M388
Mar.Biol., 7(2):112-22
Faunal variation on pelagic Sargassum

ASW, ANW. Seasonal and geographical variations in species composition. Statistical analysis of diversity. Distribution.
Issued also as: Contr.Va Inst.mar.Sci. (351).

Sassaman, C. & C.P. Mangum (1970) 17-4M389
Mar.Biol., 7(2):123-30
Patterns of temperature adaptation in North American Atlantic coastal actinians

ANW. Actinia, Metridium senile, Haliplanella luciae, Diadumene leucolena.

Greene, R.W. (1970) 17-4M390
Mar.Biol., 7(2):138-42
Symbiosis in sacoglossan opisthobranchs: functional capacity of symbiotic chloroplasts

INE, ISEW. Elysia hedgpethi, Placobranchus ianthobapsus. Retention of chloroplasts during starvation.

Van Winkle, W. Jr., (1970) 17-4M391
Mar.Biol., 7(2):143-8
Effect of environmental factors on byssal thread formation

Modiolus demissus, Mytilus edulis.
Effect of prior exposure to air, mechanical agitation, low salinity, increased size, high temperatures and absence of calcium and/or magnesium.
Issued also as: Contr.Va Inst.mar.Sci. (352).

Lickey, M.E., R.L. Emigh & F.R. Randle (1970) 17-4M392
Mar.Biol., 7(2):149-52
A recirculating seawater aquarium system for inland laboratories

Aplysia, Hermissenda, Tritonia. Description of system for maintaining gastropods.

Franz, D.R. (1970) 17-4M393
Mar.Biol., 7(2):171-80
Zoogeography of northwest Atlantic opisthobranch molluscs

ANW. Cephalaspidea, Nudibranchia, Sacoglossa.
Issued also as: Contr.mar.Res.Lab.Univ.Conn. (66).

Stunkard, H.W. (1970) 17-4M394
Biol.Bull.mar.biol.Lab.,Woods Hole, 138(1):66-76
The marine cercariae of the Woods Hole Massachusetts region

USA, Massachusetts - ANW. Gastropoda and Pelecypoda. Occurrence of larval parasitic trematodes - list of species and hosts.

Palmer, D.S. & L.J. Albright (1970) 17-4M395
Limnol.Oceanogr., 15(3):343-7
Salinity effects on the maximum hydrostatic pressure for growth of the marine psychrophilic bacterium, Vibrio marinus

Gordon, C.M., R.A. Carr & R.E. Larson (1970) 17-4M396
Limnol.Oceanogr., 15(3):461-6
The influence of environmental factors on the sodium and manganese content of barnacle shells

ANW - Chesapeake Bay. Balanus eburneus. Balanus improvisus. Balanus sp. Effect of environmental salinity and manganese concentration.

Roe, P. (1970) 17-4M397
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 80-91
The nutrition of Paranemertes peregrina (Rhynchocoela: Hoplonemertea). 1. Studies on food and feeding behavior

INE. USA. Washington coast.

Gibson, R. (1970) 17-4M398
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 92-106
The nutrition of Paranemertes peregrina (Rhynchocoela: Hoplonemertea). 2. Observations on the structure of the gut and proboscis, site and sequence of digestion, and food reserves

INE. USA. Washington coast.
Co 17-4M397.

Heatfield, B.M. (1970) 17-4M399
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 151-63
Calcification in echinoderms: Effects of temperature and diamox on incorporation of calcium-45 in vitro by regenerating spines of Strongylocentrotus purpuratus

INE, USA. California coast.

Lacombe, D. (1970) 17-4M400
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 164-79
A comparative study of the cement glands in some balanid barnacles (Cirripedia, Balanidae)

Balanus nubilis, Balanus psittacus, Balanus eburneus, Balanus amphitrite, Balanus balanoides. Degree of development and differentiation related to phylogenetic position of the species.
FIRS:cp

Wilson, W.J. (1970) 17-4M401
Biol.Bull.mar.biol.Lab.,Woods Hole, 138(1):96-108
Osmoregulatory capabilities in isopods: Ligia occidentalis and Ligia pallasii

USA, California - ISE. Crustacea Isopoda. Experimental physiology - effects of salinity, temperature, size and sex.

Schulz, S. (1969) 17-4M402
Beitr.Meersk., (26):21-46
Das Makrobenthos der südlichen Beltsee (Mecklenburger Bucht und angrenzende Seegebiete)
(The macrobenthos in the Belt and southern Baltic Sea (Bay of Mecklenburg and adjacent regions))

Germany - Democratic Republic. Gastropoda, Pelecypoda, Cirripedia, Mysidacea, Cumacea, Isopoda, Amphipoda, Decapoda, Annelida Polychaeta, Echinodermata, Tunicata. Distribution, habitat, food, abundance.

Dix, T.G. (1970) 17-4M403
N.Z.Jl mar.freshwat.Res., 4(2):91-116
Biology of Evechinus chloroticus (Echinoidea: Echinometridae) from different localities. 1. General

PSE - New Zealand coast. Geographical variations in vertical distribution, spination and relative test thickness, feeding habits, types of covering material, burrowing habits.

Neall, V.E. (1970) 17-4M404
N.Z.Jl mar.freshwat.Res., 4(2):117-25
Notes on the ecology and paleoecology of Neothyris, an endemic New Zealand brachiopod

PSE. Population structure, synecology, distribution in relation to physical factors.

Dawson, E.W. (1970) 17-4M405
N.Z.Jl mar.freshwat.Res., 4(2):126-40
Faunal relationships betweeen the New Zealand Plateau and the New Zealand sector of Antarctica based on echinoderm distribution

PSE. Asteroidea. Ophiuroidea. Echinoidea. Holothuroidea.

Dawson, E.W. (1970) 17-4M406
N.Z.Jl mar.freshwat.Res., 4(2):227-8
Diagnosis of a new species of Neolithodes (Crustacea: Anomura: Lithodidae) from New Zealand (Note)

PSE. Neolithodes brodiei sp nov - description. Affinities with North Atlantic and South African forms.

Pringle, J.D. & A.P. Austin (1970) 17-4M407
J.expl mar.Biol.Ecol., 5(2):113-37
The mitotic index in selected red algae in situ. 2. A supralittoral species, Porphyra laceolata (Setchell & Hus.) G.M. Smith

INE - Canada, Victoria coast. Light intensity as controlling factor of nuclear division in vegetative cells.
Co 15-4M155.

Longbottom, M.R. (1970) 17-4M408
J.expl mar.Biol.Ecol., 5(2):138-57
The distribution of Arenicola marina (L.) with particular reference to the effects of particle size and organic matter of the sediments

ANE - England, Kent coast. Relationship to biomass.

Buchanan, J.B. & M.R. Longbottom (1970) 17-4M409
J.expl mar.Biol.Ecol., 5(2):158-69
The determination of organic matter in marine muds: The effect of the presence of coal and the routine determination of protein

ANE. Oxidation and Kjeldahl techniques unsuitable. New method described for determination of hydrolysable protein in marine muds.

Lange, R. (1970) 17-4M410
J.expl mar.Biol.Ecol., 5(2):170-9
Isosmotic intracellular regulation and euryhalinity in marine bivalves

ANE - Norway. Mytilus edulis, seasonal variation in carotenoid concentration, correlation with phytoplankton occurrence.

Manning, R.B. (1970) 17-4M411
Crustaceana, 19(2):157-61
Mithrax (Mithraculus) commensalis, a new West Indian spider crab (Decapoda, Majidae) commensal with a sea anemone. De

ASW. Description. Commensal with Stoichactis Habitat.

Masry, D. (1970) 17-4M412
Crustaceana, 19(2):200-4
Microcerberus remanei israelis new subspecies (Isopoda) from the Mediterranean shores of Israel. De

ASE.

Ceidigh, P.O. (1970) 17-4M413
Crustaceana, 19(2):205-6
The occurrence of Platysquilla eusebia (Risso, 1816) on the west coast of Ireland (Stomatopoda)

ANE. Distribution.

Griffin, D.J.G. (1970) 17-4M414
Crustaceana, 19(2):206-7
Liomera maculata Haswell, 1882, a synonym of Xanthias punctatus (H. Milne Edwards, 1834)(Decapoda, Xanthidae)

ISEW.

Fielder, D.R. & G.L. French (1970) 17-4M415
Crustaceana, 19(2):208-10
An activity recorder for bottom living marine crustaceans

Portunus pelagicus. Experimental measurement of locomotor activity.

Berry, P.F. & R.G. Hartnoll (1970) 17-4M416
Crustaceana, 19(2):214-5
Mating in captivity of the spider crab Pleistacantha moseleyi (Miers)(Decapoda, Majidae)

ISW. South east African coast.

Jazdzewski, K. (1970) 17-4M417
Crustaceana, 19(2):216-7
Gammarus inaequicauda stock in the Baltic Sea (Amphipoda, Gammaridea)

ANE. Distribution, ecology.

Vosjan, J.H. (1969) 17-4M418
Neth.J.Sea Res., 4(3):310-6
Effect of chelation on the uptake and loss of yttrium-91 by Porphyra

Netherlands. Rhodophyceae. Radioactivity, metabolism.

Swennen, C. (1969) 17-4M419
Neth.J.Sea Res., 4(3):376-9
Crawling-tracks of trematode infected Macoma baltica (L.)

Netherlands - ANE. Tellinidae. Behaviour. Presence of Trematoda cysts.

Micallef, H. (1969) 17-4M420
Neth.J.Sea Res., 4(3):380-93
The zonation of certain trochids under an artificial tidal regime

England - ANE. Monodonta, Gibbula, Calliostoma. Ecology, behaviour.

Needham, A.E. (1970) 17-4M421
Nature,Lond., 228(5278):1336-7
Integumental pigments of the amphipod, Jassa

England. Gammaridea. Ommatin extracts - absorption spectra, ommochromes.

Le Oeuff, P. & A. Intes (1969) 17-4M422
Cah.O.R.S.T.O.M.(Océanogr.), 7(4):61-6
Premières observations sur la faune benthique du plateau continental de Côte d'Ivoire
(First observations on the benthic fauna of the continental shelf of Ivory Coast). En

ASE. Crustacea Decapoda, Mollusca Gastropoda. Ecological distribution, abundance, environmental conditions.

Ruppert, E.E. (1970) 17-4M423
Cah.Biol.mar., 11(2):121-43
On Pseudostomella Swedmark 1956 with descriptions of P. plumosa nov. spec., P. cataphracta nov. spec., and a form of P. roscovita Swedmark 1956 from the West Atlantic coast. Fr De

USA, North Carolina - ANW. Gastrotricha. Taxonomy - morphological description, key to species.

Monniot, C. (1970) 17-4M424
Cah.Biol.mar., 11(2):145-52
Sur quatre ascidies rares ou mal connues des côtes de la Manche
(On four rare or little-known ascids from the coasts of the English Channel)

France - ANE. Archidistoma, Clavelina, Diazona, Styela. Taxonomy - morphological description.

Moyano G., H.I. (1970) 17-4M425
Cah.Biol.mar., 11(2):153-66
Una familia, tres generos y una especie nuevos para la Antartica (Bryozoa Cheilostomata)
(A new family, three new genera and a new species from Antarctica (Bryozoa Cheilostomata)). En Fr

PSEW. Taxonomy - CELLARINELLOIDES, LARVAPORA, TRILAMINOPORA.

Guérin, J.-P. (1970) 17-4M426
Cah.Biol.mar., 11(2):167-85
Étude expérimentale de l'établissement d'un peuplement de substrat meuble a partir de larves méroplanctoniques (Experimental study of the formation of a population on loose ground from meroplanktonic larvae). En De

France - Gulf of Marseilles. Annelida Polychaeta, Mollusca Pelecypoda - abundance, ecology. Collecting techniques.

Warwick, R.M. (1970) 17-4M427
Cah.Biol.mar., 11(2):187-94
The genus Paramesacanthion Wieser (Nematoda, Enoplidae) off the coast of Northumberland. Fr De

England. Taxonomy - morphological description, morphometric data.

Bocquet, C., J. Bocquet-Védrine & J.-P. L'Hardy (1970) 17-4M428
Cah.Biol.mar., 11(2):195-208
Contribution a l'étude du développement des organes génitaux chez Xenocoeloma alleni (Brumpt), Copépode parasite de Polycirrus caliendrum Claparède (Contribution to the study of the genital apparatus in Xenocoeloma alleni (Brumpt), parasitic copepod of Polycirrus caliendrum Claparède). En De

France, English Channel - ANE. Morphology and histology - description of stages.

Michel, C. (1970) 17-4M429
Cah.Biol.mar., 11(2):209-28
Rôle physiologique de la trompe chez quatre Annélides Polychètes appartenant aux genres: Eulalia, Phyllodoce, Glycera et Notomastus (Physiological role of the proboscis in four polychaetous annelids belonging to genera: Eulalia, Phyllodoce, Glycera and Notomastus). En De

France. Laboratory experiments. Digestive apparatus - morphology and histology. Enzymatic activity. Diet - ecology.

Connell, J.H. (1970) 17-4M430
Ecol.Monogr., 40(1):49-78
A predator-prey system in the marine intertidal region. 1. Balanus glandula and several predatory species of Thais

USA, Washington - INE. Ecology, biostatistics.

Borden, C.A. & J.R. Stein (1969) 17-4M431
Phycologia, 8(3-4):149-56
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(Fisheries management and the limitation of fishing)

Es 16-6M625.

Verduin, J. (1969) 17-6M067
Science, 166(3910):1309-10
Hard clam pumping rates: energy requirement

USA. Mercenaria mercenaria. Oxygen consumption.

Nafpaktitis, B.G. & M. Nafpaktitis (1969)C 17-6M068
Bull.Los Ang.County Mus.nat.Hist., (5):82 p.
Lanternfishes (Family Myctophidae) collected during cruises 3 and 6 of the R/V ANTON BRUUN in the Indian Ocean

Taxonomy. Distribution.

Kimura, K. & R. Ichikawa (1969) 17-6M069
Bull.Jap.Soc.scient.Fish., 35(5):434-40
Accumulation and retention of ingested ruthenium-106 by genuine goby

Japan. Acanthogobius flavimanus.
Radioecology - experiments.

Kariya, T., H. Hotta & M. Takahashi (1969) 17-6M070
Bull.Jap.Soc.scient.Fish., 35(5):441-5
(Relation between the condition of the stomach mucous folds and the stomach content in the mackerel). Ni En

Japan. Scomber japonicus. Experiments.

Umeda, S., K. Hirozawa & A. Ochiai (1969) 17-6M071
Bull.Jap.Soc.scient.Fish., 35(5):446-50
(Spawning shoals of the yellowtail migrated to the fishing ground, Komame, Kochi Pref., and effect of "synahorin" on artificial maturation). Ni En

Japan. Seriola quinqueradiata.
Maturation characteristics - gonosomatic index. Experiments - effect of synahorin on ovaries.

Suzuki, T., K. Kanna & T. Yamamoto (1969) 17-6M072
Bull.Jap.Soc.scient.Fish., 35(5):451-8
Variation of the muscle protein in horse mackerel

Japan. Trachurus japonicus. Freshness stages - relation to fishing grounds, season, catch method and fish size.

Suyama, M. & M. Maruyama (1969) 17-6M073
Bull.Jap.Soc.scient.Fish., 35(5):471-8
Confirmation of carnosine and its methylated compounds in the muscles of some animals

Japan. Parathunnus mebachii. Balaenoptera borealis. Delphinus delphis. Natrix tigrina. Presence of carnosine, anserine, balenine and ophidine.

Hiramoto, K. (1969) 17-6M074
Bull.Jap.Soc.scient.Fish., 35(6):517-23
(Fishery biology of the Japanese anchovy in the waters off the Boso Peninsula - 2. Observations on ovarian eggs). Ni En

INW. Engraulis japonica. Maturation, eggs number, spawning. Biometric data and relationships.
Co 14-6M191.

Shimo, S. & S. Nakatani (1969) 17-6M075
Bull.Jap.Soc.scient.Fish., 35(6):524-32
Studies on artificial mass culture of Porphyra tenera 1. Effect of light intensity and population density on the growth rate in Porphyra fronds

Japan. Rhodophyceae. Experiments. Equation of growth rate - factors.

Kariya, T. (1969) 17-6M076
Bull.Jap.Soc.scient.Fish., 35(6):533-6
(The relationship of food intake to the amount of stomach contents in mebaru, Sebastes inermis). Ni En

Japan. Scorpaenidae. Experiments. Rate of food intake - influence of water temperature - digestion speed. Feeding behaviour.

Ishi, T. (1969) 17-6M077
Bull.Jap.Soc.scient.Fish., 35(6):537-45
Studies on estimating parameters of a fish population supplied by sequential recruitment 5. Simultaneous estimation of parameters with the transfer effect of Pacific yellowfin tuna

ISEW. Thunnus albacares. Population model. Tracing methods.
Co 16-6M507.

Inoue, N. & T. Motohiro (1969) 17-6M078
Bull.Jap.Soc.scient.Fish., 35(6):559-61
Starch gel electrophoresis of crab haemocyanins

Japan. Paralithodes. Erimacrus. Chionoecetes. Experiments - hematology. Characteristic patterns of species.

Japanese Society of Scientific Fisheries (1969) 17-6M079
Bull.Jap.Soc.scient.Fish., 35(6):562-607
(Symposium on culture and propagation of sea bream). Ni En

Japan. Pagrus major. Mylio macrocephalus. Evynnis japonicus. Rearing - food. Seedlings production. Propagation. Regional stocks. Exploitation of stocks.

Abbott, J. (1970) 17-6M080
Nature,Lond., 225(5229):291-3
Absence of blood-brain barrier in a crustacean, Carcinus maenas L.

England. Crustacea. Decapoda. Cerebral ganglion - anatomy. Electron microscopy.

Hubbs, C.L., T. Iwai & K. Matsubara (1967) 17-6M081
Bull.Scripps Instn Oceanogr., 10:81 p.
External and internal characters, horizontal and vertical distribution, luminescence, and food of the dwarf pelagic shark, Euprotomicrus bispinatus

USA - Pacific coast.

Alagarswami, K., Y. Hiyama & Y. Nose (1969) 17-6M082
Rec.oceanogr.Wks Japan, 10(1):39-63
Studies on age and growth of the Japanese mackerel

INW. Scomber japonicus. Ageing by otoliths, vertebra, scale, hyomandicular bone. Annulus formation. Biometric relationships - back calculation. Comparison of different techniques.

Raja, B.T.A. & Y. Hiyama (1969) 17-6M083
Rec.oceanogr.Wks Japan, 10(1):75-103
Studies on the systematics and biometrics of a few Indo-Pacific sardines

Sardinella. Sardinops. Herklotsichthys. Key to genera and species. Morphometric and meristic characters - specific and geographic variations. Interspecific comparison. Synonomies.

Raja, B.T.A. & Y. Hiyama (1969) 17-6M084
Rec.oceanogr.Wks Japan., 10(1):105-7
On Sardinella sirm (Walbaum) from Okinawa

Japan. ISEW. Clupeidae. Taxonomy. Morphometric and meristic data. Distribution.

Krefft, G. (1969) 17-6M085
Arch.FischWiss., 20(1):1-21
Ergebnisse der Forschungsreisen des FFS "WALTHER HERWIG" nach Südamerika. 6. Fische der Familie Centrolophidae (Perciformes, Stromateoidei)
(Results of the research cruises of FRS "WALTHER HERWIG" to South America 6. Fishes of the family Centrolophidae (Perciformes, Stromateoidei)). En

South West Atlantic - Uruguay and Argentine coasts. Centrolophus, Schedophilus, Icichthys. Taxonomy - description - morphometric and meristic data. Geographic distribution - habitat.
CR 15-6M029.

Post, A. (1969) 17-6M086
Arch.FischWiss., 20(1):10-4
Ergebnisse der Forschungsreisen des FFS "WALTHER HERWIG" nach Südamerika. 7. Pontosudis quadrimaculata spec.nov. (Osteichthyes, Iniomi, Paralepididae)
(Results of the research cruises of FRS "WALTHER HERWIG" to South America. 7. Pontosudis quadrimaculata spec.nov. (Osteichthyes, Iniomi, Paralepididae)).
En

ASW. Taxonomy - description, morphometric and meristic data.
Co 17-6M085.

Post, A. (1969) 17-6M087
Arch.FischWiss., 20(1):15-21
Ergebnisse der Forschungsreisen des FFS "WALTHER HERWIG" nach Südamerika. 8. DOLICHOSUDIS fuliginosa gen.nov.spec.nov. (Osteichthyes, Iniomi, Paralepididae)
(Results of the research cruises of FRS "WALTHER HERWIG" to South America. 8. DOLICHOSUDIS fuliginosa gen.nov.spec.nov. (Osteochthyes, Iniomi, Paralepididae)).
En

South West Atlantic - Brazil coast. Taxonomy. Diagnosis, morphometric and meristic characteristics. Key to genera.
Co 17-6M086.

Tiews, K. (1969) 17-6M088
Arch.FischWiss., 20(1):33-41
Die Markierung von 60,000 Nordseegarnelen Crangon crangon (L.) und ihre Ergebnisse (Tagging of 60,000 common shrimps (Crangon crangon (L.) and its results). En

Germany - Federal Republic - North Sea coast. Crangonidae. Method and technique. Recovery and recapture - migrations - mortality.

Blaxter, J.H.S. (1969) 17-6M089
J.mar.biol.Ass.U.K., 49(3):557-75
Experimental rearing of pilchard larvae, Sardina pilchardus

England. Clupeidae. Techniques. Egg characteristics, development. Hatching and survival rate - effect of temperature and salinity. Growth. Feeding.

Roberts, B.L. (1969) 17-6M090
J.mar.biol.Ass.U.K., 49(3):621-40
The buoyancy and locomotory movements of electric rays

England. Torpedo nobiliana. Data on specific gravity, body fluids, fat and ash content. Observations on swimming movements - habits and habitat.

Khalil, L.F. (1969) 17-6M091
J.mar.biol.Ass.U.K., 49(3):641-59
Larval nematodes in the herring (Clupea harengus) from British coastal waters and adjacent territories

North Sea. Clupeidae. Ichthyoparasitology - Anisakis, Contracaecum. Occurrence and intensity of infection - biological factors and relations. Effect of temperature and salinity on survival of parasite - experiments.

Hobden, D.J. (1969) 17-6M092
J.mar.biol.Ass.U.K., 49(3):661-8
Iron metabolism in Mytilus edulis 2. Uptake and distribution of radioactive iron

England. Mytilidae. Experiments.
Co 13-4M072.

Halliday, R.G. (1969) 17-6M093
J.mar.biol.Ass.U.K., 49(3):785-803
Reproduction and feeding of Argentina sphyraena (Isospondyli) in the Clyde sea area

Scotland. Argentinidae. Maturity stages - classification and description - age and length. Spawning period. Food and feeding habits - seasonal variations.

Wheeler, A. & R.W. Blacker (1969) 17-6M094
J.Fish Biol., 1(4):311-31
Rare and little-known fishes in British seas in 1966 and 1967

ANE. Pisces. Taxonomic and geographic records.

Bowers, A.B. (1969) 17-6M095
J.Fish Biol., 1(4):355-9
Spawning beds of Manx autumn herring

England - Irish Sea. Clupea harengus. Egg survey. Environmental characteristics of spawning beds. Data on egg density, size and state of development. Proportion of dead and unfertilized eggs. Laboratory experiments - hatching, lengths of larvae.

Apollonio, S. (1969) 17-6M096
J.Fish.Res.Bd Can., 26(8):1969-83
Breeding and fecundity of the glass shrimp, (Pasiphaea multidentata (Decapoda, Caridea)), in the Gulf of Maine

USA - Atlantic coast. Distribution. Size composition, sex ratio - seasonal variations. Secondary sexual characters. Length and weight relationships. Eggs - number, maturation, stages, bearing seasons. Feeding.

Alverson, D.L. & W.T. Pereyra (1969) 17-6M097
J.Fish.Res.Bd Can., 26(8):1985-2001
Demersal fish explorations in the northeastern Pacific Ocean - an evaluation of exploratory fishing methods and analytical approaches to stock size and yield forecasts

Squalidae. Gadidae. Scorpaenidae. Pleuronectidae. Methodology. Survey areas. Standing stock estimation. Latent resources - fisheries development.

MacCallum, W.A. et al. (1969) 17-6M098
J.Fish.Res.Bd Can., 26(8):2027-35
Newfoundland capelin: proximate composition

Canada - Atlantic coast. Mallotus villosus. Chemical composition - analytical data in different stages of sexual cycle.

Brawn, V.M. (1969) 17-6M099
J.Fish.Res.Bd Can., 26(8):2077-91
Buoyancy of Atlantic and Pacific herring

Canada. Clupea harengus. Clupea pallasi. Sinking factor. Swimbladder volume - relation to fat content. Density of different parts of body. Factors of variation - sex, fat content. Maturation. Issued also as: Contr.Fish.Res.Bd Can., (158).

Barlow, J. & G.J. Ridgway (1969) 17-6M100
J.Fish.Res.Bd Can., 26(8):2101-9
Changes in serum protein during the molt and reproductive cycles of the American lobster

USA - Atlantic coast. Homaridae. Experiments. Serological and biochemical characteristics in different stages. Effects of molt cycle and eggs development.

Sergeant, D.E. & P.F. Brodie (1969) 17-6M101
J.Fish.Res.Bd Can., 26(8):2201-5
Tagging white whales in the Canadian Arctic

Delphinapterus leucas. Recovery tags and recapture. Migration area and distance. Technique of tagging.

Jonkel, C.J. (1969) 17-6M102
J.Fish.Res.Bd Can., 26(8):2205-7
White whales wintering in James Bay

Canada. Delphinapterus leucas. Localization of places by helicopter survey.

Rayner, M.D., M.H. Baslow & T.I. Kosaki (1969) 17-6M103
J.Fish.Res.Bd Can., 26(8):2208-10
Marine toxins from the Pacific - ciguatoxin: not an in vivo anti-cholinesterase

USA - Hawaii. Gymnothorax javanicus. Experiments with liver and flesh extracts. Cholinergic action.
Issued also as: Contr.Hawaii Inst.mar. Biol., (334).

Pereyra, W.T., W.G. Pearcy & F.E. Carvey,Jr. (1969) 17-6M104
J.Fish.Res.Bd Can., 26(8):2211-5
Sebastodes flavidus, a shelf rockfish feeding on mesopelagic fauna, with consideration of the ecological implications

USA - Pacific coast. Scorpaenidae. Specific composition of stomach content - relation to fauna of scattering layer.

Wellings, S.R., L.E. Ashley & G.E. McArn (1969) 17-6M105
J.Fish.Res.Bd Can., 26(8):2215-8
Microsporidial infection of English sole, Parophrys vetulus

USA - Pacific coast. Pleuronectidae - occurrence of cysts of Glugea hertwigi in stomach, intestine, liver and pancreas. Pathology and histology.

Johnson, E.A. & K.K. Chew (1969) 17-6M106
J.Fish.Res.Bd Can., 26(8):2245-6
Preliminary report on the fecundity of Mytilicola orientalis

USA - Pacific coast. Parasite on Crassostrea gigas and Mytilus edulis. Individual number of eggs.
Issued also as: Contr.Univ.Wash.Coll.Fish., (308).

Le Boeuf, B.J. & R.S. Peterson (1969) 17-6M107
Science, 166(3913):1654-6
Dialects in elephant seals

USA. Mexico - Pacific coast. Mirounga angustirostris. Records of male vocalization - electroacoustical analysis. Vocal behaviour - geographical differences.

Ukeles, R. & B.M. Sweeney (1969) 17-6M108
Limnol.Oceanogr., 14(3):403-10
Influence of dinoflagellate trichocysts and other factors on the feeding of Crassostrea virginica larvae on Monochrysis lutheri

USA. Ostreidae. Experiments. Factors of food uptake. Inhibition of feeding.

Strand, J.A., J.T. Cummins & B.E. Vaughan (1969) 17-6M109
Limnol.Oceanogr., 14(3):444-8
A fast-flow sealed disk filter system for marine aquaria

USA. Seaweeds laboratory culture. Apparatus - recirculation aquarium system. Technical description. Experiments on particles size distribution - natural seawater and aquarium water.

Gulland, J.A. (1970) 17-6M110
FAO Fish.tech.Pap.(Fr), (70):12 p.
La notion de rendement maximal constant et l'aménagement des ressources halieutiques
(The concept of the maximum sustainable yield and fishery management)

Fr 13-6M131.

Nizovtsev, G.P. (1968) 17-6M111
Mater.rybokhoz.Issled.severn.Bass., (12): 13-9
Rezul'taty ucheta molodi treski v Barentsevom more v osenne-zimnii period 1966/67 g.
(The results of young cod registration in the Barents Sea during autumn-winter 1966/67)

ANE. Gadus callarias.

Baranova, E.P. (1968) 17-6M112
Mater.rybokhoz.Issled.severn.Bass., (12): 20-3
Rezul'taty ucheta molodi pikshi v Barentsevom more v osenne-zimnii period 1966/67 g.
(The results of young haddock registration in the Barents Sea during autumn-winter 1966/67)

ANE. Melanogrammus aeglefinus.

Ponomarenko, I.Ia. (1968) 17-6M113
Mater.rybokhoz.Issled.severn.Bass., (12): 24-32
Osobennosti pitaniia molodi treski v iuzhnoi chasti Barentseva moria v 1964 i 1965 gg.
(Feeding peculiarities of young cod in the southern Barents Sea)

ANE. Gadus callarias.

Berger, T.S. & V.P. Ponomarenko (1968) 17-6M114
Mater.rybokhoz.Issled.severn.Bass., (12): 42-8
Syr'evaia baza tralovogo promysla treski v Barentsevom more v 1966 g.
(Cod resources for trawl fishery in the Barents Sea in 1966)

ANE. PNW. Gadus callarias.

Konchina, Iu.V. (1968) 17-6M115
Mater.rybokhoz.Issled.severn.Bass., (12): 49-61
Rost i pitanie molodi okunia-kliuvacha raionov N'iufaundlenda
(Growth and nutrition of young redfish (Sebastes mentella) in the areas of Newfoundland)

ANW. Scorpaenidae. Biological and biometric data. Food species - regional variation.

Zakharov, G.P. (1968) 17-6M116
Mater.rybokhoz.Issled.severn.Bass., (12): 62-9
Ob ekologii kheka Urugvaiskogo shel'fa
(On hake ecology of the Uruguay shelf)

PSW. Merluccius hubbsi. Biological and biometric data. Feeding and vertical migration. Catch per hour. Environmental conditions.

Shutova-Korzh, I.V. (1968) 17-6M117
Mater.rybokhoz.Issled.severn.Bass., (12): 70-7
K metodike issledovaniia raspredeleniia sel'di v Barentsevom more
(On the method of investigation of the herring distribution in the Barents Sea)

ANE. Clupea harengus. Distribution. Environmental conditions - current system.

Pakhorukov, V.I. (1968) 17-6M118
Mater.rybokhoz.Issled.severn.Bass., (12): 83-6
O vliianii gidrologicheskikh uslovii na povedenie zimuiushchei sel'di v iugo-zapadnoi chasti Norvezhskogo moria
(On the influence of the hydrological conditions on the behaviour of the wintering herring in the south-western area of the Norwegian Sea)

ANE. Clupea harengus. Annual abundance - hydrographic conditions. Maturity stages.

Shutova-Korzh, I.V. (1968) 17-6M119
Mater.rybokhoz.Issled.severn.Bass., (12): 87-100
Prichiny zakhoda sel'di v zalivy Barentseva moria
(The reasons of the herring entry into the bays of the Barents Sea)

ANE. Clupea harengus. Environmental conditions - temperature. Migrations.

Nesis, K.N. & M.S. Soboleva (1968) 17-6M120
Mater.rybokhoz.Issled.severn.Bass., (12): 105-9
Rost severnoi rozovoi krevetki v prolive Skagerrak
(Growth of the northern pink shrimp (Pandalus borealis, Kroyer) in Skagerrack)

North Sea. Pandalidae. Biological and biometric data.

Zenkovich, B.A. (1969) 17-6M121
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:249-66
Kity i ikh promysel vo vtorom sektore Antarktiki
(Whales and whaling in the Antarctic second sector)

Southern Ocean. Pinnipedia. Cetacea. Species - areal distribution. Industrial catch. Migrations - marking experiments.

Kanaeva, I.P., Iu.Iu. Marti & Iu.E. Permitin (1969) 17-6M122
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:267-75
O pishchevykh tsepiakh v more Skotiia
(On food chains in the Scotia Sea)

PSW. PSEW. Trophic dynamics. Fish - various species. Sea birds. Seals. Relation to Euphausia.

Shubnikov, D.A., Iu.E. Permitin & S.P. Vozniak (1969) 17-6M123
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:299-306
Materialy po biologii putassu (Micromesistius australis Norman)
(Some data on the biology of poutassou. Micromesistius australis Norman)

PSW - Patagonian shelf. PSEW - Scotia Sea. Gadidae. Geographical distribution. Biology - migrations, spawning grounds - food. Biometric data - length frequency, length and weight relationships. Growth.

Dubrovskaia, T.A. & O.E. Makharov (1969) 17-6M124
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 66:311-7
Tekhnokhimicheskaia kharakteristika i pishchevoi ispol'zovanie ryb moria Skotiia
(Chemical characteristics and utilization of fishes from the Scotia Sea)

PSW. PSEW. Chaenocephalus, Pseudochaenichthys, Notothenia, Champsocephalus, Micromesistius, Gymnoscopelus. Data on chemical composition.

Le Gall, P. (1970) 17-6M125
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(3): 509-11
Méthode d'étude des stries de croissance de Mytilus edulis L. Mise en évidence du rythme et des modalités de leur formation
(Method for the study of the growth bands in Mytilus edulis L. Evidence of the rhythm and the modality of their formation)

France. Mytilidae. Ageing - description. Growth.

Delépine, M., M. Goubern & M. Hubert (1969) 17-6M126
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(1): 59-62
Premières données sur la teneur en acide alginique des Durvillea dans les Iles Australes Françaises (Océan Indien)
(First data on the alginic acid content of Durvillea from the Austral French Islands (Indian Ocean))

PSE - Kerguelen. Phaeophyceae. Analytical data of different parts of plant - seasonal variations.

Albeaux-Fernet, M. & C-M. Laur (1970) 17-6M127
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 270(1): 170-3
Influence de la pollution par le mazout sur les testicules de crabes (étude histologique)
(Influence of oil pollution on the testicles of crab (histological study))

France - Atlantic coast. Carcinus maenas. Pathological modifications - atrophy of gland.

Lewis, J.R. & R. Seed (1969) 17-6M128
Cah.Biol.mar., 10(3):231-53
Morphological variations in Mytilus from south-west England in relation to the occurrence of M. galloprovincialis Lamarck. Fr

Mytilidae. Regional taxonomical comparison. Variations in shell shape. Biometric relationships and morphometric data.

Collenot, G. (1969) 17-6M129
Cah.Biol.mar., 10(3):309-23
Étude biométrique de la croissance relative des ptérygopodes chez la roussette Scyliorhinus canicula (L.)
(Biometrical study of the relative growth rate of claspers in the dogfish Scyliorhinus canicula L.). En De

France - Atlantic North. Variation of growth rate through different stages of life cycle.

Beese, G. & R. Kändler (1969) 17-6M130
Ber.dt.wiss.Kommn Meeresforsch., 20(1):21-59
Beiträge zur Biologie der drei nordatlantischen Katfischarten Anarhichas lupus L., A. minor Olafs. und A. denticulatus Kr.
(Contributions to the biology of the three North Atlantic species of catfish Anarhichas lupus L., A. minor Olafs. and A. denticulatus Kr.). En Fr Es

ANE. ANW. Anarhichadidae. Distribution - horizontal and vertical. Fishing grounds, landings, catch effort. Environmental conditions - temperature. Length frequency - age classes. Growth equations, length and weight relationships. Reproduction - sex ratio, maturity, spawning. Fecundity - eggs number. Meristic variability.

Rosenthal, H. (1969) 17-6M131
Ber.dt.wiss.Kommn Meeresforsch., 20(1):60-9
Verdauungsgeschwindigkeit, Nahrungswahl und Nahrungsbedarf bei den Larven des Herings, Clupea harengus L.
(Rate of digestion, selection of food and daily rations in herring larvae). En Fr Es

Germany - Federal Republic. North Sea. Clupeidae. Experi ents in aquaria. Passage average rate per hour. Daily food ration - relation to length.

Kotthaus, A. (1969) 17-6M132
Ber.dt.wiss.Kommn Meeresforsch., 20(1):70-6
Ergebnisse der deutschen Verpflanzungen markierter Seézungen (Solea solea) in den Jahren 1964 und 196
(Results of German transplantations of tagged soles (Solea solea) in 1964 and 1966). En

Germany - Federal Republic - North Sea. Soleidae. Tagging experiments. Recapture. Migration. Growth. Differentiation of two populations.

Lamp, F. & K. Tiews (1969) 17-6M133
Ber.dt.wiss.Kommn Meeresforsch., 20(1):76-9
Vergleichende Markierungsexperi ente am Ostseedorsch (Gadus morhua) im Jahre 1968
(Comparative tagging experiments on cod in the Baltic, 1968). En

Germany - Federal Republic - Baltic Sea. Gadidae. Experi ents with different tag types. Efficiency of recovery.

Hempel, G. & K. Schubert (1969) 17-6M134
Ber.dt.wiss.Kommn Meeresforsch., 20(1):79-83
Sterblichkeitsbestimmungen an einem Eiklumpen des Nordsee-Herings (Clupea harengus L.)
(Estimates of mortality in a lump of eggs of North Sea herring (Clupea harengus L.). En

Germany - Federal Republic. Clupeidae. Spawning place - environmental characteristics. Percentage of dead eggs in different parts of lump. Egg consumption by predatory fish.

Kensler, C.B. (1970) 17-6M135
Am.Fish Fmr, 1(11):8-12, 27
The potential of lobster culture

USA - ANW. Hommarus americanus. Biology - eggs number, development, survival, reproduction. Culture - hatching, rearing, growth and food requirement. Research.

Mead, G.W. & I. Rubinoff (1966) 17-6M136
Breviora, (241):1-6
Avocettinops yanoi, a new nemichthyid eel from the southern Indian Ocean

Taxonomy. Description - meristic and morphometric data. Occurrence. Issued also as: Coll.Repr.int.Indian Oc. Exped., 4, No. 227, 1967.

Le Guen, J.C., F. Baudin-Laurencin & C. Champagnat (1969) 17-6M137
Cah.O.R.S.T.O.M.(Océanogr.), 7(1):19-40
Croissance de l'albacore (Thunnus albacares) dans les régions de Pointe-Noire et de Dakar
(Growth of yellowfin tuna (Thunnus albacares) in the regions of Pointe-Noire and Dakar). En

ASE. Geographic distribution of larvae - spawning period and birth date for yellowfin. Growth rate determinated by Petersen method. Growth parameters - Von Bertalanffy equation. Interregional and interspecific comparison.

Chabanne, J. & R. Plante (1969) 17-6M138
Cah.O.R.S.T.O.M.(Océanogr.), 7(1):41-71
Les populations benthiques (endofaune, crevettes Penaeides, poissons) d'une baie de la côte nord-ouest de Madagascar: Écologie, biologie et pêche
(The benthic populations (endofauna, penaeid shrimps, fish) in a bay of the north-west coast of Madagascar: Ecology, biology and fishery). En

ISW. Bionomical prospection and exploratory trawling. Environmental characteristics - sediments, water temperature and salinity. Macrobenthos - communities and biomass. Shrimp species - sampling analyses - catch effort - biological and biometric data.

Gulland, J.A. (1970) 17-6M139
FAO Fish.tech.Pap.(Es), (70):12 p.
El concepto del rendimiento máximo sostenible y la ordenación pesquera
(The concept of the maximum sustainable yield and fishery management)

Es 13-6M131.

Miyake, Y., Y. Ishikawa & N. Hoshino (1968) 17-6M140
Bull.Fish.Exp.Stn.,Okayama Pref., 42:27-35
(Changes in body color of cultured kuruma prawn, Penaeus japonicus Bate, by different diets and bottom conditions). Ni En

Japan. Feeding experiments - variation of astaxanthin content. Environmental conditions.

Park, J.S. & J.Y. Lim (1967) 17-6M141
Rep.Fish.Resour.,Pusan, 7:29-40
(On the results of the tagging experiment on squids in the Korean waters). Korean En

Ommastrephes sloani pacificus. Migrations. Recovery and recapture. Recovery rate - annual variation.

Chung, B.K., Y.M. Kim & Y.S. Kim (1967) 17-6M142
Rep.Fish.Resour.,Pusan, 7:5-27
(Zoogeographical studies on the bottom fishes of the Korean coast in the Yellow Sea).
Korean En

Pleuronectidae. Sciaenidae. Zoarcidae. Trichiuridae. Species density and distribution - seasonal and regional variations.

Tarasevich, M.N. (1968) 17-6M143
Zool.Zh., 47(11):1683-8
(Dependence of the distribution of the sperm whale males upon the character of feeding). Ru En

INE. Physeter catodon. Influence of different water masses on food distribution and concentration - squid species.

Kida, W. (1967) 17-6M144
J.Fac.Fish.Univ.Mie, 7(1):81-164
(Studies on the morphology and ecology of Monostroma in Ise Bay and vicinity, Japan). Ni En

Chlorophyceae - Ulvaceae. Life cycle - reproductive cells and development. Environmental characteristics. Culture experiments.

Suzuki, K. (1966) 17-6M145
Rep.Fac.Fish.Univ.Mie, 5(3):455-68
Growth of Kareius bicoloratus (Basilewsky) deduced from otolith

Japan. Pleuronectidae. Ageing - biometrics. Morphology of otolith. Length and weight relationships.

Mori, K. (1966) 17-6M146
Rep.Fac.Fish.Univ.Mie, 5(3):469-88
A new anemone fish, Amphiprion amamiensis, n. sp. from Japan

Japan. Pomacentridae. Taxonomy. Morphometric and meristic data.

Shiino, S.M. & K. Izawa (1966) 17-6M147
Rep.Fac.Fish.Univ.Mie, 5(3):489-501
Parasitic copepods of the Eastern Pacific fishes. 9. Pandarus oblongus sp. nov.

ISE - Peru coast. Copepoda parasitica on Elasmobranchii. Taxonomy - description of parasite.
CR 10-12693.

Giese, A.C. (1969) 17-6M148
Oceanogr.mar.Biol., 7:175-229
A new approach to the biochemical composition of the mollusc body

USA - Pacific coast. Amphineura. Gastropoda - Haliotis. Pelecipoda - Tivela, Mytilus. Cephalopoda - Loligo. Average indices and chemical composition of different parts of organism - monthly and seasonal variations. Metabolism - respiratory rate. Comparison between classes.

Gibson, R.N. (1969) 17-6M149
Oceanogr.mar.Biol., 7:367-410
The biology and behaviour of littoral fish

General review. Ecology - definitions, classification, habitat characteristics. Morphological adaptations. Tolerance and reactions to environmental conditions. Respiration. Food and feeding. Reproduction. Movements and rhythms. Predators and parasites. Associations. Colouration. Zonation and habitat selection. Examples referring to species of Blenniidae, Gobiidae, Gobiesocidae, Periophthalmidae, Cottidae, Clinidae, Pholidae, Liparidae, Labridae. Selected bibliography.

Yoo, Sung Kyoo & Takeo Imai (1968) 17-6M150
Bull.Pusan Fish.Coll., 8(2):127-32
(Food and growth of larvae of the scallop Patinopecten yessoensis Jay). Korean En

Korea. Pectinidae. Experiments. Algal food - daily rate consumption. Food efficiency, requirements.

Bae Kyung Mon (1967) 17-6M151
Bull.Fish.Res.Dev.Ag.,Pusan, (1):109-15
(Study on spat collecting of oyster (Crassostrea gigas Thunberg)). Ni En

Korea. Ostreidae - culture. Environmental characteristics. Spawning time. Larval growth. Spat settlement.

Yungkyuin Chung & Dukyung Chung (1967) 17-6M152
Bull.Fish.Res.Dev.Ag.,Pusan, (1):143-52
(Studies on the artificial seedling production and growth of Undaria pinnatifida (HAR.) SUR.). Ni En

Korea. Phaeophyceae - culture. Experiments - data on growth of blade.

Drach, P. & C. Tchernigovtzeff (1969) 17-6M153
Transln Ser.Fish.Res.Bd Can., (1296):18 p.
On the method of determining the intermolt stages and its general application to crustaceans

En 16-6M575.

Miller, P.J. (1969) 17-6M154
J.mar.biol.Ass.U.K., 49(4):831-55
Systematics and biology of the leopard-spotted goby, Gobius ephippiatus (Teleostei: Gobiidae), with description of a new genus and notes on the identity of G. macrolepis Kolombatovic

ANE. ASE. Gobiidae - THOROGOBIUS. Taxonomy - numbers of sensory papillae, correlation with total length - meristic and morphometric data - synonymies. Geographical distribution. General biology and ecology.

Bone, Q. & B.L. Roberts (1969) 17-6M155
J.mar.biol.Ass.U.K., 49(4):913-37
The density of elasmobranchs

England - English Channel. Cetorhinus, Lamna, Prionace, Squalus, Dalatias, Galeorhinus, Mustelus, Scyliorhinus, Squatina, Dasyatis, Raja, Torpedo. Data on water and fat content. Density of different tissues. Statistical and biological correlations.

Radil-Weiss, T. & N. Kovačevič (1969) 17-6M156
Mar.Biol., 3(4):304-5
Some biophysical parameters of the skin of the electric fish Torpedo marmorata

Yugoslavia - Adriatic Sea. Experiments.

Winter, J.E. (1969) 17-6M157
Mar.Biol., 4(2):87-135
Über den Einfluss der Nahrungskonzentration und anderer Faktoren auf Filtrierleistung und Nahrungsausnutzung der Muscheln Arctica islandica und Modiolus modiolus (On the influence of food concentration and other factors on filtration rate and food utilization in the mussels Arctica islandica and Modiolus modiolus). En

Germany - Federal Republic - North Sea. Experiments - Chlamydomonas and Dunaliella used as food. Equation of filtration rate. Temperature coefficients. Relationship between body size and filtration rate. Pseudofaeces production. Supplementary experiments with Mytilus, Cardium, Mya, Venerupis. Classification of suspension feeding types.

Webber, H.H. & A.C. Giese (1969) 17-6M158
Mar.Biol., 4(2):152-9
Reproductive cycle and gametogenesis in the black abalone Haliotis cracherodii (Gastropoda: Prosobranchiata)

USA - Pacific coast. Experiments and field observations. Gonad development - annual cycle. Histological control. Total polysaccharide content in foot tissue - seasonal variation. Data on gonad index. Environmental variable - temperature, photoperiodicity, nutrition.

Shatunovskii, M.I. (1969) 17-6M159
Dokl.biol.Sci., 184(1-6):12-4
Comparative study of blood serum lipids of cod, navaga, fluke, and arctic flounder of the White Sea

USSR. Gadus. Elegimus. Pleuronectes. Liopsetta. Hematology - relation to environmental temperature.
En 15-6M551.

Gelkina, L.A. (1969) 17-6M160
Dokl.biol.Sci., 184(1-6):194-6
Method of determining the number of myomeres in herring larvae and the change of their number during development

En 15-6M549.

Kudinskii, O.Yu. (1969) 17-6M161
Dokl.biol.Sci., 184(1-6):200-3
Embryonic development of "small" White Sea herring (Clupea harengus pallasi n. maris-albi var.?) in relation to temperature

En 15-6M550.

Ivanchenko, L.A. & O.F. Ivanchenko (1969) 17-6M162
Dokl.biol.Sci., 184(1-6):207-9
Transition to active feeding by larval and juvenile White Sea herring (Clupea harengus pallasi natio maris-albi Berg) in artificial conditions

En 15-6M552.

James, B.L. & L.P. Srivastava (1967) 17-6M163
J.nat.Hist., 1(3):363-72
The occurrence of Podocotyle atomon (Rud., 1802)(Digenea), Bothriocephalus scorpii (Müller, 1776) (Cestoda), Contracaecum clavatum (Rud, 1809) (Nematoda) and Echinorhynchus gadi Zoega, in Müller, 1776 (Acanthocephala) in the five-bearded rockling, Onos mustelus (L.)

ANE - England. Ichthyoparasitology - Gadidae. Incidence and intensity of infection - relation to length of fish. Seasonal variations and environmental factors. Frequency distribution of parasites.
HA 38(3)3151.

Kovaleva, A.A. (19?5) 17-6M164
In Helminth fauna of animals in southern seas , edited by Delyamure, S.L., Kiev, Naukova Dumka, pp. 32-8
(Parasite fauna of Black Sea fish, family Atherinidae, from the Karadaga area).
Ru

USSR. Platyhelminthes on Atherinidae.
HA 38(3)3155.

Gupta, N.K. & M. Khullar (1967) 17-6M165
Res.Bull.Panjab Univ.Sci., 18(3/4):409-11
On a new species of Monogenea, Paramazocraes kazikodiensis n.sp. (Mazocraeidae) from an Indian marine food fish at Calicut (India)

Ichthyoparasitology - Engraulidae. Taxonomy - description of parasite.
HA 38(3)3208.

Gupta, N.K. & M. Khullar (1967) 17-6M166
Res.Bull.Panjab Univ.Sci., 18(3/4):429-31
On a new monogenetic trematode, Lamellodiscus mínousi n.sp., (Diplectanidae) from gills of the marine food fish at Bombay (India)

Ichthyoparasitology - Scorpaenidae, Minous mondactylus. Taxonomy - description of parasite, occurrence.
HA 38(3)3209.

Lamothe-Argumedo, R. (1968) 17-6M167
Riv.Parasit., 29(3):171-84
Monogéneos de peces. 6. Caballerocotyla marielenae sp. nov. (Monogenea: Capsalinae), parásito de las branquias de Istiophorus greyi Jordan and Hill, de Puerto Angel, Oaxaca, México
(Monogenea of fish. 6. Caballerocotyla marielenae sp.nov. (Monogenea: Capsalinae), parasite from the gills of Istiophorus greyi Jordan and Hill, from Puerto Angel, Oaxaca, Mexico). En It

Mexico - Pacific coast. Ichthyoparasitology - Histiophoridae. Taxonomy - description of parasite, occurrence. Key to species of genus.
Co 17-6M443.
HA 38(3)3210.

Kayakarte, P.P. (1968) 17-6M168
Riv.Parassit., 29(3):185-9
Acanthostomum (Gymnatrema) pambanense sp.n. (Trematoda: Acanthostomatidae) from the fish, Therapon puta (Cuv. and Val.) in India. It

Indian Ocean - Pamban Island. Ichthyoparasitology - Theraponidae. Taxonomy - description of parasite, occurrence.
HA 38(3)3233.

Nikolaeva, V.M. (1966) 17-6M169
In Helminth fauna of animals in southern seas, edited by Deliamure, S.L., Kiev, Naukova Dumka, pp. 52-66
(Trematodes of the suborder Hemiurata infecting fish in the Mediterranean Basin). Ru

Ichthyoparasitology. Taxonomy of parasites. New host records.
HA 38(3)3237.

Paruknin, A.M. (1966) 17-6M170
In Helminth fauna of animals in southern seas, edited by Delyiamure, S.L., Kiev, Naukova Dumka, pp. 97-104
(New species of trematodes parasitic in fish in the Gulf of Tonkin). Ru

ISEW. Ichthyoparasitology - Carangidae, Psettodidae. Taxonomy - description of parasites, occurrence.
HA 38(3)3242.

Delyamure, S.L. & A.S. Skryabin (1966) 17-6M171
In Helminth fauna of animals in southern seas, edited by Deliamure, S.L., Kiev, Naukova Dumka, pp. 3-9
(Diphyllobothrium polyrugosum n.sp. from Orcinus orca in the southern hemisphere). Ru

Southern Ocean. Cestoda on Delphinidae. Taxonomy - description of parasite, occurrence.
HA 38(3)3257.

Iwata, S. (1967) 17-6M172
Res.Bull.Meguro parasit.Mus., (1):8-11
On the plates of Diplogonoporus balaenopterae Loennberg (Cestoda)

Pacific Ocean. Cetacea. Parasite of Balaenoptera acutorostrata - taxonomic description.
HA 38(3)3259.

Skryabin, A.S. (1966) 17-6M173
In Helminth fauna of animals in southern seas, edited by Deliamure, S.L., Kiev, Naukova Dumka, pp. 10-2
(Corynosoma mirabilis n.sp. from the sperm whale). Ru

Southern Ocean. Acanthocephala on Physeter macrocephalus. Taxonomy - description of parasite, occurrence.
HA 38(3)3273.

Naidenova, N.N. (1966)c 17-6M174
In Helminth fauna of animals in southern seas, edited by Deliamure, S.L., Kiev, Naukova Dumka, pp. 42-5
(Spinitectus tamari n.sp., a new nematode from fish of the Black Sea). Ru

USSR. Parasite of Gobius and Gaidropsarus - taxonomic description, occurrence.
HA 38(3)3299.

Nikolaeva, V.M. & A.A. Kovaleva (1966)c 17-6M175
In Helminth fauna of animals in southern seas, edited by Deliamure, S.L., Kiev, Naukova Dumka, pp. 67-79
(Parasite fauna of Trachurus from the Mediterranean Basin). Ru

Digenea and Cestoda on Carangidae. Parasite records - taxonomic description - zoogeographical considerations.
HA 38(3)3316.

Parukhin, A.M. (1966)c 17-6M176
In Helminth fauna of animals in southern seas, edited by Deliamure, S.L., Kiev, Naukova Dumka, pp. 80-96
(Helminth fauna of carangid fish from the South China Sea). Ru

ISEW. Digenea, Cestoda. Nematoda and Acanthocephala on Carangidae. Taxonomic description of parasites - a new host record.
HA 38(3)3317.

Naidenova, N.N. (1966) 17-6M177
In Helminth fauna of animals in southern seas, edited by Deliamure, S.L., Kiev, Naukova Dumka, pp. 46-51
(Distribution of helminth larvae in Gobius). Ru

USSR - Black Sea, Azov Sea. Ichthyoparasitology - Gobiidae. Infection with larvae of Scolex, Tetrarhynchobothrium, Cryptocotyle, Stephanostomum, Tetracotyle, Galactosomum - relation to habitat and feeding of hosts.
HA 38(3)3525.

Srivastava, L.P. & B.L. James (1967) 17-6M178
J.nat.Hist., 1(4):481-9
The morphology and occurrence of Gyrodactylus medius Kathariner 1894 (Monogenoidea) from Onos mustelus (L.)

England - South Wales coast. Ichthyoparasitology - Gadidae. Infection development on host. Intensity rate of infection - influence of temperature. Reproductive potential of parasite - seasonal variation.
HA 38(3)3537.

Prévot, G. (1968) 17-6M179
Annls Parasit.hum.comp., 43(3):321-32
Contribution à la connaissance du cycle de Lepidauchen stenostoma Nicoll, 1913 (Trematoda, Digenea, Lepocreadiidae Nicoll, 1935, Lepocreadiinae Odhner, 1905)
(Contribution to the knowledge on life-cycle of Lepidauchen stenostoma Nicoll, 1913 (Trematoda, Digenea, Lepocreadiidae Nicoll, 1935, Lepocreadiinae Odhner, 1905)).
En

France - Mediterranean coast. Ichthyoparasitology - Labridae. Host records. Description of unencysted metacercariae and adult stages.
HA 38(3)3860.

Malins, D.C. & A. Barone (1970) 17-6M180
Science, 167(3914):79-80
Glyceryl ether metabolism: Regulation of buoyancy in dogfish Squalus acanthias

USA - Pacific coast. Liver - lipid content, hydrostatic properties.

Penrith, M.J. (1967) 17-6M181
J.nat.Hist., 1:185-8
Ceratioid angler-fishes from South Africa

PSW. Ceratias, Cryptopsaras. Taxonomy. Description - morphometric data. Distribution.
Issued also as: Coll.Repr.Inst.Oceanogr. Univ.Cape Town, 6, No. 56.

Penrith, M.J. (1967) 17-6M182
Ann.S.Afr.Mus., 48(22):523-48
The fishes of Tristan da Cunha, Gough Island and the Vema seamount

South Atlantic. Osteichthyes - oceanic and coastal species. Taxonomy. Zoogeography.
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(On the dynamics of exploited populations of sea fish)

General review. World fishing grounds and catch. Mortality and growth. Optimal catch. Stocks and yield. Stock density. Stock of larvae. Fish production.
Issued also as: Gesamm.Sonderdr.Inst. Hydrobiol.FischWiss.Univ.Hamb., 1964-66.

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FAO Fish.tech.Pap.(Fr), (92):14 p.
L'aménagement des pêcheries et la limitation de la pêche
(Fisheries management and the limitation of fishing)

Fr 16-6M625.

ANON. (1970) 17-6M185
Nature.Lond., 226(5245):501-2
Five miles of fish

Puerto Rico trench. Brotulidae - Bassogigas. Bathymetric range, geographic distribution - new records.

Schusterman, R.J. & R.F. Balliet (1970) 17-6M186
Nature.Lond., 226(5245):563-4
Visual acuity of the harbour seal and the Steller sea lion under water

USA - Pacific coast. Eumetopias jubata, Phoca vitulina. Experiments in tank. Behaviour and physiology - interspecific comparison, ecological considerations.

Wise, S.W.,Jr. (1970) 17-6M187
Science, 167(3924):1486-8
Microarchitecture and deposition of gastropod nacre

Astrea, Haliotis, Cittarium, Tegula, Turbo, Trochus, Norrisia. Scanning electron microscopy. Growth of nacreous layers - crystal stacks deposition. Comparison with Pelecypoda.

Stewart, J.E., J.R. Dingle & P.H. Odense (1966) 17-6M188
Can.J.Biochem., 44:1447-59
Constituents of the hemolymph of the lobster, Homarus americanus Milne Edwards

Canada - Atlantic coast. Homaridae. Blood composition and characteristics. Methods.
Issued also as: Stud.Fish.Res.Bd Can., 1967,Pt.1, No. 1119.

Walne, P.R. (1970) 17-6M189
Fishery Invest.,Lond.(II), 26(3):35 p.
The seasonal variation of meat and glycogen content of seven populations of oysters Ostrea edulis L. and a review of the literature

England. Ostreidae. Analytical, biometric and environmental data. Dry meat condition index, glycogen condition index - statistical analysis, interregional comparison.

Ray, S.M. (1966) 17-6M190
Proc.natn.Shellfish.Ass., 56:31-6
Cycloheximide: inibition of Dermocystidium marinum in laboratory stocks of oysters

USA. Gulf of Mexico. Fungus parasite on Crassostrea virginica. Experiments with antibiotics.
Issued also as: Contr.Oceanogr.Coll.Geosci. Texas A & M Univ., 11, 1967-1968, No. 353.

Sergeant, D.E. & P.F. Brodie (1969) 17-6M191
J.Fish.Res.Bd Can., 26(10):2561-80
Body size in white whales, Delphinapterus leucas

Arctic Ocean - Canada. Cetacea - Monodontidae. Biometric data. Lengths, girths and weights. Relative weights of body parts, blubber thickness. Growth rate by sexes. Correlation between body size and marine organic production.

Tsuyuki, H. & E. Roberts (1969) 17-6M192
J.Fish.Res.Bd Can., 26(10):2633-41
Muscle protein polymorphism of sablefish from the eastern Pacific Ocean

Anoplopoma fimbriata. Electrophoretic investigations. Gene frequencies by area, age and sexes.

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J.Fish.Res.Bd Can., 26(10):2691-702
Records of mesopelagic and other fishes from the Canadian Atlantic with notes on their distribution

ANW. Pisces - Osteichthyes. List of species - occurrence, bathymetric distribution. Zoogeographic considerations - relation to currents system.

McMullen, J.C. (1969) 17-6M194
J.Fish.Res.Bd Can., 26(10):2737-40
Effects of delayed mating on the reproduction of king crab, Paralithodes camtschatica

USA - Pacific coast. Lithodidae. Biometric data - relation between carapace length and egg clutch volume. Production of fertilized eggs.

Murchelano, R.A. & C. Brown (1969) 17-6M195
J.Fish.Res.Bd Can., 26(10):2760-4
Bacterial flora of some algal foods used for rearing bivalve larvae

USA - Atlantic coast. Crassostrea virginica. Mercenaria mercenaria. Bacteria - laboratory cultures. Isolation of Pseudomonas, Flavobacterium, Achromobacter, Vibrio - biochemical activities, antibiotic sensitivities.

MacKay, K.T. & G. Thomas (1969) 17-6M196
J.Fish.Res.Bd Can., 26(10):2769-71
First records of Ariomma bondi, Caranx crysos, and Selar crumenopthalmus (Pisces) in the Gulf of St. Lawrence

Canada - Atlantic coast. Ichthyological records. Meristic data. Geographic distribution.

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Biol.Bull.mar.biol.Lab.,Woods Hole, 137(2): 250-5
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USA - Pacific coast. Cancridae. Experiments. Eggs hatching, larval development - effect of different salinity and temperature.

Green, J.P. (1969) 17-6M198
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(2): 277-85
An autoradiographic analysis of melanogenesis fiddler crab, Uca pugnax (S.I. Smith)

USA - Atlantic coast. Ocypodidae. Experiments. Epidermis, melanin granules - incorporation, structure, size, distribution.

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The development of the androgenic glands of a protandric shrimp

USA - Pacific coast. Pandalus platyceros. Histology and cytology. Origin and evolution of glands. Cell developmental stages.

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Limnol.Oceanogr., 12(1):172-6
Egg production of Mercenaria mercenaria

England. Pelecypoda - Veneridae. Experiments. Spawning - total number of eggs by individual - relation to shell cavity volume.

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Mar.Biol., 4(3):224-6
The combined effects of salinity and temperature on larvae of the mussel Mytilus edulis

Adriatic Sea - Yugoslavia. Mytilidae. Experiments - tolerance limits, survival. growth.

Campbell, S.A. (1969) 17-6M202
Mar.Biol., 4(3):227-32
Seasonal cycles in the carotenoid content in Mytilus edulis

England. Mytilidae. Analytical data. Relation to phytoplankton bloom, sexual cycle, Mytilicola infestation, lack of food.

Pandian, T.J. (1970) 17-6M203
Mar.Biol., 5(1):1-17
Intake and conversion of food in the fish Limanda limanda exposed to different temperatures

Germany - Federal Republic - North Sea. Pleuronectidae. Feeding experiments. Feeding rate, conversion efficiency - effects of body weight, sex, food quality. Bioenergetics. Statistical correlations.

Radil-Weiss, T. & N. Kovačevič (1970) 17-6M204
Mar.Biol., 5(1):18-21
Influence of low temperature on the discharge mechanism of the electric fish Torpedo marmorata and T. ocellata

Yugoslavia - Adriatic Sea. Torpedinidae. Physiology - experiments with electric tissue.

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Mar.Biol., 5(1):77-82
Under-water sounds of the Japanese gurnard Chelidonichthys kumu

Japan. Dactylopteridae. Bioacoustics - experiments.

Lim, T.K. & S.S. Lee (1970) 17-6M206
Mar.Biol., 5(1):83-8
Electrophoretic studies on muscle myogens of some penaeid prawns

Malaysia. Penaeus, Metapenaeus, Parapeneopsis, Metapenaeopsis. Myogen patterns - taxonomic information.

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Mar.Biol., 5(1):89-95
The occurrence and effects of Mytilicola intestinalis in Mytilus edulis

England - English Channel. Mytilidae. Field observations and laboratory experiments. Development of parasite, maturity. Infestation conditions.

Moss, S.A. & W.N. McFarland (1970) 17-6M208
Mar.Biol., 5(2):100-7
The influence of dissolved oxygen and carbon dioxide on fish schooling behavior

USA - Pacific coast. Engraulis mordax. Experiments. Metabolism.

Graham, J.B. (1970) 17-6M209
Mar.Biol., 5(2):136-40
Preliminary studies on the biology of the amphibious clinid Mnierpes macrocephalus

Panama - Pacific coast. Clinidae. Ecology, adaptations. Laboratory and field observations.

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Mar.Biol., 5(2):154-67
Ecophysiological studies on the developing eggs and embryos of the European lobster Homarus gammarus

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Trans.Am.microsc.Soc., 86(4):463-71
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ASW - Bermuda islands. Pisces.
LZ 13(12)9025.

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Nature,Lond., 227(5260):848-9
In vitro conversion of DDT to DDD by the intestinal microflora of the northern anchovy, Engraulis mordax

USA - INE. Engraulidae. Toxicity - bioassay experiments. Bacteria and fungi activity - dechlorinating of DDT.

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Science, 169(3944):498-501
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USA - Pacific coast. Zalophus californianus. Behaviour - measurement of aerial and underwater visual acuity.

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Pacif.Sci., 24(4):494-505
A key to the genera of the ophichthid eels, with descriptions of two new genera and three new species from the Eastern Pacific

ISE. ETHADOPHIS gen nov, ETHADOPHIS byrnei and ETHADOPHIS merenda spp nov. LEUROPHARUS gen nov. LEUROPHARUS lasiops sp nov.
Issued also as: Contr.Scripps Instn Oceanogr.

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Boln Inst.Mar Perú, 1(8):380-503
Nuevos registros para la ictiofauna marina del Perù
(New records of marine ichthyofauna of Peru). En

ISE. Pisces - Myxinoidea, Selachii, Osteichthyes. Taxonomy, description, meristic and morphometric data. Geographical distribution. Vernacular names - Spanish and English.

Da Franca, P. (1969) 17-6M216
Notas Cent.Biol.aquát.trop.,Lisboa, (16):10 p.
Sobre a distribuição dos Trichiuridae (Pisces, Perciformes) que ocorrem na costa de Angola
(On the distribution of Trichiuridae (Pisces, Perciformes) on Angola coast).
Pr En Fr

ASE. PSW. Trichiurus, Benthodesmus, Lepidopus. Geographical bathymetric and ecological distribution.

Berry, P.F. (1969) 17-6M217
Crustaceana, 17(2):223-4
Occurrence of an external spermatophoric mass in the spiny lobster, Palinurus gilchrist (Decapoda, Palinuridea)

South Africa - ISW. External fertilization.

Ho, Ju-Shey (1970) 17-6M218
Crustaceana, 18(1):107-9
Systematic status of Eirgos anurus Bere, 1936, a caligoid copepod parasitic on the spade fish

USA - ASW. Copepoda parasitica on Chaetodipterus faber - taxonomy of parasite, occurrence.

Trask, T. (1970) 17-6M219
Crustaceana, 18(2):133-46
A description of laboratory-reared larvae of Cancer productus Randall (Decapoda, Brachyura) and a comparison to larvae of Cancer magister Dana. De

USA - INE. Cancridae. Zoeal and megalopa stages - morphological description.

Euzet, L. & E. Wahl (1970) 17-6M220
Bull.Inst.fondam.Afr.noire (A), 32(1):73-82
Parasites de poissons de mer ouest-africains, récoltés par J. Cadenat. 7. Sur un Monogène de Hymnis goreensis Cuv. et Val. (Téléostéens, Carangidae)
(Parasites of marine fishes from West Africa collected by J. Cadenat. 7. On a monogenean of Hymnis goreensis Cuv. et Val. (Teleosts, Carangidae)).
En

ASE - Senegal. Ichthyoparasitology. Pseudomazocraes monsivaisae - taxonomy, morphological description, geographical description.
Co 14-6M221.

Schevill, W.E., W.A. Watkins & C. Ray (1966) 17-6M221
Zoologica,N.Y., 51(10):103-6
Analysis of underwater Odobenus calls with remarks on the development and function of the pharyngeal pouches

USA. Pinnipedia. Bioacoustics - experiments in captivity.
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Zoologica,N.Y., 51(2):71-6
Sound structure and directionality in Orcinus (killer whale)

Canada. Cetacea. Bioacoustics - experiments in captivity.
Issued also as: Coll.Repr.Woods Hole oceanogr.Instn, (1787).

Arai, H.P. (1969) 17-6M223
J.Fish.Res.Bd Can., 26(9):2319-37
Preliminary report on the parasites of certain marine fishes of British Columbia

Canada - Pacific coast. Ichthyoparasitology - Clupeiformes, Gadiformes, Gasterosteiformes, Perciformes, Pleuronectiformes, Batrachoidiformes. Taxa of parasites - Monogenea, Digenea, Cestoda, Nematoda, Acanthocephala, Copepoda, Isopoda. Checklist of parasites with host species - incidence, intensity of infection.

Tsuyuki, H., E. Roberts & E.A. Best (1969) 17-6M224
J.Fish.Res.Bd Can., 26(9):2351-62
Serum transferrin systems and the hemoglobins of the Pacific halibut (Hippoglossus stenolepis)

INE. Pleuronectidae. Electrophoretic investigations. Data on phenotypic and genic composition, gene frequency - relation to age and sex of fish.

Levings, C.D. (1969) 17-6M225
J.Fish.Res.Bd Can., 26(9):2403-12
The zoarcid Lycodopsis pacifica in outer Burrard Inlet, British Columbia

Canada - Pacific coast. Zoarcidae. Geographic distribution and habitat. Ageing - otoliths. Size distributions - growth, mortality rates. Reproduction - gonads characteristics, maturity, spawning period. Sexual dimorphism. Food and feeding habits.

Stewart, J.E., J.W. Cornick & B.M. Zwicker (1969) 17-6M226
J.Fish.Res.Bd Can., 26(9):2503-10
Influence of temperature on gaffkemia, a bacterial disease of the lobster Homarus americanus

Canada. Atlantic coast. Homaridae. Experiments with infected lobsters. Survival rate.

MacKay, K.T. & E.T. Garside (1969) 17-6M227
J.Fish.Res.Bd Can., 26(9):2537-40
Meristic analyses of Atlantic mackerel, Scomber scombrus, from the North American coastal populations

Scombridae. Evidence of separate spawning regions.

Ivanov, V.N. (1969) 17-6M228
Dokl.biol.Sci., 187(1-6):507-9
The chromosomes of the Black Sea flatfish Rhombus maeoticus Pallas

En 16-6M617.

Galkina, L.A. (1970) 17-6M229
Dokl.Akad.Nauk SSSR, 191(6):1400-3
Effekt kratkovremennogo vozdeistviia presnoi vody na ikru morskoi sel'di v pervye chasy posle oplodotvoreniia
(Short-lived effect of fresh water upon the eggs of Clupea during the first hours upon fertilization)

USSR. Clupeidae. Embryology - experiments.

Schöne, H. & B-U. Budelmann (1970) 17-6M230
Nature,Lond., 226(5248):864-5
Function of the gravity receptor of Octopus vulgaris

Cephalopoda. Physiology - behavioural experiments. Statocyst function.

Graham, J.B. & R.H. Rosenblatt (1970) 17-6M231
Science, 168(3931):586-8
Aerial vision: Unique adaptation in an intertidal fish

ISE. Clinidae - Mnierpes macrocephalus. Eye morphology.

Izawa, K. (1967) 17-6M232
Rep.Fac.Fish.prefect.Univ.Mie, 6:29-40
On a new parasitic copepod, Taeniacanthus canthigasteri sp.n., found on Canthigaster rivulata (Crustacea, Cyclopoida, Bomolochidae)

Japan. Ichthyoparasitology - Tetrodontidae. Taxonomy of parasite - description.
ABA 1(6)Aq2867.

Cobb, J.S. (1968) 17-6M233
Am.Zool., 8:692
Delay of settling by the larvae of the American lobster, Homarus americanus

USA - Atlantic coast. Homaridae. Experiments. Moulting rate - effect of different substrata.
ABA 1(6)Aq2890.

Dando, M.R. & M.S. Laverack (1969) 17-6M234
Proc.R.Soc., 171:465-82
The anatomy and physiology of the posterior stomach nerve (psn) in some decapod Crustacea

Homarus, Palinurus, Cancer. Anatomical description. Physiological experiments.
ABA 1(6)Aq2891.

Laverack, M.S. & M.R. Dando (1968) 17-6M235
Z.vergl.Physiol., 61:176-95
Anatomy and physiology of mouthpart receptors in the lobster, Homarus vulgaris

Scotland. Homaridae.
ABA 1(6)Aq2892.

Lebedev, B.I. (1969) 17-6M236
Zool.Zh., 48:41-50
(Fundamental principles of the distribution of Monogenea and Trematoda of marine fishes).
Ru

World Ocean. Ichthyoparasitology. Zoogeography - regional correlation between number of parasite and host species.
ABA 1(6)Aq2833.

de Ciechomski, J.D. (1968) 17-6M237
Boln Inst.Biol.mar.,Mar d.Plata, (17): 28 p.
Huevos y larvas de tres especies de peces marinos Anchoa marinii, Brevoortia aurea y Prionotus nudigula de la zona de Mar del Plata
(Eggs and larvae of three species of marine fishes Anchoa marinii, Brevoortia aurea and Prionotus nudigula from the zone of Mar del Plata). En

PSW - Argentina. Engraulidae, Clupeidae, Triglidae. Laboratory experiment - embryonic development. Description of stages. Effect of temperature. Occurrence in plankton.

Boschi, E.E. (1969) 17-6M238
Boln Inst.Biol.mar.,Mar d.Plata, (18): 47 p.
Estudio biológico pesquero del camarón Artemesia longinaris Bate de Mar del Plata
(Study on fishery biology of the shrimp Artemesia longinaris Bate of Mar del Plata). En

PSW - Argentina. Penaeidae. Field investigations, laboratory and marking experiments. Distribution of species - habitat, catch. Biometrics - growth, sex ratio, length and weight relationships, mortality. Migrations. Food and trophic relations. Behaviour. Catch statistics. Fishery exploitation and development.

Angelescu, V. & M.B. Cousseau (1969) 17-6M239
Boln Inst.Biol.mar.,Mar d.Plata, (19): 78 p.
Alimentación de la merluza en la región del Talud Continental Argentino, época invernal (Merlucciidae, Merluccius merluccius hubbsi)
(Food and feeding of the hake in the region of Argentinian continental shelf, during the winter period (Merluccius merluccius hubbsi)). En De

PSW. Gadidae. Trophic spectrum and habitat - latitudinal and bathymetric variations, hydrological conditions. Diurnal migrations and shoal behaviour. Food components - geographical and ecological distribution, nutritive value, trophic equivalences.

Castello, J.P. & M.B. Cousseau (1969) 17-6M240
CARPAS Docum.téc., (14):16 p.
Estudios de edad y crecimiento de la anchoíta (Engraulis anchoita)
(Studies on the age and growth of the anchovy (Engraulis anchoita)). En Fr

PSW - Argentina. Engraulidae. Ageing by otoliths and scales. Biometrics - growth curves. Meristic data - vertebrae.

Vazzoler, A.A.E. de M. (1969) 17-6M241
CARPAS Docum.téc., (15):19 p.
Ictiofauna de la Bahía de Santos. 1. Sciaenidae (Percoidea, Percomorphi)
(The ichthyological fauna of the Bahía de Santos. 1. Sciaenidae (Percoidea, Percomorphi)). En Fr

ASW - Brazil. Taxonomy. Species - description, distribution, ecology. Keys to genera and species.

Kabata, Z. (1968) 17-6M242
J.nat.Hist., 2:497-504
Copepoda parasitic on Australian fishes. 7. SHIINOA occlusa gen. et sp. nov.

Australia - Queensland coast. Parasite on Scomberomorus commersoni - taxonomic description, occurrence.
Co 15-6M064.
ABA 1(6)Aq2864.

Kabata, Z. (1968) 17-6M243
J.nat.Hist., 2:505-23
Copepoda parasitic on Australian fishes. 8. Families Lernaeopodidae and Naeobranchidae

Ichthyoparasitology. Taxonomy of parasites. Host records, geographical distribution.
Co 17-6M242.
ABA 1(6)Aq2865.

Torchio, M. (1968) 17-6M244
Natura, Milano, 59:61-74
(Observations and remarks on the movements of some malacostracans in the Mediterranean). It

Western Mediterranean - Italy. Meganyctiphanes, Nyctiphanes, Lophogaster, Pasiphaea, Neptunus, Crangon, Palaemon. Vertical migrations - ecology. Massive strandings - effect of pollution.
ABA 1(6)Aq2899.

Maynard, D.M. & A. Sallee (1968) 17-6M245
Am.Zool., 8:742
Disruption of antennular function and feeding behaviour following removal of the medulla terminalis in spiny lobsters (Motion picture)

Atlantic Ocean - Bermuda Islands. Panulirus argus. Experiments.
ABA 1(6)Aq2908.

Tirmizi, N.M. (1969) 17-6M246
Crustaceana, 16:205-7
On the variation in the maxillule of the prawn Penaeus indicus H. Milne Edwards

Pakistan Penaeidae. Taxonomy.
ABA 1(6)Aq2910.

Tomita, K. (1968) 17-6M247
Scient.Rep.Hokkaido Fish exp.Stn, 9:56-61
(The testis maturation of the abalone, Haliotis discus hannai Ino in Rebun Island, Hokkaido, Japan). Ni

Gastropoda. Histology. Spermatogenesis stages - description. Spawning period.
ABA 1(6)Aq2929.

Webber, H.H. (1968) 17-6M248
Am.Zool., 8:769
Metabolism and gametogenesis in the black abalone, Haliotis cracheroidii

USA - Pacific coast. Gastropoda. Reproductive cycle - histology, gonad index, spawning. Foot gland metabolism - seasonal changes.
ABA 1(6)Aq2930.

Filippova, Iu.A. (1969) 17-6M249
Zool.Zh., 48:51-63
(The squid fauna (Cephalopoda, Decapoda) of the South Atlantic). Ru

PSW. Results of USSR cruise of R/V AKADEMIC KNIPOVICH. First record of Octopoteuthis sicula and Moroteuthis sp.
ABA 1(6)Aq2938.

Kuzin, A.Ye. (1969) 17-6M250
Zool.Zh., 48:303-4
(Fur seal twins (Callorhinus ursinus)).
Ru

INW. Pinnipedia. Biometric data.
ABA 1(6)Aq3001.

Gentry, R.L. (1968) 17-6M251
Am.Zool., 8:739
Territoriality and reproductive behaviour in male Steller sea lions

USA - Pacific coast. Eumetopias jubata. Breeding activities, season and sites.
ABA 1(6)Aq3007.

Corner, E.D.S., E.J. Denton & G.R. Forster (1969) 17-6M252
Proc.R.Soc., 171:415-29
On the buoyancy of some deep sea sharks

ANE - England. Centrophorus. Dalatias. Deania. Etmopterus. Hydrolagus. Oil content of liver.
ABA 1(6)Aq3033.

Svetovidov, A.N. (1968) 17-6M253
Zool.Zh., 47:1823-8
(The microscopic structure of the cerebellum of the navaga (Eleginus navaga) and the cod (Gadus morhua marisalbi) in relation to their mode of life). Ru

USSR. Gadidae. Number of Purkinje cells - specific differences.
ABA 1(6)Aq3101.

Randall, J.E. (1967) 17-6M254
Ichthyologica, 39:107-16
Ioglossus helenae, a new gobiid fish from the West Indies

ASW. Eleotridae. Taxonomic description. Distribution, habitat.
ABA 1(6)Aq3112.

Briggs, J.C. (1969) 17-6M255
Copeia, (4):774-8
The clingfishes (Gobiesocidae) of Panama

Pacific and Atlantic coasts. Arcos, Rimicola, Tomicodon. Taxonomic description and relationships. Zoogeographic considerations - Panama canal.

Miller, R.V. & J.W. Van Landingham (1969) 17-6M256
Copeia, (4):829-30
Additional procedures for effective enzyme clearing and staining of fishes

USA. Clupeidae. Carangidae. Methods and technique.

Johnson, C.R. (1969) 17-6M257
Copeia, (4):830-5
Contributions to the biology of the showy snailfish, Liparis pulchellus (Liparidae)

USA - Pacific coast. Biometric data - length/weight relationship. Maturity - eggs number. Food and feeding habitat. Sexual dimorphism.

Hulley, P.A. & R.E. Rau (1969) 17-6M258
Copeia, (4):835-9
A female Regalecus glesne from Cape Province, South Africa

PSW. Regalecidae. Distribution and seasonal frequence. Morphological description - occipital crest, pelvic and caudal fin rays, caudal vertebrae.

Andréu, B. (1969) 17-6M259
Investigación pesq., 33(2):425-607
Las branquispinas en la caracterización de las poblaciones de Sardina pilchardus (Walb.)
(The gill-rakers in the characterization of populations of Sardina pilchardus (Walb.)). En

ASE - Europe and northwestern Africa coasts. Western Mediterranean. Clupeidae. Taxonomy, geographic distribution - races. Biometrics - meristic and morphometric characters. Gill-rakers - morphology, growth - statistical correlations. Food and feeding mechanisms, trophic competition, speciation, evolution.

Sivasubramaniam, K. (1966) 17-6M260
Bull.Fish.Res.Stn Ceylon, 19:27-46
Distribution and length-weight relationships of tunas and tuna-like fishes around Ceylon

Ceylon. Thunnus, Katsuwonus, Euthynnus, Auxis, Sarda. Biometric analysis of landings.
ABA 1(6)Aq3143.

Simmons, D.C. (1969) 17-6M261
Spec.scient.Rep.trop.Atlant.biol.Lab.,Bur. comml Fish.(Fish.),Miami, Fla, 580:1-17
Maturity and spawning of skipjack tuna (Katsuwonus pelamis) in the Atlantic Ocean, with comments on nematode infestation of the ovaries

Thunnidae. Biological and biometric data - regional differences.
ABA 1(6)Aq3144.

Cisar, C.F. (1969) 17-6M262
Progve Fish Cult., 31:60-1
An aeration device for transporting live marine specimens

USA. Methods - technical description.
ABA 1(6)Aq3197.

Lindberg, G.U. & Z.V. Krasiukova (1969) 17-6M263
Opred.Faune SSSR, (99):479 p.
Ryby Iaponskogo moria i sopredel'nykh chastei Okhotskogo i Zheltogo morei. Chast' 3: Teleostomi. XXIX. Perciformes. 1. Percoidei (XC. Sem. Serranidae - CXLIV. Sem. Champsodontidae)
(Fishes of the Sea of Japan and the adjacent areas of the Sea of Okhotsk and the Yellow Sea. Part 3. Teleostomi. XXIX. Perciformes. 1. Percoidei (XC. Fam. Serranidae - CXLIV. Fam. Champsodontidae))

INW. Pisces. Taxonomy. Keys to sub-orders, families, genera and species. Description of species, geographical distribution. Selected bibliography.
CR 16-6M200.

Chapskogo, K.K. & M.Ia. Iakovenko (1967) 17-6M264
Trudy poliar.nauchno-issled.Inst.morsk.ryb. Khoz., (21):243 p.
Issledovaniia morskikh mlekopitaiushchikh (Investigations on marine mammals). En

USSR - Baikal Lake, Caspian Sea, ANE, PNW, INW. Fissipedia - Enhydra, Pinnipedia, Cetacea. Taxonomy, osteology - cranial morphology. Blood physiology. Biology - reproduction, mating, migrations. Exploitation - stocks, aerial surveys, catching, economics. Fur and skin characteristics. Parasites - helminthofauna.
Contains articles by: M.Ia. Iakovenko; M.Ia Iakovenko & Iu.I. Nazarenko; R.Sh. Khuzin; A.P. Shustov & A.V. Iablokov; K.K. Chapsky; Iu.I. Nazarenko; Iu.K. Timoshenko; V.D. Pastukhov; V.N. Karpovich, V.D. Kokhanov & I.P. Tatarinkova; S.V. Marakov; A.S. Sokolov; V.A. Potelov & O.Ch. Mikhnevich; N.I. Sergienko; V.V. Treshchev, V.A. Potelov & D.D. Zavaleeva; Iu.I. Nazarenko; S.V. Marakov; Iu.K. Timoshenko; A.M. Nikolaev.

Arseniev, V.A. & K.I. Panin (1968) 17-6M265
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 68:284 p.
Lastonogie severnoi chasti Tikhogo okeana
(Pinnipeds of the North Pacific)

INE, INW. Pinnipedia. Anatomy. Reproduction - gonadal and foetal development. Biology - growth, age, migrations, seasonal distribution. Tagging experiments. Ecology. Population dynamics - age structure, abundance, restoration. Stocks evaluation, exploitation, conservation. Industrialization - skin and pelage characteristics. Methodology.
Contains articles by: V.A. Arseniev; P.G. Nikulin; V.M. Kogai; D.I. Chugunkov; K.I. Panin & G.K. Panina; A.S. Perlov; A.A. Rovnin; A.E. Kuzin; V.F. Muzhchinkin; V.A. Bychkov; G.A. Nesterov; A.I. Zaguliaeva; V.K. Shulgin; V.V. Khromovskikh; G.A. Fedoseeva; V.I. Krylov; V.N. Goltsev; E.A. Tikhomirov; G.M. Kosygin; A.S. Sokolov, G.M. Kosygin & A.P. Shustov; G.M. Kosygin & A.P. Shustov.

Greenberg, M.J. (1970) 17-6M266
Comp.Biochem.Physiol., 33(2):259-94
A comparison of acetylcholine structure-activity relations on the hearts of bivalve molluscs

USA, Australia. Mytilus, Spisula, Tresus. Physiology.

Cholette, C., A. Gagnon & P. Germain (1970) 17-6M267
Comp.Biochem.Physiol., 33(2):333-46
Isosmotic adaptation in Myxine glutinosa L. 1. Variations of some parameters and role of the amino acid pool of the muscle cells

Canada - Atlantic coast. Myxinidae. Physiology - osmoregulation.

Hashimoto, T., Y. Katsuki & K. Yanagisawa (1970) 17-6M268
Comp.Biochem.Physiol., 33(2):405-21
Efferent system of lateral-line organ of fish

Japan. Astroconger myriaster. Physiology.

Hochachka, P.W. et al. (1970) 17-6M269
Comp.Biochem.Physiol., 33(3):529-48
The organization and control of metabolism in the crustacean gill

North Pacific - Alaska. Paralithodes camtchatica. Biochemistry. Pentose shunt activity, glycolysis. Krebs cycle.

Williams, E.E. (1970) 17-6M270
Comp.Biochem.Physiol., 33(3):655-61
Seasonal variations in the biochemical composition of the edible winkle Littorina littorea (L.)

England - North Sea coast. Gastropoda. Lipid and carbohydrate levels - seasonal variations, relation to growth and reproduction.

Desse, G. & M.-H. du Buit (1970)c 17-6M271
Paris, L'Expansion Scientifique, 71 p.
Diagnostic des pièces rachidiennes des Téléostéens et des chondrichthyons. 1. Gadides
(Diagnosis of rachidian bones of teleosts and salachians. 1. Gadoids)

North Atlantic, North Sea. Gadidae. Vertebral characters, ossification patterns - interspecific identification.

Crozier, G.F. (1969) 17-6M272
J.exp.mar.Biol.Ecol., 4(1):1-8
Effects of controlled diet on the morphological color change of a marine teleost

USA - Pacific coast. Pimelometopon pulchrum. Feeding experiments - carotenoid and carotenoid-free diet. Changes in chromatophore structure of skin - analytical data.

Edwards, R.R.C., J.H. Steele & A. Trevallion (1970) 17-6M273
J.exp.mar.Biol.Ecol., 4(2):156-73
The ecology of O-group plaice and common dabs in Loch Ewe. 3. Prey-predator experiments with plaice

Scotland. Pleuronectes platessa. Food supply, bioenergetics. Prey-predator ratios - growth, metabolism, food intake. Tellina - regeneration of siphons, cropping rate by predator. Trophic efficiency, food availability.
Co 15-6M734.

Steele, J.H. & R.R.C. Edwards (1970) 17-6M274
J.exp.mar.Biol.Ecol., 4(2):174-87
The ecology of O-group plaice and common dabs in Loch Ewe. 4. Dynamics of the plaice and dab populations

Scotland. Pleuronectes platessa, Limanda limanda. Settlement of young fish. Mortality. Growth rate. Food supply - energy intake. Trophic competition.
Co 17-6M273.

Grinols, R.B. & M.F. Tillman (1970) 17-6M275
Circ.U.S.Fish Wildl.Serv., (332):1-21
Importance of the worldwide hake, Merluccius, resource

Gadidae. Taxonomic status. Biology - schooling, migrations, reproduction, development, growth. Regional fisheries - catch methods, fishing grounds, management. World production - catch statistics.

Nelson, M.O. & H.A. Larkins (1970) 17-6M276
Circ.U.S.Fish Wildl.Serv., (332):23-33
Distribution and biology of Pacific hake: A synopsis

INE. ISE. Merluccius productus.
Distribution - geographic, bathymetric, differential. Maturity, fecundity. Development - egg, larvae. Migrations. Schooling. Interspecific relations. Population dynamics - growth, standing stock and yield estimates.

Alton, M.S. & M.O. Nelson (1970) 17-6M277
Circ.U.S.Fish Wildl.Serv., (332):35-42
Food of Pacific hake, Merluccius productus, in Washington and Northern Oregon coastal waters

USA - Pacific coast. Gadidae. Trophic ecology. Food organisms. Seasonal variations. Diurnal migrations. Food availability.

Kooyman, G.L., D.D. Hammond & J.P. Schroeder (1970) 17-6M278
Science, 169(3940):82-4
Bronchograms and tracheograms of seals under pressure

ISE. PSW. Mirounga angustirostris, Leptonychotes weddelli. Physiology - respiratory system, gas volume estimation.

Cohen, D.M. & D. Dean (1970) 17-6M279
Nature,Lond., 227(5254):189-90
Sexual maturity and migratory behaviour of the tropical eel, Ahlia egmontis

ASW. USA - Atlantic coast, Gulf of Mexico. Ophichthidae. Size distribution, sexual dimorphism - eye diameter.

Cox, J.L. (1970) 17-6M280
Nature,Lond., 227(5254):192-3
Accumulation of DDT residues in Triphoturus mexicanus from the Gulf of California

ISE. Pesticides contamination - analytical data.

Waxman, S.G. (1970) 17-6M281
Nature,Lond., 227(5255):283-4
Closely spaced nodes of Ranvier in the teleost brain

USA - Atlantic coast. Chilomycterus. Histology - electron microscopy.

Moser, H.G. & E.H. Ahlstrom (1970) 17-6M282
Bull.Los Ang.Cty Mus.nat.Hist.(Sci.), (7): 146 p.
Development of lanternfishes (family Myctophidae) in the California current. Part 1. Species with narrow-eyed larvae

USA - ISE. Biology, ecological distribution.

Klawe, W.L., J.J. Pella & W.S. Leet (1970) 17-6M283
Bull.inter-Am.trop.Tuna Commn, 14(4):507-44
The distribution, abundance and ecology of larval tunas from the entrance to the Gulf of California
Distribución, abundancia y ecología de atunes larvales a la entrada del Golfo de California

ISE. Thunnus, Euthynnus, Auxis. Larvae survey. Species composition and percentages. Environmental conditions - temperature, salinity, water masses, zooplankton. Statistical and biometrical data.

Beardsley, G.L.,Jr. (1969) 17-6M284
Trans.Am.Fish.Soc., 98(4):589-98
Proposed migrations of albacore, Thunnus alalunga, in the Atlantic Ocean

AN, AS, PSW. Thunnidae. Seasonal migrations - analysis of longline catch and effort data.
Issued also as: Contr.U.S.Bur.comml Fish. trop.Atlant.biol.Lab., (109).

Poole, J.C. (1969) 17-6M285
Trans.Am.Fish.Soc., 98(4):611-6
A study of winter flounder mortality rates in Great South Bay, New York

USA - ANW. Pseudopleuronectes americanus. Tagging experiments, recaptures. Survival, fishing and natural mortalities. Weight of population, maximum yield.

Lux, F.E. (1969) 17-6M286
Trans.Am.Fish.Soc., 98(4):617-21
Length-weight relationships of six New England flatfishes

USA - ANW. Limanda, Pseudopleuronectes, Hippoglossoides, Glyptocephalus, Paralichthys, Scophthalmus. Biometrical data.

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(Localisation of cholinesterases at the level of the nerve connection with the electric plate of the electric organ in Torpedo marmorata)

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(Studies on the metabolism of pentachlorophenate, a herbicide, in aquatic organisms. 1. Turnover of absorbed PCP in Tapes philippinarum). Ni En

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(Relation betweeen the growth of Rishiri-kombu, Laminaria ochotensis, and its free amino acid composition).
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(Acclimatation and growth of Gryphaea angulata Lmk. in some coastal regions of Italy). It En Fr

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ISE, ISFW. Key to spp. Distribution. Taxonomy. Descriptions. Evolutionary trends.

Pavlovskaya, R.M. (W.E. Ricker, Transl.)(1970) 17-6M366
Transln Ser.Fish.Res.Bd Can., (1505):11 p.
Principal causes of fluctuations in year-class strength of Black Sea anchovies

USSR. Engraulidae. Spawning stock, fecundity, food availability. Eggs and larval survival, abundance.
En 1963, R.V. Pavlovskaia.

Aronov, M.P. (1970) 17-6M367
Transln Fish.Lab.,Lowestoft, (95):10 p.
The role of the sense organs in the finding of food by the Black Sea whiting

USSR. Odontogadus merlangus euxinus. Experiments in tanks. Vision. Seismosensory sense. Smell. Taste.
En 1959, M.P. Aronov.

Mankevich, E.M. (1970) 17-6M368
Transln Fish.Lab.,Lowestoft, (89):4 p.
Methods of taking and reading the age samples of cod

En 16-6M162.

Zilanov, V.K. & V.G. Genchev (1968) 17-6M369
Ryb.Khoz., 44(1):9-11
Prognozirovanie proizvoditel'nosti promysla sel'di na Lofotenskom melkovod'e (Predicting the productivity of the herring fishery in the Lofoten shallows)

ANE. Clupea harengus. Age and size composition - statistical analysis.

Zilanov, V.K. & V.G. Genchev (W.E. Ricker, Transl.)(1970) 17-6M370
Transln Ser.Fish.Res.Bd Can., (1367):4 p.
Predicting the productivity of the herring fishery in the Lofoten shallows

En 17-6M369.

Trent, W.L. & R.D. Ringo (1969) 17-6M371
Contr.mar.Sci., 14:1-4
Variation in total length of fresh and preserved brown shrimp (Penaeus aztecus Ives) measured by two methods

USA, Texas - ASW. Penaeidae. Sampling, length changes. Measurement techniques, experimental data.
Issued also as: Contr.Bur.comml Fish.biol. Lab.Galveston,Tex., (271).

Cameron, J.N. (1969) 17-6M372
Contr.mar.Sci., 14:19-36
Growth, respiratory metabolism and seasonal distribution of juvenile pinfish (Lagodon rhomboides Linnaeus) in Redfish Bay, Texas

USA, Texas - ASW. Sparidae. Biometrics, physiology. Abundance, migrations. Length frequency, length and weight relationships, growth and metabolic rates. Environmental conditions.

Campbell, S.A. (1970) 17-6M373
Comp.Biochem.Physiol., 32(1):97-115
The carotenoid pigments of Mytilus edulis and Mytilus californianus

England - English Channel. USA - Pacific coast. Mytilidae - biochemistry. Occurrence of alloxanthin, mytiloxanthin, zeaxanthin, diatoxanthin, mutatoxanthin.

Cameron, J.N. (1970) 17-6M374
Comp.Biochem.Physiol., 32(2):175-92
The influence of environmental variables on the hematology of pinfish (Lagodon rhomboides) and striped mullet (Mugil cephalus)

USA - Gulf of Mexico. Sparidae, Mugilidae. Experiments - thermal acclimatation. Effect on hemoglobin concentration, erythrocytes volume, hematocrits. Respiration - blood oxygen capacity.

Nilsson, A. & R. Fänge (1970) 17-6M375
Comp.Biochem.Physiol., 32(2):237-50
Digestive proteases in the cyclostome Myxine glutinosa (L.)

Sweden. Myxinidae. Biochemistry - proteolytic and digestive enzymes.

Jones, B.W. & I.M. Mackie (1970) 17-6M376
Comp.Biochem.Physiol., 32(2):267-73
An application of electrophoretic analysis of muscle myogens to taxonomic studies in the genus Merluccius

ANE, ASE. Merluccius merluccius, Merluccius paradoxus, Merluccius capensis. Biochemistry - proteins, electrophoresis.

Nilsson, A. (1970) 17-6M377
Comp.Biochem.Physiol., 32(3):387-90
Gastrointestinal hormones in the holocephalian fish Chimaera monstrosa (L.)

Sweden - North Sea coast. Chimaeridae. Biochemistry - secretin, cholecystokinin, pancreozymin.

Komatsu, S.K. et al. (1970) 17-6M378
Comp.Biochem.Physiol., 32(3):519-27
Blood plasma proteins of cold-adapted Antarctic fishes

PSEW. Nototheniidae, Chaenichthydae. Biochemistry - proteins, transferrins, electrophoretic patterns.

Lang, F., A. Sutterlin & C.L. Prosser (1970) 17-6M379
Comp.Biochem.Physiol., 32(4):615-28
Electrical and mechanical properties of the closer muscle of the Alaskan king crab Paralithodes camtschatica

USA - Pacific coast, Alaska. Lithodidae. Electrophysiology.

D'Aoust, B.G. (1970) 17-6M380
Comp.Biochem.Physiol., 32(4):637-68
The role of lactic acid in gas secretion in the teleost swimbladder

USA - Pacific coast. Sebastodes miniatus. Physiology.

Djangmah, J.S. (1970) 17-6M381
Comp.Biochem.Physiol., 32(4):709-31
The effects of feeding and starvation on copper in the blood and hepatopancreas, and on blood proteins of Crangon vulgaris

England - Irish Sea coast. Crustacea Decapoda. Biochemistry. Metabolism, relation to moult cycle.

Djangmah, J.S. & D.J. Grove (1970) 17-6M382
Comp.Biochem.Physiol., 32(4):733-45
Blood and hepatopancreas copper in Crangon vulgaris (Fabricius)

England - Irish Sea coast. Crustacea Decapoda. Biochemistry.

DuPaul, W.D. & K.L. Webb (1970) 17-6M383
Comp.Biochem.Physiol., 32(4):785-801
The effect of temperature on salinity-induced changes in the free amino acid pool of Mya arenaria

USA - Atlantic coast. Myacidae. Amino acids - alanine, aspartic acid, ninhydrin positive substances. Salinity - osmoregulation.
Issued also as: Contr.Va Inst.mar.Sci., (331).

Scott, J.S. (1969) 17-6M384
Can.J.Zool., 47(1):139-40
Lampritrema nipponicum (Trematoda) from west Atlantic argentines

Ichthyoparasitology - Argentina silus.
New host and locality record.
HA 38(4)4470.

Brown, E.L. & W. Threlfall (1968) 17-6M385
Can.J.Zool., 46(6):1087-93
A quantitative study of the helminth parasites of the Newfoundland short-finned squid, Illex illecebrosus illecebrosus (LeSueur) (Cephalopoda: Decapoda)

ANW. Records of Cestoda - Phyllobothrium, Dinobothrium, Pelichnibothrium, Scolex, Nybellinia.
HA 38(4)4481.

Bikhovski, B.E. & L.F. Nagibina (1967) 17-6M386
Parazitologiia, 1(6):521-8
(New Capsalidae (Monogenoidea) from Pacific fish). Ru En

ISEW - South China Sea. Ichthyoparasitology - Platax, Epinephelus, Lutjanus.
Occurrence of Megalocotylinae - SPROSTONIELLA, MEGALOCOTYLOIDES, TRILOBIODISCUS. Taxonomy, description.
HA 38(4)4613.

Euzet, L. & A. Cauwet (1967) 17-6M387
Bull.Mus.natn.Hist.nat.,Paris(2e Sér.), 39(1):213-21
POLYLABRIS diplodi n.g., n.sp. (Monogenea, Microcotylidae) parasite de téléostéens du genre Diplodus (Sparidae)
(POLYLABRIS diplodi n.g., n.sp. (Monogenea, Microcotylidae) parasite on teleosts of genus Diplodus (Sparidae))

Western Mediterranean. Ichthyoparasitology. Taxonomy of parasite, description.
HA 38(4)4614.
:av

Calhoun, III, W.B. & V.L. Koenig (1970) 17-6M388
Comp.Biochem.Physiol., 34(1):71-80
The distribution of the soluble proteins in the lenses of some marine vertebrates

USA - California coast, Gulf of Mexico. Sphyrna, Centropristes, Epinephelus, Chilomycterus, Eschrichtius. Biochemistry - electrophoretic and sedimentation analysis. Proteins phylogeny.

Smith, A.C. (1970) 17-6M389
Comp.Biochem.Physiol., 34(1):101-8
Permeability of the eye lens capsule of the bigeye tuna to nuclear eye lens proteins

ISEW - Hawaii region. Thunnus, Katsuwonus, Coryphaena, Nototodarus. Biochemistry - albumins, globulins. Proteins phylogeny - interspecific comparison.

Nelson, G.J. (1970) 17-6M390
Comp.Biochem.Physiol., 34(1):109-16
The lipid composition of the blood of marine mammals. 1. Young elephant seals, Mirounga angustirostris and harp seals, Pagophilus groenlandicus

USA. Pinnipedia. Biochemistry - blood composition.

Somero, G.N. & K. Johansen (1970) 17-6M391
Comp.Biochem.Physiol., 34(1):131-6
Temperature effects on enzymes from homeothermic and heterothermic tissues of the harbor seal (Phoca vitulina)

INE. Pinnipedia. Biochemistry - enzymes. Temperature adaptation.

Pujol, J.P. et al. (1970) 17-6M392
Comp.Biochem.Physiol., 34(1):193-201
Comparative study of the amino acid composition of the byssus in some common bivalve molluscs

France. Mytilus, Modiolus, Pinna, Pinctada, Anomia, Congeria, Venerupsis. Biochemistry.

Decleir, W. & A. Richard (1970) 17-6M393
Comp.Biochem.Physiol., 34(1):203-11
A study of the blood proteins in Sepia officinalis L. with special reference to embryonic hemocyanin

France - English Channel. Cephalopoda. Biochemistry.

Mackay, W.C. & C.L. Prosser (1970) 17-6M394
Comp.Biochem.Physiol., 34(2):273-80
Ionic and osmotic regulation in the king crab and two other North Pacific crustaceans

INE. Paralithodes, Chionoecetes, Pandalus. Physiology - experiments.

Jensen, D. (1970) 17-6M395
Comp.Biochem.Physiol., 34(2):289-96
Intrinsic cardiac rate regulation in elasmobranchs: the horned shark, Heterodontus francisci, and thornback ray, Platyrhinoidis triseriata

USA - Pacific coast. Heterodontidae, Discobatidae. Electrophysiology - cardiac control, heart rate, blood pressure.

Kerr, M.S. (1970) 17-6M396
Comp.Biochem.Physiol., 34(2):301-8
Chromatographic isolation of crustacean hemocyanins

USA - Atlantic coast. Callinectes, Gecarcinus, Libinia. Biochemistry - hemolymph composition.

McCutcheon, F.H. (1970) 17-6M397
Comp.Biochem.Physiol., 34(2):339-44
Stimulation, control and phylogenetic projection of the teleostean yawn reflex

USA. Lutjanus aya, Promicrops itaiara. Physiology.

Staaland, H. (1970) 17-6M398
Comp.Biochem.Physiol., 34(2):355-65
Volume regulation in the common whelk, Buccinum undatum L.

Norway - North Sea coast. Gastropoda. Physiology - osmoregulation, effect on amino acids.

Newell, R.C. & V.I. Pye (1970) 17-6M399
Comp.Biochem.Physiol., 34(2):367-83
Seasonal changes in the effect of temperagure on the oxygen consumption of the winkle Littorina littorea (L.) and the mussel Mytilus edulis L.

England - English Channel. Littorinidae, Mytilidae. Physiology - experiments. Metabolism. Thermal tolerance.

Newell, R.C. & V.I. Pye (1970) 17-6M400
Comp.Biochem.Physiol., 34(2):385-97
The influence of thermal acclimation on the relation between oxygen consumption and temperature in Littorina littorea (L.) and Mytilus edulis L.

England - English Channel. Littorinidae, Mytilidae. Physiology - experiments. Metabolism. Thermal tolerance.

Lebedev, B.I. (1967) 17-6M401
Parazitologiia, 1(6):529-34
(Two new monogeneans of the genus Encotyllabe Diesing, 1850 from percomorphiiformes of the New Zealand Australian shelf). Ru En

PSE. Ichthyoparasitology - Caranx lutescens, Latris forsteri. Taxonomy of parasites, description.
HA 38(4)4620.

Feng, S.Y., E.A. Khairallah & W.J. Canzonier (1970) 17-6M402
Comp.Biochem.Physiol., 34(3):547-56
Hemolymph-free amino acids and related nitrogenous compounds of Crassostrea virginica infected with Bucephalus sp. and Minchinia nelsoni

USA - Pacific coast. Ostreidae. Pathology, metabolism, nonprotein nitrogenous compounds. Effect of infection with Haplosporidia and Digenea.
Issued also as: Contr.mar.Res.Lab.Univ.Conn., (63).

Zagalsky, P.F., H.J. Ceccaldi & R. Daumas (1970) 17-6M403
Comp.Biochem.Physiol., 34(3):579-607
Comparative studies on some decapod crustacean carotenoproteins

France - Western Mediterranean coast. Aristeus. Palinurus. Scyllarus. Homarus. Clibanarius. Galathea. Eriphia. Pachygrapsus. Biochemistry of exoskeleton. Blue and purple carotenoproteins - physical and chemical properties, amino acid composition.

McCabe, M.M. & D.M. Dean (1970) 17-6M404
Comp.Biochem.Physiol., 34(3):671-81
Esterase polymorphisms in the skipjack tuna Katsuwonus pelamis

USA - ASW. Thunnidae. Biochemistry, electrophoresis. Characteristic of natural population - genetic variations of tissue esterases.

Spener, F. & D.M. Sand (1970) 17-6M405
Comp.Biochem.Physiol., 34(3):715-9
Neutral alkoxylipids and wax esters of mullet (Mugil cephalus) Roe

USA - Gulf of Mexico coast. Mugilidae. Biochemistry. Occurrence of alk-1-enyl diglycerides and alkyl diglycerides.

McCabe, M.M., D.M. Dean & C.S. Olson (1970) 17-6M406
Comp.Biochem.Physiol., 34(3):755-7
Multiple forms of 6-phosphogluconate dehydrogenase and alpha-glycerophosphate dehydrogenase in the skipjack tuna, Katsuwonus pelamis

USA - ASW. Thunnidae. Biochemistry, electrophoresis. Enzymes, variations - genetic schemes.

Johnson, P.O. (1970) 17-6M407
Fishery Invest.,Lond.(II), 26(4):77 p.
The wash sprat fishery

England - North Sea coast. Clupeidae. Fishing grounds. Fishing methods - vessels, gear. Catch statistics - effort. Population structure, growth, mortality, recruitment, sexual maturity.

Walne, P.R. (1970) 17-6M408
Fishery Invest.,Lond.(II), 26(5):62 p.
Studies on the food value of nineteen genera of algae to juvenile bivalves of the genera Ostrea, Crassostrea, Mercenaria and Mytilus

England. Ostreidae, Veneridae, Mytilidae. Feeding experiments - unialgal diets, effect on growth.

Forster, J.R.M. (1970) 17-6M409
Fishery Invest.,Lond.(II), 26(6):40
Further studies on the culture of the prawn, Palaemon serratus Pennant, with emphasis on the post-larval stages

England. Palaemonidae. Biometrics and bioenergetics - experiments in tanks. Physical environment - light, temperature, salinity, water flow. Food requirements, conversion efficiency. Growth rate. Behaviour, cannibalism. Larval and juveniles rearing - survival.

Barton, R. (1970) 17-6M410
Hydrospace, 3(1):26-8
Marine fish farming

Scotland - ANE. Pleuronectes, Solea - hatching and rearing experiments.

De Groot, S.J., R. Norde & F.J. Verheijen (1969) 17-6M411
Neth.J.Sea Res., 4(3):339-49
Retinal stimulation and pattern formation in the common sole Solea solea (L.) (Pisces: Soleidae)

Netherlands. Chromatic behaviour, pigmentation of skin - experiments.

Nekrasov, V.V. (1969) 17-6M412
Probl.Ichthyol., 9(2):159-67
Revision of the species of Decapterus (family Carangidae, order Perciformes) found in the Indian Ocean

ISW. Decapterus normani, Decapterus kiliche, Decapterus macarellus, Decapterus russelli. Descriptions, key to species, distribution and taxonomy.

Permitin, Yu.Ye. (1969) 17-6M413
Probl.Ichthyol., 9(2):167-81
New data on species composition and distribution of fishes in the Scotia Sea, Antarctica (second communication)

PSEW. Rajidae, Muraenolepis, Moridae, Gadidae, Nototheniidae, Artedidraco, Gerlachia, Chaenichthyidae, Zoarcidae, Liparidae, Paralepididae, Anatopteridae, Melamphaidae, Trichiuridae, Centrolophidae.

Zver'kova, L.M. (1969) 17-6M414
Probl.Ichthyol., 9(2):205-9
Spawning of the Alaskan pollack (Theragra chalcogramma (Pallas)) in the waters of the west coast of Kamchatka

INW. Spawning and postspawning migrations - distribution, spawning, fecundity and sex ratio.

Limanskiy, V.V. (1969) 17-6M415
Probl.Ichthyol., 9(2):286-9
Erythrocyte antigens of Atlantic anchovies on the west coast of Africa

ASE. Gulf of Guinea and Walvis Bay.

Gupta, A.N. (1968) 17-6M416
J.Helminth., 42(3/4):283-8
On three new species of Opistholebes (Opistholebetidae Fukui, 1929) from the globe fish, Tetraodon viridipunctatus (Gunther) from India

ISW. Ichthyoparasitology - Tetrodontidae. Taxonomy of parasites, description, key to species.
HA 38(4)4643.

Madhavi, R. & K.H. Rao (1968) 17-6M417
Curr.Sci., 37(24):702-3
Metacercaria of Galactosomum puffini Yamaguti, 1941 (Trematoda: Heterophyidae) from marine fishes of Waltair Coast, Bay of Bengal

ISW - India. Ichthyoparasitology - Sardinella, Stolephorus, Dussumieria.
HA 38(4)4663.

Goldstein, R.J., R.N. Henson & F.G. Schlicht (1968) 17-6M418
Zool.Anz., 181(5/6):435-8
Acanthobothrium lintoni sp.n. (Cestoda: Tetraphyllidea) from the electric ray, Narcine brasiliensis (Olfers) in the Gulf of Mexico

ASW - USA coast. Ichthyoparasitology - Torpedinidae. Taxonomy of parasite, description, geographical range.
HA 38(4)4716.

Mukherjee, R.P. (1966) 17-6M419
J.zool.Soc.India, 1963, 15(1/2):76-8
On a new nematode from the ovary of Indian fishes

Ichthyoparasitology - Polynemus, Sciaena. Occurrence of Philometra - taxonomy description.
HA 38(4)4829.

Skryabin, A.S. (1966) 17-6M420
Trudy ukr.respubl.nauch.Obshch.Parazit., 5:100-7
(Crassicauda delamureana n.sp. from the sei whale). Ru En

Antarctic Ocean. Nematoda on Balaenoptera borealis - taxonomy, description.
HA 38(4)4856.

Vicente, J.J. & E. Dos Santos (1968) 17-6M421
Atas Soc.Biol.Rio de J., 12(2):55-6
Terceira espécie do gênero Tonaudia Travassos, 1918 (Nematoda, Kathlaniidae)
(The third species of the genus Tonaudia Travassos, 1918 (Nematoda, Kathlaniidae)).
Pr

Brazil. Occurrence in Chelonia midas - taxonomy of parasite, description.
HA 38(4)4876.

Calabrese, A. (1969) 17-6M422
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(3):417-28
Individual and combined effects of salinity and temperature on embryos and larvae of the coot clam, Mulinia lateralis (Say)

USA, Connecticut - ANW. Pelecypoda, Mactridae. Eggs and larvae development - laboratory experiments. Tolerance limits, survival, growth.
Issued also as: Contr.mar.Res.Lab.Univ. Conn., (59).

Rudy, P.P. & R.C. Wagner (1970) 17-6M423
Comp.Biochem.Physiol., 34(2):399-403
Water permeability in the Pacific hagfish Polistotrema stouti and the staghorn sculpin Leptocottus armatus

INE, USA - Oregon coast. Myxinidae, Cottidae. Physiology - experiments. Osmoregulation, evolutionary significance.

Holeton, G.F. (1970) 17-6M424
Comp.Biochem.Physiol., 34(2):457-71
Oxygen uptake and circulation by a hemoglobinless Antarctic fish (Chaenocephalus aceratus Lonnberg) compared with three red-blooded Antarctic fish

PSEW - Signy Island. Chaenichthyidae. Nototheniidae. Physiology - experiments. Respiratory metabolism - breathing rate, pressure - hypoxia. Blood pressure, heart rate, cardiac output. Gradient water to blood, gradient blood to tissues.

Edwards, R.R.C. et al. (1970) 17-6M425
Comp.Biochem.Physiol., 34(2):491-5
A comparison of standard oxygen consumption of temperate and tropical bottom-living marine fish

ANE - Scotland, ISW - India. Pleuronectes, Cynoglossus, Cottus, Halophryne. Physiology - experiments. Respiratory metabolism.

Motais, R. (1970) 17-6M426
Comp.Biochem.Physiol., 34(2):497-501
Effect of actinomycin D on the branchial Na-K dependent ATPase activity in relation to sodium balance of the eel

France - Western Mediterranean. Anguilla anguilla. Physiology - experiments. Osmoregulation, ionic regulation, sodium transport.

Baardseth, E. (1970) 17-6M427
FAO Fish.Synops., (38):pag.var.
Synopsis of biological data on knobbed wrack Ascophyllum nodosum (Linnaeus) Le Jolis

ANW. ANE. Fucaceae - biological synopsis. Taxonomy and morphology. Geographical and ecological distribution. Metabolism - nutrition, growth. Life cycle - generations, reproduction, phenology. Population - structure, density, mortality, biomass. Harvesting - techniques, seasons, yields. Protection and management. Utilization - food, fodder, manure, industrial products. Selected bibliography.
NE 14-4M128.

Reikh, E.M. (1969) 17-6M428
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:310-6
Pitanie molodi bychka-krugliaka v Obitochnom zalive Azovskogo moria
(Feeding habits of young goby (Neogobius melanostomus) in the Obitochng Bay of Azov Sea)

USSR. Gobiidae. Trophic ecology - food items, quantitative distribution. Variations - by age groups and season.

Reikh, E.M. (1969) 17-6M429
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:317-25
Pitanie molodi bychka-sirmana v Azovskom more
(Feeding habits of young goby (Neogobius syrman) in the Azov Sea)

USSR. Gobiidae. Trophic ecology - food items, quantitative distribution. Variations - by age groups and season.

Vinogradov, L.G. (1969) 17-6M430
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:337-44
O mekhanizme vosproizvodstva zapasov Kamchatskogo kraba (Paralithodes camtschatica) v Okhotskom more u zapadnogo poberezh'ia Kamchatki
(On reproduction mechanism in the stock of Kamchatka crab (Paralithodes camtschatica) off Western Kamchatka in the Okhotsk Sea)

USSR - INW. Lithodidae. Geographic subpopulations - size composition, spawning, hatching of larvae.
FIRS:av

Chekunova, V.I. (1969) 17-6M431
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:345-52
Granitsy migratsionnykh raionov Kamchatskogo kraba u zapadnogo poberezh'ia Kamchatki
(Boundaries of migratory areas in the Kamchatka crab off Western Kamchatka)

USSR - INW. Paralithodes camtschatica. Seasonal migrations - route, range.

Chekunova, V.I. (1969) 17-6M432
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:353-67
Raiony vesennego raspredeleniia Kamchatskogo kraba
(The areas of spring distribution of the Kamchatka crab)

USSR - INW. Paralithodes camtschatica. Seasonal migrations, fishing grounds - biostatistics, statistical subareas. Subpopulations.

Rodin, V.E. (1969) 17-6M433
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:368-77
Osobennosti raspredeleniia skoplenii Kamchatskogo kraba u zapadnogo poberezh'ia Kamchatki
(Distribution of Kamchatka crab off Western Kamchatka)

USSR - INW. Paralithodes camtschatica. Migrations. Fishing grounds, catch regulation.

Lavrent'ev, M.M. (1969) 17-6M434
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:378-81
Chislennost' samok Kamchatskogo kraba u zapadnogo poberezh'ia Kamchatki
(The numerical strength of females of Kamchatka crab off Western Kamchatka)

USSR - INW. Paralithodes camtschatica. Size composition, statistical analysis.

Chekunova, V.I. (1969) 17-6M435
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:382-5
Metodika polucheniia syvorotki krovi Kamchatskogo kraba
(Methods of obtaining serum from the Kamchatka crab)

USSR - INW. Paralithodes camtschatica. Serology - methods.

Folsom, T.R., R. Grismore & D.R. Young (1970) 17-6M436
Nature,Lond., 227(5261):941-3
Long-lived $\gamma$-ray emitting nuclide silver-108m found in the Pacific marine organisms and used for dating

ISEW, INE, ISE. Thunnus, Neothunnus, Stenoteuthis, Panulirus, Volsella. Radiobiology.

Lythgoe, J.N. & H.J.A. Dartnall (1970) 17-6M437
Nature,Lond., 227(5261):955-6
A "deep sea rhodopsin" in a mammal

PSEW - South Orkney Islands. Mirounga, Leptonychotes. Visual organ, retinal pigments - absorbance spectra, interspecific variation.

Johnston, D.G. & S.H. Ridgway (1969) 17-6M438
J.Am.vet.med.Ass., 155(7):1064-72
Parasitism in some marine mammals

USA, California - INE, ISE. Otariidae, Delphinidae, Delphinapteridae - occurrence of Placentonema, Stenurus, Braunina, Phyllobothrium, Contracaecum, Parafilaroides. HA 39(2)1380.

Dolgikh, A.V. & N.N. Naidenova (1968) 17-6M439
Parazitologiia, 2(5):448-53
(Helminth fauna of Gaidropsarus mediterraneus from the Black Sea). Ru En

USSR. Ichthyoparasitology - Gadidae. HA 39(2)1423.

Nikolaeva, V.M. (1968)C 17-6M440
In (Studies of Central American seas), Z.B. Iankovskaia, Ed. Kiev, Naukova Dumka, No. 2, pp. 150-7
(Study of the helminth fauna of Thunnus albacores and Histiophoridae in the Gulf of Mexico). Ru En Es

ASW. Ichthyoparasitology - Thunnus, Makaira, Histiophorus. Specific infection incidence.
HA 39(2)1435.

Nikolaeva, V.M. & A.M. Parukhin (1968) 17-6M441
In (Studies of Central American seas), Z.B. Iankovskaia, Ed. Kiev, Naukova Dumka, No. 2, pp. 126-49
(Study of the helminths of fish in the Gulf of Mexico). Ru En Es

ASW. Ichthyoparasitology. Specific infection incidence - Monogenea, Digenea, Cestoidea, Acanthocephala, Nematoda. New host records.
HA 39(2)1436.

Caballero y C., E. & M. Bravo-Hollis (1967) 17-6M442
An.Inst.Biol.Univ.Méx.(Zool.), 38(1):27-34
Monogenea (van Beneden, 1858) Carus, 1863, de peces marinos del litoral mexicano del Golfo de México y del Mar Caribe. 3.
(Monogenea (van Beneden, 1858) Carus, 1863, from marine fish of the Mexican littoral of the Gulf of Mexico and Caribbean Sea. 3.). En Fr

Ichthyoparasitology - Caranx hippos. Taxonomy of parasites, morphological description.
HA 39(2)1496.

Lamothe-Argumedo, R. (1967) 17-6M443
An.Inst.Biol.Univ.Méx.(Zool.), 38(1):35-46
Monogéneos de peces. 5. Redescripción de Tagia ecuadori (Meserve, 1938) Sproston, 1946
(Monogenea from fish. 5. Redescription of Tagia ecuadori (Meserve, 1938) Sproston, 1946). En

Mexico - ISE. Ichthyoparasitology - Cheilichthys annulatus. Parasite geographic range. Taxonomy - diagnosis.
Co 17-6M444.
HA 39(2)1500.

Lamothe-Argumedo, R. (1967) 17-6M444
An.Inst.Biol.Univ.Méx.(Zool.), 38(1):47-58
Monogéneos de peces. 4. Descripción de BRAVOCOTYLE sanblasensis gen. nov., sp. nov. (Diclidophoridae) parásito de las branquias de Cynoscion xanthulus (Sciaenidae) de la costa pacífica mexicana
(Monogenea from fish. 4. Description of BRAVOCOTYLE sanblasensis n.g., n.sp. (Diclidophoridae) parasite on the gills of Cynoscion xanthulus (Sciaenidae) of the Mexican Pacific coast). En

ISE. Ichthyoparasitology. Taxonomy of parasite - morphological description - key to genera of Diclidophorinae.
Co 14-6M009.
HA 39(2)1501.

Van Der Land, J. & H. Dienske (1968) 17-6M445
Zool.Meded.,Leiden, 43(8):97-105
Two new species of Gyrocotyle (Monogenea) from chimaerids (Holocephali)

ANE, INE. Ichthyoparasitology - Chimaera, Hydrolagus. Taxonomy of parasite, morphological description.
HA 39(2)1502.

Lebedev, B.I. (1969) 17-6M446
Parazitologiia, 3(2):149-57
(Discorrelative-symmetrical heterotopy of the organs in the monogenean Pentatres sphyraenae). Ru En

ISW - Red Sea. Ichthyoparasitology - Sphyraena tessera. Speciation of parasite, morphological description.
HA 39(2)1503.

Nagibina, L.F. (1968) 17-6M447
Parazitologiia, 2(4):289-93
(BYCHOWSKYA drepane n.g., n.sp., a new member of Calceostomatidae (Monogenoidea)).
Ru En

ISEW - South China Sea. Ichthyoparasitology - Drepane punctata. Taxonomy of parasite - morphological description of adult, egg and free-living larva.
HA 39(2)1505.

Trott, L.B. (1970) 17-6M448
Univ.Calif.Publ.Zool., 89:41 p.
Contributions to the biology of carapid fishes (Paracanthopterygii: Gadiformes)

ASW, ISEW. Ecology. Morphology. Systematics. Descriptions. Behaviour. Symbiotic relationships with echinoderms. Echiodon exsilium, Carapus bermudensis, Carapus dubius, Carapus homei, Carapus mourlani, Carapus parvipinnis. Jordanicus gracilis. Encheliophis jordani.

Young, P.C. (1969) 17-6M449
J.Helminth., 43(1/2):223-54
Some monogenoideans of the family Diplectanidae Bychowsky, 1957 from Australian teleost fishes

PSE, ISEW. Ichthyoparasitology - Epinephelus, Plectropomus, Lethrinus, Sillago, Therapon, Sphyraena. Taxonomy of parasites, morphological description - LATERICAECUM, MONOPLECTANUM.
HA 39(2)1515.

Dolgikh, A.V. & N.N. Naidenova (1968) 17-6M450
Zool.Zh., 47(11):1717-9
(Some comments on the trematodes of the family Gorgoderidae with description of a new species). Ru En

USSR - Black Sea. Ichthyoparasitology - Crenilabrus tinca, Crenilabrus griseus. Taxonomy of parasites.
HA 39(2)1526.

Durio, W.O. & H.W. Manter (1969) 17-6M451
J.Parasit., 55(2):293-300
Some digenetic trematodes of marine fishes of New Caledonia. 3. Acanthocolpidae, Haploporidae, Gyliauchenidae and Cryptogonimidae

ISEW. Ichthyoparasitology - Epinephelus, Lutjanus, Naso, Chanos, Siganus. Taxonomy of parasites, morphological description.
HA 39(2)1528.

Fischthal, J.H. & J.D. Thomas (1969) 17-6M452
J.Helminth., 43(1/2):11-30
Digenetic trematodes of marine fishes from Ghana: family Monorchiidae

ASE. Ichthyoparasitology - Ophichtus, Pomadasys, Lethrinus, Synaptura. Taxonomy of parasites, morphological description.
HA 39(2)1535.

Mamaev, Iu.L. (1968)C 17-6M453
In (Papers on helminthology presented to Academician K.I. Skryabin on his 90th birthday), Moskva, Izdat.Akad.Nauk SSSR, pp. 239-43
(Evaluation of up-to-date classification systems of Monorchidae). Ru

ISEW - South China Sea. Ichthyoparasitology. Taxonomy of parasites - new classification systems.
HA 39(2)1546.

Oshmarin, P.G. (1968)C 17-6M454
In (Papers on helminthology presented to Academician K.I. Skryabin on his 90th birthday), Moskva, Izdat.Akad.Nauk SSSR, pp. 272-4
(A new trematode family Mediolecithidae and MEDIOLECITHUS pacificus n.g., n.sp. from Lamna cornubica). Ru

USSR - INW. Ichthyoparasitology - Lamnidae. Taxonomy of parasite, morphological description.
HA 39(2)1552.

Campbell, R.A. (1969) 17-6M455
J.Parasit., 55(3):559-70
New species of Acanthobothrium (Cestoda: Tetraphyllidea) from Chesapeake Bay, Virginia

USA - ANW. Ichthyoparasitology - Dasyatis americana, Raja eglanteria. Taxonomy of parasites. Key to species of genus, incidence of infection.
HA 39(2)1576.

Carvajal, G., J. & R.J. Goldstein (1969) 17-6M456
Zool.Anz., 182(5/6):432-5
Acanthobothrium psammobati sp.n. (Cestoda: Tetraphyllidea: Onchobothriidae) from the skate, Psammobatis scobina (Chondrichthyes: Rajidae) from Chile

ISE. Ichthyoparasitology. Taxonomy of parasite, morphological description.
HA 39(2)1577.

Delyamure, S.L. (1968) 17-6M457
Parazitologiia, 2(4):317-21
(The occurrence of Diphyllobothrium stemmacephalum (Cobbold, 1858) in waters of the USSR). Ru En

Black Sea. Cestoda parasiting Phocena phocaena. Taxonomy of parasite, redescription.
HA 39(2)1579.

Delyamure, S.L. & A.S. Skriabin (1968) 17-6M458
In (Papers on helminthology presented to Academician K.I. Skriabin on his 90th birthday), Moskva, Izdat.Akad.Nauk SSSR, pp. 159-66
(Origin and taxonomic position of diphyllobothriids with double and multiple gonads). Ru

World ocean. Cestoda parasiting Mammalia. Morphological description of parasites - new taxonomic classification.
HA 39(2)1580.

Schmidt, G.D. (1969) 17-6M459
J.Parasit., 55(2):271-5
DIOECOTAENIA cancellata (Linton, 1890) gen. et comb.n., a dioecious cestode (Tetraphyllidea) from the cow-nosed ray, Rhinoptera bonasus (Mitchell), in Chesapeake Bay, with the proposal of a new family, Dioecotaeniidae

USA - ANW. Ichthyoparasitology - Myliobatidae. Taxonomy of parasite, morphological description.
HA 39(2)1603.

Mudry, D.R. & M.D. Dailey (1969) 17-6M460
Proc.helminth.Soc.Wash., 36(2):280-4
Phlyctainophora squali sp.nov. (Nematoda, Philometridae) from the spiny dogfish, Squalus acanthias

USA - INE. Ichthyoparasitology - Squalidae. Taxonomy of parasite - genus revision, morphological considerations.
HA 39(2)1655.

Naidenova, N.N., A.V. Dolgikh & V.M. Nikolaeva (1969) 17-6M461
Dopov.Akad.Nauk ukr.RSR(B), (4):362-4
(Ascarophis prosper n.sp. from fish in the Black Sea). Uk En

USSR. Ichthyoparasitology - Gaidropsaurus, Gobius. Taxonomy of parasite, morphological description.
HA 39(2)1657.

Schmidt, G.D. & R.E. Kuntz (1969) 17-6M462
Parasitology, 59(2):389-96
Nematode parasites from Oceanica. 5. Four new species from fishes of Palawan, P.I., with a proposal for OCEANICUCULLANUS gen. nov.

ISEW. Ichthyoparasitology - Caranx, Gazza, Thysanophrys, Lutjanus, Euthynnus, Puntius. Taxonomy of parasites, morphological description.
HA 39(2)1668.

Skriabin, A.S. (1969) 17-6M463
Parazitologiia, 3(3):258-65
(A new trematode Crassicauda costata n.sp., a parasite of the southern whale). Ru En

AS, PSW. Eubalaena australis. Taxonomy of parasite, morphological description.
HA 39(2)1671.

Halvorsen, O. & H.H. Williams (1968) 17-6M464
Nytt Mag.Zool., 15:130-42
Studies of the helminth fauna of Norway. 9. Gyrocotyle (Platyhelminthes) in Chimaera monstrosa from Oslo Fjord, with emphasis on its mode of attachment and a regulation in the degree of infection

ANE. Ichthyoparasitology - Chimaeridae.
HA 39(2)1922.

Zijlstra, J.J. (1969) 17-6M465
J.Cons.perm.int.Explor.Mer, 33(1):67-80
On the "racial" structure of North Sea autumn-spawning herring

Netherlands - North Sea, ANE. Clupea harengus. Vertebral counts, keeled scales, $l_1$ values, otolith-type, egg-size - statistical analysis.

Roe, H.S.J. (1969) 17-6M466
J.Cons.perm.int.Explor.Mer, 33(1):93-102
The food and feeding habits of the sperm whales (Physeter catodon L.) taken off the west coast of Iceland

ANE. Cetacea. Demersal fish as principal food.

Blacker, R.W. (1969) 17-6M467
J.Cons.perm.int.Explor.Mer, 33(1):107-8
Chemical composition of the zones in cod (Gadus morhua L.) otoliths

England. Gadidae. Presence of organic matter in hyaline zones.

Johnson, M.W. & P.B. Robertson (1970) 17-6M468
Crustaceana, 18(3):283-92
On the phyllosoma larvae of the genus Justitia (Decapoda, Palinuridae). De

ISEW - Philippines, Moluccas. Crustacea. Larval stages - morphological description, comparison with Atlantic species.

Tirmizi, N.M. (1970) 17-6M469
Crustaceana, 18(3):312-4
Ixa holthuisi n.sp., a new species of crab from the northern Arabian Sea (Decapoda, Brachyura, Oxystomata). De

Pakistan - ISW. Crustacea. Taxonomy, morphological description.

Stallworthy, W.B. (1970) 17-6M470
J.mar.biol.Ass.U.K., 50(2):349-63
Electro-osmosis in squid axons

ANW. Loliginidae. Electrophysiology - experiments. Statistical analysis of data.

Morton, B. (1970) 17-6M471
J.mar.biol.Ass.U.K., 50(2):499-512
The tidal rhythm and rhythm of feeding and digestion in Cardium edule

UK, England - ANE. Cardiidae.
Physiology, behaviour - discontinuous feeding. Experiments in aquarium with tidal machine.

Murata, M. & H. Araya (1970) 17-6M472
Bull.Hokkaido Fish.Res.Lab., (36):1-17
(Ecological studies on squid, Todarodes pacificus Steenstrup, in the waters off the north-east coast of Hokkaido in 1968).
Ni En

INW, north-east coast Hokkaido. Tagging experiments and migration, distribution in relation to temperature, feeding. Ommastrephes bartrami, Gonatopsis borealis, Onychoteuthis banksi.

Balakhnin, I.A. & I.V. Drobnitskaia (1969) 17-6M473
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:386-91
Serologicheskii analiz Kamchatskogo kraba (Paralithodes camtschatica Tilesius)
(Serological analysis of the Kamchatka crab (Paralithodes camtschatica))

USSR - INW. Lithodidae. Blood characteristics, antigenics, geographic differences.

Ivanov, B.G. (1969) 17-6M474
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:392-416
Biologiia severnogo shrimsa (Pandalus borealis Kg.) v Beringovom more i zalive Aliaska
(Distribution and biology of the northern shrimp (Pandalus borealis) in the Gulf of Alaska and Bering Sea)

INW, INE. Pandalidae. Size composition, growth, maturity, reproduction.

Burukovskii, R.N. (1969) 17-6M475
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:417-23
Pitanie rozovoi krevetki (Penaeus duorarum Burkenroud) u poberezh'ia Mavritanii
(The feeding habits of rose shrimp (Penaeus duorarum) off Mauritania)

ASE. Penaeidae. Data on stomach content, trophic habitat.

Sadykhova, I.A. (1969) 17-6M476
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:429-35
Razmer i forma rakoviny dal'nevostochnoi midii (Mytilus grayanus Dunker) v razlichnykh usloviiakh obitaniia
(Size and shape of the mussel shell under various environmental conditions)

USSR - INW. Mytilus. Growth conditions, size composition - statistical analysis.

Romanova, N.N. (1969) 17-6M477
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:436-48
O promyslovykh molliuskakh Barentseva moria
(On commercial molluscs in the Barents Sea)

USSR - Barents Sea, ANE. Modiolus, Pecten, Mytilus. Stock assessment, biomass determinations.

Rekhina, N.I. (1969) 17-6M478
Trudy vses.nauchno-issled.Inst.morsk.ryb. Khoz.Okeanogr., 65:449-52
Khimicheskii sostav nekotorykh molliuskov Barentseva moria
(Chemical composition of some molluscs in the Barents Sea)

USSR - Barents Sea, ANE. Modiolus, Pecten Mytilus. Analytical data.

Moiseeva, E.B. (1970) 17-6M479
Dokl.Akad.Nauk SSSR, 194(4):977-80
O morfologicheskikh izmeneniiakh neirosekretornykh kletok preopticheskogo iadra bychka-martovika (Gobius batrahocephalus Pallas) v sviazi s reprodutivnym tsiklom
(On morphological variations in neurosecretory cells in the preoptic nucleus of Gobius batrahocephalus Pallas connected with its reproductive cycle)

USSR - Black Sea. Gobiidae. Histology.

Laur, M-H. & L. Pham Quang (1970) 17-6M480
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(20): 1752-5
Sur les lipides neutres de trois Fucacées des côtes françaises: Fucus serratus L., Fucus vesiculosus L. et Pelvetia canaliculata (L.) Decn. et Thur.: analyse qualitative et quantitative des différents composants
(On the neutral lipids of three Fucaceae of the French coasts: Fucus serratus L., Fucus vesiculosus L. and Pelvetia canaliculata (L.) Decn. et Thur.: quantitative and qualitative analysis of different compounds)

France - ASE. Analytical data. Pigments.

Shuntov, V.P. (1968) 17-6M481
Probl.Ichthyol., 8(6):784-9
Counts of flying fishes in the Eastern Indian Ocean

ISEW, ISW. Eastern Indian Ocean, Arafura and Timor Seas. Exocoetus volitans, Danichthys rondeletii; quantitative distribution related to productive zone location.

Serobaba, I.I. (1968) 17-6M482
Probl.Ichthyol., 8(6):789-98
Spawning of the Alaska pollack Theragra chalcogramma (Pallas) in the northeastern Bering Sea

INE, Bering Sea.

Anukhina, A.M. (1968) 17-6M483
Probl.Ichthyol., 8(6):799-802
The quality of Whitesea navaga (Eleginus navaga) eggs in relation to the numbers of progeny

ANE, Relationship between age of females and fat content of eggs, and between fat content and mean egg size. Converse relation between fecundity and egg quality.

Parin, N.V. & G.N. Pokhil'skaya (1968) 17-6M484
Probl.Ichthyol., 8(6):808-12
The age variability and range of a rare oceanic fish Eumecichthys fiski (Pisces, Lophotidae)

Morphometric and meristic characters, changes during ontogeny.

Besednov, L.N. (1969) 17-6M485
Probl.Ichthyol., 9(3):303-9
Origin of the ichthyofauna of the Gulf of Tonkin

ISEW.

Sawyer, W.H. et al. (1970) 17-6M486
Gen.comp.Endocr., 15:52-8
A fraction resembling oxytocin from Squalus acanthias: Pharmacological comparisons with synthetic peptides

INE, ANW, Virginia coast, British Columbia coast.

Terwilliger, R.C. et al. (1970) 17-6M487
Gen.comp.Endocr., 15:70-9
The subcellular localization of a cardioexcitatory peptide in the pericardial organs of the crab, Cancer borealis

Colombo, L., C. Lupo di Prisco & G. Binder (1970) 17-6M488
Gen.comp.Endocr., 15:404-19
Metabolism of pregnenolone-4-$^{14}$C by the testis of Gobius paganellus (Teleostei)

Measurement of steroid-synthetic capacity.

Bekker, V.E. & O.D. Borodulina (1968) 17-6M489
Probl.Ichthyol., 8(5):625-40
Lantern fishes of the genus Ceratoscopelus Günth. Systematics and distribution

World wide. Ceratoscopelus townsendi, Ceratoscopelus maderensis, description, photophores, luminous organs, biology, migration.

Limansky, V.V. & Ye.P. Gubanov (1968) 17-6M490
Probl.Ichthyol., 8(5):641-6
Morphological analysis of different groups of Azov-Black Sea anchovies (Engraulis encrasicholus L.) with differing blood antigen compositions

USSR - Black Sea, Sea of Azov, ASE - Gulf of Guinea. Morphometric and meristic comparisons.

Maksimov, V.P. (1968) 17-6M491
Probl.Ichthyol., 8(5):756
Swordfish attack on a shark

ASE, Gulf of Guinea. Xiphias gladius, Carcharhinus.

Trunov, I.A. (1968) 17-6M492
Probl.Ichthyol., 8(5):759-61
Preliminary data on the composition and distribution of some fishes from the southeast Atlantic

ASE. Gadidae, Ophidiidae, Squalidae, Macrouridae, Gonostomatidae.

Novikov, N.P. (1968) 17-6M493
Probl.Ichthyol., 8(5):762-4
Tagging of the coalfish (Anoplopoma fimbira Pall.) in the Bering Sea and on the Pacific coast of Kamchatka

INW. Migration.

Alluchon-Gérard, M.-J. (1970) 17-6M494
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(14): 1195-8
Etude au microscope électronique de la différenciation des cellules adénohypophysaires chez l'embryon de Scyllium canicula (Sélaciens)
(Electronic microscope study of the differentiation of the adenohypophysial cells in the embryo of Scyllium canicula (Selachii))

France. Embryology.

Daures, M.C. & G. Vernet (1970) 17-6M495
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(18): 1646-9
Effets de l'ablation des pédoncules oculaires sur la variation de la concentration en calcium dans l'hémolymphe de Pachygrapsus marmoratus Fabricius au cours du cycle d'intermue
(Effects of eye stalk removal on the variation of calcium concentration in the hemolymph of Pachygrapsus marmoratus Fabricius during the intermoult cycle)

France. Grapsidae. Experimental physiology.

Pérez, I.,F. (1969) 17-6M496
Fishery Bull.U.S.Fish Wildl.Serv., 67(3): 461-591
Western Atlantic shrimps of the genus Penaeus

ANW, ASW. Penaeidae. Taxonomy - morphology, key to subgenera and species. Distribution. Biology and ecology. Commercial importance.

George, M.J. & P. Vedavyasa Rao (1968) 17-6M497
J.mar.biol.Ass.India, 10(1):52-70
Observations on the development of the external genitalia in some Indian penaeid prawns

ISW. Penaeus, Metapenaeus, Parapenaeopsis. Petasma and thelycum - morphological description, growth and development, interspecific comparison.

Raghu Prasad, R. & P.R.S. Tampi (1968) 17-6M498
J.mar.biol.Ass.India, 10(1):78-87
On the distribution of palinurid and scyllarid lobsters in the Indian Ocean

ISW, PSE. Palinuridae, Scyllaridae. Adult distributional records.

Suseelan, C. & K.H. Mohamed (1968) 17-6M499
J.mar.biol.Ass.India, 10(1):88-94
On the occurrence of Plesionika ensis (A. Milne Edwards)(Pandalidae, Crustacea) in the Arabian Sea with notes on its biology and fishery potentialities

ISW. Taxonomy - morphological description, distribution. Size distribution, biometric relationships, sex ratio. Exploratory fishing, catch effort.

Narayanan Kutty, M. & G. Murugapoopathy (1968) 17-6M500
J.mar.biol.Ass.India, 10(1):95-8
Diurnal activity of the prawn Penaeus semisulcatus De Haan

India - ISW. Behaviour - aquarium observations - feeding time, protection against predators.

James, P.S.B.R. & M. Badrudeen (1968) 17-6M501
J.mar.biol.Ass.India, 10(1):107-13
On certain anomalies in the fishes of the family Leiognathidae

India - ISW. Leiognathus. External morphology, meristic and morphometric data.

Lal Mohan, R.S. (1968) 17-6M502
J.mar.biol.Ass.India, 10(1):114-7
On the occurrence of the blennioid fishes Blennius semifasciatus Rüppell (family: Blenniidae) and Tripterygion fasciatum (Weber) (family: Clinidae) along the Indian coast

ISW. Taxonomy - description, distribution.

Lal Mohan, R.S. (1968) 17-6M503
J.mar.biol.Ass.India, 10(1):118-25
On a collection of blennies from Gujarat coast with some new records

India - ISW. Blenniidae, Clinidae. Taxonomy - description, distribution.

Sriramachandra Murty, V. (1968) 17-6M504
J.mar.biol.Ass.India, 10(1):126-32
On some interesting and new records of marine fishes from India

ISW. Drepanidae, Labridae, Platycephalidae. Taxonomy - morphological description, meristic and morphometric data, distribution, key to species.

Reuben, S. (1968) 17-6M505
J.mar.biol.Ass.India, 10(1):133-51
Uraspis helvola (Forster)(Carangidae: Pisces) a detailed description with remarks on the species of the genus Uraspis Bleeker

India - ISW. Taxonomy - morphometric and meristic data, interspecific comparison.

Rao, S.R., S.M. Shah & R. Viswanathan (1968) 17-6M506
J.mar.biol.Ass.India, 10(1):159-65
Calcium, strontium and radium content of molluscan shells

India. Anadara, Crassostrea, Mytilus, Donax, Cardium, Katelysia, Sepia. Analytical data.

Thomas, M.M. (1968) 17-6M507
J.mar.biol.Ass.India, 10(1):166-7
On a new distributional record of Parapenaeopsis tenella (Bate) from the south eastern coast of India

ISW. Penaeidae. Taxonomic description.

Rajapandian, M.E. (1968) 17-6M508
J.mar.biol.Ass.India, 10(1):170-2
On the occurrence of the sling-jawed wrasse, Epibulus insidiator (Pallas) along the south eastern coast of India

ISW. Sparidae. Taxonomic description.

Bensam, P. (1968) 17-6M509
J.mar.biol.Ass.India, 10(1):172-4
Further instances of gonadial peculiarities in Sardinella longiceps Valenciennes

India. Clupeidae. Abnormalities - morphological description.

Singh, S.P. (1968) 17-6M510
J.mar.biol.Ass.India, 10(1):175-7
A note on the deformity in pomfret, Stromateus cinereus (Bloch)

India. Stromateidae. Abnormalities - morphological description.

Appannasastry, Y. (1968) 17-6M511
J.mar.biol.Ass.India, 10(1):179-81
On the occurrence of the juveniles of the Indian mackerel Rastrelliger kanagurta (Cuvier) in the inshore water of Kakinada

India. Scombridae. Sampling - length frequencies. Food.

Reuben, S. (1968) 17-6M512
J.mar.biol.Ass.India, 10(1):182-3
A note on the food of Malabar trevally, Carangoides malabaricus (Bloch & Schneider) from the north-western Bay of Bengal

India. Carangidae. Food items - percentage distribution.

Meixner, R. (1969) 17-6M513
Ber.dt.wiss.Kommn Meeresforsch., 20(2): 93-111
Wachstum, Häutung und Fortpflanzung von Crangon crangon (L.) bei Einzelaufzucht (Growth, moulting and reproduction of Crangon crangon (L.) in separate rearing).
En Fr Es

Germany - Federal Republic. North Sea coast. Crangonidae. Laboratory experiments - biological and biometric data.

Müller, A. (1969) 17-6M514
Ber.dt.wiss.Kommn Meeresforsch., 20(2): 112-28
Körpergewicht und Gewichtszunahme junger Plattfische in Nord- und Ostsee (Body weight and its growth in young flatfish of the North Sea and the Baltic).
En Fr Es

Germany - Federal Republic. Pleuronectes, Limanda, Solea, Platichthys, Psetta, Scophthalmus. Biometric data - length and relationships. Trophic requirement - factor of food conversion, daily growth.

Kühnhold, W.W. (1969) 17-6M515
Ber.dt.wiss.Kommn Meeresforsch., 20(2): 165-71
Der Einfluss wasserlöslicher Bestandteile von Rohölen und Rohölfraktionen auf die Entwicklung von Heringsbrut
(The influence of watersoluble compounds of crude oils and their fractions on the ontogenetic development of herring fry (Clupea harengus L.)). En

Germany - Federal Republic. Clupeidae. Toxicity experiments - rates of mortality and hatching.

Hartmann, J. (1969) 17-6M516
Ber.dt.wiss.Kommn Meeresforsch., 20(2): 172-5
Chalimusstadien von Lepeotheirus auf juvenilen Onos cimbrius und Onos mustelus
(Chalimus larvae of Lepeotheirus on juvenile Onos cimbrius and Onos mustelus).
En

North Sea. Ichthyoparasitology - Gadidae. Parasites incidence, distribution.

Ahmed, M. & A.K. Sparks (1970) 17-6M517
Biol.Bull.mar.biol.Lab.,Woods Hole, 138(1):1-13
Chromosome number, structure and autosomal polymorphism in the marine mussels Mytilus edulis and Mytilus californianus

USA - INE. Mytilidae. Cytogenetic structure.
Issued also as: Contr.Univ.Wash.College (Sch.)Fish., (319).

Fingerman, M. (1970) 17-6M518
Biol.Bull.mar.biol.Lab.,Woods Hole, 138(1):26-34
Dual control of the leucophores in the prawn, Palaemonetes vulgaris, by pigment-dispersing and pigment-concentrating substances

USA, Massachusetts - ANW. Palaemonidae. Pigmentation - endocrine control, experiments.

Stephens, J.S., Jr. (1970) 17-6M519
Copeia, (2):280-309
Seven new chaenopsid blennies from the western Atlantic

Emblemariopsis leptocirris, Emblemariopsis occidentalis, Emblemaria caldwelli, Emblemaria diphyodontis, Emblemaria biocellata, Emblemaria culmenis, Acanthemblemaria rivasi spp nov. Key to species, descriptions, distribution, systematics, and phylogeny.

Cressey, R.F. & E.A. Lachner (1970) 17-6M520
Copeia, (2):310-8
The parasitic copepod diet and life history of diskfishes (Echeneidae)

Tropical and subtropical Copepoda in stomachs of Remora remora, Remora osteochir, Remora brachyptera, Remorina albescens, Echeneis naucrates, Phtheirichthys lineatus. Hosts - Prionace, Carcharinus, Isurus, Istiophorus, Tetrapturus, Makaira, Sphyraena, Megalops, Lactophrys, Galeocerdo, Negaprion.
FIRS:cp

Gutherz, E.J. & R.R. Blackman (1970) 17-6M521
Copeia, (2):340-8
Two new species of the flatfish genus Citharichthys (Bothidae) from the western North Atlantic

ASW, ANW. Citharichthys amblybregmatus, Citharichthys gymnorhinus sp nov. Sexual dimorphism. Key to species in western Atlantic.
Issued also as: Contr.U.S.Bur.comml Fish. biol.Lab.,Brunswick, (101).

Collard, S.B. (1970) 17-6M522
Copeia, (2):348-54
Forage of some eastern Pacific midwater fishes

INE. ISE. Evermannellidae, Gonostomatidae, Idiacanthidae, Melamphaidae, Myctophidae, Scyliorhinidae, Serrivomeridae, Sternoptychidae, Stomiatidae. Copepoda and Euphausiacea major dietary constituents. Geographical and seasonal variations in forage of Stenobrachius leucopsarus. Diet differences in sympatric species.

Olla, B.L., H.M. Katz & A.L. Studholme (1970) 17-6M523
Copeia, (2):360-2
Prey capture and feeding motivation in the bluefish, Pomatomus saltatrix

A.

Wisner, R.L. (1970) 17-6M524
Copeia, (2):362-6
A re-identification of the myctophid fishes originally determined by Lütken as Scopelus spinosus

ISEW, ISE, ASE. Myctophum asperum, Myctophum spinosum. Distribution, description and biometric comparison.

Smith, D.G. (1970) 17-6M525
Copeia, (2):366-7
The correct identity of two "rare" Hawaiian eels

ISEW. Conger cinereus marginatus misidentified as Veternio verrens, Congrina aequoria misidentified as Rhechias armiger.

Fishelson, L. (1970) 17-6M526
Copeia, (2):370-1
Spawning behavior of the cardinal fish, Cheilodipterus lineatus, in Eilat (Gulf of Aqaba, Red Sea)

ISW.

Swerdloff, S.N. (1970) 17-6M527
Copeia, (2):371-4
Behavioral observations on Eniwetok damselfishes (Pomacentridae: Chromis) with special reference to the spawning of Chromis caeruleus

Chromis caeruleus, Chromis atripectoralis, Chromis dimidiatus, Chromis leucurus, Chromis ternatensis, Chromis lepidolepis.

Nakamura, E.L. (1970) 17-6M528
Copeia, (2):374-7
Observations on the biology of the myctophid, Diaphus garmani

ISEW, Christmas Island. Swarming as escape behaviour, food, fecundity and length relation, parasites.

Menon, A.G.K. & K.V. Rama Rao (1970) 17-6M529
Copeia, (2):377-8
Type-specimens of fishes described in the R.I.M.S. "Investigator" collections (1884-1926)

ISW. 38 Syntypes with register numbers.

Urban, E.K. (1970) 17-6M530
Copeia, (2):393-4
Nesting of the green turtle (Chelonia mydas) in the Dahlak Archipelago, Ethiopia

ISW.

Courtenay, W.R., Jr. & F.A. McKittrick (1970) 17-6M531
Mar.Biol., 7(2):131-7
Sound-producing mechanisms in carapid fishes, with notes on phylogenetic implications

ISEW, ISW, ASW. Carapus bermudensis, Onuxodon parvibrachium, Onuxodon margaritiferae. Structure of otophysic structures associated with swimbladders.

Sastry, A.N. (1970) 17-6M532
Biol.Bull.mar.biol.Lab.,Woods Hole, 138(1):56-65
Reproductive physiological variation in latitudinally separated populations of the bay scallop, Aequipecten irradians Lamarck

USA - ANW. Pectinidae. Reproductive response - effects of temperature and food, experimental data.

Ebeling, A.W., P. Bernal & A. Zuleta (1970) 17-6M533
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 115-50
Emersion of the amphibious chilean clingfish, Sicyases sanguineus

Chile coast. ISE. Adaptation to life above water, mechanism of aerial respiration.

Roberts, M.H.,Jr. (1970) 17-6M534
Biol.Bull.mar.biol.Lab.,Woods Hole, 139(1): 188-202
Larval development of Pagurus longicarpus Say reared in the laboratory. 1. Description of larval instars

ANW.

Hughes, G.R. (1970) 17-6M535
S.Afr.J.Sci., 66(8):239-46
Marine turtles: An introduction to the sea turtles of South East Africa

PSW, ISW. Eretmochelys, Dermochelys, Chelonia, Caretta. Geographic distribution, biological data.

Bini, G. (1968)C 17-6M536
Milano, Mondo Sommerso Editrice, 163 p.
Atlante dei pesci delle coste italiane. Volume 4. Osteitti
(Atlas of fishes of the Italian coasts. Vol. 4. Osteichthyes). It

Mediterranean Sea basin. Perciformes. Taxonomy, distribution, biology. Vernacular names.
CR 13-6M254.

Bini, G. (1968)C 17-6M537
Milano, Mondo Sommerso Editrice, 175 p.
Atlante dei pesci delle coste italiane. Volume 5. Osteitti
(Atlas of fishes of the Italian coasts. Vol. 5. Osteichthyes). It

Mediterranean Sea basin. Perciformes. Taxonomy, distribution, biology. Vernacular names.
Co 17-6M536.

Bini, G. (1968)C 17-6M538
Milano, Mondo Sommerso Editrice, 164 p.
Atlante dei pesci delle coste italiane. Volume 8. Osteitti
(Atlas of fishes of the Italian coasts. Vol. 8. Osteichthyes). It

Mediterranean Sea basin. Pleuronectiformes, Echeneiformes, Tetraodontiformes, Gobiesociformes, Batrachoidiformes, Lophiiformes. Taxonomy, distribution, biology. Vernacular names.
CR 17-6M537.

South, G.R. & R.D. Hill (1970) 17-6M539
Can.J.Bot., 48(10):1697-701
Studies on marine algae of Newfoundland. 1. Occurrence and distribution of free-living Ascophyllum nodosum in Newfoundland

Canada - ANW. Fucaceae. Habitat, community. Biological data.

Tiews, K., I.A. Ronquillo & P. Caces-Borja (1970) 17-6M540
Proc.Indo-Pacif.Fish.Coun., 13,Sect.2:82-106
On the biology of roundscads (Decapterus Bleeker) in the Philippine waters

ISEW. Carangidae. Taxonomy - key to species, distribution. Reproduction. Food. Size composition, growth rate. Fat content. Parasites.
Pr 11-277me.

Rekhina, N.I. (1970) 17-6M541
Transln Ser.Fish.Res.Bd Can., (1530): 7 p.
Chemical composition of some molluscs in the Barents Sea (from "Problems of commercial hydrobiology")

En 17-6M478.

Byrne, J.E. (1970) 17-6M542
Pacif.Sci., 24(4):490-3
Mucous envelope formation in two species of Hawaiian parrotfishes (genus Scarus)

ISEW. Scarus gubius, Scarus perspicillatus. Behaviour of schools. Experimental induction of envelope in darkness.
Issued also as: Contr.Hawaii Inst.mar.Biol., (353).

O'Connell, C.P. & L.P. Raymond (1970) 17-6M543
J.expl mar.Biol.Ecol., 5(2):187-97
The effect of food density on survival and growth of early post yolk-sac larvae in the northern anchovy (Engraulis mordax Girard) in the laboratory

Effect on year class strength.

Tiews, K., I.A. Ronquillo & L. M. Santos (1970) 17-6M544
Proc.Indo-Pacif.Fish.Coun., 13,Sect.2:20-48
On the biology of anchovies (Stolephorus Lacepede) in Philippine waters

ISEW. Engraulidae. Taxonomy - key to species. Distribution and frequency of species. Reproduction - sexual stages. Length composition, growth. Population structure.
Pr 11-277me.

Druzhinin, A.D. & Tin Tin Myint, Daw (1970) 17-6M545
Proc.Indo-Pacif.Fish.Coun., 13,Sect.2:49-58
A morphometric study of Rastrelliger spp. from the Mergui Archipelago, Burma

ISW. Scombridae. Taxonomy - key to species.
Pr 11-277me.

Druzhinin, A.D. (1970) 17-6M546
Proc.Indo-Pacif.Fish.Coun., 13,Sect.2:59-81
Indian mackerel, Rastrelliger spp., in Burma waters

ISW. Scombridae. Species composition - biological and biometric data. Fishery - catch effort per day, development.
Pr 11-277me.

Borodulina, O.D. (1969) 17-6M547
Probl.Ichthyol., 9(3):309-20
Osteology of Leuroglossus stilbius schmidti Rass (Bathylagidae)

INW, Bering Sea, Sea of Okhotsk. Comparison of skeletons of Bathylagus and Leuroglossus.

Pshenichnyy, B.P. & V.V. Assorov (1969) 17-6M548
Probl.Ichthyol., 9(3):331-8
Some biological features of the Atlantic Ocean hake (Merluccius) along the south-west African coast

ASE. Composition of stock, dynamics of sexual maturation, sex and size composition, spawning in relation to number of vertebrae.

Knudsen, H. (1969) 17-6M549
Meddr Danm.Fisk.-og Havunders., 6(1-4):7-45
Studies on whiting (Merlangius merlangus (L)) in the North Sea, Skagerrak and Kattegat. 3

ANE. Gadidae. Demersal and pelagic stages - distribution, density, availability. Mortality estimates, number of recruits. Growth parameters. Statistical analysis of pelagic hauls.
Co 1964, H. Knudsen.

Theisen, B.F. (1969) 17-6M550
Meddr Danm.Fisk.-og Havunders., 6(1-4):47-78
Growth and mortality of culture mussels in the Danish Wadden Sea

Denmark. Mytilus edulis. Experiments. Biometric data - growth parameters, mortality rates.

Smidt, E.L.B. (1969) 17-6M551
Meddr Danm.Fisk.-og Havunders., 6(1-4):79-148
The Greenland halibut, Reinhardtius hippoglossoides (Walb.), biology and exploitation in Greenland waters

ANW, ANE. Pleuronectidae. Geographical and bathymetric distribution. Reproduction. Age and growth. Stocks. Food and predators. Tagging experiments - migrations. Commercial fishery.

Gorbunova, N.N. (1969) 17-6M552
Probl.Ichthyol., 9(3):375-87
Breeding grounds and food of the larvae of the swordfish (Xiphias gladius Linné (Pisces, Xiphilidae))

ISEW, ISW, ASW. Distribution. Spawning grounds associated with high productivity areas. Diurnal feeding.

Fursa, T.I. (1969) 17-6M553
Probl.Ichthyol., 9(3):394-403
Quantitative and qualitative characterization of the ichthyoplankton off the western shore of Hindustan

ISW. Seasonal collections. Clupeidae, Myctophidae, Maurolicidae, Gonostomidae, Gobiidae, Bregmacerotidae, Carangidae, Gempylidae, Thunnidae, Bothidae, Gadidae, Synodontidae, Scorpaenidae, Apogonidae, Serranidae, Leptocephali, Sparidae, Sphyraenidae.

Parin, N.V., K.N. Nesis & M.Ye. Vinogradov (1969) 17-6M554
Probl.Ichthyol., 9(3):418-27
Data on the feeding of Alepisaurus in the Indian Ocean

ISW. Polychaeta, Heteropoda, Pteropoda, Cephalopoda, Amphipoda, Decapoda, Sternoptychidae, Bramidae, Alepisauridae, Nomeidae, Paralepididae, Gempylidae. New data on geographical distribution of Cephalopoda and Pisces.

Vasil'yeva, V.F. et al. (1969) 17-6M555
Probl.Ichthyol., 9(3):434-42
Excretion of electrolytes by the kidney of the horse mackerel (Trachurus) and the sea scorpion (Scorpaena) after injection of Na, K, Ca or Mg chlorides

Truncv, I.A. (1969) 17-6M556
Probl.Ichthyol., 9(3):443-5
Schedophilus huttoni (Centrolophidae), a species of fish new to the Atlantic Ocean

ASE. Description and distribution.

Rubinoff, I. & C. Kropach (1970) 17-6M557
Nature,Lond., 228(5278):1288-90
Differential reactions of Atlantic and Pacific predators to sea snakes

Panama - ISE, ASW. Hydrophydae, Central America Canal project. Experiments with carnivorous fish, behaviour.

Clarke, M.R. (1970) 17-6M558
Nature,Lond., 228(5274):873-4
Function of the spermaceti organ of the sperm whale

South Africa - PSW. Physeter catodon. Morphological structure. Estimates of oil quantity, change of density - relation to environmental temperature. Calorimetric data - experiments.

Michel, A. (1969) 17-6M559
Cah.O.R.S.T.O.M.(Océanogr.), 7(4):3-19
Les larves phyllosomes du genre Panulirus - Palinuridae - (Crustacés Décapodes) du Pacifique tropical sud et équatorial
(The phyllosoma larvae of the genus Panulirus, Palinuridae (Crustacea Decapoda) in the South tropical and equatorial Pacific). En

ISEW. Species identification, morphological description, distribution.

Dessier, A. (1969) 17-6M560
Cah.O.R.S.T.O.M.(Océanogr.), 7(4):21-5
Note sur les stades larvaires et post-larvaires d'Ilisha africana (Bloch, 1795)(Pisces, Clupeidae)
(Note on the larval and post-larval stages of Ilisha africana (Bloch, 1795) (Pisces, Clupeidae)). En

Gabon, Congo - ASE. Morphological description, morphometric data, distribution.

Fourmanoir, P. (1969) 17-6M561
Cah.O.R.S.T.O.M.(Océanogr.), 7(4):51-60
Contenus stomacaux d'Alepisaurus (poissons) dans le sud-ouest Pacifique
(Stomach contents of Alepisaurus (Pisces) from the southwestern region of the Pacific). En

ISEW - New Caledonia, New Hebrides. ASE - Madeira Islands. Alepisauridae, Gempylidae.

Castle, P.H.J. (1970) 17-6M562
Arch.FischWiss., 21(1):1-21
Ergebnisse der Forschungsreisen des FFS WALTHER HERWIG nach Südamerika. 11. The Leptocephali
(Results of the research cruises of FRS WALTHER HERWIG to South America. 11. The Leptocephali). En De

ASW, ASE. Congridae, Nemichthyidae, Serrivomeridae, Muraenesocidae, Nettastomatidae, Xenocongridae, Ophichthidae, Muraenidae, Notacanthiformes. Ariosoma balearicum most common. Descriptions and distribution.
Co 17-6M569.

Krefft, G. (1970) 17-6M563
Arch.FischWiss., 21(1):22-7
Ergebnisse der Forschungsreisen des FFS WALTHER HERWIG nach Südamerika. 12. Barbantus elongatus spec.nov. (Pisces, Alepocephaloidei), ein weiterer neuer Searside aus dem tropischen Atlantik
(Results of the research cruises of FRS WALTHER HERWIG to South America. 12. Barbantus elongatus spec.nov. (Pisces, Alepocephaloidei), a further new searsid fish from the tropical Central Atlantic). En
ASE. Description and comparison with Barbantus curvifrons.
Co 17-6M562.

Nielsen, J.G. & V. Larsen (1970) 17-6M564
Arch.FischWiss., 21(1):28-39
Ergebnisse der Forschungsreisen des FFS WALTHER HERWIG nach Südamerika. 13. Notes on the Bathylaconidae (Pisces, Isospondyli) with a new species from the Atlantic Ocean
(Results of the research cruises of FRS WALTHER HERWIG to South America. 13. Notes on the Bathylaconidae (Pisces, Isospondyli) with a new species from the Atlantic Ocean). En De
ASE. Descriptions. Meristic and morphometric characters. Distribution. Key to Bathylaco spp. Bathylaco krefftі sp nov.
Co 17-6M563.

Krefft, G. (1970) 17-6M565
Arch.FischWiss., 21(1):40-4
Grimatroctes oligolepis spec. nov. (Pisces, Alepocephaloidei), ein neuer Alepocephalide aus dem Südostatlantik
(Grimatroctes oligolepis spec.nov. (Pisces, Alepocephaloidei), a new Alepocephalid from the Southeastern Atlantic). En

ASE. Description and comparison with other 5 spp of the genus.

Mombeck, F. (1970) 17-6M566
Arch.FischWiss., 21(1):45-61
Vorläufiger Bericht über Seehecht-Untersuchungen im SO-Atlantik
(Preliminary report on hake investigations in the southeastern Atlantic). En

PSW. Population differences in size composition, sex ratio, sexual maturity, and shape of otoliths in Merluccius merluccius capensis from Lüderitz and Cape Town areas.

Mombeck, F. (1970) 17-6M567
Arch.FischWiss., 21(1):62-6
Weitere Mitteilungen über den Seehecht im südafrikanischen Raum
(Further notes on the hake in the South African area). En

PSW. Three subspp of Merluccius merluccius identified from shape of otoliths.

Morgan, R. (1970) 17-6M568
Hydrospace, 3(2):39-40, 43
Harvesting krill as food

World ocean, PSEW. Euphausiacea. Catching methods. Biomass estimations.

Goodyear, R.H. & R.H. Gibbs,Jr. (1969) 17-6M569
Arch.FischWiss., 20(2/3):107-31
Ergebnisse der Forschungsreisen des FFS WALTHER HERWIG nach Südamerika. 10. Systematics and zoogeography of stomiatoid fishes of the Astronesthes cyaneus species group (family Astronesthidae), with descriptions of three new species
(Results of the research cruises of FRS WALTHER HERWIG to South America. 10. Systematics and zoogeography of stomiatoid fishes of the Astronesthes cyaneus species group (family Astronesthidae), with descriptions of three new species). En
Atlantic Ocean, Indian Ocean, Pacific Ocean. Taxonomic diagnosis - meristic and morphometric data, statistical analysis. Luminous patches. Gill development. Geographical and bathymetric distribution. Zoogeography.
CR 17-6M085.

Rauck, G. (1969) 17-6M570
Arch.FischWiss., 20(2/3):186-7
Markierungspistole für Plattfische (verbesserte Methode)
(A simple way for tagging flat fish by means of a tagging gun). En

Germany - Federal Republic. Pleuronectiformes. Techniques, experimental data.

Lemire, M. (1970) 17-6M571
C.r.hebd.Séanc.Acad.Sci.,Paris (D), 271(22): 1994-7
Etude cytoarchitectonique du rhombencéphale de Latimeria chalumnae, Poisson Crossoptérygien, Coelacanthidé
(Architectonical study of the rhombencephalon cells in Latimeria chalumnae, crossopterigian fish, Coelacanthiformes)

France. Morphological description, development.

Krishnamurthy, V.G. & H.A. Bern (1969) 17-6B001
Gen.comp.Endocr., 13:313-3[illegible]
Correlative histologic study of the corpuscles of Stannius and the juxtaglomerular cells of teleost fishs

USA. Pisces - 29 species. Description - interspecific comparison.

Hayashida, T. & W.D. Lagios (1969) 17-6B002
Gen.comp.Endocr., 13:403-11
Fish growth hormone: A biological, immunochemical, and ultrastructural study of sturgeon and paddlefish pituitaries

USA. Acipenser. Polyodon. Bioassay experiments.

Wilson, H. & L. Smith (1969) 17-6B003
Gen.comp.Endocr., 13:412-24
Isolation and amino acid sequence of neurohypophyseal hormones of Pacific chinook salmon (Oncorhynchus tschawytscha)

USA. Salmonidae. Amino acid sequence.

Whitt, G.S. (1969) 17-6B004
Science, 166(3909):1156-8
Homology of lactate dehydrogenase genes: E gene function in the teleost nervous system

USA. Fundulus heteroclitus. Scomber scombrus. Cynoscion regalis. Immunochemistry - experiments.

Wade, R.A. (1968)C 17-6B005
Thesis, Univ. of Miami, 166 p.
Ecology of juvenile tarpon, with special attention to the effects of dieldrin on two associated species, Cyprinodon variegatus and Poecilia latipinna

USA. Florida coast. Megalops atlanticus. Bioassay experiments. Mortality - influence of temperature and salinity.
DA 29(8):2962-B.

Mayer, N. & J. Nibelle (1969) 17-6B006
Comp.Biochem.Physiol., 31(4):589-97
Sodium space in fresh-water and sea-water eels

France - Mediterranean coast. Anguilla anguilla. Experiments.

Nazarov, L.A. & A.G. Komliagin (1968) 17-6B007
Biull.eksp.Biol.Med., 65(5):131-3
(A universal fish-holding stand). Ru

USSR. Apparatus - electro-physiological experiments. Description and application - Lucioperca and Lota.

Nazarov, L.A. & A.G. Komlyagin (1968) 17-6B008
Bull.exp.Biol.Med.,U.S.S.R., 65(5):589-91
A universal fish-holding stand

En 17-6B007.

Ando, K. (1968) 17-6B009
J.Tokyo Univ.Fish., 54(2):61-98
(Biochemical studies on the lipids of cultured fishes). Ni En

Japan. Experiments. Salmonidae, egg, larvae and fry - analytical data, influence of diet quality on chemical composition. Anguillidae, adult stage - fatty acid composition, effect of dietary fats.

Machidori, S. (1969) 17-6B010
Bull.Hokkaido Fish.Res.Lab., (35):7-19
(Sex ratio of coho salmon (Oncorhynchus kisutch) in the Japanese high seas fisheries and the Russian coastal fisheries). Ni En

INW. Salmonidae. Fishing regions and season - effort. Catch by age classes and sex. Factors affecting sex ratio - spawning migration.

Kilambi, R.V., F.M. Utter & A.C. DeLacy (1965) 17-6B011
J.mar.biol.Ass.India, 7(2):364-8
Differentiation of spawning populations of the surf smelt Hypomesus pretiosus (Girard) by serological methods

USA - Pacific coast. Blood typing.
Issued also as: Contr.Univ.Wash.Coll. Fish., (230).

Mathisen, O.A. (1966) 17-6B012
Verh.int.Verein.theor.angew.Limnol., 16: 1025-35
Some adaptations of sockeye salmon races to limnological features of Iliamna Lake, Alaska

Oncorhynchus nerka.
Issued also as: Contr.Univ.Wash.Coll.Fish., (225).

Burgner, R.L. (1966) 17-6B013
Verh.int.Verein.theor.angew.Limnol., 16: 1036-43
Food production in two lake chains of southwestern Alaska

Oncorhynchus nerka - factors influencing production. Comparative observations. Limnological observations.
Issued also as: Contr.Univ.Wash.Coll.Fish., (224).

Mathisen, O.A. & M. Berg (1968) 17-6B014
Rep.Inst.freshwat.Res.Drottningholm, (48): 177-86
Growth rates of the char Salvelinus alpinus (L.) in the Vardnes River, Troms, northern Norway

Issued also as: Contr.Univ.Wash.Coll.Fish., (246).

Allen, G.H. (1968) 17-6B015
Ecology, 49(5):1001-2
Mortality of coho smolts migrating through a lake system

USA - Pacific coast. Oncorhynchus kisutch. Mortality estimation. Recovery of marked fish.

Martin, F.D. (1968) 17-6B016
Ecology, 49(6):1186-8
Intraspecific variation in osmotic abilities of Cyprinodon variegatus Lacépède from the Texas coast

USA. Cyprinodontidae. Experiments. Tolerance of salinity - biological factors.

Shimizu, T. (1969) 17-6B017
Bull.Jap.Soc.scient.Fish., 35(5):423-9
Studies on pathogenic properties of Aeromonas liquefaciens. 3. Some chemical and antigenic properties of toxic factors

Japan. Anguilla skin tests - necrotic factors.
Co 16-6B064.

Kitamikado, M. & H. Yamamoto (1969) 17-6B018
Bull.Jap.Soc.scient.Fish., 35(5):466-70
Distribution of hyaluronidase in fish tissues

Japan. Sarda. Seriola. Scomber. Lateolabrax. Anguilla. Cyprinus. Salmo. Chrysophrys. Dasyatis. Ommotostrephes. Turbo. Neptunus. Enzymes - presence in liver, heart, kidney and digestive tract. Specific variation.

Umminger, B.L. (1970) 17-6B019
Nature,Lond., 225(5229):294-5
Osmoregulation by the killifish, Fundulus heteroclitus in fresh water at temperatures near freezing

USA. Cyprinodontidae. Experiments in fresh and salt water.

Hass, H. (1969) 17-6B020
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Histological studies on the pineal organ of 15 species of teleosts

Japan. Pisces. Osteichthyes. Methods. Anatomy and morphology. Histological structure - pineal epithelium, photo-receptor cells, ganglion cells.

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Cah.O.R.S.T.O.M.(Hydrobiol.), 2(2): 21-50
Poissons d'eaux douces et saumâtres de la région côtière du Congo (The fish of freshwater and brackish water in the coastal region of the Congo).
En

Congo, People's Republic. Osteichthyes. Species record - meristic data, distribution, biogeography.

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Cah.O.R.S.T.O.M.(Hydrobiol.), 2(2):91-111
Etude du peuplement de poissons d'un milieu saumâtre tropical poïkilohalin: la baie de Cocody en Côte d'Ivoire (Study on the fish populations of a tropical brackish poikilohaline environment: the Bay of Cocody, Ivory Coast).
En

Osteichthyes. Monthly sampling - statistical analysis. Relative abundance, diversity, interspecific variations - effect of salinity.

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Probl.Ichthyol., 8(3):370-7
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USSR. Acipenseridae, Cyprinidae, Siluridae, Percidae, Esocidae. Biometric data - interspecific comparison. Effects of climatic factors and fishing.

Yelizarov, G.A. (1968) 17-6B104
Probl.Ichthyol., 8(3):422-30
State of the overwintering stock of sturgeons in the Lower Volga

USSR. Acipenseridae. Wintering habitat - water level, temperature and hydrochemical regime. Distribution and percentage of species. Size composition, sex ratio. Weight and condition factor. Maturity stages. Sea migration. Fishing effect on stock.

Kostrichkina, Ye.M. (1968) 17-6B105
Probl.Ichthyol., 8(3):444-52
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USSR. Lucioperca, Perca, Acerina, Gadus. Trophic ecology. Food components - fish and benthic invertebrates. Monthly and yearly variations. Feeding rate.

Gibson, J. (1968) 17-6B106
West.Fish., 75(12-13):47-52
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Pacific North. Oncorhynchus. Migration areas of different species - biological, physiological and meristic data. Interspecific comparison.
LZ 13(12)9072.

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Proc.Roy.Irish.Acad.(B), 66(1):1-7
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Salmo salar. Tagging experiments - recapture. Daily velocity of migration.
CR 8-06388.
LZ 13(12)9074.

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Fisch.-Forsch., 6(1):93-8
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(Feeding experiments with rainbow trout in coastal and inland waters)

Germany - Federal Republic.
Salmo gairdneri. Fish culture in water of different salinity.
LZ 13(12)9156.

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Riv.ital.Piscic.Ittiopatol., 3(1):12-5
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LZ 13(12)9196.

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Science, 169(3944):478-80
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USA - Gulf of Mexico. Pisces. Histochemistry. Adaptation to dim-light vision.

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Crustaceana, 18(2):113-32
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Jamaica. Palaemonidae. Larval and juvenile stages - morphological description.

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En 10-13075.

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Ryb.Khoz., 44(1):18-20
Estestvennoe vosproizvodstvo grobushi akklimatiziruemoi v basseinakh Barentseva i Belogo morei
(Natural reproduction of pink salmon acclimatized in the watersheds of the Barents and White Seas)

USSR. Oncorhynchus gorbuscha.

Kamyshnaya, M.S. & A.I. Smirnov (W.E. Ricker, Transl.)(1969) 17-6B114
Transln Ser.Fish.Res.Bd Can., (1215):8 p.
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En 17-6B113.

Birman, I.B. & S.M. Konovalov (1968) 17-6B115
Vop.Ikhtiol., 8,No.4(51):728-36
Raspredelenie i migratsii v more lokal'nogo stada krasnoi Oncorhynchus nerka (Walbaum) Kuril'skogo ozera
(Distribution and migration in the ocean of a local stock of sockeye salmon, Oncorhynchus nerka (Walbaum), of Kurile Lake origin)

USSR - Pacific coast. Salmonidae.

Birman, I.B. & S.M. Konovalov (R.E. Foerster, Transl.)(1969) 17-6B116
Transln Ser.Fish.Res.Bd Can., (1219):12 p.
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En 17-6B115.

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Progve Fish Cult., 30(2):118-9
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USA. Salmonidae. Ageing technique. Issued also as: Contr.Univ.Wash.College (Sch.)Fish., (273).

Taege, M. (1969) 17-6B118
Fischereiforsch., 7(2):7-24
Zum Schwarmverhalten bei Fischen (Eine Literaturstudie)
(Schooling behaviour of fish. A bibliographic study)

Germany - Democratic Republic. Ecology, physiology. Selected bibliography.

Schulz, P. (1969) 17-6B119
Fischereiforsch., 7(2):49-54
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Germany - Democratic Republic. Marking - technical description, application, advantages.

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J.Fish.Res.Bd Can., 27(1):1-11
An analysis of variation of insecticide residues in landlocked Atlantic salmon (Salmo salar)

USA - ANW. Salmonidae. DDT, DDD, DDE, dieldrin in spawning run fish - variations, relation to age, fat content and condition factor of fish.

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J.Fish.Res.Bd Can., 27(1):21-9
Toxicity of yellow phosphorus to herring (Clupea harengus), lobster (Homarus americanus), and beach flea (Gammarus oceanicus)

Canada - ANW. Clupeidae, Salmonidae, Homaridae, Gammaridae. Bioassays tests.

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J.Fish.Res.Bd Can., 27(1):191-3
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USA. Clupeidae. Diseases, tumorlike growth - histological examination.

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Chloride regulation in the burrowing worm eel Moringua linearis

India. Moringuidae. Physiology, osmotic regulation - experiments.

Dill, L.M. & T.G. Northcote (1970) 17-6B124
J.Fish.Res.Bd Can., 27(1):196-200
Effects of some environmental factors on survival, condition, and timing of emergence of chum salmon fry (Oncorhynchus keta)

Canada - UNE. Salmonidae. Experiments in incubation channels.

Burnet, A.M.R. (1969) 17-6B125
N.Z.Jl mar.freshwat.Res., 3(3):376-84
The growth of New Zealand freshwater eels in three Canterbury streams

Anguilla australis, Anguilla dieffenbachii. Tagging experiments - recapture rate. Annual growth. Sex differences. Comparison with otolith readings.

Nelson, W.R. (1969) 17-6B126
J.mar.Sci., 1(1):96 p.
Studies on the croaker, Micropogon undulatus Linnaeus, and the spot, Leiostomus xanthurus Lacepede, in Mobile Bay, Alabama

USA - Gulf of Mexico. ASW. Sciaenidae. Fishing area, hydrographic data - temperature, salinity, sediments. Biology of species, length frequency analysis - seasonal distribution, abundance - age, growth, movements - maturity, spawning.

Bridges, W. (1970)BC 17-6B127
New York, American Heritage Publishing Co., Inc., 287 p.
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Transln Ser.Fish.Res.Bd Can., (1053):25
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En 13-7B013.

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Dokl.Akad.Nauk SSSR, 189(5):1115-7
(Relationship between monomorphism and polymorphism of hemoglobins during microevolution of fishes). Ru

USSR. Salmonidae, Cyprinodontidae, Gadidae, Pleuronectidae. Proteins, biochemistry - electrophoretic patters. Genetic variations.

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Dokl.biol.Sci., 189(1-6):857-9
Relationship between monomorphism and polymorphism of hemoglobins during microevolution of fishes

En 17-6B129.

Allen, G.H. (1969) 17-6B131
Trans.Am.Fish.Soc., 98(4):599-610
Catch-to-escapement ratios of fin-marked 1950-brood Puget Sound coho salmon

USA - INE. Oncorhynchus kisutch. Marking experiments - migrations, estimates of total catch.

Marcy, B.C.,Jr. (1969) 17-6B132
Trans.Am.Fish.Soc., 98(4):622-30
Age determinations from scales of Alosa pseudoharengus (Wilson) and Alosa aestivalis (Mitchill) in Connecticut waters

USA. Clupeidae. Ageing techniques. Body and scale lengths relationships. Maximum age, maturity age. Spawning. Growth rate of sexes.
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Trans.Am.Fish.Soc., 98(4):641-6
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USA - ANW. Salmo salar, Salvelinus fontinalis, Alosa pseudoharengus, Osmerus mordax. Feeding ecology - food items, seasonal variations.

Garlov, P.E. (1969) 17-6B134
Dokl.biol.Sci., 189(1-6):863-6
Ultrastructural organization of the neurohypophysis in sturgeons

En 17-6B033.

Chan, D.K.O., I.C. Jones & W. Mosley (1968) 17-6B135
J.Endocr., 42:91-8
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England. Anguillidae. Physiology - osmoregulation, experiments.
IABS 52(2)6988.

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J.Endocr., 42:109-17
Regulation and distribution of plasma Ca and inorganic phosphate in the European eel (Anguilla anguilla L.)

England. Anguillidae. Physiology - osmoregulation, experiments.
IABS 52(2)6989.

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Comp.Biochem.Physiol., 26:455-66
Ammonia and urea production and excretion in fresh-water adapted form of Pacific lamprey, Entosphenus tridentatus

USA. Petromyzontidae. Biochemistry, enzymes.
IABS 52(2)6995.

Ishiwata, N. (1969) 17-6B138
Bull.Jap.Soc.scient.Fish., 35(11):1049-54
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Japan. Trachurus japonicus. Fugu vermicularis. Stephanolepis cirrhifer. Salmo gairdnerii. Experiments. Daily rate of feeding and growth - formula, statistical correlations.
Co 17-6B099.

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Bull.Jap.Soc.scient.Fish., 35(11):1060-6
Food and feeding behavior of Pacific salmon. 2. Sequential change of stomach contents

Japan - INW. Salmonidae. Oncorhynchus. Salmo. Food organisms - diurnal variations. Digestion rate.
Co 14-6M377.

Poluhowich, J.J. (1970) 17-6B140
Comp.Biochem.Physiol., 34(3):739-43
An electrophoretic comparison of hemoglobins from American and European eels

ANW, ANE. Anguilla rostrata, Anguilla anguilla. Biochemistry, hemoglobin structure - interspecific pattern variation.

Pippy, J.H.C. & G.M. Hare (1969) 17-6B141
Trans.Am.Fish.Soc., 98(4):685-90
Relationship of river pollution to bacterial infection in salmon (Salmo salar) and suckers (Catostomus commersoni)

Canada - New Brunswick. Salmonidae, Catostomidae. Bacterial disease - Aeromonas liquefaciens, effects of copper and zinc pollution.

Incerpi, A. & K. Warner (1969) 17-6B142
Trans.Am.Fish.Soc., 98(4):720-3
Fecundity of landlocked salmon, Salmo salar

USA, Maine - ASW. Salmonidae. Number and size of eggs - statistical analysis, volumetric measurements.

Bentley, W.W. & H.L. Raymond (1969) 17-6B143
Trans.Am.Fish.Soc., 98(4):723-7
Passage of juvenile fish through orifices in gatewells of turbine intakes at McNary Dam

USA, Washington. Salmonidae. Bypassing method, experiments - passage efficiency.

Halver, J.E., L.M. Ashley & R.R. Smith (1969) 17-6B144
Trans.Am.Fish.Soc., 98(4):762-71
Ascorbic acid requirements of coho salmon and rainbow trout

USA, Washington - INE. Oncorhynchus tshawytscha, Salmo gairdneri. Dietry experiments. Effects on growth - lordosis, scoliosis, mortality. Histopathology.

Burrows, R.E. (1969) 17-6B145
Trans.Am.Fish.Soc., 98(4):777-84
The influence of fingerling quality on adult salmon survivals

USA, Washington - INE. Oncorhynchus tshawytscha. Blood and muscle tissues - physiological and chemical characteristics. Fatigue tests.

Amend, D.F., W.T. Yasutake & R.W. Mead (1969) 17-6B146
Trans.Am.Fish.Soc., 98(4):796-804
A hematopoietic virus disease of rainbow trout and sockeye salmon

USA, Washington - INE. Salmo gairdneri, Oncorhynchus nerka - hematopoietic necrosis. Symptomatology, histopathology, etiology.

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Annls biol.,Copenh., 25(1968):265 p.

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Contains articles by: S.A. Malmberg; A. Meyer; J. Smed; V. Penin & L. Zvereva; A.I. Mukhin; K. Ehricke; D.J. Ellett, S.R. Jones & G. Read; T.C. Doddington & S.R. Jones; M.P. Visser & E. Wiggers; L. Otto & E. Wiggers; S.B. Tijssen; H. Thomsen; A. Svansson; A. Glowinska; M.V. Kaleis & E.A. Yula; S.H. Fonselius; R.S. Glover & G.A. Robinson; V. Bainbridge & G.A. Cooper; J.H. Fraser & D.D. Seaton; J.A. Adams & I.E. Baird; M.P. Visser; M.P. Vitinja; L. Zmudzinski; A. Hylen; J. Jónsson; V. Samaryov; V. Ponomarenko; G. Nizovtsev; R. Jones & A.S. Jermyn; F. Thurow; N.P. Biriukov; G.B. Grauman; I. Lablaika; D. Uzars; Z. Baranova; M.A. Sonina; G. Wagner; A.S. Polonsky; J.R.G. Hislop & A.S. Jermyn; J.J. Zijlstra; H. Vilhjálmsson; J. Jakobsson; I.G. Yudanov; K. Schubert; F. Devold; O. Dragesund; A. Vilson; R.J. Wood & W.G. Parnell; K.H. Postuma; J. Popiel, J. Sosinski & R. Dlugosz; S. Haraldsvik; J.J. Zijlstra & K.H. Postuma; H. Ackefors; J. Popiel & K. Strzyzewska; L.N. Lisivnenko & M.N. Lishev; L. Rannak & E. Ojaveer; V. Sjöblom; A. Maucorps; J.P. Molloy; P.O. Johnson; G. Rauck; G.B. Grauman; A.V. Seletskaya; F. Thurow; A.R. Mitans; B. Ievtjukhova; G. Nizovtsev; W. Cieglewicz & Z. Reimann; M. Vitinsh; T. Berger & R. Cheremisina; V.I. Sauskan & G.N. Semenov; V.K. Zilanov & S.I. Bogdanov; K. Tiews; B.B. Rae & S.F. Pirie; R.W. Blacker.

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Nature,Lond., 228(5269):378-9
Branchial reduction and renal stimulation of (Na+, K+)-ATPase by prolactin in hypophysectomized killifish in fresh water

USA. Fundulus heteroclitus. Physiology - hormones, osmoregulation. Enzyme assays.

Nikonorov, I.V. & A.Kh. Pateev (1968) 17-6B149
Ryb.Khoz., 44(9):11-2
Vliianie zvukovogo i elektromagnitnogo polei na povedenie Kaspiiskoi kil'ki
(The effect of sound and of electromagnetic fields on the behaviour of Caspian kilka)

USSR. Clupeonella engrauliformis. Experiments.

Nikonorov, I.V. & A.Kh. Pateev (W.E. Ricker, Transl.)(1970) 17-6B150
Transln Ser.Fish.Res.Bd Can., (1358):3 p.
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En 17-6B149.

Ozernyuk, N.D. (1970) 17-6B151
Dokl.Akad.Nauk SSSR, 190(1):245-8
(Role of ATP in regulation of respiration during maturation of sea urchin and loach eggs). Ru

USSR. Strongylocentrotus, Misgurnus.
Embryology, metabolism - respiration rate.

Ozernyuk, N.D. (1970) 17-6B152
Dokl.biol.Sci., 190(1-6):23-5
Role of ATP in regulation of respiration during maturation of sea urchin and loach eggs

En 17-6B151.

Nicol, J.A.C. (1969) 17-6B153
Contr.mar.Sci., 14:5-18
The tapetum lucidum of the sturgeon

USA, Oregon. Acipenser transmontanus.
Visual organ - histology, role of pigment epithelium.

Moseley, F.N. & B.J. Copeland (1969) 17-6B154
Contr.mar.Sci., 14:37-45
A portable drop-net for representative sampling of nekton

USA, Texas. Fish and shrimp - standing crop determination, shallow waters.
Technical description, operation, experimental data.

Haefner, P.A.,Jr. (1969) 17-6B155
Biol.Bull.mar.biol.Lab.,Woods Hole, 137(3):438-46
Osmoregulation of Crangon septemspinosa Say (Crustacea: Caridea)

USA, Maine - ANW. Experimental physiology.
Internal salinity - effects of environmental temperature and salinity, survival limits.

Willemse, J.J. (1969) 17-6B156
J.Helminth., 43(1/2):207-22
The genus Proteocephalus in the Netherlands

Ichthyoparasitology - Osmerus, Acerina, Anguilla, Perca, Salmo, Platichthys.
Taxonomy and morphology of parasite species. Host specificity - transference infestation experiments.
HA 39(2)1446.

Kingston, N., W.A. Dillon & W.J. Hargis, Jr. (1969) 17-6B157
J.Parasit., 55(3):544-58
Studies on larval Monogenea of fishes from the Chesapeake Bay area. Part 1.

USA. ANW. Ichthyoparasitology. Embryological development of parasites - eggs and oncomiracidia stages, relation to taxonomy.
HA 39(2)1499.

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Parazitologiia, 3(2):164-7
(On the systematics of digenetic trematodes of the genus Skrjabinopsolus Ivanov, 1934).
Ru En

USSR - Caspian Sea. Ichthyoparasitology - Acipenseridae. Taxonomy of parasites.
HA 39(2)1519.

Margolis, L. (1968) 17-6B159
Res.Bull.Meguro parasit.Mus., (2):23-44
Review of the Japanese species of Cystidicola, Metabronema and Rhabdochona (Nematoda) from salmonoid fishes

Japan. Ichthyoparasitology - Salmonidae.
Taxonomy of parasites - new classification.
HA 39(2)1651.

Cushing, D.H. (1969) 17-6B160
J.Cons.perm.int.Explor.Mer, 33(1):81-92
The regularity of the spawning season of some fishes

INE, ISE, ANE. Sardinops, Engraulis, Clupea, Oncorhynchus, Gadus, Pleuronectes.
Yearly distribution of mean date of spawning and mean date of capture - statistical analysis.

Blaxter, J.H.S. & M. Staines (1970) 17-6B161
J.mar.biol.Ass.U.K., 50(2):449-60
Pure-cone retinae and retinomotor responses in larval teleosts

UK, England and Scotland - ANE. Canary Islands - ASW. Africa - Lake Chad. Clupeidae, Salmonidae, Anguillidae, Macruridae, Gadidae, Centropomidae, Gobiidae. Gasterosteidae, Pleuronectidae, Soleidae. Retinal structure, visual cells. Retina development - changes during metamorphosis. Retinomotor tests.

Leloup-Hatey, J. (1970) 17-6B162
Gen.comp.Endocr., 15:388-97
Influence de l'ablation des corpuscles de Stannius sur le fonctionnement de l'interrénal de l'Anguille (Anguilla anguilla L.)
(The effect of surgical removal of the corpuscles of Stannius on the interrenal function in the eel (Anguilla anguilla L.))

Measurement of weight changes of interrenal tissue, in vitro synthetic products, and plasma total 17-hydroxy-corticosteroid level.

Skinner, D.M. & D.E. Graham (1970) 17-6B163
Science, 169(3943):383-5
Molting in land crabs: Stimulation by leg removal

ASW - Bermuda Islands. Gecarcinus lateralis. Physiology, experiments.

Panyushkin, Yu.A. & B.N. Tarusov (1968) 17-6B164
Probl.Ichthyol., 8(5):757-9
Role of lipid antoxidants in the adaptation of fishes to varying osmotic conditions

USSR, Caspian Sea, Volga River. Acipenser stellatus. Spawning migration. Examination of liver, blood plasma and gills.

Wilkins, N.P. (1970) 17-6B165
Biochim.Biophys.Acta, 214:52-63
The sub-unit composition of the haemoglobins of the Atlantic salmon (Salmo salar L.)

Scotland. Electrophoresis - genetics and ontogeny.
Issued also as: Mar.Repr.mar.Lab.,Aberdeen, (425).

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Copeia, (2):270-4
A new species of poeciliid fish of the genus Limia from the island of Grand Cayman, B.W.I.

ASW. Limia caymanensis sp nov
Description, distribution, habits, ecology, affinities and key to species.

Stoklosowa, S. (1970) 17-6B167
Copeia, (2):332-9
Further observations on the sexual dimorphism in the skin of Salmo trutta trutta in relation to sexual maturity

Poland. Histology of skin and gonads.

Warner, K. (1970) 17-6B168
Copeia, (2):358-60
Age and growth of brook trout, Salvelinus fontinalis, in some northern Maine streams

USA. Annual survival and mortality rates.

Sanders, B.G. (1970) 17-6B169
Copeia, (2):367-70
Hemoglobin studies in three species and a hybrid trout (Salmonidae)

AN. Salmo gairdnerii, Salmo trutta, Salvelinus fontinalis, and Salmo trutta x Salvelinus fontinalis hybrid.
Electrophoretic, solubility and crystalline properties.

Kravchinskii, B.D. (1970) 17-6B170
Transln Ser.Fish.Res.Bd Can., (1370): 67 p.
Automatism and reflex in the activity of the respiratory centre in vertebrates

Pisces, Amphibia, Mammalia.
En 1945, B.D. Kravchinskii.

Volovik, S.P. (1968) 17-6B171
Izv.tikhookean.nauchno-issled.Inst.ryb. Khoz.Okeanogr., 65:263-72
O potreblenii kisloroda i pishchevykh ratsionakh molodi lososevykh iz rek Sakhalina
(Oxygen consumption and food rations of young salmon in the rivers of Sakhalin)

USSR. Salvelinus leucomaenis, Oncorhynchus masou, Oncorhynchus gorbuscha, Hucho taimen.

Volovik, S.P. (1970) 17-6B172
Transln Ser.Fish.Res.Bd Can., (1453): 13 p.
Oxygen consumption and food rations of young salmon in the rivers of Sakhalin

En 17-6B171.

Ivankov, V.N. (1968) 17-6B173
Izv.tikhookean.nauchno-issled.Inst.ryb. Khoz.Okeanogr., 65:75-9
K metodike opredeleniia vozrasta gorbushi (A method of determining the age of pink salmon (Oncorhynchus gorbuscha)

USSR. INW. Kurile Islands. Analysis of sclerites on scales.

Ivankov, V.N. (1970) 17-6B174
Transln Ser.Fish.Res.Bd Can., (1440): 11 p.
A method of determining the age of pink salmon (Oncorhynchus gorbuscha)

En 17-6B173.

Petrushevsky, G.K. & E.P. Kogteva (L. Margolis, Transl.) (1970) 17-6B175
Transln Ser.Fish.Res.Bd Can., (1405): 16 p.
Effect of parasitic diseases on the condition of fish

USSR, ANE. Parasites of Coregonus, Cyprinus, Gadus, Myoxocephalus, Salmo, Acerina, Osmerus.
En 1954, G.K. Petrushevsky & E.P. Kogteva.

Strelkov, Yu.A. (L. Margolis, Transl.)(1970) 17-6B176
Transln Ser.Fish.Res.Bd Can., (1495):4 p.
On the systematics of the genus Tetraonchus Diesing, 1850

USSR. Trematoda parasitic on Salmonidae. Tetraonchus (Salmonchus) roytmani sp nov and Tetraonchus (Salmonchus) pseudolenoki sp nov parasitic on Brachymystax. Tetraonchus (Salmonchus) spasskyi sp nov parasitic on Hucho. Description, distribution.
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(Some peculiarities of linear growth and scale structure of Pacific salmon)

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(Feeding juvenile chum salmon with walleye pollock Theragra chalcogramma eggs and its effect on their subsequent development)

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USSR, Caspian Sea. Acipenser sturio. Spawning migration, feeding grounds, Volga and Ural populations in the North Caspian.

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(The tertiary vitelline cells of Astacus fluviatilis (Crustacea malacostraca, Decapoda))

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(Immunological and electrophoretic studies on the systematics and biology of salmonid fish). It En Fr

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Yamazaki, F. (1969) 17-6F129
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(The gonadotropin of fishes). Ni

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(Sewage purification by photosynthetic bacteria and its use as a fish-feed).
Ni En

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(Length growth in Alestes baremoze (Joannis, 1835) (Pisces, Characidae) of the lower region of the River Chari and Lake Chad).
En

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(The Salmo trutta marmoratus). It

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1M038 1M039 1M047 1M050
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6M499 6M507 6B069 6B090
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4M029 4M032 4M036 to
4M041 4M044 4M045 4M047
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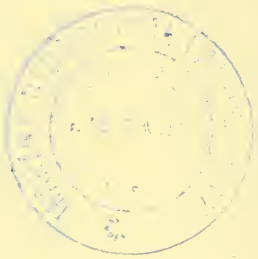

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