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1. Bulletin of the Scripps Institution for Biological Research
2. Bulletin of the Scripps Institution of Oceanography
3. Bulletin (Non-Technical) of the Scripps Institution of Oceanography
4. Bulletin of the Scripps Institution of Oceanography. Technical series
5. Bulletin of the Scripps Institution of Oceanography

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Bulletin of the Scripps Institution for Biological Research

Number 1

Dedicatory addresses. David Starr Jordan, Daniel Trembly MacDougal, George Howard Parker, and William E. Ritter. 1916.

Number 2

Biology's contribution to a system of morals that would be adequate for modern civilization. A paper read at the San Diego meeting of the Western Society of Naturalists, August 11, 1916. William E. Ritter. 1917.

Number 3

Modern conceptions of heredity and genetic studies at the Scripps Institution. Francis Bertody Sumner. 1917.

Number 4

Field research and laboratory experiment: their places in ascertaining and explaining habits in nature. Calvin O. Esterly. 1917.

Number 5

Resources of the North Pacific Ocean: their extent, utilization and conservation. William E. Ritter. 1918.

Number 6

The value to mankind of humanely conducted experiments upon living animals. Francis Bertody Sumner. 1918.

Number 7

Oceanic circulation and its bearing upon attempts to make seasonal weather forecasts: a sketch of observational methods and explanations. George Francis McEwen. 1918.

Number 8

The problem of the Pacific. William E. Ritter. 1919.

Number 9

Papers on the exploration of the North Pacific Ocean. William E. Ritter, Barton W. Evermann, John N. Cobb, Ellis L. Michael, George F. McEwen, Edward A. Beals, George D. Louderback. 1919.

Number 10

Heredity, environment, and responsibility. Francis Bertody Sumner. 1921.

Number 11

Animal life and human life. Francis Bertody Sumner. 1923.

Bulletin of the Scripps Institution of Oceanography

Number 12

Conference on the physical oceanography and marine meteorology of the northeast Pacific and the climate of the western part of the United States, November 6 and 7, 1925. 1926.

Bulletin (Non-Technical) of the Scripps Institution of Oceanography

Number 13

Pressing needs in the field of biological oceanography. Winfred Emory Allen. 1927.

Number 14

Dynamical oceanography and certain elements of hydrodynamics upon which it is based. George Francis McEwen. 1927.

Number 15

Presentation and acceptance of a portrait of Dr. William Emerson Ritter, first director of the Scripps Institution, presented by Miss Ellen Browning Scripps to the Scripps Institution of Oceanography, University of California. Addresses on occasion of presentation of portrait of Dr. William Emerson Ritter. Fred Baker, T. Wayland Vaughan, W.W. Campbell. 1928.

Number 16

Correlation of the field with the laboratory researches in marine biology. William E. Ritter. 1930.

Bulletin of the Scripps Institution of Oceanography. Technical series

Volume 1, no. 1, pages 1-17

Effect of tidal changes on physical, chemical, and biological conditions in the sea water of the San Diego region. Erik G. Moberg and Winfred Emory Allen. 1927.

Part I. Moberg. Observations on the effect of tidal changes on physical and chemical conditions of sea water in the San Diego region.

Part II. Allen. Half-hourly collections of marine microplankton taken at the Scripps Institution pier in 1923.

Volume 1, no. 2, pages 19-29

Quantitative studies on inshore marine diatoms and dinoflagellates of southern California in 1921. Winfred Emory Allen. 1927.

Volume 1, no. 3, pages 31-38

Quantitative studies on inshore marine diatoms and dinoflagellates of southern California in 1922. Winfred Emory Allen. 1927.

Volume 1, no. 4, pages 39-48

Surface catches of marine diatoms and dinoflagellates made by U. S. S. "Pioneer" in Alaskan waters in 1923. Winfred Emory Allen. 1927.

Volume 1, no. 5, pages 49-61

Studies on marine diatoms and dinoflagellates caught with the Kofoid Bucket in 1923. Henry P. Dorman. 1927.

Volume 1, no. 6, pages 63-72

Notes on cestodes and trematodes of marine fishes of southern California. George F. Sleggs. 1927.

Volume 1, no. 7, pages 73-89

Quantitative studies on marine diatoms and dinoflagellates at four inshore stations on the coast of California in 1923. Dorman. 1927.

Volume 1, no. 8, pages 91-92

Pelagic fish eggs off La Jolla, California. Percy Spencer Barnhart. 1927.

Volume 1, no. 9, pages 93-117

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Volume 1, no. 10, pages 119-188

Recent Foraminifera from off the west coast of America. Joseph A. Cushman. 1927.

Volume 1, no. 11, pages 189-196

Surface catches of marine diatoms and dinoflagellates off the coast of Oregon by U.S.S. "Guide" in 1924. Ralph Lewis. 1927

Volume 1, no. 12, pages 197-200

Surface catches of marine diatoms and dinoflagellates from Pacific high seas in 1925 and 1926. Winfred Emory Allen and Ralph Lewis. 1927

Volume 1, no. 13, pages 201-246

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Volume 1, no. 14, pages 247-345

The periodic occurrence of Copepoda in the marine plankton of two successive years at La Jolla, California. Calvin O. Esterly. 1927

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Volume 1, no.16, pages 357-401

Review of five years of studies on phytoplankton at southern California piers, 1920-1924 inclusive. Winfred Emory Allen. 1928

Volume 2, no. 1, pages 1-137

Methods of estimating the significance of differences in or probabilities of fluctuations due to random sampling numerical illustrations, formulae, and tables prepared especially for estimating probabilities when the usual "method of least squares" or "normal law of error" may not apply. George Francis McEwen. 1929.

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The food habits of the California sardine in relation to the seasonal distribution of microplankton. Ralph Charles Lewis. 1929.

Volume 2, no. 4, pages 181-187

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Volume 2, no. 5, pages 189-196

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Volume 2, no. 6, pages 199-306

A mathematical theory of the vertical distribution of temperature and salinity in water under the action of radiation, conduction, evaporation, and mixing due to the resulting convection. Derivation of a general theory, and illustrative numerical applications to a tank, a lake, and a region of the north Pacific Ocean. George Francis McEwen. 1929.

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Influence of varying oxygen tension upon the rate of oxygen consumption of fishes. Ancel Benjamin Keys. 1930.

Volume 2, no. 8, pages 319-329

Methods in quantitative research on marine microplankton. Winfred Emory Allen.1930

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Ecologic relations of some Foraminifera. Richard Drake Norton. 1930.

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Quantitative studies of surface catches of marine diatoms and dinoflagellates taken in Alaskan waters by the International fisheries commission in the fall and winter of 1927-1928 and 1929. Winfred Emory Allen. 1930

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Results of evaporation studies conducted at the Scripps Institution of Oceanography and the California Institute of Technology. George Francis McEwen. 1930.

Volume 2, no. 12, pages 417-490

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Volume 3, no. 1, pages 1-32

Description of deep-sea bottom samples from the western north Atlantic and the Caribbean sea. Eldon M. Thorp. 1931.

Volume 3, no. 2, pages 33-35

Some experiments on the influence of light and poisons on marine copepods, with reference to their daily migration, by Vladimir Vasilevich Lepeschkin. 1931.

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Season of attachment and rate of growth of sedentary marine organisms at the pier of the Scripps Institution of Oceanography, La Jolla, California. Wesley Roswell Coe. 1932.

Volume 3, no. 4, pages 87-99

Notes on the habits, eggs, and young of some fishes of southern California. Percy Spencer Barnhart. 1932.

Volume 3, no. 5, pages 101-118

A sinker method for the determination of specific gravities. Nephi Willard Cummings. 1932.

Volume 3, no. 6, pages 119-144

Development of the gonads and the sequence of the sexual phases in the California oyster (*Ostrea lurida*). Wesley Roswell Coe. 1932.

Volume 3, no. 7, pages 145-190

Calcium equilibrium in sea water. I. Theoretical considerations. II. Equilibrium in sealed bottles shaken at constant temperature. III. Empirical variation of gas phase. IV. Apparatus for eliminating bacterial activity in chemical studies. V. Preliminary experiments on precipitation by removal of carbon dioxide under aseptic conditions. VI. Report on precipitate obtained by removal of carbon dioxide from sea water. Haldane Gee, Erik G. Moberg, D.M. Greenberg, and Roger Revelle. 1932.

Volume 3, no. 8, pages 191-200

Bacteriological water sampler. Haldane Gee. 1932.

Volume 3, no. 9, pages 201-224

The structure, functions, and general reactions of the marine sipunculid worm *Dendrostoma zostericola*. Florence Peebles. 1933.

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The temperature and depth-distribution of some recent and fossil Foraminifera in the southern California region. Manley Leonard Natland. 1933.

Volume 3, no. 11, pages 231-278

The buffer mechanism of sea water. Erik Gustaf Moberg. 1934.

Volume 3, no. 12, pages 279-295

Preliminary studies on the distribution and characteristics of marine bacteria. Claude E. ZoBell and Catharine B. Feltham. 1934.

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Studies on catalase from the California mussel. Graham W. Marks and Denis Llewellyn Fox. 1934.

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The air masses of the north Pacific. Horace Robert Byers. 1934.

Volume 3, no. 15, pages 355-391

The life history of *Patellina corrugate* Williamson, a foraminifer. Earl Hamlet Myers. 1935.

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The habitat and food of the California sea mussel. Denis Llewellyn Fox. 1936.

Volume 4, no. 2, pages 65-70

Pachytilus pacificus and *Centraugaptilus porcellus*, two new copepods from the north Pacific. Martin Wiggo Johnson. 1936.

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Concerning the copepod *Eucalanus elongatus* Dana and its varieties in the northeast Pacific. Martin Wiggo Johnson. 1938.

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The waters off the coast of southern California, March to July 1937. Harald Ulrik Sverdrup. 1941.

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Marine plankton diatoms of the west coast of North America. Easter Ellen Cupp. 1943.

Volume 5, no. 2, pages 239-292

A list of marine bacteria including descriptions of sixty new species. Claude E. ZoBell and Harvey C. Upham. 1944.

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Seasonal occurrence of marine plankton diatoms off southern California in 1938. Winfred Emory Allen. 1945

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Vernal distribution of marine plankton diatoms offshore in southern California in 1940. Winfred Emory Allen. 1945.

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Pontinus vaughani, a new scorpaenid fish from Baja California. Percy Spencer Barnhart and Carl L. Hubbs. 1946.

Volume 5, no. 6, pages 391-527

The tsunami of April 1, 1946. Francis Parker Shepard, G.A. Macdonald, and D.C. Cox. 1950.

Volume 6, no. 1, pages 1-24

The effect of islands on surface waves. Robert S. Arthur. 1951.

Volume 6, no. 2, pages 27-122

The energy exchange between sea and atmosphere and some of its consequences. Woodrow Cooper Jacobs. 1951.

Volume 6, no. 3, pages 123-160

Meristic variations and populations of northern anchovy (*Engraulis mordax mordax*). J. L. McHugh. 1951.

Volume 6, no. 4, pages 161-172

The food of albacore (*Germo alalunga*) off California and Baja California. J. L. McHugh. 1952.

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Bathypelagic nemerteans of the Pacific Ocean. Wesley Roswell Coe. 1954.

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The Euphausiacea (Crustacea) of the North Pacific. Brian P. Boden, Martin W. Johnson, and Edward Brinton. 1955.

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Slopes of the sea surface deduced from photographs of sun glitter. Charles Cox and Walter Munk. 1956.

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Sea temperature in the Gulf of Alaska and in the northeast Pacific Ocean, 1941-1952. Margaret King Robinson. 1957.

Volume 7, no. 2, pages 99-167

Pelagic polychaetes of the Pacific Ocean. Rodney Phillips Dales. 1957.

Volume 7, no. 3, pages 169-281

An oceanographic description of the eastern tropical Pacific. Warren S. Wooster and Townsend Cromwell. 1958.

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Spectra of low-frequency ocean waves. Walter H. Munk, F. E. Snodgrass, and M. J. Tucker. 1959.

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Radiance distribution as a function of depth in an underwater environment. John E. Tyler. 1960.

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Two new Pacific Chaetognaths: their distribution and relationship to allied species. Angeles Alvarino. 1962.

Volume 8, no. 2, pages 51-269

The distribution of Pacific euphausiids. Edward Brinton. 1962.

Volume 8, no. 3, pages 271-312

Deep-sea moorings; design and use with unmanned instrument stations. John D. Isaacs [and others]. 1963.

Volume 8, no. 4, pages 313-344

The horizontal and vertical field of motion in the Peru Current. Klaus Wyrki. 1963.

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Armored dinoflagellates of the Gulf of California. Karl W. Klement. 1964.

Volume 9

The equatorial undercurrent of the Indian Ocean as observed by the Lusiad Expedition. Bruce A. Taft and John A. Knauss. 1967.

Volume 10

External and internal characters, horizontal and vertical distribution, luminescence, and food of the dwarf pelagic shark, *Euprotomicrus bispinatus*. Carl L. Hubbs, Tamotsu Iwai, and Kiyomatsu Matsubara. 1967.

Volume 11

Radiolaria in pelagic sediments from the Indian and Atlantic Oceans. Catherine Nigrini. 1967.

Volume 12

A revision of the genus *Clausocalanus* (Copepoda: Calanoida) with remarks on distributional patterns in diagnostic characters. Bruce Frost and A. Fleminger. 1968.

Volume 13

Anomalies of geomagnetic variations in the Southwestern United States. Ulrich Schmucker. 1970.

Volume 14

Systematics, distribution, and abundance of the epipelagic squid (Cephalopoda, Decapoda) larvae of the California Current, April, 1954- March, 1957. Takashi Okutani and John A. McGowan. 1969.

Volume 15

The Demosomatidae (Isopoda. Asellota) of the Gay Head-Bermuda Transect. Robert Raymond Hessler. 1970.

Volume 16

Siphonophores of the Pacific, with a review of the world distribution. Angeles Alvarino. 1971.

Volume 17

The Ecology of the plankton off La Jolla, California, in the period April through September, 1967. Edited by J. D. H. Strickland. 1970.

Volume 18

Systematics, variation, distribution, and biology of rockfishes of the subgenus *Sebastes* (Pisces, Scorpaenidae, *Sebastes*). Lo-chai Chen. 1971.

Volume 19

The palinurid and scyllarid lobster larvae of the tropical eastern Pacific, and their distribution as related to the prevailing hydrography. Martin Wiggo Johnson. 1971.

Volume 20

Developmental and growth studies of the Euphausiid *Nematoscelis difficilis* (Crustacea) based on rearing. K. Gopalakrishnan. 1973.

Volume 21

Variation of spotted and spinner porpoise (genus *Stenella*) in the Eastern Pacific and Hawaii. William F. Perrin. 1975.

Volume 22

The distribution and ecology of Radiolaria in the central Pacific : plankton and surface sediments. G. W. Renz. 1976.

Volume 23

The biogeography and numerical taxonomy of the oegopsid squid family Ommastrephidae in the Pacific Ocean. John H. Wormuth. 1976.

Volume 24

The limits and relationships of the Lutjanidae and associated families. G. David Johnson. 1980.

Volume 25

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Volume 26

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Volume 27

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Volume 28

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Volume 29

Taxonomy and distribution of the marine calanoid copepod family Euchaetidae. Taisoo Park. 1995.

Volume 30

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Volume 31

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