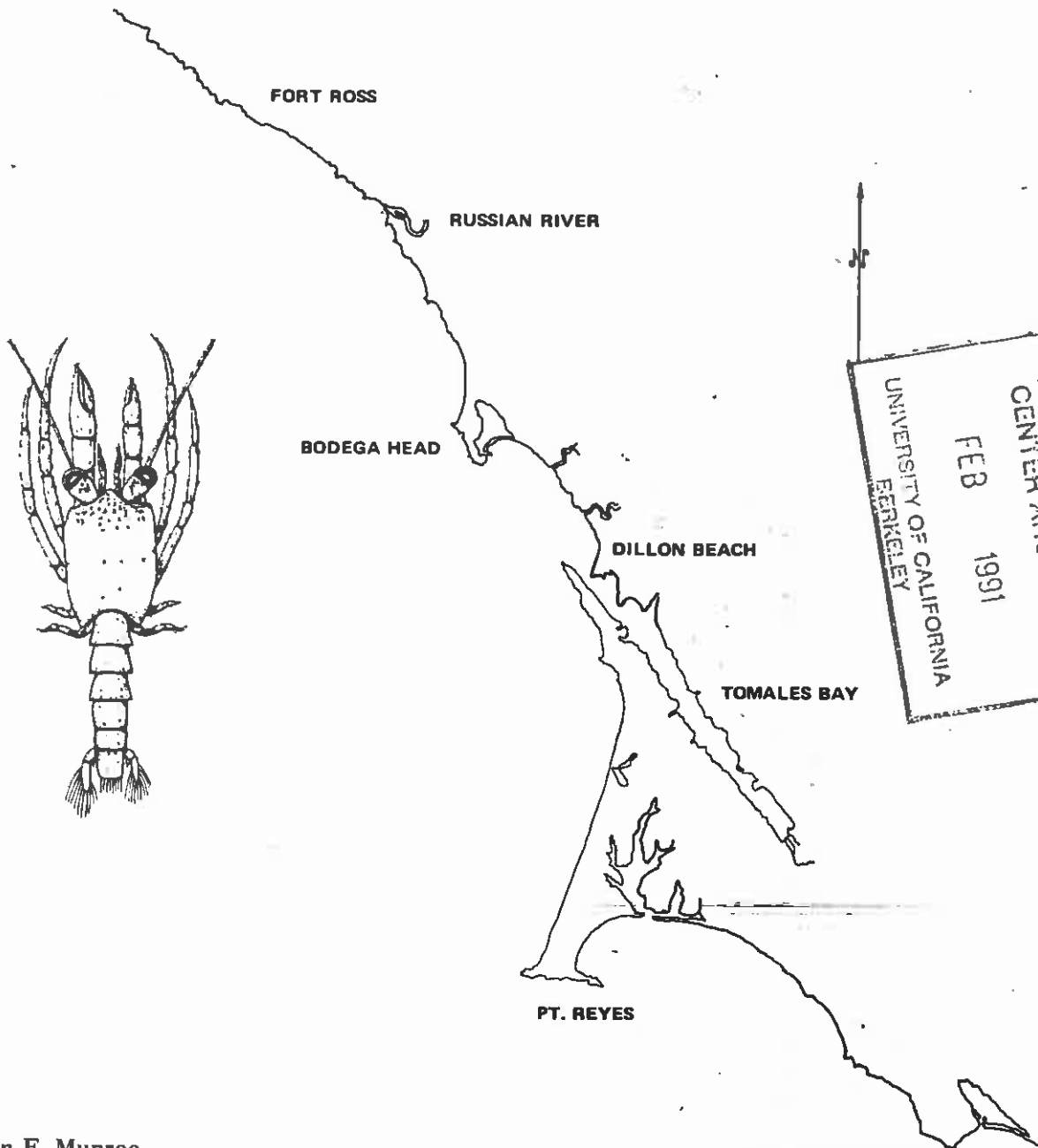


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**BIBLIOGRAPHY OF MARINE RESEARCH OF TOMALES
AND BODEGA BAYS, CALIFORNIA**

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Jean F. Munroe

With an Addenda by
Jean F. Munroe &
James A. Blake

Pacific Marine Station
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Research Report Number 13
1975

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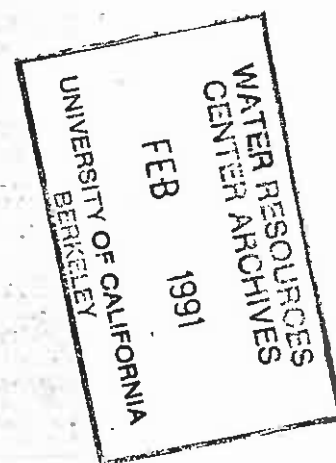
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BIBLIOGRAPHY OF MARINE RESEARCH
OF TOMALES AND BODEGA BAYS, CALIFORNIA¹

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INTRODUCTION

Statement of purpose.--A bibliography of marine research conducted on Tomales and Bodega Bays, California is designed to aid the scientists in this area. Much of the available material is not indexed by area, and hence remains unknown to the workers of the area. Bibliographies of this type have been prepared for other areas, and are valuable research tools.

In the preparation of this bibliography, an attempt was made to compile most of the published work on the marine flora and fauna of the waters and shores of Tomales and Bodega Bays. These are two adjacent bays located about 40 miles north of San Francisco (Figure 1). Two marine research facilities are located on the shores of these two bays: Pacific Marine Station of the University of the Pacific at Dillon Beach, and Bodega Marine Laboratory of the University of California at Bodega Bay. The Pacific Marine Station was established in 1947, and the Bodega Marine Laboratory was established in 1966. Both of these facilities are primarily for graduate study and research. It is expected that this bibliography will be a useful tool for the students, faculty, and visiting investigators of the laboratories.

Citations included in the bibliography include only publications and unpublished theses based on studies conducted on organisms taken

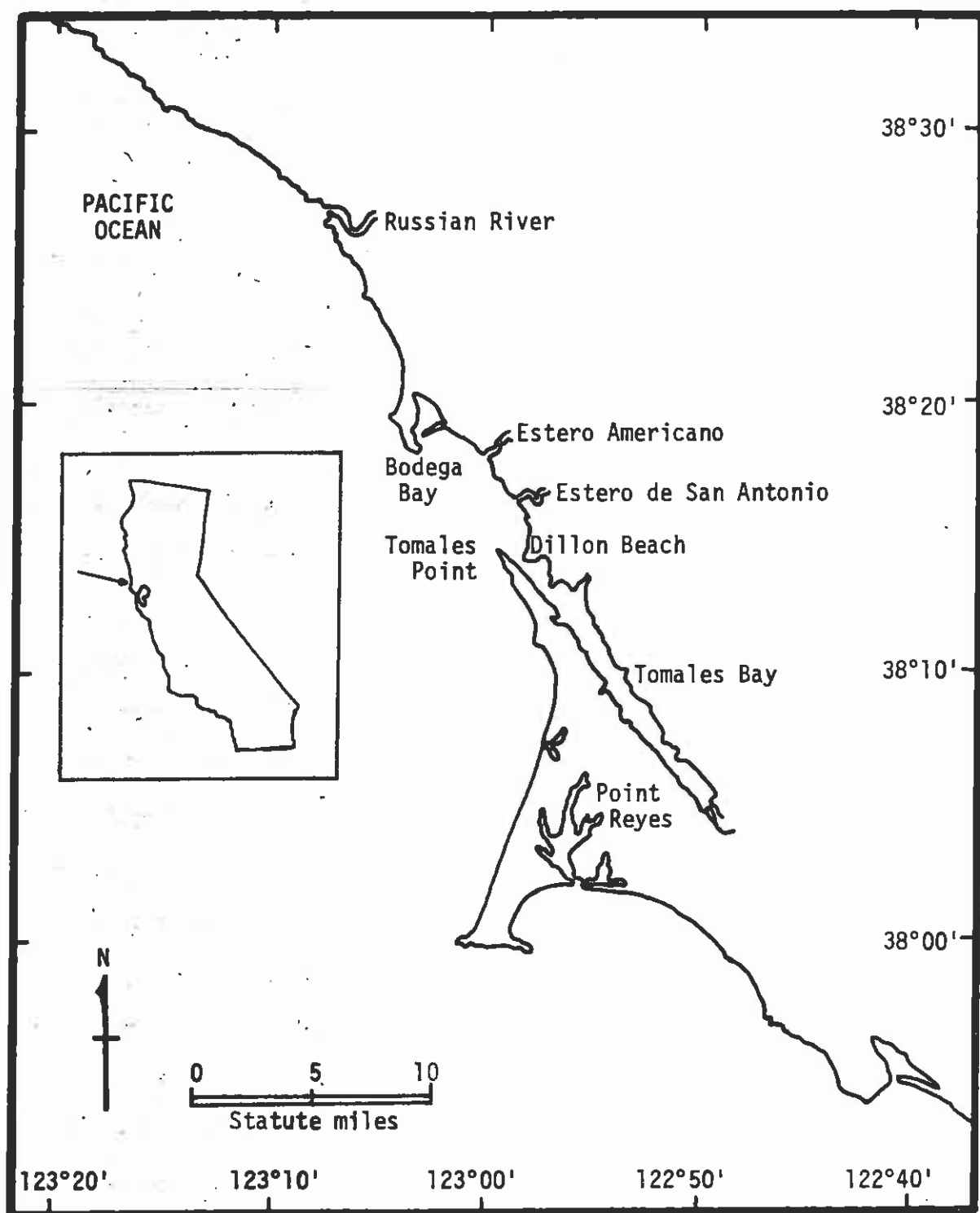


Figure 1. Map of area included in the bibliography

from the waters and shores of the bays. There are numerous other publications on the organisms which occur in this area, but the actual organisms studied were not taken from this area, and these papers have not been included in the bibliography.

Procedure for searching.--The major index searched for citations was: Oceanic Index and Citation Journal, which began in 1964. This index was searched by the names of the bays, California, California central coast, California coast, and California north coast, from volume one through volume eight, number five, November 1971.

The University of California Publications in Zoology, University of California Publications in Botany, Proceedings of the California Academy of Sciences and California Academy of Sciences Memoirs were examined for appropriate papers. The publications of the U. S. Bureau of Commercial Fisheries and the Department of Fish and Wildlife were also examined. The publications of the state of California, primarily California Fish and Game, and California Fish and Game, Fish Bulletins were also examined.

The theses at the Pacific Marine Station were examined. The theses at the University of California at Berkeley in Botany and Zoology were examined, Master's theses since May 1924, and Ph. D. theses since May 1941.

As a final step, the bibliographies of some of the monographs and papers included in the bibliography have been examined for appropriate citations. The major monograph used was Between Pacific Tides by Edward F. Ricketts and Jack Calvin.

The bibliography also includes some random searching, and some

citations have been added by people who have worked in the area and are familiar with some of the literature. The bibliography had its initial start at Pacific Marine Station under the direction of Dr. Ralph G. Johnson of the University of Chicago and Dr. John A. Juskevics of Western Illinois University. At that time, most of the literature searching was very random.

Citation format authority.--The format for citations was based on the rules in the Style Manual for Biological Journals, 2d ed., prepared by the Committee on Form and Style in the Conference of Biological Editors, and published by the American Institute of Biological Sciences in 1964. The rules for the abbreviation of serial publications in this manual were not used. The list prepared and used for Biological Abstracts was used. This style manual was chosen because the bibliography was prepared primarily for use by biologists.

Corporate author entry authority.--When a publication was included whose author was a company or the like, the form of entry followed the rules in the Anglo-American Cataloging Rules, North American text, prepared by the American Library Association, the Library of Congress, the Library Association, and the Canadian Library Association and published in 1970.

Journal abbreviation authority.--The names of serial publications were abbreviated according to the Biological Abstracts List of Serials with Title Abbreviations, 1969 edition. If a title could not be found in the list, it was derived from it, if possible.

Procedure for dual publication.--When a publication is included which has been published in more than one place, it is cited by the

most accessible form, with a note as to where else it has been published. In the case of theses that have been published, they are cited both ways.

Preparation of the bibliography.--Bibliographic citations were typed on pre-punched cards (Figure 2). These cards are available from E-Z Sort Systems, Ltd., 351 Bryant Street, San Francisco, California 94107. The card used was designed for a special project at the Marine Biological Laboratory at Woods Hole, Massachusetts, and it has been modified for use in this bibliography. The subject terms used for this bibliography have been established such that only the outer row of holes is needed, except in the author and genus and species sections. Figure 2 also shows how the holes have been labeled.

The author's name is punched as indicated on the card, first, second, third, and fourth letters of the surname, and the first initial of the given name. These are always punched such that the first letter is punched in the first row, the second letter in the section for the second letter, the third letter in the second row, etc. Name prefixes are considered as part of the name (Figure 3a, b).

When a paper was authored by more than one person, see cards were made for the second and third authors, referring back to the main card, thus, only one author was punched per card.

The genus and species are punched in the same manner, except only the consonants are used. The first two and the last two consonants are used. They are punched such that the first one is in the first row, the second in the second row, etc. (Figure 3c, d).

Multiple genera and species may be punched. However, the more

that are punched, the less specific the retrieval system becomes. Because of this, the punching of the genera and species has been limited to four per card. If necessary, more than one card was prepared for a citation. When a publication is being included which treats many species, only the ones which have been collected from this area have been indicated, or the citation is just indexed under the major taxonomic group. (Figure 3e).

A table of phyla has been adapted from General Zoology, (Storer and Usinger, 1965) and from Morphology of Plants, (Bold, 1957). Table I gives the table of taxa and their assigned holes.

A set of subject terms has been developed for the subjects covered in the bibliography. This list, and the assigned holes, is given in Table II.

The E-Z Sort Multi-Sorter, available from E-Z Sort Systems, Ltd., was used for card sorting by author, genus and species. This device has the necessary needles to sort up to eight holes at one time. However, sorting for a particular subject requires only one needle, and can be done easily with a wire, rather than the sorter. The searching for author, genus and species can be done without the sorter, by inserting a needle or wire into the given holes, one or more at a time. This procedure would require a minimum of four searches to retrieve all the papers by one author, or about one genus or species.

Arrangement of the bibliography and preparation of the indexes.--

The bibliography has been prepared in alphabetical order by author. When an author has more than one publication in a given year, a lower case letter has been added after the date to make each citation

Table I. Taxonomic table and code

A	Protozoa	K	Mollusca
B	Mesozoa	L	Annelida
C	Porifera	M	Sipunculoida and Echiuroida
D	Coelenterata	N	Arthropoda
E	Ctenophora	O	Chaetognatha
F	Aschelminthes	P	Echinodermata
	Rotifera	Q	Hemichordata
	Gastrotricha	R	Tunicata and Cephalochordata
	Kinorhyncha	S	Agnatha and Pisces
	Priapulioidea	T	Amphibia and Reptilia
	Nematomorpha	U	Aves
	Acanthocephala	V	Mammalia
G	Miscellaneous worms	W	Cyanophyta
	Platyhelminthes	X	Chlorophyta
	Gnathostomulida	Y	Phaeophyta
	Nemertina	Z	Rhodophyta
	Nematoda	A'	Euglenophyta
	Pogonophora	B'	Chrysophyta
H	Entoprocta	C'	Other plants
I	Bryozoa	D'	Bacteria
J	Phoronida and Brachiopoda		

Table II. Subject terms and code

1	Beaches	25	Locomotion
2	Behavior	26	Marine borers and fouling
3	Benthic ecology	27	Marine products
4	Biochemistry	28	Morphology
5	Circulatory system	29	Muscular system
6	Commensalism	30	Neritic ecology
7	Communities	31	Nervous system
8	Conservation	32	Oceanography
9	Distribution	33	Osmotic and ionic regulation
10	Ecology	34	Parasitism
11	Endocrine system	35	Photoperiodicity
12	Evolution	36	Physiology
13	Excretory system	37	Phytoplankton
14	Feeding and digestion	38	Pollution and its effects
15	General	39	Population ecology
16	Genetics	40	Reproductive system
17	Geology	41	Respiratory system
18	Growth and development	42	Skeletal system
19	Histology	43	Substrate relations
20	Integument and body covering	44	Symbiosis
21	Interstitial studies	45	Systematics
22	Intertidal ecology	46	Taxonomy
23	Life history	47	Tube building, burrowing, etc.
24	Limiting factors	48	Zooplankton

unique. The author's name and date are used in the preparation of the indexes. A subject index has been prepared from the subject terms punched on the cards. A taxonomic index has been prepared for each of the major taxa, genus and species. The indexes include the subject term, author's name and date. The scientific names listed in the taxonomic index are as they appeared in the original citation. No attempt has been made to incorporate synonymies.

The asterisks after the date in the taxonomic index indicate a citation to the original description with the type locality within the geographic range of the bibliography.

REFERENCES CITED

- American Library Association. 1970. Anglo-American cataloging rules, prepared by the American Library Association, the Library of Congress, the Library Association, and the Canadian Library Association, North American text. American Library Association, Chicago. 410p.
- Biological Abstracts. 1969. 1969 list of serials with title abbreviations. BioSciences Information Service of Biological Abstracts, Philadelphia. 98p.
- Bold, Harold C. 1957. Morphology of plants. Harper and Brothers, New York.
- Conference of Biological Editors, Committee on Form and Style. 1964. Style manual for biological journals. Second edition. American Institute of Biological Sciences, Washington, D. C. 117p.
- Oceanic Library and Information Center. 1964- Oceanic index. Oceanic Research Institute, La Jolla, California. v.1-
- Ricketts, Edward F. and Jack Calvin. 1968. Between Pacific tides. 4th edition, revised by Joel W. Hedgpeth. Stanford University Press, Stanford, California. 614p.
- Storer, Tracy I. and Robert L. Usinger. 1965. General zoology. 4th edition. McGraw-Hill, New York. 741p.

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BIBLIOGRAPHY

- Abbott, Donald P. and Winona B. Trason. 1968. *Ritterella rubra* and *Distaplia smithi*: two new colonial ascidians from the west coast of North America. BULL. S. CALIF. ACAD. SCI. 67: 143-153.
- Abbott, Isabella A. see Hollenberg, George J. 1966.
- Armstrong, Lee R. 1965. Burrowing limitations in pelecypoda. VELIGER 7: 195-200.
- Arnold, Zach M. 1951. Occurrence of *Gromia oviformis* Dujardin in California (Testacea). WASMANN J. BIOL. 9: 351-353.
- Bane, Anneka W. see Bane, Gilbert W. 1971.
- Bane, Gilbert W. and Anneka W. Bane. 1971. Bay fishes of northern California, with emphasis on the Bodega-Tomales Bay area. Mariscos Publ., Hampton Bays, New York. 143p.
- Banerjee, Tapan. 1966. Survey of the fishes of Tomales Bay with notes on the life history of the white seaperch, *Phanerodon furcatus* Girard. M. S. Thesis. Univ. Pacific. 83p.
- Banerjee, Tapan. 1971. Maturity and fecundity of the white seaperch (*Phanerodon furcatus*) from Tomales Bay, California. J. FISH. RES. BOARD CAN. 28: 1051-1053.
- Barnard, J. Laurens. see Menzies, Robert J. 1951.
- Barrett, Elinore M. 1963. The California oyster industry. CALIF. DEP. FISH GAME, FISH BULL. 123. 103p.
- Beeman, Robert D. 1963. Variation and synonymy of *Phyllaplysia* in the northeastern Pacific (Mollusca: Opisthobranchia). VELIGER 6: 43-47.
- Berg, Carl J., Jr. 1968. Seasonal gonadal changes of adult oviparous oysters in Tomales Bay. M. S. Thesis. Univ. Pacific. 45p.
- Berg, Carl J., Jr. 1969. Seasonal gonadal changes of adult oviparous oysters in Tomales Bay, California. VELIGER 12: 27-36. Also Contribution no. 1 from Pacific Marine Station of the University

of the Pacific.

- Berg, Carl J., Jr. 1971. A review of possible causes of mortality of oyster larvae of the genus *Crassostrea* in Tomales Bay, California. CALIF. FISH GAME 57: 69-75. Also Contribution no. 13 from Pacific Marine Station of the University of the Pacific.
- Blake, James A. and Keith H. Woodwick. 1972. New species of *Polydora* (Polychaeta: Spionidae) from the coast of California. BULL. S. CALIF. ACAD. SCI. 70: 72-79. Also Contribution no. 22 from Pacific Marine Station of the University of the Pacific.
- Blake, James A. see also Bridges, Cecilia. 1972.
- Bock, Carl E. and Richard E. Johnson. 1967. The role of behavior in determining the intertidal zonation of *Littorina planaxis* Philippi, 1847, and *Littorina scutulata*, Gould, 1849. VELIGER 10: 42-54.
- Bolin, Rolf L. 1944. A review of the marine cottid fishes of California. STANFORD ICHTHYOL. BULL. 3: 1-135.
- Bonar, Dale B. 1970. The functional morphology and ecology of *Chone mollis*. M. S. Thesis. Univ. Pacific. 73p.
- Bonnot, Paul. 1935. The California oyster industry. CALIF. FISH GAME 21: 65-80.
- Bonnot, Paul. 1938. Report on the California oyster industry for 1937. CALIF. FISH GAME 24: 191-195.
- Born, John W. 1966. Osmoregulatory capacity of the decapod crustaceans *Syncaris pacifica* (Atyidae) and *Palaemon macrodactylus* (Palaemonidae). M. A. Thesis. Univ. Calif., Berkeley. 40p.
- Born, John W. 1970. Changes in blood volume and permeability associated with molting in a marine crab, *Pugettia producta*. Ph. D. Thesis. Univ. Calif., Berkeley. 101p.
- Bousfield, E. L. 1957. Notes on the amphipod genus *Orchestoidea* on the Pacific coast of North America. BULL. S. CALIF. ACAD. SCI. 56: 119-129.
- Bowers, Darl E. 1964. Natural history of two beach hoppers of the genus *Orchestoidea* (Crustacea: Amphipoda) with reference to their complementary distribution. ECOLOGY 45: 677-696.
- Breed, Allen E. 1950. Studies on the ecological distribution of the genus *Tegula* at Bodega Bay, California. M. A. Thesis. Univ. Pacific. 66p.

- Bridges, Cecilia and James A. Blake. 1972. Embryology and larval development of *Coryphella trilineata* O'Donoghue, 1921 (Gastropoda, Nudibranchia). VELIGER 14: 293-297. Also Contribution no. 25 from Pacific Marine Station of the University of the Pacific.
- Brusca, Gary J. 1961. A physiological comparison of isopods in the transition from a marine to a terrestrial habitat; with notes on their morphology and behavior. M. A. Thesis. Univ. Pacific. 38p.
- Brusca, Gary J. 1966. Studies on the salinity and humidity tolerances of five species of isopods in the transition from marine to terrestrial life. BULL. S. CALIF. ACAD. SCI. 65: 146-154.
- Bryant, W. R. see Johnson, Ralph G. 1961.
- Burghardt, Glenn, and Laura Burghardt. 1969. New range for *Mopalia hindsii recurvans* Barnawell, 1960. VELIGER 12: 229.
- Burghardt, Laura see Burghardt, Glenn. 1969.
- Bush, J. Burchard. 1930. Foraminifera of Tomales Bay, California. STANFORD UNIV. MICROPALAEOL. BULL. 2: 38-43, map on p. 36.
- Byers, Horace B. 1930. Summer sea fogs of the central California coast. UNIV. CALIF. PUBL. GEOG. 3: 291-338.
- California Department of Public Health, Bureau of Sanitary Engineering. 1951. Tomales Bay survey, (Code No. 52-1-5), prepared for North Coastal Regional Water Pollution Control Board. 29p.
- California Water Quality Control Board, San Francisco Bay Regional Water Quality Control Board. 1967. Water quality control policy for Pacific Ocean, Pescadero Point to mouth of Tomales Bay, Bolinas Lagoon, Drakes Estero, Limantour Estero, portions of coastal streams. 3v.
- Calvin, Jack. see Ricketts, Edward F.
- Cattell, Sidney A. 1966. A population study of the Perediniidae of Tomales Bay. M. S. Thesis. Univ. Pacific. 120p.
- Chace, Fenner A., Jr. 1951. The grass shrimps of the genus *Hippolyte* from the west coast of North America. J. WASH. ACAD. SCI. 41: 35-39.
- Chamberlin, Ralph V. 1960. A new marine centipede from the California littoral. PROC. BIOL. SOC. WASH. 73: 99-102.

- Cherry, John A. 1964. Sand movement along a portion of the northern California coast. M. S. Thesis. Univ. Calif., Berkeley. 150p.
- Chiang, Young-Meng. 1970. Morphological studies of red algae of the family Cryptonemiaceae. UNIV. CALIF. PUBL. BOT. 58: 1-95.
- Chitwood, B. G. 1960. A preliminary contribution to the marine nemas (Adenophorea) of northern California. TRANS. AMER. MICROSC. SOC. 79: 347-384.
- Chivers, Dustin D. 1967. Observations on *Pleurobranchaea californica* MacFarland, 1966 (Opisthobranchia, Notaspidea). PROC. CALIF. ACAD. SCI. Ser. 4. 17: 515-521.
- Clark, R. B. and E. C. Haderlie. 1962. The distribution of *Nephtys californiensis* and *N. caecoides* on the Californian coast. J. ANIM. ECOL. 31: 339-357.
- Cole, Leon J. 1904. Pycnogonida of the west coast of North America. HARRIMAN ALASKA EXPED. 10: 247-330.
- Collins, F. S. 1906. New species, etc., issued in the Phycotheca Boreali-Americana. RHODORA 8: 104-113.
- Cooper, William S. 1967. Coastal dunes of California. GEOL. SOC. AMER. MEM. 104. 131p.
- Copsey, Jack E. 1950. Observations on a new cystophorous cercaria from marine snails. M. A. Thesis. Univ. Pacific. 25p.
- Copsey, Jack E. see also Johnson, William F. 1953.
- Correa, Diva D. 1964. Nemerteans from California and Oregon. PROC. CALIF. ACAD. SCI. Ser. 4. 31: 515-558.
- Crocker, Richard S. 1930. The smaller fishing ports of central California. CALIF. FISH GAME 16: 324-329.
- Daetwyler, Calvin C., Jr. 1965. Marine geology of Tomales Bay, central California. Ph. D. Thesis. Univ. Calif., San Diego. 219p.
- Daetwyler, Calvin C., Jr. 1966. Marine geology of Tomales Bay, central California. PACIFIC MARINE STATION, UNIV. PACIFIC. RES. REPT. 6. 169p.
- Dahlstrom, Walter A. see Katkansky, Stanley C. 1969.
- Dawson, E. Yale. 1949. Studies of northeast Pacific Gracilariaceae. OCCAS. PAP. ALLAN HANCOCK FOUND. 7: 1-105.

- Dawson, E. Yale. 1961. A guide to the literature and distributions of Pacific benthic algae from Alaska to the Galapagos Islands. PAC. SCI. 15: 370-461.
- Dickerson, Roy E. 1922. Tertiary and Quaternary history of the Petaluma, Point Reyes and Santa Rosa quadrangles. PROC. CALIF. ACAD. SCI. Ser. 4. 11: 527-601.
- Dougherty, Ellsworth C. and Joan Steinberg. 1953. Notes on the skeleton shrimps (Crustacea: Caprellidae) of California. PROC. BIOL. SOC. WASH. 66: 39-50.
- Driscoll, Andrew L. 1969. Structure and function of the alimentary tract of *Batillaria zonalis* and *Cerithidea californica*, style-bearing mesogastropods. M. S. Thesis. Univ. Pacific. 53p.
- Driscoll, Andrew L. 1972. Structure and function of the alimentary tract of *Batillaria zonalis* and *Cerithidea californica*, style-bearing mesogastropods. VELIGER 14: 375-386. Also Contribution no. 27 from Pacific Marine Station of the University of the Pacific.
- Efford, Ian E. 1967. Neoteny in sand crabs of the genus *Emerita* (Anomura, Hippidae). CRUSTACEANA 13: 81-93.
- Eikenberry, Arthur B., Jr. 1966. A study of the vertical and horizontal migrations of *Euzonus* (*Thoracophelia*) *mucronata* (Treadwell) 1914, on Pacific coast beaches with regard to environmental factors. M. S. Thesis. Univ. Pacific. 49p.
- Erickson, J. Mark. 1971. Wind-oriented gastropod shells as indicators of paleowind direction. J. SEDIMENT. PETROLOGY 41: 589-593.
- Erskian, Malcolm G. see Lipps, Jere H. 1969.
- Fankboner, Peter V. 1970. The ciliary currents associated with feeding, digestion, and sediment removal in *Adula* (*Botula*) *falcata* Gould 1851 (Bivalvia, Mytilidae). M. S. Thesis. Univ. Pacific. 55p.
- Fankboner, Peter V. 1971. The ciliary currents associated with feeding, digestion, and sediment removal in *Adula* (*Botula*) *falcata* Gould 1851. BIOL. BULL. (WOODS HOLE) 140: 28-45. Also Contribution no. 15 from Pacific Marine Station of the University of the Pacific.
- Fisher, Walter K. 1946. Echiuroid worms of the north Pacific Ocean. PROC. U. S. NAT. MUS. 96: 215-292.
- Fisher, Walter K. 1952. The sipunculid worms of California and Baja California. PROC. U. S. NAT. MUS. 102: 371-450.

- Fisk, Leroy H. 1949. Studies on larval trematodes from Tomales Bay, California. M. A. Thesis. Univ. Pacific. 99p.
- Fitch, John E. 1953. Common marine bivalves of California. CALIF. DEP. FISH GAME, FISH BULL. 90. 102p.
- Follett, W. I. 1968. Fish remains from two submerged deposits in Tomales Bay, Marin County, California. OCCAS. PAP. CALIF. ACAD. SCI. 67. 8p.
- Follett, W. I., Dan Gotshall and J. Gary Smith. 1960. Northerly occurrences of the scorpion fish *Medialuna californiensis* (Steindachner), with meristic data, life-history notes, and discussion of the fisheries. CALIF. FISH GAME 46: 165-175.
- Frey, Herbert W., ed. 1971. California's living marine resources and their utilization. Calif. Dep. Fish Game, Sacramento. 148p.
- Fritchman, Harry K., Jr. 1961a. A study of the reproductive cycle in the California Acmaeidae (Gastropoda). Part I. VELIGER 3: 57-63.
- Fritchman, Harry K., Jr. 1961b. A study of the reproductive cycle in the California Acmaeidae (Gastropoda). Part III. VELIGER 4: 41-47.
- Gale, Francis C. 1947. Contributions to the study on helminth fauna of Dillon Beach. M. A. Thesis. Univ. Pacific. 34p.
- Gardner, Nathaniel L. 1917. New Pacific coast marine algae. I. UNIV. CALIF. PUBL. BOT. 6: 377-416.
- Gardner, Nathaniel L. 1918. New Pacific coast marine algae. III. UNIV. CALIF. PUBL. BOT. 6: 455-486.
- Gardner, Nathaniel L. 1927. New Rhodophyceae from the Pacific coast of North America. V. UNIV. CALIF. PUBL. BOT. 13: 403-434.
- Gardner, Nathaniel L. see also Setchell, William A.
- Garth, John S. 1958. Brachyura of the Pacific coast of America. Oxyrhyncha. ALLAN HANCOCK PAC. EXPED. 21: 1-854.
- Giles, Donald E. 1956. Studies on bucephalid cercaria including a new species from the Dillon Beach area. M. A. Thesis. Univ. Pacific. 41p.
- Giles, Donald E. 1962. New bucephalid cercaria from the mussel *Mytilus californianus*. J. PARASITOL. 48: 293-295.

- Girard, Charles. 1857. A list of the fishes collected in California, by Mr. E. Samuels, with description of the new species. BOSTON J. NATUR. HIST. 6: 533-544.
- Gonor, J. J. 1961. Observations on the biology of *Hermaeina smithi*, a sacoglossan opisthobranch from the west coast of North America. VELIGER 4: 85-98.
- Gooding, Richard U. 1960. North and South American copepods of the genus *Hemicyclops* (Cyclopoida: Clausidiidae). PROC. U. S. NAT. MUS. 112: 159-195.
- Gorsliner, Terrence M. and Gary C. Williams. 1970. The opisthobranch mollusks of Marin County, California (Gastropoda). VELIGER 13: 175-180.
- Gotshall, Daniel W., J. Gary Smith and Allen Holbert. 1965. Food of the blue rockfish *Sebastes mystinus*. CALIF. FISH GAME 51: 147-162.
- Gotshall, Daniel W. see also Follett, W. I. 1960, Miller, Daniel J. 1965.
- Grant, Avery R. 1933. A revision of the California limpets of the genus *Acmaea* Eschscholtz. M. A. Thesis. Univ. Calif., Berkeley. 142p.
- Grant, Avery R. 1938. A systematic revision of the genus *Acmaea* Eschscholtz, including consideration of ecology and speciation. Ph. D. Thesis. Univ. Calif., Berkeley. 432p.
- Graves, Elsie M. 1935. *Probolitrema tomalis* sp. nov. (Trematoda) from *Dasyatis dipterura* and *Brachylaemus virginianus* (Dickerson) (Trematoda) from *Didelphys virginiana*. M. A. Thesis. Univ. Pacific. 22p.
- Gray, Walter, S., Jr. 1969. Gammaridean amphipods from Tomales Bay, California. M. S. Thesis. Univ. Pacific. 69p.
- Grinnell, Joseph and Alden H. Miller. 1944. The distribution of the birds of California. PAC. COAST AVIFAUNA 27. 608p.
- Haderlie, E. C. see Clark, R. B. 1962.
- Haig, Janet. 1960. The Porcellanidae (Crustacea Anomura) of the eastern Pacific. ALLAN HANCOCK PAC. EXPED. 24: 1-440.
- Hall, William R., Jr. 1972. The larval morphology of three species of *Pagurus* (Decapoda, Anomura) from California. M. S. Thesis. Univ. Pacific. 57p.

- Hamby, Robert J. 1964. Drift bottle studies at Bodega Head, California. PACIFIC MARINE STATION, UNIV. PACIFIC. RES. REPT. 3. 30p.
- Hamby, Robert J. 1965. Drift bottle studies at Bodega Head, California. M. S. Thesis. Univ. Pacific. 127p.
- Hand, Cadet H., Jr. 1951. The intertidal sea anemones of the central California coast. Ph. D. Thesis. Univ. Calif., Berkeley. 306p.
- Hand, Cadet H., Jr. 1955a. The sea anemones of central California. Part I. The Corallimorpharian and Athenarian anemones. WASMANN J. BIOL. 12: 345-375.
- Hand, Cadet H., Jr. 1955b. The sea anemones of central California. Part II. The Endomyarian and Mesomyarian anemones. WASMANN J. BIOL. 13: 37-99.
- Hand, Cadet H., Jr. 1956. The sea anemones of central California. Part III. The acontiarian anemones. WASMANN J. BIOL. 13: 189-251.
- Hand, Cadet H., Jr. 1957. Another sea anemone from California and the types of certain California anemones. J. WASH. ACAD. SCI. 47: 411-414.
- Hanna, G. Dallas. 1966. Introduced mollusks of western North America. OCCAS. PAP. CALIF. ACAD. SCI. 48: 1-108.
- Hanson, James C. 1957. Studies on gametogenesis in the echiuroid worm, *Urechis caupo*. M. A. Thesis. Univ. Pacific. 42p.
- Harford, W. G. W. 1876. Description of a new genus and three new species of sessile eyed crustacea. PROC. CALIF. ACAD. SCI. 7: 53-55.
- Hart, Josephine F. L. 1964. Shrimps of the genus *Betaeus* on the Pacific coast of North America, with descriptions of three new species. PROC. U. S. NAT. MUS. 115: 431-466.
- Hartman, Olga. 1936a. New species of polychaetous annelids of the family Nereidae from California. PROC. U. S. NAT. MUS. 83: 467-480.
- Hartman, Olga. 1936b. New species of Spionidae (Annelida Polychaeta) from the coast of California. UNIV. CALIF. PUBL. ZOOL. 41: 45-52.
- Hartman, Olga. 1936c. Polychaetous annelids of the littoral zone of California. Ph. D. Thesis. Univ. Calif., Berkeley. 379p.

- Hartman, Olga. 1936d. A review of the Phyllodocidae (Annelida Polychaeta) of the coast of California, with descriptions of nine new species. UNIV. CALIF. PUBL. ZOOL. 41: 117-132.
- Hartman, Olga. 1938a. Brackish and fresh water Nereidae from the northeast Pacific, with the description of a new species from central California. UNIV. CALIF. PUBL. ZOOL. 43: 79-82.
- Hartman, Olga. 1938b. Description of new species and new generic records of polychaetous annelids from California of the families Glyceridae, Eunicidae, Stauroteridae, and Opheliidae. UNIV. CALIF. PUBL. ZOOL. 43: 93-112.
- Hartman, Olga. 1938c. Review of the annelid worms of the family Nephtyidae from the northeast Pacific, with descriptions of five new species. PROC. U. S. NAT. MUS. 85: 143-158.
- Hartman, Olga. 1944. Polychaetous annelids from California including the description of two new genera and nine new species. ALLAN HANCOCK PAC. EXPED. 10: 239-389.
- Hartman, Olga. 1947. Polychaetous annelids. Part VII. Capitellidae. ALLAN HANCOCK PAC. EXPED. 10: 391-481.
- Hartman, Olga. 1961. Polychaetous annelids from California. ALLAN HANCOCK PAC. EXPED. 25: 1-226.
- Hartman, Olga. 1968. Atlas of the errantiate polychaetous annelids from California. Allan Hancock Foundation, Los Angeles. 828p.
- Hartman, Olga. 1969. Atlas of the sedentariate polychaetous annelids from California. Allan Hancock Foundation, Los Angeles. 812p.
- Hartman, Olga. see also Light, S. F. 1937.
- Haugsten, Robert C. 1958. Taxonomic studies on adult and larval ascidians from California. M. A. Thesis. Univ. Pacific. 26p.
- Haydock, Clarence I. 1961. Studies on controlling oyster drills in Tomales Bay. M. A. Thesis. Univ. Pacific. 46p.
- Haydock, Clarence I. 1964. An experimental study to control oyster drills in Tomales Bay, California. CALIF. FISH GAME 50: 11-28.
- Hedgpeth, Joel W. 1951. Pycnogonids from Dillon Beach and vicinity, California, with descriptions of two new species. WASMANN J. BIOL. 9: 105-117.
- Hedgpeth, Joel W. 1962. Introduction to seashore life of the San Francisco Bay region and the coast of northern California. Univ. Calif. Press, Berkeley, 136p.

- Hedgpeth, Joel W. see also Johnson, Ralph G. 1961.
- Helfman, Eugene S. 1968. A ctenostomatous ectoproct epizoic on the chiton *Ischnochiton mertensii*. *VELIGER* 10: 290-291.
- Higgins, Charles G. 1961. San Andreas Fault north of San Francisco, California. *BULL. GEOL. SOC. AMER.* 72: 51-68.
- Hilton, W. A. 1943a. Pycnogonids from the Pacific. Family Ammotheidae. *POMONA J. ENTOMOL. ZOO.* 34: 93-99.
- Hilton, W. A. 1943b. Pycnogonids of the Pacific. Family Pycnogonidae. Family Endeidae. *POMONA J. ENTOMOL. ZOO.* 35: 19.
- Hobson, Katherine D. 1971. Some polychaetes of the superfamily Eunicea from the north Pacific and north Atlantic Oceans. *PROC. BIOL. SOC. WASH.* 83: 527-544.
- Holbert, Allen. see Gotshall, Daniel W. 1965.
- Hollenberg, George J. and Isabella A. Abbott. 1966. Supplement to Smith's Marine algae of the Monterey Peninsula. Stanford Univ. Press, Stanford, Calif., 130p.
- Holmes, Samuel J. 1894. Notes on west American crustacea. *PROC. CALIF. ACAD. SCI. Ser. 2.* 4: 563-588.
- Holmes, Samuel J. 1900. Synopsis of California stalk-eyed crustacea. *OCCAS. PAP. CALIF. ACAD. SCI.* 7: 1-263.
- Houston, Roy S. 1970. Reproductive biology of *Thais emarginata* (Deshayes, 1839) and *Thais canaliculata* (Dulcos, 1832). M. S. Thesis. Univ. Pacific. 42p.
- Houston, Roy S. 1971. Reproductive biology of *Thais emarginata* (Deshayes, 1839) and *Thais canaliculata* (Dulcos, 1832). *VELIGER* 13: 348-357. Also Contribution no. 16 from Pacific Marine Station of the University of the Pacific.
- Houston, Roy S. see also Marcus, Stanley J. 1970.
- Howell, John T. 1949. Marin flora, manual of the flowering plants and ferns of Marin County, California. Univ. Calif. Press, Berkeley. 322p.
- Howell, John T. 1970. Marin flora, manual of the flowering plants and ferns of Marin County, California. 2d ed. Univ. Calif. Press, Berkeley. 375p.
- Hughes, James F. 1952. Life cycle studies on *Stephanostomum pacificum*, a new species of trematode, from the Pacific Marine Station area. M. A. Thesis. Univ. Pacific. 41p.

- Hyman, Libbie H. 1947. Two new hydromedusae from the California coast. TRANS. AMER. MICROSC. SOC. 66: 262-268.
- Hyman, Libbie H. 1953. The polyclad flatworms of the Pacific coast of North America. BULL. AMER. MUS. NAT. HIST. 100: 265-392.
- Isaacson, Peter A. and Richard L. Poole. 1965. New northern records for the spotfin surfperch, *Hyperprosopon anale*. CALIF. FISH GAME 51: 57.
- Jennings, J. B. see Mettrick, D. F. 1969.
- Johansen, Hans W. 1966. The structure, reproduction and systematics of some coralline algae. Ph. D. Thesis. Univ. Calif., Berkeley. 220p.
- Johnson, Ralph G. 1957. Experiments on the burial of shells. J. GEOL. 65: 527-535.
- Johnson, Ralph G. 1959. Spatial distribution of *Phoronopsis viridis* Hilton. SCIENCE 129: 1221.
- Johnson, Ralph G. 1960. Models and methods for analysis of the mode of formation of fossil assemblages. BULL. GEOL. SOC. AMER. 71: 1075-1085.
- Johnson, Ralph G. 1962. Mode of formation of marine fossil assemblages of the Pleistocene Millerton Formation of California. BULL. GEOL. SOC. AMER. 73: 113-130.
- Johnson, Ralph G. 1964. The community approach to paleoecology. In: Approaches to paleoecology (ed. by John Imbrie and Norman Newell). Wiley, New York, p. 107-134.
- Johnson, Ralph G. 1965. Temperature variation in the infaunal environment of a sand flat. LIMNOL. OCEANOGR. 10: 114-120.
- Johnson, Ralph G. 1967a. Salinity of interstitial water in a sandy beach. LIMNOL. OCEANOGR. 12: 1-7.
- Johnson, Ralph G. 1967b. The vertical distribution of the infauna of a sand flat. ECOLOGY 48: 571-578.
- Johnson, Ralph G. 1970. Variations in diversity within benthic marine communities. AMER. NATUR. 104: 285-300. Also Contribution no. 11 from Pacific Marine Station of the University of the Pacific.

- Johnson, Ralph G. 1971. Animal-sediment relations in shallow water benthic communities. MAR. GEOL. 11: 93-104. Also Contribution no. 21 from Pacific Marine Station of the University of the Pacific.
- Johnson, Ralph G., W. R. Bryant, and Joel W. Hedgpeth. 1961. Ecological survey of the Tomales Bay. Preliminary report of the 1960 hydrographic survey. PACIFIC MARINE STATION, UNIV. PACIFIC. RES. REPT. 1. 19p.
- Johnson, Ralph G. and John A. Juskevics. 1965. Check list of marine invertebrates of the Tomales Bay region, Marin County, California. PACIFIC MARINE STATION, UNIV. PACIFIC. RES. REPT. 5. 78p.
- Johnson, Richard E. see Bock, Carl E. 1967.
- Johnson, William F. 1949. A survey of the adult trematodes from fishes of the Pacific Marine Station area. M. A. Thesis. Univ. Pacific. 66p.
- Johnson, William F. and Jack E. Copsey. 1953. *Opisthadenia bodegensis* n.sp. (Trematoda) from Dillon Beach, California. TRANS. AMER. MICROSC. SOC. 72: 78-81.
- Jones, Albert C. 1962. The biology of the euryhaline fish *Leptocottus armatus armatus* Girard (Cottidae). UNIV. CALIF. PUBL. ZOOL. 67: 321-368.
- Juskevics, John A. see Johnson, Ralph G. 1965.
- Karling, Tor G. 1962a. Marine turbellaria from the Pacific coast of North America. I. Plagiostomidae. ARK. ZOOL. Ser. 2. 15: 113-141.
- Karling, Tor G. 1962b. Marine turbellaria from the Pacific coast of North America. II. Pseudostomidae and Cylindrostomidae. ARK. ZOOL. Ser. 2. 15: 181-209.
- Karling, Tor G. 1964. Marine turbellaria from the Pacific coast of North America. III. Otoplanidae. ARK. ZOOL. Ser. 2. 16: 527-541.
- Karling, Tor G. 1966. Marine turbellaria from the Pacific coast of North America. IV. Coelogynoporidae and Monocelididae. ARK. ZOOL. Ser. 2. 18: 493-528.
- Katkansky, Stanley C., Walter A. Dahlstrom and Ronald W. Warner. 1969. Observations on survival and growth of the European flat oyster, *Ostrea edulis*, in California. CALIF. FISH GAME 55: 69-74.

- Katkansky, Stanley C. and Ronald W. Warner. 1970. The occurrence of a haplosporidan in Tomales Bay, California. J. INVERTEBR. PATHOL. 16: 144.
- Keck, David D. see Munz, Philip A. 1959.
- Kritsky, Delane C. see Mizelle, John D. 1967.
- Kudenov, Jerry D. 1971. Sediment reworking rates and the feeding ecology of *Axiobella rubrocincta* (Polychaeta: Maldanidae). M. S. Thesis. Univ. Pacific. 89p.
- Lance, James R. 1961. A distributional list of southern California opisthobranchs. VELIGER 4: 67-69.
- Lang, Karl. 1961. Further notes on *Pancolus californiensis* Richardson. ARK. ZOOL. Ser. 2. 13: 573-577.
- Lang, Karl. 1965. Copepoda Harpacticoidea from the Californian Pacific coast. KGL. SVENSKA VETENSKAPSAKAD. HANDL. 10(2): 5-560.
- LeBoeuf, Renee. 1971. *Thais emarginata* (Deshayes): description of the veliger and egg capsule. VELIGER 14: 205-211. Also Contribution no. 19 from Pacific Marine Station of the University of the Pacific.
- Leonard, Vernon K., Jr. 1968. Seasonal gonadal changes in two bivalve mollusks in Tomales Bay, California. M. S. Thesis. Univ. Pacific. 37p.
- Leonard, Vernon K., Jr. 1969. Seasonal gonadal changes in two bivalve mollusks in Tomales Bay, California. VELIGER 11: 382-390.
- Leopold, A. Starker and Robert H. Smith. 1953. Numbers and winter distribution of Pacific black brant in North America. CALIF. FISH GAME 39: 95-101.
- Light, S. F. 1941. Laboratory and field text in invertebrate zoology. Associated Students Store, Berkeley. 232p.
- Light, S. F. 1964. Intertidal invertebrates of the central California coast. S. F. Light's "Laboratory and field text in invertebrate zoology," revised by Ralph I. Smith, Frank A. Pitelka, Donald P. Abbott, and Frances M. Weesner, with the assistance of many other contributors. Univ. Calif. Press, Berkeley. 446p.
- Light, S. F. and Olga Hartman. 1937. A review of the genera *Clausidium* Kossman and *Hemicyclops* Boeck (Copepoda, Cyclopoida), with the description of a new species from the northeast Pacific. UNIV. CALIF. PUBL. ZOOL. 41: 173-188.

- Lipps, Jere H. and Malcolm G. Erskian. 1969. Plastogamy in foraminifera: *Glabratella ornatissima* (Cushman). J. PROTOZOOLOGY. 16: 422-425.
- Lockington, W. N. 1876. Description of a new genus and species of decapod crustacean. PROC. CALIF. ACAD. SCI. 7: 55-57.
- Loose, Timothy L. 1970. Turbulent transport of benthonic foraminifera. CONTRIB. CUSHMAN FOUND. FORAMINIFERAL RES. 21: 164-166.
- Lowe, Homer. see Smith, Leslie M. 1948.
- McClain, Andrew W. 1954. Plankton studies of the Tomales Bay, California. M. A. Thesis. Univ. Pacific. 77p.
- Macdonald, Keith B. 1967. Quantitative studies of salt marsh faunas from the North American Pacific coast. Ph. D. Thesis. Univ. Calif., San Diego. 316p.
- Macdonald, Keith B. 1969a. Molluscan faunas of Pacific coast salt marshes and tidal creeks. VELIGER 11: 399-405.
- Macdonald, Keith B. 1969b. Quantitative studies of salt marsh mollusc faunas from the North American Pacific coast. ECOL. MONOGR. 39: 33-60.
- MacFarland, Frank M. 1966. Studies on opisthobranchiate mollusks of the Pacific coast of North America. CALIF. ACAD. SCI. MEM. 6: 1-546.
- Mackie, G. O. 1962. Factors affecting the distribution of *Velella* (Chondrophora). INT. REV. GESAMTEN HYDROBIOL. 47: 26-32.
- MacMillan, Floy E. 1971. The larval development of northern California Porcellanidae (Decapoda, Anomura). M. S. Thesis. Univ. Pacific. 65p.
- MacMillan, Floy E. 1972a. The larvae of *Pagurus samuelis* (Decapoda: Anomura) reared in the laboratory. BULL. S. CALIF. ACAD. SCI. 70: 58-68. Also Contribution no. 23 from Pacific Marine Station of the University of the Pacific.
- MacMillan, Floy E. 1972b. The larval development of northern California Porcellanidae (Decapoda, Anomura). I. *Pachycheles pubescens* Holmes in comparison to *Pachycheles rudis* Stimpson. BIOL. BULL. (WOODS HOLE) 142: 57-70. Also Contribution no. 26 from Pacific Marine Station of the University of the Pacific.
- Marcus, Ernst. 1961. Opisthobranch mollusks from California. VELIGER 3, Supp. 85p.

- Marcus, Ernst. 1964. A new species of *Polycera* (Nudibranchia) from California. NAUTILUS 77: 128-131,
- Marcus, Stanley J. and Roy S. Houston. 1970. Long term changes in marine ecosystem: ecological relationships between Tomales Bay and adjacent shelf waters. PACIFIC MARINE STATION, UNIV. PACIFIC. SPEC. SCI. REPT. 7. 50p.
- Martin, Edgar J. 1963. Toxicity of dialyzed extracts of some California anemones (Coelenterata). PAC. SCI. 17: 302-304.
- Mason, Herbert L. 1932. The Pleistocene flora from the Tomales Bay region and its bearing on the history of the coastal pine forests of California. Ph. D. Thesis. Univ. Calif., Berkeley. 282p.
- Mason, Herbert L. 1934. Pleistocene flora of the Tomales formation. CARNEGIE INST. WASH. PUBL. 415: 81-179.
- Mason, Lucile R. 1953. The crustaceous coralline algae of the Pacific coast of the United States, Canada, and Alaska. UNIV. CALIF. PUBL. BOT. 26: 313-390.
- Maurer, Donald L. 1964. Pelecypod size and sediment size. Ph. D. Thesis. Univ. Chicago. 98p.
- Maurer, Donald L. 1967a. Burial experiments on marine pelecypods from Tomales Bay, California. VELIGER 9: 376-381.
- Maurer, Donald L. 1967b. Filtering experiments on marine pelecypods from Tomales Bay, California. VELIGER 9: 305-309.
- Maurer, Donald L. 1967c. Mode of feeding and diet, and synthesis of studies on marine pelecypods from Tomales Bay, California. VELIGER 10: 72-76.
- Maurer, Donald L. 1968. Preliminary report on some littoral foraminifera from Tomales Bay, California. CONTRIB. CUSHMAN FOUND. FORAMINIFERAL RES. 19: 163-164. Also Contribution no. 56 from Univ. of Delaware Marine Laboratory.
- Maurer, Donald L. 1969. Pelecypod-sediment association in Tomales Bay, California. VELIGER 11: 243-249.
- Mayer, Norman W. 1963. Comparative anatomy and biology of two species of the asteroid genus *Pisaster*. M. A. Thesis. Univ. Pacific. 119p.
- Menesini, Mario M. 1954. Spermatogenesis in the sand crab *Emerita analoga*. M. A. Thesis. Univ. Pacific. 24p.
- Menzies, Robert J. 1948. A study of the littoral isopod crustacea

- of the Dillon Beach area. M. A. Thesis. Univ. Pacific. 106p.
- Menzies, Robert J. 1949. A new species of apseudid crustacean of the genus *Synapseudes* from northern California (Tanaidacea). PROC. U. S. NAT. MUS. 99: 509-515.
- Menzies, Robert J. 1950a. Notes on California isopods of the genus *Armadilloniscus*, with the description of *Armadilloniscus coronacapitalis* n.sp. PROC. CALIF. ACAD. SCI. Ser. 4. 26: 467-481.
- Menzies, Robert J. 1950b. The taxonomy, ecology, and distribution of northern California isopods of the genus *Idothea* with the description of a new species. WASMANN J. BIOL. 8: 155-195.
- Menzies, Robert J. 1951. New marine isopods, chiefly from northern California, with notes on related forms. PROC. U. S. NAT. MUS. 101: 105-156.
- Menzies, Robert J. 1952. Some marine asellote isopods from northern California, with descriptions of nine new species. PROC. U. S. NAT. MUS. 102: 117-159.
- Menzies, Robert J. 1954. A review of the systematics and ecology of the genus *Exosphaeroma*, with the description of a new genus, a new species, and a new subspecies (Crustacea, Isopoda, Sphaeromidea). AMER. MUS. NOVITATES no. 1683. 24p.
- Menzies, Robert J. 1957. The marine borer family Limnoriidae (Crustacea, Isopoda). BULL. MAR. SCI. GULF CARIB. 7: 101-200.
- Menzies, Robert J. and J. Laurens Barnard. 1951. The isopodan genus *Iais* (Crustacea). BULL. S. CALIF. ACAD. SCI. 50: 136-151.
- Menzies, Robert J. and Jean Pettit. 1956. A new genus and species of asellote isopod, *Caecianiopsis psammophilia*, from California. PROC. U. S. NAT. MUS. 106: 441-446.
- Menzies, Robert J. and Richard J. Waidzunus. 1948. Postembryonic growth changes in the isopod *Pentidotea resecata* (Stimpson) with remarks on their taxonomic significance. BIOL. BULL. (WOODS HOLE) 95: 107-113.
- Merriman, Jean A. 1967. Gut content and radula illustration of *Bathybembix bairdi* (Dall, 1889). VELIGER 9: 355-356.
- Mettrick, D. F. and J. B. Jennings. 1969. Nutrition and chemical composition of the rhabdocoel turbellarian *Syndesmis franciscana*, with notes on the taxonomy of *S. antillarum*. J. FISH. RES. BOARD CAN. 26: 2669-2679.

- Miller, Alden H. see Grinnell, Joseph. 1944.
- Miller, Daniel J. and Daniel Gotshall. 1965. Ocean sportfish catch and effort from Oregon to Point Arguello, California, July 1, 1957 - June 30, 1961. CALIF. DEP. FISH GAME, FISH BULL. 130. 135p.
- Miller, Daniel J. and John Schmidtke. 1956. Report on the distribution and abundance of Pacific herring (*Clupea pallasii*) along the coast of central and southern California. CALIF. FISH GAME 42: 163-187.
- Miller, Loe. 1950. Lifelong boyhood, recollections of a naturalist afield. Univ. Calif. Press, Berkeley. 226p.
- Mir, Robert D. 1959. The external morphology of the first zoeal stages of *Cancer magister* (Dana), *Cancer antennarius* (Stimpson), and *Cancer anthonyi* (Rathbun). M. A. Thesis. Univ. Pacific. 18p.
- Mir, Robert D. 1961. The external morphology of the first zoeal stages of the crabs, *Cancer magister* Dana, *Cancer antennarius* Stimpson, and *Cancer anthonyi* Rathbun. CALIF. FISH GAME 47: 103-111.
- Mizelle, John D. and Delane C. Kritsky. 1967. Studies on monogenetic trematodes. XXXVI. Gyrodactylid parasites of importance to California fishes. CALIF. FISH GAME 53: 264-272.
- Moffitt, James. 1931. First annual black sea brant census in California. CALIF. FISH GAME 17: 396-401.
- Moffitt, James. 1932. Second annual black brant census in California. CALIF. FISH GAME 18: 298-310.
- Moffitt, James. 1933. Third annual black brant census in California. CALIF. FISH GAME 19: 255-263.
- Moffitt, James. 1934. Fourth annual black brant census in California. CALIF. FISH GAME 20: 355-364.
- Moffitt, James. 1935. Fifth annual black brant census in California. CALIF. FISH GAME 21: 343-350.
- Moffitt, James. 1936. Sixth annual black brant census in California. CALIF. FISH GAME 22: 295-300.
- Moffitt, James. 1937. Seventh annual black brant census in California. CALIF. FISH GAME 23: 290-295.

- Moffitt, James. 1938. Eighth annual black brant census in California. CALIF. FISH GAME 24: 341-346.
- Moffitt, James. 1939. Ninth annual black brant census in California. CALIF. FISH GAME 25: 336-342.
- Moffitt, James. 1940. Tenth annual black brant census in California. CALIF. FISH GAME 26: 381-389.
- Moffitt, James. 1941. Eleventh annual black brant census in California. CALIF. FISH GAME 27: 216-233.
- Moffitt, James. 1943. Twelfth annual black brant census in California. CALIF. FISH GAME 29: 19-28.
- Montgomery, David H. 1956. Ascidicolous copepods of Dillon Beach, California. M. A. Thesis. Univ. Pacific. 54p.
- Moore, Ian. 1956. A revision of the Pacific coast Phytosi with a review of the foreign genera (Coleoptera: Staphylinidae). TRANS. SAN DIEGO SOC. NATUR. HIST. 12: 103-152.
- Munz, Philip A. 1964. Shore wildflowers of California, Oregon and Washington. Univ. Calif. Press, Berkeley. 122p.
- Munz, Philip A. 1968. Supplement to A California flora. Univ. Calif. Press, Berkeley. 224p.
- Munz, Philip A. and David D. Keck. 1959. A California flora. Univ. Calif. Press, Berkeley. 1681p.
- Nahhas, Fuad M. 1960. Some hemiurid trematodes of marine fishes of California. M. A. Thesis. Univ. Pacific. 52p.
- Nahhas, Fuad M. see also Rodella, Thomas D. 1969.
- Narchi, Walter. 1968. The functional morphology of *Lysonia californica* Conrad, 1837 (Bivalvia). VELIGER 10: 305-313.
- Narchi, Walter. 1969. On *Pseudopythina rugifera* (Carpenter, 1864) (Bivalvia). VELIGER 12: 43-52. Also Contribution no. 6 from Pacific Marine Station of the University of the Pacific.
- Narchi, Walter. 1970. The presence of byssus of *Transennella tantilla* (Gould) (Bivalvia: Veneridae). WASMANN J. BIOL. 28: 233-236.
- Narchi, Walter. 1971. Structure and adaptation in *Transennella tantilla* (Gould) and *Gemma gemma* (Totten) (Bivalvia: Veneridae). BULL. MAR. SCI. 21: 866-885.

- Narchi, Walter and Leslie E. Watling. 1968. Range extension of *Branchiostoma californiense* in Tomales Bay. WASMANN J. BIOL. 26: 121-123.
- Nichols, Maurice B. 1909. Contributions to the knowledge of the California species of crustaceous corallines. II. UNIV. CALIF. PUBL. BOT. 3: 349-370.
- Nimitz, Sister M. Aquinas, O.P. 1971. Histochemical study of gut nutrient reserves in relation to reproduction and nutrition in the sea stars, *Pisaster ochraceus* and *Patiria miniata*. BIOL. BULL. (WOODS HOLE) 140: 461-481.
- Noble, Alden E. and James T. Park. 1937. *Helicometrina elongata* n.sp. from the gobiesocid fish *Caularchus meandricus*, with an emended diagnosis of the trematode genus *Helicometrina*. TRANS. AMER. MICROSC. SOC. 56: 344-347.
- Norris, James N. 1971. Observations on the genus *Blidingia* (Chlorophyta) in California. J. PHYCOL. 7: 145-149.
- Nott, Charles P. 1900. Nitophylla of California, description and distribution. PROC. CALIF. ACAD. SCI. Ser. 3, Botany. 2: 1-62.
- Obrebski, Steven. 1968. On the population ecology of two intertidal invertebrates and the paleoecological significance of size-frequency distributions of living and dead shells of the bivalve *Transenella tantilla*. Ph. D. Thesis. Univ. Chicago. 102p.
- Olson, Carl E. 1969. Survey of marine cercariae from the coasts of Marin and Sonoma Counties, California. M. S. Thesis. Univ. Pacific. 72p.
- Osburn, Raymond C. 1950. Bryozoa of the Pacific coast of America. Part 1, Cheilostomata-Anasca. ALLAN HANCOCK PAC. EXPED. 14: 1-269.
- Osburn, Raymond C. 1952. Bryozoa of the Pacific coast of America. Part 2, Cheilostomata-Ascophora. ALLAN HANCOCK PAC. EXPED. 14: 271-611.
- Osburn, Raymond C. 1953. Bryozoa of the Pacific coast of America. Part 3, Cyclostomata, Entoprocta, and addenda. ALLAN HANCOCK PAC. EXPED. 14: 613-841.
- Park, James T. 1936. Two new trematodes, *Sterrhurus magnatestis* and *Tubulovesicula californica* (Hemiuridae) from littoral fishes of Dillon's Beach, California. TRANS. AMER. MICROSC. SOC. 55: 477-482.

- Park, James T. 1937a. A new trematode, *Genitocotyle acirrus* gen.nov., sp.nov., (Allocreadiidae) from *Holconotus rhodoterus*. TRANS. AMER. MICROSC. SOC. 56: 67-71.
- Park, James T. 1937b. A revision of the genus *Podocotyle* (Allocreadiinae), with a description of eight new species from tide pool fishes from Dillon's Beach, California. J. PARASITOL. 23: 405-422.
- Park, James T. see also Noble, Alden E. 1937.
- Patterson, Ronald E. 1968. Physiological ecology of *Tigriopus californicus*, a high intertidal copepod. M. A. Thesis. Univ. Calif., Berkeley. 22p.
- Pettit, Jean. see Menzies, Robert J. 1956.
- Piltz, Fred M. 1969. A record of the entoniscid parasite, *Portunion conformis* Muscatine (Crustacea: Isopoda) infecting two species of *Hemigrapsus*. BULL. S. CALIF. ACAD. SCI. 68: 257-259.
- Plant, Richard. 1969. Migrations of striped bass occurring in Tomales Bay. CALIF. FISH GAME 55: 152-154.
- Pohlo, Ross H. 1964. Ontogenetic changes of form and mode of life in *Tresus nuttalli* (Bivalvia: Mactridae). MALACOLOGIA 1: 321-330.
- Pohlo, Ross H. 1965. A note on the feeding behavior in *Tagelus californianus* (Bivalvia: Tellinacea). VELIGER 8: 225.
- Poole, Richard L. see Isaacson, Peter A. 1965.
- Rathbun, Mary J. 1902. Description of new decapod crustaceans from the west coast of North America. PROC. U. S. NAT. MUS. 24: 885-905.
- Rathbun, Mary J. 1904. Decapod crustaceans of the northwest coast of North America. HARRIMAN ALASKA EXPED. 10: 1-210.
- Rathbun, Mary J. 1918. The grapsoid crabs of America. U. S. NAT. MUS. BULL. 97: 1-461.
- Rathbun, Mary J. 1925. The spider crabs of America. U. S. NAT. MUS. BULL. 129: 1-213.
- Rathbun, Mary J. 1930. The cancrivora crabs of America of the families Euryalidae, Portunidae, Atelecyclidae, Cancridae, and Xanthidae. U. S. NAT. MUS. BULL. 152: 1-609.

- Rathbun, Mary J. 1937. The oxystomatous and allied crabs of America. U. S. NAT. MUS. BULL. 166: 1-278.
- Recher, Harry F. 1966. Some aspects of the ecology of migrant shorebirds. ECOLOGY 47: 393-407.
- Ribnick, Lawrence W. 1969. A study of polychaete symbiosis in the genus *Hesperonoe* Chamberlin, 1919. M. A. Thesis. Univ. Calif., Berkeley. 33p.
- Richardson, Harriet E. 1904a. Isopod crustaceans of the northwest coast of North America. HARRIMAN ALASKA EXPED. 10: 211-230.
- Richardson, Harriet E. 1904b. Isopod crustaceans of the northwest coast of North America. PROC. U. S. NAT. MUS. 27: 657-671.
- Ricketts, Edward F. and Jack Calvin. 1939. Between Pacific tides, an account of the habits and habitats of some five hundred of the common conspicuous seashore invertebrates on the Pacific coast between Sitka, Alaska, and northern Mexico. Stanford Univ. Press, Stanford. 320p.
- Ricketts, Edward F. and Jack Calvin. 1948. Between Pacific tides, an account of the habits and habitats of some five hundred of the common, conspicuous seashore invertebrates of the Pacific coast between Sitka, Alaska, and northern Mexico, rev. ed. Stanford Univ. Press, Stanford. 365p.
- Ricketts, Edward F. and Jack Calvin. 1952. Between Pacific tides, an account of the habits and habitats of some five hundred of the common, conspicuous seashore invertebrates of the Pacific coast between Sitka, Alaska, and northern Mexico, 3d ed., revised by Joel W. Hedgpeth. Stanford Univ. Press, Stanford, 502p.
- Ricketts, Edward F. and Jack Calvin. 1962. Between Pacific tides, 3d ed., rev. Stanford Univ. Press, Stanford. 516p.
- Ricketts, Edward F. and Jack Calvin. 1968. Between Pacific tides, 4th ed., revised by Joel W. Hedgpeth. Stanford Univ. Press, Stanford. 614p.
- Ridge, Russell M. 1963. Food habits of the bat ray, *Myliobatis californica*, from Tomales Bay, California. M. A. Thesis. Univ. Calif., Berkeley. 56p.
- Riegel, Jay A. 1958. Osmoregulation and its ecological significance in certain sphaeromid isopod crustacea. Ph. D. Thesis. Univ. Calif., Berkeley. 53p.

- Riegel, Jay A. 1959a. A revision of the sphaeromid genus *Gnorimosphaeroma* Menzies (Crustacea: Isopoda) on the basis of morphological, physiological and ecological studies on two of its "subspecies". BIOL. BULL. (WOODS HOLE) 117: 154-162.
- Riegel, Jay A. 1959b. Some aspects of osmoregulation in two species of sphaeromid isopod crustacea. BIOL. BULL. (WOODS HOLE) 116: 272-284.
- Robertson, Alice. 1900. Studies of Pacific coast Entoprocta. PROC. CALIF. ACAD. SCI. Ser. 3, Zoology. 2: 323-348.
- Robertson, Alice. 1910. The cyclostomatous bryozoa of the west coast of North America. UNIV. CALIF. PUBL. ZOOL. 6: 225-284.
- Rodella, Thomas D. 1968. Digenetic trematodes from embiotocid fishes of Tomales and Bodega Bays, California. M. S. Thesis. Univ. Pacific. 53p.
- Rodella, Thomas D. and Fuad M. Nahhas. 1969. Some digenetic trematodes of embiotocid fishes from Tomales and Bodega Bay, California. J. PARASITOL. 55: 758.
- Ruth, Ferdinand S. 1948. Studies on the natural history of limpets of the family Acmaeidae. M. A. Thesis. Univ. Pacific. 153p.
- Schmidtke, John. see Miller, Daniel J. 1956.
- Schmitt, Waldo L. 1921. The marine decapod crustacea of California with special reference to the decapod crustacea collected by the United States Bureau of Fisheries steamer "Albatross" in connection with the biological survey of San Francisco Bay during the years 1912-1913. UNIV. CALIF. PUBL. ZOOL. 23: 1-470.
- Scofield, N. B. 1918. The herring and the development of the herring industry in California. CALIF. FISH GAME 4: 65-70.
- Scofield, W. L. 1952. The Tomales Bay herring fishery. CALIF. FISH GAME 38: 499-504.
- Scofield, W. L. 1954. California fishing ports. CALIF. DEP. FISH GAME, FISH BULL. 96. 159p.
- Setchell, William A. 1901. Notes on algae. I. ZOE 5: 121-129.
- Setchell, William A. 1912. Algae Novae et minus cognitae, I. UNIV. CALIF. PUBL. BOT. 4: 229-268.
- Setchell, William A. and Nathaniel L. Gardner. 1919. The marine algae of the Pacific coast of North America. Part I. Myxophyceae. UNIV. CALIF. PUBL. BOT. 8: 1-138.

- Setchell, William A. and Nathaniel L. Gardner. 1920a. The marine algae of the Pacific coast of North America. Part II. Chlorophyceae. UNIV. CALIF. PUBL. BOT. 8: 139-374.
- Setchell, William A. and Nathaniel L. Gardner. 1920b. Phycological contributions. I. UNIV. CALIF. PUBL. BOT. 7: 279-324.
- Setchell, William A. and Nathaniel L. Gardner. 1922. Phycological contributions. II to VI. UNIV. CALIF. PUBL. BOT. 7: 333-426.
- Setchell, William A. and Nathaniel L. Gardner. 1925. The marine algae of the Pacific coast of North America. Part III. Melanophyceae. UNIV. CALIF. PUBL. BOT. 8: 383-898.
- Shapeero, William L. 1962. The distribution of *Priapulus caudatus* Lam. on the Pacific coast of North America. AMER. MIDLAND NATUR. 68: 237-241.
- Shepherd, William M. 1964. A guide to some Tomales Bay polychaetes. PACIFIC MARINE STATION, UNIV. PACIFIC. RES. REPT. 3. 34p.
- Shoemaker, Clarence R. 1941. A new genus and a new species of amphipod from the Pacific coast of North America. PROC. BIOL. SOC. WASH. 54: 183-186.
- Shoemaker, Clarence R. 1949. The amphipod genus *Corophium* on the west coast of America. J. WASH. ACAD. SCI. 39: 66-82.
- Shortridge, Kenneth R. 1959. The effects of anticholinergic drugs on sea anemones. M. S. Thesis. Univ. Pacific. 24p.
- Shulenberg, Eric. 1970. Responses of *Gemma gemma* to a catastrophic burial (Mollusca: Pelecypoda). VELIGER 13: 163-170. Also Contribution no. 10 from Pacific Marine Station of the University of the Pacific.
- Silva, Paul C. 1951. The genus *Codium* in California with observations on the structure of the walls of the utricles. UNIV. CALIF. PUBL. BOT. 25: 79-114.
- Silva, Paul C. 1957. Notes on Pacific marine algae. MADRONO 14: 41-51.
- Smith, DeBoyd L. 1971. A guide to marine coastal plankton, with emphasis on the Monterey, Tomales, and Bodega Bays of California. West Coast Plankton Studies, Dillon Beach, Calif. 82p.
- Smith, Edmund H. 1959. Embryological development of *Cucumaria curata*. M. A. Thesis. Univ. Pacific. 40p.
- Smith, Edmund H. 1962. Studies of *Cucumaria curata* Cowles 1907. PAC. NATUR. 3: 233-246.

- Smith, Edmund H. 1969. Functional morphology of *Penitella conradi* relative to shell-penetration. AMER. ZOOLOG. 9: 869-880. Also Contribution no. 8 from Pacific Marine Station of the University of the Pacific.
- Smith, Gilbert M. 1944. Marine algae of the Monterey Peninsula California. Stanford Univ. Press, Stanford, Calif. 622p.
- Smith, J. Gary. 1964. Notes on the life history and a description of the sharpnose seaperch, *Phanerodon atripes* (Jordan and Gilbert). CALIF. FISH GAME 50: 42-47.
- Smith, J. Gary. see also Follett, W. I. 1960, Gotshall, Daniel W. 1965.
- Smith, Leslie M. and Homer Lowe. 1948. The black gnats of California. HILGARDIA 18: 157-183.
- Smith, Ralph I. 1963. A comparison of salt loss rate in three species of brackish-water nereid polychaetes. BIOL. BULL. (WOODS HOLE) 125: 332-343.
- Smith, Robert H. see Leopold, A. Starker. 1953.
- Snyder, John O. 1916. The fishes of the streams tributary to Tomales Bay, California. U. S. BUR. FISH. BULL. 34: 377-381.
- Soot-Ryen, Tron. 1955. A report on the family Mytilidae (Pelecypoda). ALLAN HANCOCK PAC. EXPED. 20: 1-175.
- Sparling, Shirley R. 1971. Recent records of marine algae in San Luis Obispo County, California. PHYCOLOGIA 10: 235-240.
- Spies, Robert B. 1969. The functional morphology of *Axiiothella rubrocinta* (Johnson). M. S. Thesis. Univ. Pacific. 47p.
- Stearns, Robert E. C. 1867. List of shells collected at Bodega Bay, California, June, 1867. PROC. CALIF. ACAD. SCI. 3: 382-383.
- Steinberg, Joan E. 1963. Notes on the opisthobranchs of the west coast of North America - IV. A distributional list of opisthobranchs from Point Conception to Vancouver Island. VELIGER 6: 68-72.
- Steinberg, Joan. see also Dougherty, Ellsworth C. 1953.
- Stimpson, William. 1857a. Notice of new species of crustacea of western North America; being an abstract from a paper to be published in the journal of the society. PROC. BOSTON SOC. NAT. HIST. 6: 84-89.

- Stimpson, William. 1857b. On the crustacea and echinodermata of the Pacific coast of North America. BOSTON J. NATUR. HIST. 6: 444-532.
- Sullivan, Frank L. 1963. The breeding cycle of three intertidal hermit crabs. M. A. Thesis. Univ. Calif., Berkeley. 42p.
- Sutherland, John P. 1969. Ecology of high and low populations of the limpet, *Acmaea scabra* (Gould). Ph.D. Thesis. Univ. Calif., Berkeley. 115p.
- Tarp, Fred H. 1952. A revision of the family Embiotocidae (the surfperches). CALIF. DEP. FISH GAME, FISH BULL. 88. 99p.
- Test, Avery R. 1945. Ecology of the California *Acmaea*. ECOLOGY 26: 395-405.
- Test, Avery R. 1946. Speciation in limpets of the genus *Acmaea*. CONTRIB. LAB. VERTEBRATE BIOL., UNIV. MICH. 31. 24p.
- Test, Avery R. see also Grant, Avery R.
- Thorpe, Spencer R., Jr. 1962. A preliminary report on spawning and related phenomena in California chitons. VELIGER 4: 202-210.
- Thum, Alan B. 1968. An ecological study of *Notoplana acticola*, a polyclad flatworm, in the rocky intertidal habitat on the north central California coast. M. S. Thesis. Univ. Pacific. 134p.
- Tierney, Robert J. and others. 1966. Exploring tidal life along the Pacific coast, with emphasis on Point Reyes National Seashore. Tidepool Associates, Berkeley, Calif. 64p.
- Tierney, Robert J. and others. 1967. Exploring tidal life along the Pacific coast, with emphasis on Point Reyes National Seashore. 2d ed. Tidepool Associates, Berkeley, Calif. 65p.
- Torrey, Harry B. 1902. The hydroids of the Pacific coast of North America, with especial reference to the species in the collection of the University of California. UNIV. CALIF. PUBL. ZOOLOG. 1: 1-104.
- Trason, Winona B. see Abbott, Donald P. 1968.
- Treadwell, Aaron L. 1914. Polychaetous annelids of the Pacific coast in the collections of the zoological museum of the University of California. UNIV. CALIF. PUBL. ZOOLOG. 13: 175-234.
- Turner, Ruth D. 1955. The family Pholadidae in the western Atlantic and the eastern Pacific. Part II. Martesiinae, Jouannetiinae and Xylophaginae. JOHNSONIA 3: 65-160.

- Van Dyke, Edwin C. 1918. New inter-tidal rock-dwelling Coleoptera from California. ENTOMOL. NEWS 29: 303-308.
- Waidzunus, Richard J. see Menzies, Robert J. 1948.
- Warner, Ronald W. see Katkansky, Stanley C. 1969, 1970.
- Watling, Leslie E. 1969. A discussion of the Cytherinae (Ostracoda) with description of two new species. M. S. Thesis. Univ. Pacific. 44p.
- Watling, Leslie E. 1970. Two new species of Cytherinae (Ostracoda) from central California. CRUSTACEANA 19: 251-263. Also Contribution no. 12 from Pacific Marine Station of the University of the Pacific.
- Watling, Leslie E. see also Narchi, Walter. 1968.
- Weymouth, Frank W. 1920. The edible clams, mussels and scallops of California. CALIF. FISH GAME, FISH BULL. 4. 72p.
- Wheeler, Richard J. 1970. Occurrence of a flamingo at Tomales Bay. CALIF. FISH GAME 56: 209-210.
- Williams, Gary C. see Gorsliner, Terrence M. 1970.
- Williams, Leslie G. 1971a. Larval development and feeding ecology of *Hermisenda crassicornis* (Eschscholtz) and *Aeolidia papillosa* (Linnaeus). M. S. Thesis. Univ. Pacific. 62p.
- Williams, Leslie G. 1971b. Veliger development in *Dendronotus frondosus* (Ascanius, 1774) (Gastropoda: Nudibranchia). VELIGER 14: 166-171. Also Contribution no. 20 from Pacific Marine Station of the University of the Pacific.
- Wirth, Willis W. 1949. A revision of the Clunionine midges with descriptions of a new genus and four new species (Diptera: Tendipedidae). UNIV. CALIF. PUBL. ENTOMOL. 8: 151-182.
- Wirth, Willis W. 1952. The Heleidae of California. UNIV. CALIF. PUBL. ENTOMOL. 9: 95-266.
- Woodwick, Keith H. see Blake, James A. 1972.
- Wright, Howard O. 1960. Note on the aggregation of *Aplysia californica* (Cooper). VELIGER 2: 63-64.
- Wynne, Michael J. 1969. Life history and systematics of some Pacific North American Phaeophyceae (Brown algae). UNIV. CALIF. PUBL. BOT. 50: 1-88.

Ziegler, Alan C. 1960. Annotated list of Pycnogonida collected near Bolinas, California. VELIGER 3: 19-22.

SUBJECT INDEX

BEACHES

Johnson, R. G. 1967a.

BEHAVIOR

Bock, C. E. & R. E. Johnson.
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Brusca, G. J. 1967.
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Mettrick, D. F. & J. B.
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Johnson, R. G. 1964, 1970.
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DISTRIBUTION

Abbott, D. P. & W. B. Trason.
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Arnold, Z. M. 1951.
Bane, G. W. & A. W. Bane. 1971.
Bock, C. E. & R. E. Johnson.
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Burghardt, G. & L. Burghardt. 1971.
Chivers, D. D. 1967.
Clark, R. B. & E. C. Haderlie.
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Cole, L. J. 1904.
Dawson, E. Y. 1949, 1961.
Dougherty, E. C. & J. Steinberg.
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Eikenberry, A. B., Jr. 1966.
Fisher, W. K. 1946, 1952.
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Follett, W. I., D. Gotshall &
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Gardner, N. L. 1917, 1927.
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Hollenberg, G. J. & I. A. Abbott. 1966.
 Holmes, S. J. 1894, 1900.
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 Isaacson, P. A. & R. L. Poole. 1965.
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 Treadwell, A. L. 1914.
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ECOLOGY

Bonar, D. B. 1970.
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Byers, H. B. 1930.
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 Johnson, R. G., W. R. Bryant, & J. W. Hedgpeth. 1961.
 Johnson, R. G. & J. A. Juskevici. 1965.

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- Light, S. F. 1941, 1964.
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- Bush, J. B. 1930.
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- Banerjee, T. 1971.
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- Berg, C. J., Jr. 1968.
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INTERSTITIAL STUDIES

- Johnson, R. G. 1967a.

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- Bock, C. E. & R. E. Johnson.
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- Banerjee, T. 1966, 1971.
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- Berg, C. J., Jr. 1971.
 Eikenberry, A. B., Jr. 1966.
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- Barrett, E. M. 1963.
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- Haydock, C. I. 1961.
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- Berg, C. J., Jr. 1968, 1969.
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- Narchi, W. 1971.
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- Shortridge, K. R. 1959.

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- Hamby, R. J. 1965.
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- Born, J. W. 1966, 1970.
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- Copsey, J. E. 1950.
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- Born, J. W. 1970.
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- Martin, E. J. 1963.
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- Cattell, S. A. 1966.
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- California Dept. Public Health.
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 California Water Qual. Control
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- Bowers, D. E. 1964.
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REPRODUCTIVE SYSTEM

- Berg, C. J., Jr. 1968, 1969.
 Efford, I. E. 1967.
 Fritchman, H. K., Jr. 1961a,
 1961b.
 Graves, E. M. 1935.
 Hanson, J. C. 1957.
 Houston, R. S. 1970, 1971.
 Johansen, H. W. 1966.
 LeBoeuf, R. 1971.
 Leonard, V. K., Jr. 1968,
 1969.
 Lipps, J. H. & M. G. Erskian.
 1969.
 Menesini, M. M. 1954.
 Miller, D. J. & J. Schmidtke.
 1956.

- Narchi, W. 1971.
 Nimitz, Sr. M. Aquinas, O.P.
 1971.
 Ruth, F. S. 1948.
 Smith, E. H. 1959, 1962.
 Sullivan, F. S. 1963.
 Sutherland, J. P. 1969.
 Thorpe, S. R., Jr. 1962.
 Thum, A. B. 1968.

SUBSTRATE RELATIONS

- Bowers, D. E. 1964.
 Kudenov, J. D. 1971.
 Maurer, D. L. 1964, 1967b,
 1969.
 Pohlo, R. H. 1964.

SYMBIOSIS

- Ribnick, L. W. 1969.

SYSTEMATICS

- Beeman, R. D. 1963.
 Blake, J. A. & K. H. Woodwick.
 1972.
 Chitwood, B. G. 1960.
 Correa, D. D. 1964.
 Fisher, W. K. 1952.
 Garth, J. S. 1958.
 Gooding, R. U. 1960.
 Grant, A. R. 1933, 1938.
 Haig, J. 1960.
 Hand, C. H., Jr. 1955a, 1955b,
 1956.
 Hartman, O. 1938c.
 Johansen, H. W. 1966.
 Light, S. F. & O. Hartman.
 1937.
 MacFarland, F. M. 1966.
 Mason, L. R. 1953.
 Menzies, R. J. 1954, 1957.
 Menzies, R. J. & J. L. Barnard.
 1951.
 Rathbun, M. J. 1918, 1925,
 1930, 1937.
 Silva, P. C. 1951.
 Snyder, J. O. 1916.
 Test, A. R. 1946.
 Turner, R. D. 1955.

SYSTEMATICS (Cont.)

Wynne, M. J. 1969.

TAXONOMY

- Abbott, D. P. & W. B. Trason. 1968.
 Bane, G. W. & A. W. Bane. 1971.
 Blake, J. A. & K. H. Woodwick. 1972.
 Bolin, R. L. 1944.
 Bousfield, E. L. 1957.
 Chace, F. A., Jr. 1951.
 Chamberlin, R. V. 1960.
 Chitwood, B. G. 1960.
 Cole, L. J. 1904.
 Collins, F. S. 1906.
 Correa, D. D. 1964.
 Dawson, E. Y. 1949.
 Dougherty, E. C. & J. Steinberg. 1953.
 Fisher, W. K. 1946, 1952.
 Gardner, N. L. 1917, 1918, 1927.
 Garth, J. S. 1958.
 Gooding, R. U. 1960.
 Grant, A. R. 1933, 1938.
 Haig, J. 1960.
 Hand, C. H., Jr. 1951, 1955a, 1955b, 1956, 1957.
 Hart, J. F. L. 1964.
 Hartman, O. 1936a, 1936b, 1936c, 1936d, 1938a, 1938b, 1938c, 1944, 1947, 1961, 1968, 1969.
 Harford, W. G. W. 1876.
 Hedgpeth, J. W. 1951.
 Hilton, W. A. 1943a, 1943b.
 Hobson, K. D. 1971.
 Hollenberg, G. J. & I. A. Abbott. 1966.
 Holmes, S. J. 1894, 1900.
 Hyman, L. H. 1947, 1953.
 Johansen, H. W. 1966.
 Johnson, W. F. 1949.
 Johnson, W. F. & J. E. Copsey. 1953.
 Karling, T. G. 1962a, 1962b, 1964, 1966.
 Lang, K. 1961, 1965.
 Lockington, W. N. 1876.
 Marcus, E. 1961, 1964.
 Mason, L. R. 1953.
 Menzies, R. J. 1948, 1949, 1950a, 1950b, 1951, 1952, 1954, 1957.
 Menzies, R. J. & J. L. Barnard. 1951.
 Menzies, R. J. & J. Pettit. 1956.
 Menzies, R. J. & R. J. Waidzunus. 1948.
 Mettrick, D. F. & J. B. Jennings. 1969.
 Mizelle, J. D. & D. C. Kritsky. 1967.
 Moore, I. 1956.
 Noble, A. E. & J. T. Park. 1937.
 Norris, J. N. 1971.
 Nott, C. P. 1900.
 Osburn, R. C. 1950, 1952, 1953.
 Park, J. T. 1936, 1937a, 1937b.
 Rathbun, M. J. 1902, 1904, 1918, 1925, 1930, 1937.
 Richardson, H. E. 1904a, 1904b.
 Riegel, J. A. 1959a.
 Robertson, A. 1900, 1910.
 Rodella, T. D. 1968.
 Schmitt, W. L. 1921.
 Setchell, W. A. 1901, 1912.
 Setchell, W. A. & N. L. Gardner. 1919, 1920a, 1920b, 1922, 1925.
 Shoemaker, C. R. 1941, 1949.
 Silva, P. C. 1951, 1957.
 Smith, G. M. 1944.
 Soot-Ryen, T. 1955.
 Stimpson, W. 1857a, 1857b.
 Tarp, F. H. 1952.
 Torrey, H. B. 1902.
 Treadwell, A. L. 1914.
 Van Dyke, E. C. 1918.
 Watling, L. E. 1969, 1970.
 Wirth, W. W. 1949, 1952.
 Wynne, M. J. 1969.

TUBE BUILDING, BURROWING, ETC.

Armstrong, L. R. 1965.

TUBE BUILDING, BURROWING, ETC.
(Cont.)

- Bowers, D. E. 1964.
Maurer, D. L. 1967a.
Pohlo, R. H. 1964.
Shulenberger, E. 1970.
Smith, E. H. 1969.
Spies, R. B. 1969.

ZOOPLANKTON

- Cattell, S. A. 1966.
Loose, T. L. 1970.
McClain, A. W. 1954.
Smith, D. L. 1971.

TAXONOMIC INDEX

PROTOZOA

General

- Bush, J. B. 1930.
Cattell, S. A. 1966.
Maurer, D. L. 1968.

Elphidium lene

- Loose, T. L. 1970.

Glabratella ornatissima

- Lipps, J. H. & M. G.
Erskian. 1969.
Loose, T. L. 1970.

Gromia oviformis

- Arnold, Z. M. 1951.

Minchinia costalis

- Katkansky, S. C. & R. W.
Warner. 1970.

Rosalina globularis

- Loose, T. L. 1970.

COELENTERATA

General

- Hand, C. H., Jr. 1951.

Anthopleura artemisia

- Hand, C. H., Jr. 1955b.

Anthopleura elegantissima

- Hand, C. H., Jr. 1955b.
Martin, E. J. 1963.

Anthopleura xanthogrammica

- Hand, C. H., Jr. 1955b.
Martin, E. J. 1963.

Campanularia fusiformis

- Torrey, H. B. 1902.

Campanularia urceolata

- Torrey, H. B. 1902.

Campanularia volubilis

- Torrey, H. B. 1902.

Cladonema californica

- Hyman, L. H. 1947. *

Corynactis californica

- Martin, E. J. 1963.

Epiactis prolifera

- Hand, C. H., Jr. 1955b.
Shortridge, K. R. 1959.

Eudendrium californicum

- Torrey, H. B. 1902.

Halcampa decententaculata

- Hand, C. H., Jr. 1955a.

Haliplanella luciae

- Hand, C. H., Jr. 1956.

Hydractinea milleri

- Torrey, H. B. 1902.

Metridium exilis

- Hand, C. H., Jr. 1956.

Metridium senile

- Hand, C. H., Jr. 1956.
Martin, E. J. 1963.

Nematostella vectensis

- Hand, C. H., Jr. 1957.

COELENTERATA (Cont.)

- Sertularia argentea*
Torrey, H. B. 1902.
- Sertularia turgida*
Torrey, H. B. 1902.
- Tealia coriacea*
Hand, C. H., Jr. 1955b.
- Tealia crassicornis*
Hand, C. H., Jr. 1955b.
Martin, E. J. 1963.
- Tealia lofotensis*
Hand, C. H., Jr. 1955b.
Martin, E. J. 1963.
- Velella velella*
Mackie, G. O. 1962.

ASCHELMINTHES

Priapulioidea

- Priapulius caudatus*
Shapeero, W. L. 1962.

MISCELLANEOUS WORMS

Platyhelminthes

- General
Copsey, J. E. 1950.
Fisk, L. H. 1949.
Gale, F. C. 1947.
Giles, D. E. 1956.
Nahhas, F. M. 1960.
Rodella, T. D. & F. M. Nahhas.
1969.
- Archimonocelis coronata*
Karling, T. G. 1966. *
- Archimonocelis semicircularis*
Karling, T. G. 1966.
- Archotoplana dillonbeachensis*
Karling, T. G. 1964. *

- Asilomaria ampullata*
Karling, T. G. 1966. *
- Cercaria californica*
Olson, C. E. 1969.
- Cercaria noblei*
Giles, D. E. 1962. *
- Coelogyropora paracnida*
Karling, T. G. 1966. *
- Cylindrostoma monotrochum*
Karling, T. G. 1962b.
- Diplangus macrovitellus*
Rodella, T. D. 1968.
- Genitocotyle acirrus*
Park, J. T. 1937a. *
Rodella, T. D. 1968.
- Gyrodactylus ackerti*
Mizelle, J. D. & D. C. Kritsky.
1967. *
- Gyrodactylus branchius*
Mizelle, J. D. & D. C. Kritsky.
1967. *
- Helicometrina elongata*
Noble, A. E. & J. T. Park.
1937. *
- Itaspiella bodegae*
Karling, T. G. 1964. *
- Itaspiella bursituba*
Karling, T. G. 1964. *
- Monocelis tenella*
Karling, T. G. 1966. *
- Neozoogonus bodegensis*
Rodella, T. D. 1968. *
- Notoplana articola*
Hyman, L. H. 1953.
Thum, A. B. 1968.

MISCELLANEOUS WORMS

Platyhelminthes (Cont.)

Opisthadena bodegensis

Johnson, W. F. & J. E. Copsey.
1953. *

Parviplana californica

Hyman, L. H. 1953.

Plagiostomum hedgpethi

Karling, T. G. 1962a.

Plagiostomum langi

Karling, T. G. 1962a. *

Podocotyle apodichthysi

Park, J. T. 1937b. *

Podocotyle attenuata

Johnson, W. F. 1949. *

Podocotyle blennicottusi

Park, J. T. 1937b. *

Podocotyle bodegensis

Johnson, W. F. 1949. *

Podocotyle californica

Park, J. T. 1937b. *

Podocotyle cebidichthysi

Johnson, W. F. 1949. *

Podocotyle copsisii

Johnson, W. F. 1949. *

Podocotyle elongata

Park, J. T. 1937b. *

Podocotyle endohhrysi

Park, J. T. 1937b. *

Podocotyle hexagrammosi

Johnson, W. F. 1949. *

Podocotyle kofoidi

Park, J. T. 1937b. *

Podocotyle pacifica

Park, J. T. 1937b. *

Podocotyle pedunculata

Park, J. T. 1937b. *

Probolitrema tomalis

Graves, E. M. 1935. *

Promonotus orthocirrus

Karling, T. G. 1966. *

Pseudostomum californicum

Karling, T. G. 1962b.

Serpentiplana doughertyi

Karling, T. G. 1964. *

Stephanostomum sp.

Rodella, T. D. 1968.

Stephanostomum pacificum

Hughes, J. F. 1952. *

Sterrhurus magnatestis

Park, J. T. 1936. *

Stylochus atentaculatus

Hyman, L. H. 1953.

Stylochus exiguus

Hyman, L. H. 1953.

Syndesmis antillarum

Mettrick, D. F. & J. B. Jennings.
1969.

Syndesmis franciscana

Mettrick, D. F. & J. B. Jennings.
1969.

Telolecithus pugetensis

Rodella, T. D. 1968.

Tubulovesicula californica

Park, J. T. 1936. *

Tubulovesicula lindbergi

Rodella, T. D. 1968.

MISCELLANEOUS WORMS

Nemertina

- Amphiporus cruentatus*
Correa, D. D. 1964.
- Amphiporus formidabilis*
Correa, D. D. 1964.
- Amphiporus imparispinosus*
Correa, D. D. 1964.
- Cerebratulus albifrons*
Correa, D. D. 1964.
- Cerebratulus longiceps*
Correa, D. D. 1964.
- Cerebratulus montgomeryi*
Correa, D. D. 1964.
- Cerebratulus occidentalis*
Correa, D. D. 1964.
- Emplectonema gracile*
Correa, D. D. 1964.
- Micrura verrilli*
Correa, D. D. 1964.
- Paranemertes peregrina*
Correa, D. D. 1964.
- Procephalothrix spiralis*
Correa, D. D. 1964.
- Tetrastemma nigrifrons*
Correa, D. D. 1964.
- Tubulanus cingulatus*
Correa, D. D. 1964.
- Tubulanus polymorphus*
Correa, D. D. 1964.
- Tubulanus sexlineatus*
Correa, D. D. 1964.

MISCELLANEOUS WORMS

Nematoda

- Eurystomina ornatum*
Chitwood, B. G. 1960.
- Metoncholaimus longiovum*
Chitwood, B. G. 1960. *
- Oncholaimus dujardinioides*
Chitwood, B. G. 1960. *
- Oncholaimus skawensis*
Chitwood, B. G. 1960.
- Paraeurystomina atypica*†
Chitwood, B. G. 1960. *
- Pontonema problematicum*
Chitwood, B. G. 1960. *
- Thoonchus ferox*
Chitwood, B. G. 1960.

ENTOPROCTA

- Myosoma spinosa*
Robertson, A. 1900. *

BRYOZOA

General

- Osburn, R. C. 1950, 1952,
1953.
- Crisia franciscana*
Robertson, A. 1910.
- Crisia geniculata*
Robertson, A. 1910.
- Dakaria apertura*
Osburn, R. C. 1952. *
- Farella elongata*
Helfman, E. S. 1968.

PHORONIDA AND BRACHIOPODA

Phoronopsis viridis

Johnson, R. G. 1959.

MOLLUSCA

General

Bonnot, P. 1938.

Copsey, J. E. 1950.

Fitch, J. E. 1953.

Gorsliner, T. M. & G. C.

Williams. 1970.

Lance, J. R. 1961.

Macdonald, K. B. 1967, 1969a,
1969b.

Maurer, D. L. 1964.

Olson, C. E. 1969.

Soot-Ryen, T. 1955.

Stearns, R. E. C. 1867.

Steinberg, J. R. 1963.

Weymouth, F. W. 1920.

Acanthina spirata

Haydock, C. I. 1961, 1964.

Acmaea

Grant, A. R. 1933, 1938.

Ruth, F. S. 1948.

Test, A. R. 1945, 1946.

*Acmaea limatula*Fritchman, H. K., Jr. 1961a,
1961b.*Acmaea scabra*

Sutherland, J. P. 1969.

Adula (Botula) falcata

Fankboner, P. V. 1970, 1971.

Aeolidia papillosa

Williams, L. G. 1971a.

Aplysia californica

Wright, H. O. 1960.

Bathybembix bairdi

Merriam, J. A. 1967.

Batillaria zonalis

Driscoll, A. L. 1969, 1972.

Cerithidea californica

Driscoll, A. L. 1969, 1972.

Chaetopleura

Thorpe, S. R., Jr. 1962.

Chelidonura phocae

Marcus, E. 1961. *

Coryphella fisheri

MacFarland, F. M. 1966.

Coryphella puinca

Marcus, E. 1961. *

*Coryphella trilineata*Bridges, C. & J. A. Blake.
1972.*Crassostrea gigas*

Barrett, E. M. 1963.

Berg, C. J., Jr. 1968, 1969,
1971.*Crassostrea virginica*

Barrett, E. M. 1963.

Berg, C. J., Jr. 1968, 1969,
1971.

Katkansky, S. C. & R. W.

Warner. 1970.

Dendronotus frondosus

Williams, L. G. 1971b.

Doto ganda

Marcus, E. 1961. *

Doto wara

Marcus, E. 1961. *

Elysia hedgpethi

Marcus, E. 1961. *

Gemma gemma

Narchi, W. 1971.

Shulenberger, E. 1970.

MOLLUSCA (Cont.)

Hermæina smithi

Gonor, J. J. 1961.

Marcus, E. 1961. * ,

Hermisenda crassicornis

Williams, L. G. 1971a.

Ilyanassa obsoleta

Hanna, G. D. 1966.

Ischnochiton mertensii

Helfman, E. S. 1968.

*Littorina planaxis*Bock, C. E. & R. E. Johnson.
1967.*Littorina scutulata*Bock, C. E. & R. E. Johnson.
1967.*Lysonia californica*Maurer, D. L. 1969.
Narchi, W. 1968.*Macoma nasuta*

Armstrong, L. R. 1965.

Macoma secta

Armstrong, L. R. 1965.

Modiolus senhousei

Hanna, G. D. 1966.

Mopalia

Thorpe, S. R., Jr. 1962.

*Mopalia hindsii*Burghardt, G. & L. Burghardt.
1969.*Mytilus californianus*

Giles, D. E. 1956, 1962.

*Mya arenaria*Armstrong, L. R. 1965.
Hanna, G. D. 1966.*Mysella tumida*

Maurer, D. L. 1967b, 1969.

Oceanebra cinerea

Haydock, C. I. 1961, 1964.

Ostrea edulis

Hanna, G. D. 1966.

Katkansky, S. C., W. A. Dahlstrom,
& R. W. Warner. 1969.Leonard, V. K., Jr. 1968,
1969.*Ostrea gigas*

Bonnot, P. 1935.

*Ostrea lurida*Barrett, E. M. 1963.
Bonnot, P. 1935.*Ostrea sinuata*

Hanna, G. D. 1966.

Ostrea virginica

Bonnot, P. 1935.

Parapholas californica

Turner, R. D. 1955.

Penitella conradi

Smith, E. H. 1969.

Penitella gabbi

Turner, R. D. 1955.

Penitella penita

Turner, R. D. 1955.

Phyllaplysia taylori

Beeman, R. D. 1963.

Pleurobranchia californica

Chivers, D. D. 1967.

Pododesmus cepio

Leonard, V. K. 1968, 1969.

Polycera atra

Marcus, E. 1964.

MOLLUSCA (Cont.)

- Polycera hedgpethi*
Marcus, E. 1964. *
- Precuthona divae*
Marcus, E. 1961.
- Protothaca staminea*
Armstrong, L. R. 1965.
- Pseudopythina rugifera*
Narchi, W. 1969.
- Saxidomus nuttalli*
Armstrong, L. R. 1965.
- Tagelus californianus*
Pohlo, R. H. 1965.
- Tegula brunnea*
Breed, A. E. 1950.
- Tegula funebris*
Breed, A. E. 1950.
- Tellina buttoni*
Maurer, D. L. 1967a, 1967b,
1967c, 1969.
- Tellina salmonea*
Maurer, D. L. 1967a, 1967b,
1967c, 1969.
- Thais canaliculata*
Houston, R. S. 1970, 1971.
- Thais emarginata*
Houston, R. S. 1970, 1971.
LeBoeuf, R. 1971.
- Transennella tantilla*
Maurer, D. L. 1967a, 1967b,
1967c, 1969,
Narchi, W. 1970, 1971.
Obrebski, S. 1968.
- Tresus nuttalli*
Armstrong, L. R. 1965.
Pohlo, R. H. 1964.

Urosalpinx cinerea
Haydock, C. I. 1961, 1964.

Venus mercenaria
Hanna, G. D. 1966.

ANNELIDA

General

Hartman, O. 1936c, 1968,
1969.
Shepherd, W. M. 1964.

Amaea occidentalis
Hartman, O. 1944.

Anaitides williamsi
Hartman, O. 1936d. *

Axiiothella rubrocincta
Kudenov, J. D. 1971.
Spies, R. B. 1969.

Chaetozone setosa
Hartman, O. 1961.

Chone minuta
Hartman, O. 1944. *

Chone mollis
Bonar, D. B. 1970.

Clavadoce splendida
Hartman, O. 1936d. *

Clymenella
Kudenov, J. D. 1971.

Clymenella rubrocincta
Treadwell, A. L. 1914.

Eteone dilatata
Hartman, O. 1936d. *

Euzonus (Thoracophelia) mucronata
Eikenberry, A. B., Jr. 1966.

Glycera rugosa
Treadwell, A. L. 1914.

ANNELIDA (Cont.)

- Glycera tenuis*
Hartman, O. 1944. *
- Halosydna insignis*
Treadwell, A. L. 1914.
- Harmothoe imbricata*
Treadwell, A. L. 1914.
- Hemipodia borealis*
Treadwell, A. L. 1914.
- Hesperonoe adventor*
Ribnick, L. W. 1969.
- Hesperonoe complanata*
Ribnick, L. W. 1969.
- Lanice heterobranchia*
Treadwell, A. L. 1914.
- Lumbrinereis zonata*
Treadwell, A. L. 1914.
- Magelona pitelkai*
Hartman, O. 1944. *
- Mediomastus californiensis*
Hartman, O. 1944. *
- Neanthes lighti*
Hartman, O. 1938a. *
- Nephtys caecoides*
Clark, R. B. & E. C.
Haderlie. 1962.
Hartman, O. 1938c. *
- Nephtys californiensis*
Clark, R. B. & E. C.
Haderlie. 1962.
Hartman, O. 1938c. *
- Nereis (ceratonereis) tunicatae*
Hartman, O. 1936a. *
- Nereis limnicola*
Smith, R. I. 1963.
- Nereis vexillosa*
Treadwell, A. L. 1914.
- Notomastus magnus*
Hartman, O. 1947. *
- Onuphis elegans*
Hobson, K. D. 1971.
- Onuphis iridescens*
Hobson, K. D. 1971.
- Oxydromus arenicolus glabrus*
Hartman, O. 1961.
- Pectinophelia dillonensis*
Hartman, O. 1938b. *
- Pectinophelia williamsi*
Hartman, O. 1938b. *
- Peisidice aspera*
Treadwell, A. L. 1914.
- Pholoe glabra*
Hartman, O. 1961.
- Polydora brachycephala*
Hartman, O. 1936b.
- Polydora convexa*
Blake, J. A. & K. H.
Woodwick. 1972.
- Polydora elegantissima*
Blake, J. A. & K. H.
Woodwick. 1972.
- Polydora pygidialis*
Blake, J. A. & K. H.
Woodwick. 1972.
- Praxillella affinis pacifica*
Kudenov, J. D. 1971.
- Pseudopotamilla socialis*
Hartman, O. 1944. *
- Ramex californiensis*
Hartman, O. 1944. *

ANNELIDA (Cont.)

- Spinosphaera oculata*
Hartman, O. 1944. *
- Stauronereis articulatus*
Hartman, O. 1938b. *
- Steggoa californiensis*
Hartman, O. 1936d. *
- Streblospio luticola*
Hartman, O. 1936b.
- Syllis (Pionosyllis) elongata*
Treadwell, A. L. 1914.
- Travisia gigas*
Hartman, O. 1938b.
- Trophonia papillata*
Treadwell, A. L. 1914.

SIPUNCULOIDA AND ECHIUROIDA

- Dendrostomum dyscritum*
Fisher, W. K. 1952.
- Dendrostomum perimeces*
Fisher, W. K. 1952.
- Dendrostomum pyroides*
Fisher, W. K. 1952.
- Listriolobus pelodes*
Fisher, W. K. 1946.
- Phascolosoma agassizii*
Fisher, W. K. 1952.
- Urechis caupo*
Hanson, J. C. 1957.
Ribnick, L. W. 1969.

ARTHROPODA

General

- Dougherty, E. C. & J.
Steinberg. 1953.
- Garth, J. S. 1958.
- Gray, W. S., Jr. 1969.

- Montgomery, D. H. 1956.
- Rathbun, M. J. 1918, 1925,
1930, 1937.
- Richardson, H. E. 1904b.
- Schmitt, W. L. 1921.

- Achelia gracilipes*
Hedgpeth, J. W. 1951.

- Achelia simplissima*
Hedgpeth, J. W. 1951. *

- Achelia spinoseta*
Hedgpeth, J. W. 1951.

- Alloniscus perconvexus*
Brusca, G. J. 1961, 1966.

- Ameira parasimulans*
Lang, K. 1965.

- Ammothea simplissima*
Hilton, W. A. 1943a. *

- Ammothella menziesi*
Hedgpeth, J. W. 1951. *

- Ammothella tuberculata*
Cole, L. J. 1904.
Hedgpeth, J. W. 1951.

- Amonardia perturbata*
Lang, K. 1965. *

- Amphiascoides dimorphus*
Lang, K. 1965. *

- Antais hirsutus*
Menzies, R. J. 1951. *

- Arenopodtia dillonbeachia*
Lang, K. 1965. *

- Argulus pugettensis*
Stimpson, W. 1857b.

- Armadilloniscus coronacapitalis*
Menzies, R. J. 1950a. *

- Armadilloniscus holmesi*
Menzies, R. J. 1950a.

ARTHROPODA (Cont.)

Armadilloniscus lindahli
Menzies, R. J. 1950a.

Asellus tomalensis
Harford, W. G. W. 1876. *
Richardson, H. E. 1904a.

Atrichopogon fuscus
Wirth, W. W. 1952.

Atrichopogon transversus
Wirth, W. W. 1952. *

Axiu spinulicauda
Rathbun, M. J. 1902 *,
1904.

Betaeus setosus
Hart, J. F. L. 1964.

Caecianiropsis psammophilia
Menzies, R. J. & J.
Pettit. 1956. *

Callianassa californiensis
Holmes, S. J. 1900.

Cancer antennarius
Mir, R. D. 1959, 1961.
Stimpson, W. 1857b.

Cancer anthonyi
Mir, R. D. 1959, 1961.

Cancer gracilis
Holmes, S. J. 1900.
Stimpson, W. 1857b.

Cancer magister
Mir, R. D. 1959, 1961.

Cancer productus
Stimpson, W. 1857b.

Cirolana harfordi
Brusca, G. J. 1961, 1966.

Clausidium vancouverense
Light, S. F. & O. Hartman.
1937.

Colanthura squamosissima
Menzies, R. J. 1951. *

Corophium stimpsoni
Sheomaker, C. R. 1941 *,
1949.

Crangon franciscorum
Holmes, S. J. 1900.
Stimpson, W. 1857b.

Crangon nigricauda
Stimpson, W. 1857b.

Cyathura munda
Menzies, R. J. 1951. *

Dactylopodia crassipes
Lang, K. 1965. *

Dactylopodia paratispoides
Lang, K. 1965. *

Dasyhelea johannseni
Wirth, W. W. 1952.

Diathrodes dissimilis
Lang, K. 1965.

Dirathrodes unisetosus
Lang, K. 1965. *

Diosaccus spinatus
Lang, K. 1965.

Dynamene tuberculosa
Richardson, H. E. 1904a.

Echinolaophonte armiger (Gurney)
f. *briani*
Lang, K. 1965. *

Ectinosoma melaniceps
Lang, K. 1965.

Emerita analoga
Efford, I. E. 1967.
Menesini, M. M. 1954.

Endeis compacta
Hilton, W. A. 1943b. *

ARTHROPODA (Cont.)

- Eohaustorius washingtonianus*
Obrebski, S. 1968.
- Epialtus productus*
Stimpson, W. 1857b.
- Eupagurus samuelis*
Stimpson, W. 1857a *, 1857b.
- Eurystethes (Aegialites) subopacus*
Van Dyke, E. C. 1918.
- Gnorimosphaeroma noblei*
Menzies, R. J. 1954. *
Riegel, J. A. 1958.
- Gnorimosphaeroma oregonensis*
Riegel, J. A. 1958, 1959a, 1959b.
- Gnorimosphaeroma oregonensis lutea*
Menzies, R. J. 1954. *
- Halosoma viridintestinalis*
Cole, L. J. 1904. *
Hedgpeth, J. W. 1951.
- Harpacticus pacificus*
Lang, K. 1965. *
- Harpacticus spinulosus*
Lang, K. 1965. *
- Hemicyclops pugettensis*
Light, S. F. & O. Hartman. 1937.
- Hemicyclops subadhaerens*
Gooding, R. U. 1960.
- Hemicyclops thysanotus*
Gooding, R. U. 1960.
- Hemigrapsus nudus*
Piltz, F. M. 1969.
- Hemigrapsus oregonensis*
Piltz, F. M. 1969.
- Hepatacarpus paludicola*
Holmes, S. J. 1900.
- Hippa analoga*
Stimpson, W. 1857b.
- Hippolyte californiensis*
Chace, F. A., Jr. 1951.
Holmes, S. J. 1894 *, 1900.
Rathbun, M. J. 1904.
- Holoconops kerteszi*
Smith, L. M. & H. Lowe. 1948.
- Iais californica*
Menzies, R. J. & J. L. Barnard. 1951.
- Ianiropsis analoga*
Menzies, R. J. 1952. *
- Ianiropsis epilittoralis*
Menzies, R. J. 1952. *
- Ianiropsis minuta*
Menzies, R. J. 1952. *
- Ianiropsis montereyensis*
Menzies, R. J. 1952.
- Ianiropsis tridens*
Menzies, R. J. 1952. *
- Idarcturus hedgpethi*
Menzies, R. J. 1951. *
- Idotea resecata*
Richardson, H. E. 1904a.
- Idothea (Idothea) rufescens*
Menzies, R. J. 1950b.
- Idothea (Pentidotea) aculeata*
Menzies, R. J. 1950b.
- Idothea (Pentidotea) montereyensis*
Menzies, R. J. 1950b.
- Idothea (Pentidotea) resecata*
Menzies, R. J. 1950b.

ARTHROPODA (Cont.)

- Idothea (Pentidotea) richardsonae*
Menzies, R. J. 1948. *
- Idothea (Pentidotea) vosnesenskii*
Brusca, G. J. 1961, 1966.
Menzies, R. J. 1950b.
- Idothea (Pentidotea) schmitti*
Menzies, R. J. 1950b. *
- Jaeropsis dubia*
Menzies, R. J. 1951. *
- Jaeropsis dubia paucispinus*
Menzies, R. J. 1951. *
- Laophonte cornuta*
Lang, K. 1965.
- Laophontodes hedgpethi*
Lang, K. 1965. *
- Lecythorhynchus marginatus*
Cole, L. J. 1904. *
Hedgpeth, J. W. 1951.
Ziegler, A. C. 1960.
- Leptastacus constrictus*
Lang, K. 1965. *
- Leptastacus incurvatus*
Lang, K. 1965. *
- Leptoconops (Holconops) kerteszi*
Wirth, W. W. 1952.
- Ligia occidentalis*
Brusca, G. J. 1961, 1966.
- Limnoria (Limnoria) quadripunctata*
Menzies, R. J. 1957.
- Limnoria (Phycolimnoria) algarum*
Menzies, R. J. 1957. *
- Lionyx hedgpethi*
Chamberlin, R. V. 1960. *
- Liparocephalus cordicollis*
Moore, I. 1956.
- Livoneca vulgaris*
Stimpson, W. 1857b.
- Megalorchestia californica*
Stimpson, W. 1857b.
- Munna chromatocephala*
Menzies, R. J. 1948, 1952. *
- Munna halei*
Menzies, R. J. 1952. *
- Munna stephensi*
Menzies, R. J. 1952.
- Munna ubiquita*
Menzies, R. J. 1952. *
- Numphopsis spinosissima*
Hedgpeth, J. W. 1951.
- Orchestoidea benedicti*
Bousfield, E. L. 1957.
- Orchestoidea californiana*
Bousfield, E. L. 1957.
Bowers, D. E. 1964.
- Orchestoidea corniculata*
Bowers, D. E. 1964.
- Pachycheles pubescens*
Haig, J. 1960.
MacMillan, F. E. 1971, 1972b.
- Pachycheles rudis*
Haig, J. 1960.
MacMillan, F. E. 1971, 1972b.
- Pagurus granosimanus*
Hall, W. R., Jr. 1972.
- Pagurus hemphilli*
Hall, W. R., Jr. 1972.

ARTHROPODA (Cont.)

- Pagurus hirsutiusculus*
Hall, W. R., Jr. 1972.
Sullivan, F. L. 1963.
- Pagurus samuelis*
MacMillan, F. E. 1972a.
- Pancolus californiensis*
Lang, K. 1961.
- Pandalus jordani*
Rathbun, M. J. 1904.
- Pandalus platyceros*
Rathbun, M. J. 1904.
- Paradactylopodia serrata*
Lang, K. 1965. *
- Paralaophonte subterranea*
Lang, K. 1965. *
- Parammna ubiquita*
Menzies, R. J. 1948. *
- Paranthura elegans*
Menzies, R. J. 1951. *
- Pectocythera tomalensis*
Watling, L. E. 1969, 1970. *
- Pentidotea resecata*
Menzies, R. J. & R. J.
Waldzunas. 1948.
- Petrolisthes cinctipes*
Haig, J. 1960.
MacMillan, F. E. 1971.
- Petrolisthes eriomerus*
Haig, J. 1960.
MacMillan, F. E. 1971.
- Petrolisthes manimaculis*
Haig, J. 1960.
MacMillan, F. E. 1971.
- Phyllodurus abdominalis*
Lockington, W. N. 1876.
Stimpson, W. 1857b. *
- Pinnixa littoralis*
Holmes, S. J. 1894 *, 1900.
Rathbun, M. J. 1904.
- Pinnixa longipes*
Holmes, S. J. 1894, 1900.
Rathbun, M. J. 1904.
- Pinnixa tubicola*
Holmes, S. J. 1894 *, 1900.
- Pinnixa (Scleroplax) granulata*
Holmes, S. J. 1900.
- Porcellio (Porcellio) scaber*
Brusca, G. J. 1961, 1966.
- Portunion conformis*
Piltz, F. M. 1969.
- Pseudobradya pulchra*
Lang, K. 1965. *
- Pseudograpsus nudus*
Stimpson, W. 1857b.
- Pseudograpsus oregonensis*
Stimpson, W. 1857b.
- Pseudoseptomesochra typica*
Lang, K. 1965. *
- Pugettia producta*
Born, J. W. 1970.
- Pycnogonum rickettsi*
Hedgpeth, J. W. 1951.
- Pycnogonum stearnsi*
Cole, L. J. 1904.
Hedgpeth, J. W. 1951.
Ziegler, A. C. 1960.
- Rhynchothorax philopsammum*
Hedgpeth, J. W. 1951. *

ARTHROPODA (Cont.)

- Scleroplax granulata*
Rathbun, M. J. 1904.
- Scutellidium arthuri*
Lang, K. 1965.
- Scutellidium hippolytes*
Lang, K. 1965.
- Sphaeroma amplicauda*
Stimpson, W. 1857a *, 1857b.
- Sphaeroma pentadon*
Riegel, J. A. 1958, 1959b.
- Spinilebris hyalinus*
Watling, L. E. 1969, 1970. *
- Spirontocaris bispinosa*
Rathbun, M. J. 1904.
- Stenhelia (Delavalia) oblonga*
Lang, K. 1965. *
- Synapseudes intumescens*
Menzies, R. J. 1949. *
- Syncaris pacifica*
Born, J. W. 1966.
- Synidotea minutituberculata*
Menzies, R. J. 1948. *
- Tanystylum californicum*
Hedgpeth, J. W. 1951.
- Tethymia aptena*
Wirth, W. W. 1949.
- Thalassotrechus nigripennis*
Van Dyke, E. C. 1918.
- Tigriopus californicus*
Patterson, R. E. 1968.
- Tubicola longipes*
Lockington, W. N. 1876. *

Upogebia pugettensis
Holmes, S. J. 1900.

Zaus biunguiferus
Lang, K. 1965. *

ECHINODERMATA

Asterias gigantea
Stimpson, W. 1857b. *

Asterias helianthoides
Stimpson, W. 1857b.

Asterias ochracea
Stimpson, W. 1857b.

Asteriscus miniatus
Stimpson, W. 1857b.

Cucumaria curata
Smith, E. H. 1959, 1962.

Holothuria californica
Stimpson, W. 1857b. *

Patiria miniata
Nimitz, Sr. M. Aquinas, O.P.
1971.

Pisaster brevispinus
Mayer, N. W. 1963.

Pisaster ochraceus
Mayer, N. W. 1963.

TUNICATA AND CEPHALOCHORDATA

General
Haugsten, R. C. 1958.

Branchiostoma californiense
Narchi, W. & L. Watling. 1968.

Distaplia smithi
Abbott, D. P. & W. B. Trason.
1968.

AGNATHA AND PISCES

General

- Bane, G. W. & A. W. Bane.
1971.
- Bolin, R. L. 1944.
- Johnson, W. F. 1949.
- Miller, D. J. & D. Gotshall.
1965.
- Nahhas, F. M. 1960.
- Park, J. T. 1937b.
- Rodella, T. D. & F. M. Nahhas.
1969.
- Amphistichus argenteus*
Tarp, F. H. 1952.
- Artedius notospilotus*
Girard, C. 1857.
- Atherinopsis californiensis*
Girard, C. 1857.
- Catostomus occidentalis*
Snyder, J. O. 1916.
- Caularchus meandricus*
Noble, A. E. & J. T. Park.
1937.
- Cebidichthys violaceus*
Johnson, W. F. & J. E. Copsey.
1953.
- Citharichthys sordidus*
Park, J. T. 1936.
- Clupea pallasii*
Follett, W. I. 1968.
- Miller, D. J. & J. Schmidtke.
1956.
- Scofield, N. B. 1918.
- Scofield, W. L. 1952.
- Cottus asper*
Snyder, J. O. 1916.
- Cottus gulosus*
Snyder, J. O. 1916.
- Cymatogaster aggregata*
Tarp, F. H. 1952.
- Dasyatis dipterura*
Graves, E. M. 1935.
- Embiotoca jacksoni*
Tarp, F. H. 1952.
- Enophrys bison*
Park, J. T. 1936.
- Gasterosteus cataphractus*
Snyder, J. O. 1916.
- Gobius newberrii*
Girard, C. 1857.
- Hesperoleucus venustus*
Snyder, J. O. 1916.
- Holconotus rhodoterus*
Park, J. T. 1937a.
- Hyperprosopon anale*
Isaacson, P. A. & R. L. Poole.
1965.
- Hyperprosopon (Hyperprosopon) ellipticum*
Tarp, F. H. 1952.
- Leptocottus armatus armatus*
Jones, A. C. 1962.
- Medialuna californiensis*
Follett, W. I., D. Gotshall &
J. G. Smith. 1960.
- Merluccius productus*
Follett, W. I. 1968.
- Micrometrus (Brachyistius) frenatus*
Tarp, F. H. 1952.
- Micrometrus (Micrometrus) aurora*
Tarp, F. H. 1952.
- Micrometrus (Micrometrus) minimus*
Tarp, F. H. 1952.
- Myliobatis californica*
Follett, W. I. 1968.
- Ridge, R. M. 1963.

AGNATHA AND PISCES (Cont.)

Notorynchus maculatus
Follett, W. I. 1968.

Oligocottus maculosus
Girard, C. 1857.

Phanerodon atripes
Smith, J. G. 1964.

Phanerodon furcatus
Banerjee, T. 1966, 1971.
Tarp, F. H. 1952.

Platichthys stellatus
Follett, W. I. 1968.
Mizelle, J. D. & D. C.
Kritsky. 1967.

Pleuronichthys guttulatus
Girard, C. 1857.

Rhinoptera vespertilio
Girard, C. 1857.

Roccus saxatilis
Plant, R. 1969.

Salmo irideus
Snyder, J. O. 1916.

Sardinops sagax
Follett, W. I. 1968.

Sebastes mystinus
Gotshall, D. W., J. G. Smith
& A. Holbert. 1965.

AVES

General
Grinnell, J. & A. H. Miller.
1944.
Recher, H. F. 1966.

Branta bernicla nigricans
Moffitt, J. 1931, 1932, 1933,
1934, 1935, 1936, 1937,
1938, 1939, 1940, 1941,
1943.

Branta nigricans
Leopold, A. S. & R. H. Smith.
1953.

Phoenicopterus ruber
Wheeler, R. J. 1970.

CYANOPHYTA

General
Setchell, W. A. & N. L.
Gardner. 1919.

Lyngbya willei
Gardner, N. L. 1918.

CHLOROPHYTA

General
Dawson, E. Y. 1961.
Hollenberg, G. J. & I. A.
Abbott. 1966.
Setchell, W. A. & N. L.
Gardner. 1920a.
Smith, G. M. 1944.
Sparling, S. R. 1971.

Blidingia minima
Norris, J. N. 1971.

Codium fragile
Silva, P. C. 1951.

Codium setchellii
Silva, P. C. 1951.

Gayella constricta
Gardner, N. L. 1917. *

Prasiola meridionalis
Setchell, W. A. & N. L.
Gardner. 1920b. *

PHAEOPHYTA

General
Dawson, E. Y. 1961.
Hollenberg, G. J. & I. A.
Abbott. 1966.
Setchell, W. A. & N. L.
Gardner. 1925.

PHAEOPHYTA (Cont.)

Smith, G. M. 1944.
Sparling, S. R. 1971.

Compsonema fructosum
Setchell, W. A. & N. L.
Gardner. 1922. *

Compsonema streblonematoides
Setchell, W. A. & N. L.
Gardner. 1922. *

Ectocarpus eramosus
Setchell, W. A. & N. L.
Gardner. 1922. *

Hecatonema clavatum
Setchell, W. A. & N. L.
Gardner. 1922. *

Pilayella gardneri
Wynne, M. J. 1969.

Scytosiphon dotyi
Wynne, M. J. 1969.

RHODOPHYTA

General

Dawson, E. Y. 1961.
Hollenberg, G. J. & I. A.
Abbott. 1966.
Smith, G. M. 1944.
Sparling, S. R. 1971.

Antithamnion uncinatum
Gardner, N. L. 1927. *

Bossiella corymbifera
Silva, P. C. 1957.

Calliarthron tuberculatum
Johansen, H. W. 1966.

Constantinea simplex
Setchell, W. A. 1901.

Corallina gracilis f. *densa*
Collins, F. S. 1906.

Gracilariophila oryzoides
Dawson, E. Y. 1949.

Leptocladia conferta
Setchell, W. A. 1912. *

Lithophyllum tumidulum f. *dispar*
Nichols, M. B. 1909.

Lithothamnion californicum
Mason, L. R. 1953.

Lithothamnion crassiusculum
Mason, L. R. 1953.

Lithothamnion marginatum
Nichols, M. B. 1909.

Lithothamnion pacificum
Mason, L. R. 1953.

Lithothamnion phymatodeum
Mason, L. R. 1953.

Lobocolax deformans
Chiang, Y. M. 1970.

Melobesia marginata
Mason, L. R. 1953.

Melobesia mediocris
Mason, L. R. 1953.

Nitophyllum multilobum
Nott, C. P. 1900.

Nitophyllum ruprechtianum
Nott, C. P. 1900.

Polyporolithon conchatum
Mason, L. R. 1953.

Polyporolithon parvum
Mason, L. R. 1953.

Polyporolithon recinatum
Mason, L. R. 1953.

CHRYSOPHYTA

General

Dawson, E. Y. 1961.

OTHER PLANTS

General

- Howell, J. T. 1949, 1970.
Mason, H. L. 1932, 1934.
Munz, P. A. 1964, 1968.
Munz, P. A. & D. D. Keck.
1959.

ADDENDA:

BIBLIOGRAPHY OF MARINE RESEARCH
OF TOMALES AND BODEGA BAYS, CALIFORNIA

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INTRODUCTION

This addenda is an attempt to update the major bibliographic compilation for Tomales and Bodega Bays by Jean F. Munroe which was completed in 1972.

Most references for this update were obtained by notation of appropriate literature as it appeared in the years since 1972. A few references missed in the 1972 compilation have also been added. Numerous references were obtained in this way simply by random search of current periodicals. The administration of the Bodega Marine Laboratory was most helpful in obtaining titles of papers and theses arising from their laboratory. Dr. Thomas Ronan provided a number of important geological titles.

No attempt has been made to index the literature as was done in the first part. Instead, annotations have been added to certain papers to assist in evaluating content where titles do not seem adequate.

We expect that further references will be found which have still been missed. Such information should be forwarded to J. A. Blake at the Pacific Marine Station.

ADDENDA TO THE BIBLIOGRAPHY

- Ackermann, John M. 1971. Demography of the sea mussel, *Mytilus californianus*. Ph. D. Dissertation. Univ. of Calif., Berkeley. 200 pp.
- Adey, Walter H. and H. William Johansen. 1972. Morphology and taxonomy of Corallinaceae with special reference to *Clathromorphum*, *Mesophyllum*, and *Neopolyporolithon* gen. nov. (Rodophyceae, Cryptonemiales). PHYCOLOGIA. 11(2): 159-180.
- Anderson, Gregory L. 1975. The Effects of Intertidal Height and the Parasitic Crustacean *Fabia subquadrata* Dana on the Nutrition and Reproductive Capacity of the California Sea Mussel *Mytilus californianus* Conrad. THE VELIGER 17(3): 299-306.
- Barbour, Michael. 1970. The flora and plant communities of Bodega Head, California. MADROÑO 29(6): 289-313.
- Barbour, Michael G. 1970. Germination and early growth of the strand plant *Cakile maritima*. BULL. TORREY BOT. CLUB 97(1): 13-22.
- Barbour, Michael G. 1970. Seedling ecology of *Cakile maritima* along the California coast. BULL. TORREY BOT. CLUB 97(1): 280-289.
- Barbour, Michael G. 1972. Additions and corrections to the flora of Bodega Head, California. MADROÑO 21(6): 446-448.
- Barbour, Michael G. and Craig B. Davis. 1970. Salt tolerance of five California salt marsh plants. AMER. MIDL. NAT. 84(1): 262-265.
- Barbour, M. G., R. B. Craig, F. R. Drysdale and M. T. Ghiselin. 1973. Coastal Ecology: Bodega Head. University of California Press. 338p.
- Barker, Richard M. 1970. Constituency and origins of cyclic growth layers in pelecypod shells. Ph. D. Dissertation. Univ. of Calif., Berkeley. 265p.
- Barrett, D. and G. M. Angelo. 1969. Maternal characteristics of hatching enzymes in hybrid sea urchin embryos. EXP. CELL RES. 57: 159-166.
- Bartlett, Bruce Robert. 1972. Reproductive ecology of the California sea mussel *Mytilus californianus* Conrad. M. S. Thesis. Univ. of Pacific. 71p.
- Bauer, F. K. 1952. Marine terraces between Salmon Creek and Stewarts Point, Sonoma County, California. M. A. Thesis. Dept. Geog. Univ. of Calif. Berkeley.
- Benson, Peter H. and Dustin D. Chivers. 1960. A pycnogonid infestation of *Mytilus californianus*. THE VELIGER 3: 16-18. [Duxbury Reef; Tomales Point]

- Bertsch, Hans and Jerilyn Hirshberg. 1973. Notes on the veliger of the opisthobranch *Phyllaplysia taylori*. THE TABULATA 6(1): 3-5.
- Blake, James A. 1975. The larval development of Polychaeta from the northern California coast. I. *Cirriiformia spirabrancha* (Family Cirratulidae). TRANS. AMER. MICROSC. SOC. 94: 179-188. Also Contribution No. 39 from the Pacific Marine Station, University of the Pacific.
- Blake, James A. 1975. The larval development of Polychaeta from the northern California coast. II. *Nothria elegans* (Family Onuphidae). OPHELIA 13: 43-61. Also Contribution No. 42 from the Pacific Marine Station, University of the Pacific.
- Blake, James A. 1975. The larval development of Polychaeta from the northern California coast. III. Eighteen species of Errantia. OPHELIA 14 (In Press). Also Contribution No. 45 from the Pacific Marine Station, University of the Pacific.
- Blake, James A. and Jerry D. Kudenov. 1974. A new species of *Clymenella* (Polychaeta: Maldanidae) from Tomales Bay, California. BULL. SO. CALIF. ACAD. SCI. 73: 48-50. Also Contribution No. 33 from the Pacific Marine Station, University of the Pacific.
- Blake, James A. and Keith H. Woodwick. 1975. Reproduction and larval development of *Pseudopolydora paucibranchiata* (Okuda) and *Pseudopolydora kempfi* (Southern) (Polychaeta: Spionidae). BIOL. BULL. 149 (In Press). Also Contribution No. 46 from the Pacific Marine Station, University of the Pacific.
- Bodle, J. E. 1969. Pleopod and penial structure in the isopod family Sphaeromatidae with special reference to its taxonomy. M. S. Thesis. Univ. Calif. Davis. 71p.
- Bonar, Dale. 1972. Feeding and tube-construction in *Chone mollis* Bush (Polychaeta: Sabellidae). JOUR. EXP. MAR. BIOL. ECOL. 9: 1-18.
- Born, John. 1970. Changes in blood volume and permeability associated with molting in a marine crab *Pugettia producta*. Ph. D. Dissertation. Univ. of Calif., Berkeley. 101p.
- Boyd, Milton J. 1972. Fouling community structure and development in Bodega Harbor, California. Ph. D. Dissertation. Univ. of Calif., Davis. 191p.
- Brewer, Beth A. 1975. Epizoic Limpets on the Black Turban Snail, *Tegula funebris* (A. Adams, 1855). THE VELIGER 17(3): 307-310.
- Bridges, Cecilia Blackwell. 1973. Larval development and life history of *Phyllaplysia taylori* Dall (Opisthobranchiata: Anaspidea). M. S. Thesis. Univ. of Pacific. 87p.

- Bridges, Cecilia. 1975. Larval development of *Phyllaplysia taylori* Dall (Opisthobranchiata: Anaspidea). *OPHELIA* 14 (In Press). Also Contribution No. 44 from the Pacific Marine Station, University of the Pacific.
- Bromley, L. A. 1969. Saline water conversion research. 1969 Progress Report, U. C. Sea Water Conversion Laboratory. 29-38.
- Carlton, James T., Armand Kuris and Michael S. Brody. 1974. Geographic Displacement as a Non-Range-Extension of *Tegula gallina* (Forbes). *THE VELIGER* 16(4): 426-427.
- Chang, William Yii-Been. 1973. Models of primary productivity in the oceans. M. S. Thesis. Univ. of Pacific. 84p.
- Cherry, John. 1966. Sand movement along equilibrium beaches north of San Francisco, California. *JOUR. SED. PET.* 36: 341-357.
- Chow, Victor. 1975. The importance of size in the intertidal distribution of *Littorina scutulata* (Gastropoda: Prosobranchia). *THE VELIGER* 18(1): 69-78.
- Coan, Eugene V. 1973. The northwest American Psammobiidae. *THE VELIGER* 16: 40-67. [*Nuttallia* (= *Sanguinolaria*) *nuttallii*]
- Crawford, W. A. 1965. Studies in Franciscan metamorphics near Jenner, California. Ph. D. Dissertation. Univ. of California, Berkeley.
- Dickerson, Roy E. 1922. Tertiary and quaternary history of the Petaluma, Point Reyes and Santa Rosa quadrangles. *PROC. CALIF. ACAD. SCI.* (4) 11(19): 527-601; 17-44.
- Drysdale, Frank. 1971. Studies in the biology of *Armeria maritima* (Mill.) Willd. with emphasis upon the variety *californica* (Boiss.) Lawr. as it occurs at Bodega Head, Sonoma County, CA. Ph. D. Dissertation. Univ. of Calif., Davis. 141p.
- Dunn, Daphne F. 1972. Natural history of the sea anemone *Epiactis prolifera* Verrill, 1869, with special reference to its reproductive biology. Ph. D. Dissertation. Univ. of Calif., Berkeley. 187p.
- Dunn, Daphne Fautin. 1975. Gynodioecy in an animal. *NATURE* 253(5492): 528-529.
- Erskian, Malcolm G. 1971. Ecology of the benthic foraminifera, Russian River, Sonoma County. M. S. Thesis. Univ. of Calif., Davis. 57p.

- Fauchald, Kristian and Bruce W. Belman. 1972. A notophycid polychaete from California. BULL. SO. CALIF. ACAD. SCI. 71: 107-108. [*Phyllodocella bodegae* is actually a species of *Micronereis*]
- Gaffney, Patrick M. 1973. Setal variation in *Halosydna brevisetosa*, a polynoid polychaete. SYSTEMATIC ZOOLOGY. 22: 171-175.
- Ghiselin, M. T., E. deMan and J. R. Wourms. 1975. An anomalous style in the gut of *Megatebennus bimaculatus*, a carnivorous prosobranch gastropod. THE VELIGER 18(1): 41-43, 1 pl.
- Gosliner, Terrence M. and Gary C. Williams. 1973. Additions to the Opisthobranch mollusk fauna of Marin County, California, with notes on their natural history. THE VELIGER 15: 352-354.
- Gosliner, Terrence M. and Gary C. Williams. 1973. On the occurrence of *Polycera zosterae* O'Donoghue, 1924 in the Bodega Bay region, California, with notes on its natural history. THE VELIGER 15: 252-253.
- Gosliner, Terrence and Gary C. Williams. 1975. A genus of dorid nudibranch previously unrecorded from the Pacific coast of the Americas, with the description of a new species. THE VELIGER 17: 396-405. [*Hallaxa chani* n. sp. from Duxbury Reef]
- Hand, Cadet. 1967. Final Report: A marine ecological survey of the Bodega Head region. Project 96 of AEC Master Contract AT(11-1)-34, Report No. UCB 34P-96-1. 112p.
- Hand, Cadet. 1971. The intertidal animals of the Bodega Head Region. In Geologic Guide to the Northern California Coast Ranges: Pt. Reyes Region, California. PUBL. GEOL. SOC. SACRAMENTO. 101-107.
- Hartman, Olga. 1959. Capitellidae and Nereidae (Marine Annelids) from the Gulf side of Florida with a review of freshwater Nereidae. BULL. MAR. SCI. GULF & CARIBB. 9: 153-168. [*Lycastopsis pontica neapolitana* La Greca, 1950, recorded from Tomales Bay, coll. by R. Menzies--actually material came from Bodega Harbor, according to the original station material of L. O. Miles--collecting locality in Campbell Cove has been obliterated by P. G. & E.]
- Hedgpeth, Joel W. 1968. The atyid shrimp of the genus *Syncaris* in California. INT. REVUE GES. HYDROBIOL. 53(4): 511-524.
- Hirano, Tetsuya, Donald W. Johnson and Howard A. Bern. 1971. Control of water movement in flounder urinary bladder by prolactin. NATURE 230(5294): 469-471.

- Hoestland, Henri. 1969. Sur un Sphérome nouveau de la côte pacifique américaine, *Gnorimosphaeroma rayi* n. sp. (Isopode Flabellifere). C. R. ACAD. SCI, PARIS. 268: 325-327. [Tomaes Bay]
- Hoestland, Henri. 1973. Étude systématique de trois espèces Pacifiques Nort-Américaines du genre *Gnorimosphaeroma* Menzies (Isopodes Flabelliferes). I. Considérations générales et systématique. ARCH. ZOOL. EXP. GEN. 114: 349-395. [*G. rayi*, Tomaes Bay]
- Holleman, John J. 1972. Observations on growth, feeding, reproduction and development in the opisthobranch, *Fiona pinnata* (Eschscholtz). THE VELIGER 15(2): 142-146.
- Hope, W. Duane. 1967. Free-living marine nematodes of the genera *Pseudocella* Filipjev, 1927, *Thoracostoma* Marion, 1870, and *Deontostoma* Filipjev, 1916 (Nematoda: Leptosomatidae) from the west coast of North America. TRANS. AMER. MICROSC. SOC. 86: 307-334. [Includes species from Dillon Beach: *P. wieseri* n. sp.; *P. panaensis* (Allegen, 1947); *T. trachygaster* n. sp.; *D. californicum* Steiner & Albin, 1933; *D. washingtonense* (Murphy, 1965)]
- Iverson, Ernest W. 1974. Range extensions for some California marine isopod crustaceans. BULL. SO. CALIF. ACAD. SCI. 73: 164-169. [Contains distribution records on 9 species within our area]
- Jillson, David A. 1973. The predatory behavior of *Pisaster ochraceus*. M. S. Thesis. Univ. of Pacific. 121p.
- Johansen, H. William. 1966. A new member of the Corallinaceae: *Chiharaca bodegensis* gen. et sp. nov. PHYCOLOGIA 6(1): 51-61.
- Johnson, Donald W., Tetsuya Hirano, Howard A. Bern and Frank P. Conte. 1972. Hormonal control of water and sodium movements in the urinary bladder of the Starry Flounder, *Platichthys stellatus*. GEN. COMP. ENDOCRIN. 19(1): 115-128.
- Johnson, Donald W., Tetsuya Hirano, Martin Sage, Roy C. Foster and Howard A. Bern. 1974. Time Course of Response of Starry Flounder (*Platichthys stellatus*) Urinary Bladder to Prolactin and to Salinity Transfer. GEN. COMP. ENDOCRIN. 24: 373-380.
- Johnson, Herbert P. 1897. A preliminary account of the marine annelids of the Pacific Coast, with descriptions of new species. PROC. CALIF. ACAD. SCI. series 3, vol. 1(5): 153-198, pls. 5-10. [Contains some collections from Bodega Bay; Bolinas]
- Koenig, J. B. 1963. The geological setting of Bodega Head. Mineral Info. Service, CALIF. DIV. MINES & GEOL. 16: 1-10.

- Kudenov, Jerry D. 1975. The occurrence of the polynoid *Harmothoe* cf. *lunulata* from the tube of the maldanid *Ariotheella rubrocincta* (Polychaeta). BULL. SO. CALIF. ACAD. SCI. 75: 42-43. Also Contribution No. 34 from the Pacific Marine Station, University of the Pacific.
- Kuris, Armand. 1971. Population interactions between a crab and two symbionts. Ph. D. Dissertation. Univ. of Calif., Berkeley. 477p.
- Lee, Welton L. and Barbara M. Gilchrist. 1972. Pigmentation, color change and the ecology of the marine isopod *Idotea ressecata* (Stimpson). JOUR. EXPT. MAR. BIOL. ECOL. 10: 1-27.
- Lindberg, David R., Michael G. Kellogg and Wayne E. Hughes. 1975. Evidence of light reception through the shell of *Notoacmea persona* (Rathke, 1833) (Archaeogastropoda: Acmaeidae). THE VELIGER 17: 383-386.
- Lipps, Jere H. and Malcolm G. Erskian. 1969. Distributional patterns of estuarine microfaunas, Northern California. GEOL. SOC. OF AMER. ABSTRACTS PROG. 1969. Part 3. Cordilleran Sect. and the Paleontological Soc., Pac. Coast Sect., p. 38. (Abstract only)
- Lipps, Jere H. and Thomas E. Ronan, Jr. 1974. Predation on Foraminifera by the Polychaete Worm, *Diopatra*. JOUR. FORAMIN. RES. 4(3): 139-143, July.
- Loose, Timothy L. 1969. Ecology of intertidal foraminifera, Bodega Head, Sonoma County, California. GEOL. SOC. AMER. ABSTRACTS PROG. 1969. Part 3. Cordilleran Sect. and the Paleontological Soc., Pac. Coast Sect., p. 38.
- Lyons, Alane and Tom M. Spight. 1973. Diversity of feeding mechanisms among embryos of Pacific northwest *Thais*. THE VELIGER 16: 189-199. [See note added in proof concerning Houston's identification of *T. canaliculata* in Tomales Bay]
- Mayes, Margaret and Colin O. Hermans. 1973. Fine structure of the eye of the prosobranch mollusk *Littorina scutulata*. THE VELIGER 16: 166-168, 5 figs.
- McFarland, Ian Charles. 1971. Sand variations of a beach and offshore area near Bodega Head, California. M. S. Thesis. Univ. of Calif., Davis.
- Menzies, Robert J. and Milton A. Miller. 1972. Systematics and zoogeography of the genus *Synidotea* (Crustacea: Isopoda) with an account of Californian species. SMITHS. CONTRIBS. ZOOLOG. 102: 1-33. [*Synidotea bicuspidata* (Owen, 1839), coll. Bodega Bay; *S. ritteri* Richardson, 1904, coll. along Sonoma Co. coast; *S. pettiboneae* Hatch, 1947, coll. along Sonoma Co. coast, Dillon Beach; *S. berolzheimeri* n. sp., Dillon Beach, Marin Coast, Sonoma Coast]

- Miller, Richard L. 1970. Sperm migration prior to fertilization in the hydroid *Gonothyrea loveni*. JOUR. EXP. ZOOL. 175(4): 493-503.
- Miller, Walter, Richard S. Nishoika and Howard A. Bern. 1973. The "Justa-ganglionic" Tissue and the Brain of the Abalone *Haliotis rufescens*. THE VELIGER 16(2): 125-129.
- Minard, O. R. Jr. 1964. The erosional and depositional history of a portion of the coast of northern California. UNIV. CALIF. ENGIN. LAB. BERKELEY HEL-2-10.
- Minard, C. R. Jr. 1971. Quaternary beaches between the Russian River and Drakes Bay, California. UNIV. CALIF. ENGIN. LAB. HEL-2-35.
- Murakami, Satoru and Lester Packer. 1969. Light-induced changes in the conformation and configuration of the thylakoid membrane of *Ulva* and *Porphyra* chloroplasts in vivo. PLANT PHYSIO. 45: 289-299.
- Murray, Talbot E. Jr. 1973. Development in *Lacuna* and *Littorina* (Mesogastropoda: Littorinacea) from California with emphasis on egg masses, egg capsules and larvae. M. S. Thesis. Univ. of Pacific. 69p.
- Obrebski, Steven. 1975. Parasite reproductive strategy and evolution of parasite castration. SCIENCE 188(4195): 1314-1316. Also Contribution No. 48 from the Pacific Marine Station, University of the Pacific.
- Parke, Steven Rhoads. 1973. Biological aspects of speciation in three sympatric *Euzonus* species at Dillon Beach, California (Polychaeta: Opheliidae). M. S. Thesis. Univ. of Pacific. 69p.
- Pettibone, Marion H. 1971. Descriptions of *Sthenelais fusca* Johnson 1897 and *S. berkeleyi* n. sp. (Polychaeta: Sigalionidae) from the eastern Pacific. JOUR. FISH. RES. BOARD CANADA 28: 1393-1401. [*Sthenelais fusca* recorded from Dillon Beach]
- Powell, Rex R. 1971. The functional morphology of the foreguts of the Thallassinid Crustaceans, *Callianassa californiensis* and *Upogebia pugettensis*. Ph. D. Dissertation. Univ. of Calif., Berkeley. 131p.
- Rotramel, G. 1972. *Ias californica* and *Sphaeroma guoyanum*, two symbiotic isopods introduced to California (Isopoda, Janiridae and Sphaeromatidae). CRUSTACEANA, Suppl. III: 193-197.
- Rutherford, J. C. 1973. Reproduction, growth and mortality of the holothurian *Cucumaria pseudocurata*. MAR. BIOL. 22: 167-176.
- Sage, Martin. 1971. Control of prolactin release and its role in color change in the teleost *Gillichthys mirabilis*. JOUR. EXP. ZOOL. 173(1): 121-127.

- Shaw, Evelyn. 1971. Evidence of sexual maturation in young adult Shiner Perch, *Cymatogaster aggregata* Gibbons (Perciformes, Embiotocidae). AMER. MUS. NOVIT. No. 2479. 10p.
- Shaw, E., J. Allen and R. Stone. 1974. Notes on collections of shiner perch, *Cymatogaster aggregata*, in Bodega Harbor, California. CALIF. FISH & GAME 60(1): 15-22.
- Simon, Kenneth A. 1974. Effect of thermal stress on larvae of *Patiria miniata* (Brandt) including studies on induction of spawning, development and larval tagging. M. S. Thesis. Univ. of Pacific. 71p.
- Simon, K. A. 1974. Vital staining of *Patiria miniata* larvae. MAR. BIOL. 25: 335-337. Also Contribution No. 38 from Pacific Marine Station, University of the Pacific.
- Smith, Allyn G. 1974. The deep-water chiton *Placiphorella pacifica* Berry. THE VELIGER 17: 159-161. [Cordell Bank, off Marin County, 366m]
- Smith, Ralph I. and James T. Carlton. 1975. Light's Manual, Intertidal Invertebrates of the central California Coast. 3rd Edition. Univ. Calif. Press, Berkeley. 716p. [The basic guide to identification of marine invertebrates from Monterey Bay to Bodega Bay. The book should be very useful from Morro Bay to the Oregon Border]
- Sutherland, John P. 1969. Ecology of high and low populations of the limpet, *Acmaea scabra* (Gould). Ph. D. Dissertation. Univ. of Calif., Berkeley. 115p.
- Sutherland, John P. 1972. Energetics of high and low populations of the limpet, *Acmaea scabra* (Gould). ECOLOGY 53(3): 430-437.
- Swanson, Ralph Gene. 1973. Some aspects of mercury accumulation by the purple shore crab *Hemigrapsus nudus* Dana (Crustacea: Decapoda). M. S. Thesis. Univ. of Pacific. 141p.
- Swinehart, J. H., W. R. Biggs, D. J. Halko and N. C. Schroeder. 1974. The vanadium and other selected metal contents of some ascidians. BIOL. BULL. 146(2): 302-312.
- Temnikow, Nicolas K. 1974. Epicaridium larvae in *Mytilus californianus*. THE VELIGER 16(4): 413-414.
- Thompson, Rogene K. 1972. Functional morphology of the hind-gut of *Upogebia pugettensis* (Crustacea: Thalassinidea) and its role in burrow construction. Ph. D. Dissertation. Univ. of Calif., Berkeley. 202p.

- Thum, Alan B. 1974. Reproductive ecology of the polyclad turbellarian *Notoplana acticola* (Boone, 1929) on the central California coast. In Riser, Nathan W. and M. Patricia Morse, Eds., Biology of the Turbellaria [Libbie Hyman Memorial Volume]. McGraw-Hill, pp. 431-445.
- Todd, Thomas W. and Robert Sommer. 1967. Effects of environment on the learning process: Geology S119, a case study. JOUR. GEOL. EDUC. 15(4): 145-148.
- van der Laan, Kenneth., 1971. The population ecology of the terrestrial snail *Helminthoglypta arrosa*. Ph. D. Dissertation. Univ. of Calif., Berkeley. 235p.
- van der Laan, Kenneth L. 1975. Aestivation in the Land Snail *Helminthoglypta arrosa* (Binney) (Pulmonata: Helicidae). THE VELIGER 17(4): 360-368.
- van der Laan, Kenneth L. 1975. Feeding preferences in a population of the land snail *Helminthoglypta arrosa* (Binney) (Pulmonata: Helicidae). THE VELIGER 17(4): 354-359.
- Warner, John Erickson. 1974. Fitness theory and aspects of behavioral ecology in two sympatric *Pagurus* species at Dillon Beach, California (Decapoda: Anomura). M. S. Thesis. Univ. of Pacific. 72p.
- Waters, Virginia L. 1973. Food preference of the nudibranch *Aeolidia papillosa*, and the effect of the defenses of the prey on predation. THE VELIGER 15: 174-192.
- Watling, Leslie E. 1972. A new species of *Acetabulastoma* Shornikov from central California with a review of the genus. PROC. BIOL. SOC. WASH. 85: 481-488. [Low intertidal coralline zone, Tomales Point]
- West, John A. 1969. The life histories of *Rhodochorton purpureum* and *R. tenue* in culture. JOUR. PHYCOL. 5(1): 12-21.
- West, John A. 1970. The life history of *Rhodochorton conrescens* in culture. BRIT. PHYCOL. JOUR. 5(2): 179-186.
- Whitlatch, Robert Bruce. 1972. The ecological life history and feeding biology of *Batillaria zonalis* (Bruguiere). M. S. Thesis. Univ. of Pacific. 157p.
- Whitlatch, Robert B. 1974. Studies on the population ecology of the salt marsh gastropod *Batillaria zonalis*. THE VELIGER 17: 47-55.
- Wilkins, David Graham. 1973. Dropwise condensation phenomena. Ph. D. Dissertation. Univ. of Calif., Berkeley. 239p.

- Williams, Gary C. 1971. New record of a color variation in *Spurella oliviae*. THE VELIGER 14: 215-216. [Duxbury Reef]
- Williams, Gary C. and Terrence M. Gosliner. 1973. Range extensions for four saccoglossan opisthobranchs from the coasts of California and the Gulf of California. THE VELIGER 16: 112-116. [*Hermaea vancouverensis* O'Donoghue, 1924; *Placida dendritica* Calder & Hancock, 1843 found in Sonoma County]
- Wolcott, Donna L. R. 1972. The effect of LiCl and KCl on protein and nucleic acid synthesis in the sea urchin embryo. Ph. D. Dissertation. Univ. of Calif., Berkeley. 127p.
- Wolcott, Thomas G. 1971. Physiological ecology and habitat partitioning in Acmaeid limpets. Ph. D. Dissertation. Univ. of Calif., Berkeley. 126p.
- Wolcott, Thomas G. 1973. Physiological ecology and intertidal zonation in Limpets (*Acmaea*): A critical look at "limiting factors". BIOL. BULL. 145(2): 389-422.

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