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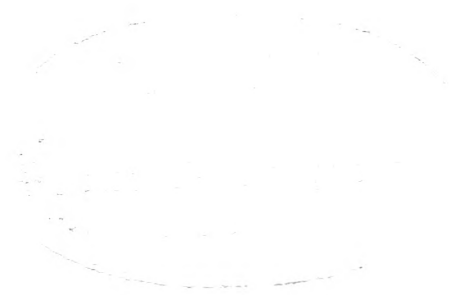
# Indexed Bibliography of the Bay Scallop (*Argopecten irradians*)

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## PREFACE

The impetus for this bibliography came from the need to provide Northeast Fisheries Center scientists with a compilation of the literature on the bay scallop, Argopecten irradians. As research on the bibliography progressed however, the original impetus became supplemented by the needs of independent researchers, students, and fishery resource managers who work with this species.

Research began with a review and update of existing bibliographies on Argopecten irradians: Kopinski's "Partially Annotated Bibliography of Commercially Exploited Scallops (Pectinidae, Raffinesque, 1815)" (1978), and Tabarini's "A Partial Bibliography of the Bay Scallop, Argopecten irradians, 1960-1980" (1982). We augmented this core bibliography with entries gleaned from major scientific abstracts, indexes, and pertinent DIALOG<sup>1</sup> databases. Review of the principal fishery journals and of marine science accessions lists resulted in additional entries.

Once the identification phase was complete, we located hard copies of each citation by searching our on-site collection, and by requesting copies not located on-site from other libraries and from the authors themselves. All of the articles that we obtained were examined for pertinency, bibliographic accuracy, and supplementary citations. A small percentage of the articles--mostly reports--could not be obtained. These are noted in the bibliography by an asterisk. Because these articles were unavailable, they have not been reviewed for either bibliographic accuracy or pertinency; indexing, which was done on the basis of title only, may thus be inaccurate or incomplete for the unobtained articles.

Both scientific and "gray" literature are included in the bibliography, with the only restriction being that the items had to be published--a restriction that forced us to disallow some gray literature citations. As an aid to researchers and librarians, all citations are literatum; no attempt was made to correct misspellings or inaccuracies.

There are two indices: author and subject. The author index considers authorship to be the person(s) or corporate body responsible for the intellectual content of the work. It includes personal authors, editors, compilers, sponsoring agencies, and the like. The subject index serves as a general index, with a limited number of access points. The author index begins on page 55; the subject index begins on page 73.

We thank the many librarians who willingly helped in our search, especially those at the Virginia Institute of Marine Science, the National Sea Grant Depository, and the NMFS's Northwest and Alaska Fisheries Center. We also thank Michael Castagna of the Virginia Institute of Marine Science and Ken Kelley of the Nantucket Shellfish and Marine Department who reviewed the early drafts and apprised us of some articles that we had missed in our search. Appreciation is also extended to Rita Riccio and Jon Gibson who edited the manuscript, and to Valerie Van Etten who typed it.

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<sup>1</sup> Use of trade names does not imply endorsement.



## BIBLIOGRAPHY

1. Abbott, R.T. 1954. American seashells. Princeton, NJ: D. van Nostrand Co., Inc.
- 2.\* Abbott, R.T. 1968. Seashells of North America. New York: Golden Press.
3. Abbott, R.T. 1974. American seashells: the marine Mollusca of the Atlantic and Pacific coasts of North America. 2d. ed. New York: Van Nostrand Reinhold Co.
4. Abreau, K. 1977. 1977 scallop survey, Pleasant Bay. Chatham, MA: Shellfish Dept. 4 pp.
5. Adams, C.B. 1839. Observations on some species of the marine shells of Massachusetts, with descriptions of five new species. Boston Journal of Natural History 2: 262-289.
6. Allee, W.C. 1923. Studies in marine ecology: I. The distribution of common littoral invertebrates of the Woods Hole region. Biological Bulletin (Woods Hole) 44(1): 167-191.
7. Anderson, A.W. and C.E. Peterson. 1952. Fishery statistics of the United States, 1949. Washington, DC: U.S. Dept. Interior Statistical Digest No. 25. 298 pp.
8. Anderson, A.W. and C.E. Peterson. 1953. Fishery statistics of the United States, 1950. Washington, DC: U.S. Dept. Interior Statistical Digest No. 27. 492 pp.
9. Anderson, A.W. and C.E. Peterson. 1954. Fishery statistics of the United States, 1951. Washington, DC: U.S. Dept. Interior Statistical Digest No. 30. 341 pp.
10. Anderson, A.W. and E.A. Power. 1946. Fishery statistics of the United States, 1942. Washington, DC: U.S. Dept. Interior Statistical Digest No. 11. 248 pp.
11. Anderson, A.W. and E.A. Power. 1947. Fishery statistics of the United States, 1943. Washington, DC: U.S. Dept. Interior Statistical Digest No. 14. 241 pp.
12. Anderson, A.W. and E.A. Power. 1948. Fishery statistics of the United States, 1944. Washington, DC: U.S. Dept. Interior Statistical Digest No. 16. 284 pp.
13. Anderson, A.W. and E.A. Power. 1949. Fishery statistics of the United States, 1945. Washington, DC: U.S. Dept. Interior Statistical Digest No. 18. 372 pp.
14. Anderson, A.W. and E.A. Power. 1950a. Fishery statistics of the United States, 1946. Washington, DC: U.S. Dept. Interior Statistical Digest No. 19. 265 pp.

15. Anderson, A.W. and E.A. Power. 1950b. Fishery statistics of the United States, 1947. Washington, DC: U.S. Dept. Interior Statistical Digest No. 21. 285 pp.
16. Anderson, A.W. and E.A. Power. 1951. Fishery statistics of the United States, 1948. Washington, DC: U.S. Dept. Interior Statistical Digest No. 22. 305 pp.
17. Anderson, A.W. and E.A. Power. 1955. Fishery statistics of the United States, 1952. Washington, DC: U.S. Dept. Interior Statistical Digest No. 34. 345 pp.
18. Anderson, A.W. and E.A. Power. 1956a. Fishery statistics of the United States, 1953. Washington, DC: U.S. Dept. Interior Statistical Digest No. 36. 338 pp.
19. Anderson, A.W. and E.A. Power. 1956b. Fishery statistics of the United States, 1954. Washington, DC: U.S. Dept. Interior Statistical Digest No. 39. 374 pp.
20. Anderson, A.W. and E.A. Power. 1957. Fishery statistics of the United States, 1955. Washington, DC: U.S. Dept. Interior Statistical Digest No. 41. 446 pp.
21. Andrews, J.D. 1971. Climatic and ecological settings for growing shellfish. In: Price, K.S., Jr. and D.L. Maurer (eds.). Artificial propagation of commercially valuable shellfish: proceedings of the conference; Oct. 22-23, 1969; University of Delaware. Newark, DE: University of Delaware, College of Marine Studies: 97-107. (Also cited as Virginia Institute of Marine Science Contribution No. 371.)
22. Anon. 1972. Utilization of sewage effluent for shellfish culture. FAO Aquaculture Bulletin 5(1): 4-5.
23. Anon. 1972. Culture of resources in a cold water marine environment. In: The University of Maine's coherent project Sea Grant Program: a report on the University of Maine's Sea Grant Program for 1 May 1971 to 30 April 1972. Orono, ME: University of Maine Sea Grant Publication No. MEU-Q-72-001: 3-15.
24. Anon. 1972. Improvement of fisheries for molluscs. In: Virginia Institute of Marine Science Sea Grant Report for 1972. Gloucester Point, VA: Virginia Institute of Marine Science Sea Grant Publication No. VIMS-Q-72-001: 16-17.
25. Anon. 1973. Improvement of fisheries for molluscs. In: Virginia Institute of Marine Science Sea Grant Report for 1973. Gloucester Point, VA: Virginia Institute of Marine Science Sea Grant Publication No. VIMS-Q-73-001: 26-29. (Also cited as Virginia Institute of Marine Science Sea Grant Publication No. VIMS-Z-73-007.)



26. Anon. 1973. VIMS tags scallops, seeks migration patterns. National Fisherman 54(7): 25A.
27. Anon. 1975. Will bay scallops ever return to Rhode Island? Narragansett, RI: University of Rhode Island NEMRIP Information 78: 1-2.
28. Anon. 1983. Rapid growth and high market value make scallop aquaculture enticing. National Fisherman 63(11): 27-28.
29. Aprill, G.H. 1984. Common seashells of Delaware. Lewes, DE: University of Delaware Sea Grant, Marine Advisory Service Publication No. MAS 5. 6 pp.
30. Ash, B.M and R.E. Stephens. 1975. Ciliogenesis during the sequential formation of molluscan gill filaments. Developmental Biology 43(2): 340-347.
31. Ashiba, G. and A.G. Szent-Györgyi. 1985. Essential light chain exchange in scallop myosin. Biochemistry 24(23): 6618-6623.
32. Atkins, D. 1938. On the ciliary mechanisms and interrelationships of lamellibranchs: VII. Latero-frontal cilia of the gill filaments and their phylogenetic value. Quarterly Journal Microscopical Science 80: 345-437, 1 pl., 12 text figs.
33. Auster, P.J. and L.L. Stewart. 1984. Compensatory growth in the bay scallop, Argopecten irradians (L.). Journal of Northwest Atlantic Fishery Science 5(1): 103-104. (Also cited as University of Connecticut, Marine Research Laboratory Contribution No. 157.)
34. Baptist, J.P., D.A. Wolfe and D.R. Colby. 1976. Effects of chronic gamma radiation on the growth and survival of juvenile clams (Mercenaria mercenaria) and scallops (Argopecten irradians). Health Physics 30(1): 79-83.
35. Bárány, M. and K. Bárány. 1966. Myosin from the striated adductor muscle of scallop (Pecten irradians). Biochemische Zeitschrift 345(1): 37-56.
36. Barber, B.J. 1984. Reproductive energy metabolism in the bay scallop, Argopecten irradians concentricus (Say). Tampa, FL: University of South Florida. 134 pp. Dissertation.
37. Barber, B.J. and N.J. Blake. 1981. Energy storage and utilization in relation to gametogenesis in Argopecten irradians concentricus (Say). Journal of Experimental Marine Biology and Ecology 52(2-3): 121-134.

38. Barber, B.J. and N.J. Blake. 1983. Growth and reproduction of the bay scallop, Argopecten irradians (Lamarck) at its southern distributional limit. *Journal of Experimental Marine Biology and Ecology* 66(3): 247-256.
39. Barber, B.J. and N.J. Blake. 1985a. Intra-organ biochemical transformations associated with oogenesis in the bay scallop, Argopecten irradians concentricus (Say), as indicated by <sup>14</sup>C incorporation. *Biological Bulletin* (Woods Hole) 168(1): 39-49.
40. Barber, B.J. and N.J. Blake. 1985b. Substrate catabolism related to reproduction in the bay scallop Argopecten irradians concentricus, as determined by O/N and RQ physiological indexes. *Marine Biology* 87(1): 13-18.
41. Bardach, J.E., J.H. Ryther and W.O. McLarney (eds.). 1972. *Aquaculture: the farming and husbandry of freshwater and marine organisms*. New York: Wiley Inter-Science.
42. Bayne, B.L. 1976. Aspects of reproduction in bivalve molluscs. In: Wiley, M. (ed.). *Estuarine processes: uses, stresses, and adaptation to the estuary*. New York: Academic Press: 432-448. (Wiley, M.; *Estuarine processes: uses, stresses, and adaptation to the estuary*; vol. 1).
43. Belding, D.L. 1907. Scallop (Pecten irradians). In: Report on the shellfisheries of Massachusetts. Boston, MA: Commonwealth of Massachusetts Commission on Fisheries and Game Report for 1906, Public Document No. 25: 53-61.
44. Belding, D.L. 1909. Scallop (Pecten irradians). In: The shellfisheries of Massachusetts: their present condition and extent. Boston, MA: Commonwealth of Massachusetts Commission on Fisheries and Game Report on the Mollusk Fisheries of Massachusetts: 80-116.
45. Belding, D.L. 1910a. A report upon the scallop fishery of Massachusetts, including the habits, life history of Pecten irradians, its rate of growth, and other facts of economic value. Boston, MA: Special Report of the Commonwealth of Massachusetts Commission on Fisheries and Game. 150 pp., 118 figs.
46. Belding, D.L. 1910b. The scallop fishery of Massachusetts: including an account of the natural history of the common scallop. Boston, MA: Commonwealth of Massachusetts Commission on Fisheries and Game, Marine Fisheries Series No. 3. 51 pp.
47. Bell, A.L. 1966. The fine structure of the eye of the scallop, Pecten irradians. *Biological Bulletin* (Woods Hole) 131(2): 385 (abstract).

48. Bito, L.Z. 1972. Comparative study of concentrative prostaglandin accumulation by various tissues of mammals and marine vertebrates and invertebrates. *Comparative Biochemistry and Physiology* 43A(1): 65-82.
49. Blake, N.J. 1972. Environmental regulation of neurosecretion and reproductive activity in the bay scallop, Aequipecten irradians Lamarck. Kingston, RI: University of Rhode Island. 161 pp. Thesis.
50. Blake, N.J. and A.N. Sastry. 1979. Neurosecretory regulation of oogenesis in the bay scallop, Argopecten irradians irradians (Lamarck). In: Naylor, E. and R.G. Hartnol (eds.). *Cyclic phenomena in marine plants and animals: proceedings of the 13th European marine biology symposium; Sept. 27-Oct. 4, 1978; Isle of Man.* Oxford: Pergamon Press: 181-190.
51. Blake, N.J. and P.P. Yevich. 1972. The neurosecretory cycle of the bay scallop, Aequipecten irradians. *General and Comparative Endocrinology* 18(3): 576-577 (abstract No. 16).
52. Blogoslawski, W.J., M.E. Stewart and E.W. Rhodes. 1978. Bacterial disinfection in shellfish hatchery disease control. *Proceedings of the Annual Meeting of the World Mariculture Society* 9: 589-602.
53. Blumer, M., G. Souza and J. Sass. 1970. Hydrocarbon pollution of edible shellfish by an oil spill. *Marine Biology* 5(3): 195-202. (Also cited as Woods Hole Oceanographic Institution Contribution No. 2444.)
54. Bonnet, J.C., V.D. Sidwell and E.G. Zook. 1974. Chemical and nutritive values of several fresh and canned finfish, crustaceans, and mollusks: II. Fatty acid composition. *Marine Fisheries Review* 36(2): 8-9. (MFR Paper 1033).
55. Boss, K.J. and A.S. Merrill. 1965. Degree of host specificity in two species of Odostomia (Pyramidellidae:Gastropoda). *Proceedings of the Malacological Society of London* 36(6): 349-355.
56. Broom, M.J. 1976. Synopsis of biological data on scallops (Chlamys (Aequipecten) opercularis (Linnaeus), Argopecten irradians (Lamarck), Argopecten gibbus (Linnaeus)). FAO Fisheries Synopsis No. 114. 44 pp.
57. Burle, E. and W.W. Kirby-Smith. 1979. Growth of the bay scallop, Argopecten irradians, fed an artificial diet rich in protein. *Estuaries* 2(3): 206-208.
58. Burrell, V.G., Jr. 1983. Molluscan aquaculture in the United States: a brief overview. *Journal of the World Mariculture Society* 14: 164-169. (Also cited as South Carolina Marine Resources Center Contribution No. 159.)

59. Cake, E. 1973. Larval cestode infections in several edible bivalve mollusks from the vicinity of St. Theresa, Florida. Proceedings of the National Shellfisheries Association 63: 1 (abstract).
- 60.\* Cake, E.W., Jr. 1975. Larval and postlarval cestode parasites of shallow-water, benthic mollusks of the Gulf of Mexico from the Florida Keys to the Mississippi Sound. Tallahassee, FL: Florida State University. 412 pp. Dissertation.
61. Cake, E.W., Jr. 1976. A key to larval cestodes of shallow-water, benthic mollusks of the northern Gulf of Mexico. Proceedings of the Helminthological Society of Washington 43(2): 160-171.
62. Cake, E.W., Jr. 1977. Larval cestode parasites of edible mollusks of the northeastern Gulf of Mexico. Gulf Research Reports 6(1): 1-8.
63. Cake, E.W., Jr. 1979. Polypocephalus sp. (Cestoda; Lecanicephalidae): a description of tentaculo-plerocercoids from bay scallops of the northeastern Gulf of Mexico. Proceedings of the Helminthological Society of Washington 46(2): 165-170.
64. Calabrese, A., F.P. Thurberg and E. Gould. 1977. Effects of cadmium, mercury, and silver on marine animals. Marine Fisheries Review 39(4): 5-11. (MFR Paper 1244).
65. Capuzzo, J.M. (ed.). 1984. Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA. Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38. 35 pp.
66. Capuzzo, J.M., G.R. Hampson and R.E. Taylor, Jr. 1983. Seeding program for the bay scallop: comparison of local bays, Falmouth, MA. Woods Hole, MA: Woods Hole Oceanographic Institution Annual Sea Grant Report, 1981-1982: 5-6.
67. Capuzzo, J.M. and R.E. Taylor, Jr. 1980. Preliminary investigations of local populations of the bay scallop, Argopecten irradians irradians Lamarck. Woods Hole, MA: Woods Hole Oceanographic Institution Annual Sea Grant Report, 1978-1979: 26.
68. Capuzzo, J.M. and R.E. Taylor. 1982. Seeding program for the bay scallop: comparison of local bays, Falmouth, MA. Woods Hole, MA: Woods Hole Oceanographic Institution Annual Sea Grant Report, 1980-1981: 13.
69. Carmichael, N.G. and B.A. Fowler. 1978. X-ray microanalytical studies of Ca, Mn and Mg containing crystalline inclusion bodies in kidney cells of bay scallop (Argopecten irradians). Federation Proceedings 37(3): 266 (abstract No. 290).

70. Carmichael, N.G. and B.A. Fowler. 1981. Cadmium accumulation and toxicity in the kidney of the bay scallop Argopecten irradians. *Marine Biology* 65(1): 35-43.
71. Carmichael, N.G., K.S. Squibb and B.A. Fowler. 1979. Metals in the molluscan kidney: a comparison of two closely related bivalve species (Argopecten), using X-ray microanalysis and atomic absorption spectroscopy. *Journal of the Fisheries Research Board of Canada* 36(9): 1149-1155.
72. Carriker, M.R. 1950. Some recent investigations of native bivalve larvae in New Jersey estuaries. *Proceedings of the National Shellfisheries Association* 41: 69-74.
73. Castagna, M. 1975. Culture of the bay scallop, Argopecten irradians, in Virginia. *Marine Fisheries Review* 37(1): 19-24. (MFR Paper 1113).
74. Castagna, M. 1983. Review of recent bivalve culture methods. *Journal of the World Mariculture Society* 14: 567-575. (Also cited as Virginia Institute of Marine Science Contribution No. 1134.)
75. Castagna, M. and P. Chanley. 1973. Salinity tolerance of some marine bivalves from inshore and estuarine environments in Virginia waters on the western mid-Atlantic coast. *Malacologia* 12(1): 47-96. (Also cited as Virginia Institute of Marine Science Contribution No. 476.)
76. Castagna, M. and W. Duggan. 1971. Rearing the bay scallop, Aequipecten irradians. *Proceedings of the National Shellfisheries Association* 61: 80-85. (Also cited as Virginia Institute of Marine Science Contribution No. 388.)
77. Castagna, M. and W.P. Duggan. 1972. Mariculture experiments with the bay scallop, Argopecten irradians, in waters of the seaside of Virginia. *Bulletin of the American Malacological Union* 37: 21 (abstract). (Also cited as Virginia Institute of Marine Science Contribution No. 411.)
78. Castagna, M. and W.P. Duggan. 1973. Mariculture experiments with the bay scallop, Argopecten irradians, in the waters of the seaside of Virginia. *South Florida Shell Club* 11(1): 5.
79. Castagna, M.A., W.P. Duggan and D. Garten. 1971. Spawning and rearing the bay scallop: VIMS laboratory method. Gloucester Point, VA: Virginia Institute of Marine Science, Marine Resources Advisory Series No. 5. 3 pp. (Also cited as Virginia Institute of Marine Science Sea Grant Publication No. VIMS-G1-71-001.)

80. Chalovich, J.M., P.D. Chantler, A.G. Szent-Györgyi and E. Eisenberg. 1983. Regulation of molluscan actomyosin ATPase by  $Ca^{2+}$ . *Biophysical Journal* 41(2): 153a (abstract No. M-PM-18).
81. Chalovich, J.M., P.D. Chantler, A.G. Szent-Györgyi and E. Eisenberg. 1984. Regulation of molluscan actomyosin ATPase activity. *Journal of Biological Chemistry* 259(4): 2617-2621.
82. Chanley, M.H. 1981. Laboratory culture of marine bivalve molluscs. In: National Research Council Committee on Marine Invertebrates. *Laboratory animal management: marine invertebrates*. Washington, DC: National Academy Press: 233-249.
83. Chanley, P. 1975. Laboratory cultivation of assorted bivalve mollusks. In: Smith, W.L. and M.H. Chanley (eds.). *Culture of marine invertebrate animals: proceedings of the conference; Oct., 1972; Greenport, NY*. New York: Plenum Press: 297-318.
84. Chanley, P. and J.D. Andrews. 1971. Aids for identification of bivalve larvae of Virginia. *Malacologia* 11(1): 45-119. (Also cited as Virginia Institute of Marine Science Contribution No. 322.)
85. Chantler, P.D., D.J. Marsh and S.R. Martin. 1981. The myosin ATPase mechanism does not require a conformationally sensitive aromatic residue. *Journal of Muscle Research and Cell Motility* 2(4): 453-466.
86. Chantler, P.D., J.R. Sellers and A.G. Szent-Györgyi. 1981. Cooperativity in scallop myosin. *Biochemistry* 20(1): 210-216.
87. Chantler, P.D. and A.G. Szent-Györgyi. 1978. Spectroscopic studies on invertebrate myosins and light chains. *Biochemistry* 17(25): 5440-5448.
88. Chantler, P.D. and A.G. Szent-Györgyi. 1980. Regulatory light-chains and scallop myosin: full dissociation, reversibility and co-operative effects. *Journal of Molecular Biology* 138(3): 473-492.
89. Cheng, T.C. 1967. Marine molluscs as hosts for symbioses with a review of known parasites of commercially important species. In: Russell, F.S. (ed.). *Advances in marine biology*. New York: Academic Press. 424 pp. (Russell, F.S.; *Advances in marine biology*; vol. 5).
90. Cheng, T.C. and D.A. Foley. 1971. Blood cells of pelecypods. *American Zoologist* 11(4): 699-700 (abstract No. 516).

91. Chestnut, A.F. and H.S. Davis. 1975. Synopsis of marine fisheries of North Carolina: I. Statistical information, 1880-1973. Raleigh, NC: University of North Carolina Sea Grant Publication No. UNC-SG-75-12. 425 pp.
92. Chew, K.K., J.H. Beattie and J.D. Donaldson. 1986. Bivalve mollusc hatchery techniques, maturation and triggering of spawning. Paper presented at the international seminar on shellfish culture development and management; March 4-9, 1985; La Rochelle (France). (In press).
- 93.\* Chin, C.P. 1985. Control of glycolysis during burst contractile activity in the phasic adductor muscle of the bay scallop, Argopecten irradians concentricus. Tallahassee, FL: Florida State University. 166 pp. Dissertation.
94. Chin, C.P. and W.R. Ellington. 1981. Arginine phosphate and ATP utilization and formation in the "snap" and "catch" adductor muscles of the bay scallop, Argopecten irradians concentricus. American Zoologist 21(4): 940 (abstract No. 141).
95. Chin, C.P. and W.R. Ellington. 1983. Energy metabolism during contractile activity and environmental hypoxia in the phasic adductor muscle of the bay scallop Argopecten irradians concentricus. Physiological Zoology 56(4): 623-631.
96. Chipman, W.A. 1954. On the rate of water propulsion by the bay scallop. Proceedings of the National Shellfisheries Association 45: 136-139.
97. Chipman, W.A. and J.G. Hopkins. 1954. Water filtration by the bay scallop, Pecten irradians, as observed with the use of radioactive plankton. Biological Bulletin (Woods Hole) 107(1): 80-91.
98. Clark, G.R., II. 1969. Shell characteristics of the family Pectinidae as environmental indicators. Pasadena, CA: California Institute of Technology. 101 pp. Thesis.
99. Clarke, A.H., Jr. 1963. Variation and subspecific divisions within Aequipecten irradians (Lamarck). American Malacological Union, Pac. Div., Annual Report for 1963: 10 (abstract).
100. Clarke, A.H., Jr. 1965. The scallop superspecies Aequipecten irradians (Lamarck). Malacologia 2(2): 161-188.
101. Clarke, A.H., Jr. 1967. Recent and post-Pleistocene Mollusca from Sable Island, Nova Scotia. Report of the American Malacological Union, Pac. Div.: 11-12 (summary).

102. Clarke, A.H., Jr., D.J. Stanley, J.C. Medcof and R.E. Drinnan. 1967. Ancient oyster and bay scallop shells from Sable Island. *Nature (London)* 215(5106): 1146-1148.
103. Claus, C. 1981. Trends in nursery rearing of bivalve molluscs. In: Claus, C., N. de Pauw and E. Jaspers (eds.). Nursery culturing of bivalve molluscs: proceedings of the international workshop; Feb. 24-26, 1981; Ghent, Belgium: 1-33. Bredenne, Belgium: European Mariculture Society Special Publication No. 7; 394 pp.
104. Coe, W.R. 1942. Sexual differentiation in mollusks: I. Pelecypods. *The Quarterly Review of Biology* 18: 154-164. (Also cited as Scripps Institution of Oceanography Contribution No. 197.)
105. Coe, W.R. 1945. Development of the reproductive system and variations in sexuality in Pecten and other pelecypod mollusks. *Transactions Connecticut Academy Arts and Sciences* 36: 673-700. (Also cited as Scripps Institution of Oceanography Contribution No. 255.)
106. Cohen, C., A.G. Szent-Györgyi and J. Kendrick-Jones. 1971. Paramyosin and the filaments of molluscan "catch" muscles: I. Paramyosin: structure and assembly. *Journal of Molecular Biology* 56(2): 223-237.
107. Colton, H.S. 1914. Results of a statistical study of variation in the blue shells of Pecten nucleus irradians found at Atlantic City, N.J. *The Nautilus* 28(1): 52-54.
108. Cooper, R.A. and N. Marshall. 1963. Condition of the bay scallop, Aequipecten irradians, in relation to age and the environment. *Chesapeake Science* 4(3): 126-134. (Also cited as University of Rhode Island Graduate School of Oceanography, Narragansett Marine Laboratory Contribution No. 72.)
109. Costello, T.J., J.H. Hudson, J.L. Dupuy and S. Rivkin. 1973. Larval culture of the calico scallop, Argopecten gibbus. *Proceedings of the National Shellfisheries Association* 63: 72-76. (Also cited as Virginia Institute of Marine Science Contribution No. 478 and NOAA, NMFS, Southeast Fisheries Center Contribution No. 225.)
110. Costlow, J.D., Jr. and W.W. Kirby-Smith. 1970. The effects of water current on the growth of the bay scallop, Argopecten irradians (Lamarck). Final report to the North Carolina Board of Science and Technology, Grant No. 279. 4 pp.
111. Crise, H.L. 1970. Nantucket scallopers pinched after banner '69. *National Fisherman* 50(3): 25-A, 28-A.



112. Curray, J.R. 1960. Sediments and history of Holocene transgression, continental shelf, northwest Gulf of Mexico. In: Shepard, F.P., F.B. Phleger and T.H. van Andel (eds.). Recent sediments, northwest Gulf of Mexico: a symposium summarizing the results of work carried on in Project 51 of the American Petroleum Institute, 1951-1958. Tulsa, OK: American Association of Petroleum Geologists: 221-266. (Condensation of unpublished doctoral dissertation, University of California, Scripps Institution of Oceanography, 1959.)
113. Curtis, H. 1966. The bright-eyed scallop. *Sea Frontiers* 12(4): 194-202.
114. D'Agostino, A. 1979. Culture of crustaceans and other invertebrates. In: Terry, O.W. and D.M. Chase (eds.). Mariculture in New York State: proceedings of a symposium; Oct. 22, 1977; Southampton College, Southampton, New York. Albany, NY: New York Sea Grant Institute Report No. NYSGI-RP-79-01: 38-45.
115. Dall, W.H. 1889. A preliminary catalogue of the shell-bearing marine mollusks and brachiopods of the southeastern coast of the United States, with illustrations of many of the species. *Bulletin of the U.S. Natural History Museum* 37. 221 pp., 74 pls. (Reprinted in 1903.)
116. Dall, W.H. 1925. Notes on the nomenclature of some of our east American species of Pecten with descriptions of new species. *The Nautilus* 38(9): 112-120.
117. Davenport, C.B. 1900. On the variation of the shell of Pecten irradians Lamarck from Long Island. *The American Naturalist* 34(407): 863-877, 2 figs.
118. Davenport, C.B. 1938. Growth lines in fossil Pectens as indicators of past climates. *Journal of Paleontology* 12(5): 514-515.
119. Davenport, C.B. and M.E. Hubbard. 1904. Studies in the evolution of Pecten: IV. Ray variability in Pecten varius. *Journal of Experimental Zoology* 1(4): 607-616.
- 120.\* Davies, T.J. 1983. The influence of the epibionts Codium fragile and Crepidula fornicata on the predation of the bay scallop Argopecten irradians by the sea star Asterias forbesi and the oyster drill Urosalpinx cinerea. Garden City, NY: Adelphi University. 52 pp. Thesis.
121. Davis, R.L. and N. Marshall. 1961. The feeding of the bay scallop, Aequipecten irradians. *Proceedings of the National Shellfisheries Association* 52: 25-29. (Also cited as University of Rhode Island, Graduate School of Oceanography Contribution No. 62.)

122. Dentler, W.L., M.M. Pratt and R.E. Stephens. 1980. Microtubule-membrane interactions in cilia: II. Photochemical cross-linking of bridge structures and the identification of a membrane-associated dynein-like ATPase. *Journal of Cell Biology* 84(2): 381-403.
123. Derby, C.D. and J. Atema. 1980. Induced host odor attraction in the pea crab Pinnotheres maculatus. *Biological Bulletin (Woods Hole)* 158(1): 26-33.
124. Dillaman, R.M. and S.E. Ford. 1982. Measurement of calcium carbonate deposition in molluscs by controlled etching of radioactively labeled shells. *Marine Biology* 66(2): 133-143.
125. Dillaman, R.M., S.E. Ford and K.M. Wilbur. 1980. Measurement of mineral deposition by controlled etching of isotopically labelled molluscan shells. *Haliotis* 10(2): 47 (abstract).
126. Dodd, J.R. 1969. Effect of light on rate of growth of bivalves. *Nature (London)* 224(5219): 617-618.
127. Dodd, J.R. and R.J. Stanton, Jr. 1975. Paleosalinities within a Pliocene bay, Kettleman Hills, California: a study of the resolving power of isotopic and faunal techniques. *Geological Society of America Bulletin* 86(1), Document No. 50108: 51-64.
128. Doyle, L.J., N.J. Blake, C.C. Woo and P. Yevich. 1978. Recent biogenic phosphorite: concretions in mollusk kidneys. *Science (Washington, DC)* 199(4336): 1431-1433.
129. Dreyer, W.A. and W.A. Castle. 1941. Occurrence of the bay scallop, Pecten irradians. *Ecology* 22(4): 425-427.
130. Driscoll, E.G. 1970a. Selective bivalve shell destruction in marine environments, a field study. *Journal of Sedimentary Petrology* 40(3): 898-905.
131. Driscoll, E.G. 1970b. Destruction of potential fossils by boring organisms and abrasion. *Geological Society of America Bulletin Abstracts* 2(7): 740-741 (abstract).
132. Duggan, W.P. 1973. Growth and survival of the bay scallop, Argopecten irradians, at various locations in the water column and at various densities. *Proceedings of the National Shellfisheries Association* 63: 68-71. (Also cited as Virginia Institute of Marine Science Sea Grant Publication No. VIMS-R-73-006.)
133. Duggan, W.P. 1975. Reactions of the bay scallop, Argopecten irradians, to gradual reductions in salinity. *Chesapeake Science* 16(4): 284-286. (Also cited as Virginia Institute of Marine Science Contribution No. 610.)

134. Duggan, W.P. and M.A. Castagna. 1971. Studies on mariculture of bay scallop, Argopecten irradians. In: Hargis, W.J., Jr. (ed.). Research on Chesapeake Bay and contiguous waters of the Chesapeake Bight of the Virginian Sea. Gloucester Point, VA: Virginia Institute of Marine Science Sea Grant Publication No. VIMS-Q-71-001: 22. (Also cited as Virginia Institute of Marine Science Sea Grant Publication No. VIMS-Z-71-003.)
135. Duke, T., J. Willis, T. Price and K. Fischler. 1969. Influence of environmental factors on the concentrations of  $^{65}\text{Zn}$  by an experimental community. In: Nelson, D.J. and F.C. Evans (eds.). Proceedings of the second national symposium on radioecology; May 15-17, 1967; Ann Arbor, MI. Springfield, VA: U.S. Dept. Commerce, Clearinghouse for Federal Scientific and Technical Information: 355-362.
136. Eidemiller, A. 1969a. Stimuli involved in the establishment and maintenance of the commensal relationship between Pinnotheres maculatus Say and Aequipecten irradians concentricus. Virginia Journal of Science 20: 111 (abstract).
137. Eidemiller, A. 1969b. Entry behavior of the crab Pinnotheres maculatus Say. Quarterly Journal of the Florida Academy of Sciences 32(4): 266-274.
138. Eisler, R., G.E. Zarogian and R.J. Hennekey. 1972. Cadmium uptake by marine organisms. Journal of the Fisheries Research Board of Canada 29(9): 1367-1369.
139. Elston, R. 1979. Economically important larval bivalve diseases and their control. Rivista Italiana di Piscicoltura e Ittiopatologia 14(2): 47-51.
140. Engle, J.B. 1966. The molluscan shellfish industry: current status and trends. Proceedings of the National Shellfisheries Association 56: 13-21.
141. Epifanio, C.E. 1976. Shell deformity among scallops (Argopecten irradians Lamark) cultured in a recirculating seawater system. Aquaculture 9(1): 81-85.
142. Epifanio, C.E. 1979. Comparison of yeast and algal diets for bivalve molluscs. Aquaculture 16(3): 187-192.
143. Estabrooks, S.L. 1972. Seasonal variation in the chemical composition of the bay scallop, Aequipecten irradians Lamarck. In: Read, K.R.H. (ed.). Poseidon '72: proceedings of the student symposium, Project Poseidon; May 25, 1972; Boston University. Boston, MA: Boston University Sea Grant Publication No. BSTNU-W-72-001: 47-52

144. Estabrooks, S.L. 1973. Seasonal variation in the glycogen and lipid content of the bay scallop, Aequipecten irradians lamarck. Boston, MA: Northeastern University. 68 pp. Thesis.
145. FAO. 1964-1985. Yearbook of fishery statistics: catches and landings. Rome, Italy: Food and Agriculture Organization of the United Nations. Paging variable.
146. Fan, S.-F., M.M. Dewey, D. Colflesh, B. Gaylinn, R.A. Greguski and B. Chu. 1985. The active cross-bridge motions of isolated thick filaments from myosin-regulated muscles detected by quasi-elastic light scattering. *Biophysical Journal* 47(6): 809-821.
147. Fay, C.W., R.J. Neves and G.B. Pardue. 1983. Bay scallop. Washington, DC: U.S. Dept. Interior, Fish and Wildlife Service Species Profile FWS/OBS-82/11.12. 17 pp.
148. Ferguson, J.C. 1982. A comparative study of the net metabolic benefits derived from the uptake and release of free amino acids by marine invertebrates. *Biological Bulletin (Woods Hole)* 162(1): 1-17.
149. Fiedler, R.H. 1942. Fishery statistics of the United States, 1939. Washington, DC: U.S. Dept. Interior Statistical Digest No. 1. 220 pp.
150. Fiedler, R.H. 1943. Fishery statistics of the United States, 1940. Washington, DC: U.S. Dept. Interior Statistical Digest No. 4. 225 pp.
151. Fiedler, R.H. 1945. Fishery statistics of the United States, 1941. Washington, DC: U.S. Dept. Interior Statistical Digest No. 7. 174 pp.
152. Flicker, P.F., T. Wallimann and P. Vibert. 1983. Electron microscopy of scallop myosin: location of regulatory light chains. *Journal of Molecular Biology* 169(3): 723-741.
153. Foehrenbach, J. 1972. Chlorinated pesticides in estuarine organisms. *Journal of the Water Pollution Control Federation* 44(4): 619-624.
154. Foehrenbach, J., G. Mahmood and D. Sullivan. 1971. Chlorinated hydrocarbon residues in shellfish (Pelecypoda) from estuaries of Long Island, New York. *Pesticides Monitoring Journal* 5(3): 242-247. (Also cited as New York State Dept. of Environmental Conservation, Division of Marine and Coastal Resources Contribution No. 71-2.)

155. Fordham, E.C. 1970. Scallop culture: hatchery rearing of the larval and juvenile stages of the bay scallop, Aequipecten irradians. Hartford, CT: Connecticut Research Commission, Grant No. RSA-70-24. 25 pp.
156. Foster, J.M. 1980. Scallops in St. Joseph Bay, Florida. Underwater Naturalist 12(3): 14-16.
157. Fricke, P.H. 1981. Socioeconomic aspects of the bay scallop fishery in Carteret County, N.C. Raleigh, NC: North Carolina State University Sea Grant Publication No. UNC-SG-WP-81-12. 29 pp.
158. Gabbott, P.A. 1975. Storage cycles in marine bivalve molluscs: a hypothesis concerning the relationship between glycogen metabolism and gametogenesis. In: Barnes, H. (ed.). Proceedings of the 9th European marine biology symposium; Oct. 2-8, 1974; Dunstaffinage Marine Research Laboratory, Oban, Scotland. Aberdeen: Aberdeen University Press: 191-211.
159. Gaines, A.G., Jr. and D.A. Ross. 1984. Perceptions of the bay scallop fishery of southern Massachusetts: analysis of a questionnaire, Oct. 1983. In: Capuzzo, J. (ed.). Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 17-26. Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
160. Galus, H.S. 1977a. Mass. bay scalloping is bad, though key exceptions noted. National Fisherman 57(9): 10-A, 30-A.
161. Galus, H.S. 1977b. Undersize scallop crackdown is short lived. National Fisherman 58(1): 5-A.
162. Ganong, W.F. 1889. The economic Mollusca of Acadia. Bulletin of the Natural History Society of New Brunswick 8: 3-116.
163. Ganong, W.F. 1890. Willis' list of Nova Scotian shells, 1863. Proceedings and Transactions of the Nova Scotian Institute of Natural Science for 1887, 1887-88, 1888-89, 1889-90, vol. 7: 419-428. (Reprint of Willis, J.R.; Marine, land and freshwater shells of Nova Scotia Mollusca; report to the Smithsonian Institute; 1863.)
164. Gardner, G.R., P.P. Yevich and P.F. Rogerson. 1975. Morphological anomalies in adult oyster, scallop, and Atlantic silversides exposed to waste motor oil. In: Proceedings of the 1975 conference on prevention and control of oil pollution; March 25-27, 1975; San Francisco, California. Washington, DC: American Petroleum Institute: 473-477.

- 165.\* Garey, J.F. 1980. Selected alternatives to conventional chlorination. Falmouth, MA: Marine Research Foundation, Inc. Report No. EPRI-EA-1588. 108 pp.
166. Gates, J.M., G.C. Matthiessen and C.A. Griscom. 1974. Aquaculture in New England. Kingston, RI: University of Rhode Island Marine Technical Report Series No. 18. 77 pp. (Also cited as University of Rhode Island Sea Grant Publication No. RIU-T-74-003.)
167. Gaucher, T.A. 1972. Summary of progress report on program to reestablish the bay scallop in the Niantic River estuary. Prepared for the Waterford-East Lyme (CT) Shellfish Commission. 2 pp.
168. Gaucher, T.A. and V. Lee. 1972. Progress report on the program to revitalize the bay scallop in the Niantic River estuary. Prepared for the Waterford-East Lyme (CT) Shellfish Commission. 35 pp.
169. Ghiretti, F. 1966. Respiration. In: Wilbur, K.M. and C.M. Yonge (eds.). Physiology of Mollusca. New York: Academic Press: 175-208. (Wilbur, K.M.; Yonge, C.M.; Physiology of Mollusca, vol. 2, chapt. 5).
170. Gibbons, E. 1964. Stalking the blue-eyed scallop. New York: David McKay Co., Inc.
171. Gibbons, M.C. and M. Castagna. 1984. Serotonin as an inducer of spawning in six bivalve species. Aquaculture 40(2): 189-191. (Also cited as Virginia Institute of Marine Science Contribution No. 1183).
- 172.\* Giese, A.C. and J.S. Pearse (eds.). 1974. Treatise on physiology and ecology of reproduction in marine invertebrates. New York: Academic Press.
173. Gillmor, R.B. 1982. Assessment of intertidal growth and capacity adaptations in suspension-feeding bivalves. Marine Biology 68(3): 277-286.
174. Gillmor, R.B. and H. Hidu. 1983. Morphometric patterns in intertidal bivalves. Journal of Shellfish Research 3(1): 91 (abstract).
175. Glude, J.B. (ed.). 1977. NOAA Aquaculture Plan. Washington, DC: U.S. Dept. Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service and Office of Sea Grant. 41 pp.
176. Goldberg, A. and W. Lehman. 1978. Troponin-like proteins from muscles of the scallop, Aequipecten irradians. Biochemical Journal 171(2): 413-418.

177. Goldberg, R. 1978. Some effects of gas-supersaturated seawater on Spisula solidissima and Argopecten irradians. *Aquaculture* 14(4): 281-287.
178. Gorman, A.L.F. and J.S. McReynolds. 1969. Hyperpolarizing and depolarizing receptor potentials in the scallop eye. *Science* (Washington, DC) 165(3890): 309-310.
179. Gorman, A.L.F. and J.S. McReynolds. 1972. Potassium dependence of the hyperpolarizing receptor potential of the scallop photoreceptor. *Biological Bulletin* (Woods Hole) 143(2): 464 (abstract).
180. Gorman, A.L.F. and J.S. McReynolds. 1974. Control of membrane K<sup>+</sup> permeability in a hyperpolarizing photoreceptor: similar effects of light and metabolic inhibitors. *Science* (Washington, DC) 185(4151): 620-621.
181. Gorman, A.L.F. and J.S. McReynolds. 1978. Ionic effects on the membrane potential of hyperpolarizing photoreceptors in scallop retina. *Journal of Physiology* 275: 345-355.
182. Graham, R. 1984. Bay scallop mariculture. *Underwater Naturalist* 14(4): 14-17.
183. Greenberg, M.J. 1969. Some properties of junctional cilia in molluscan gills. *Biological Bulletin* (Woods Hole) 137(2): 389 (abstract).
184. Gusey, W.F. 1976. The fish and wildlife resources of the Middle Atlantic Bight. Houston, TX: Shell Oil Co., Environmental Affairs: 541, 544-554.
185. Gusey, W.F. 1981. The fish and wildlife resources of the south Atlantic coast. Houston, TX: Shell Oil Co., Environmental Affairs: 6-179 to 6-180.
- 186.\* Gutsell, J.S. 1929a. Natural history of the bay scallop. Ithaca, NY: Cornell University. 38 pp. Dissertation.
187. Gutsell, J.S. 1929b. Scallop industry of North Carolina. Washington, DC: Report of U.S. Commissioner of Fisheries for the Fiscal Year 1928, Part 1, Appendix 5, Document No. 1043: 173-197, 11 figs.
188. Gutsell, J.S. 1931. Natural history of the bay scallop. *Bulletin of the U.S. Bureau of Fisheries*, 1930, vol. 46, Document No. 1100, 1930: 569-632.
189. Haines, K.C. 1973. A rapid technique for recording sizes of juvenile pelecypod molluscs. *Aquaculture* 1(4): 433 (technical note). (Also cited as Lamont-Doherty Geological Observatory Contribution No. 1912.)

190. Hall, V.A. 1984. A review of the reproduction, development, growth and culture of the bay scallop, Argopecten irradians (Lamarck). Boston, MA: Boston University. 135 pp. Thesis.
191. Hamilton, P.V., M.A. Winter and R.K. Pegg. 1981. Effects of whole drilling mud and selected components on the shell movements of the bay scallop, Argopecten irradians. Northeast Gulf Science 5(1): 13-20.
192. Hampson, G. and J.M. Capuzzo. 1984. Growth and reproduction of bay scallops in shallow and deepwater embayments. In: Capuzzo, J. (ed.). Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 4-5 (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
193. Hanks, R.W. 1971. Minor species--bay scallops, razor clams, and mussels. American Malacological Union Inc. Annual Report: 15-16.
194. Harbison, G.R. 1971. The adenosine deaminases of the bay scallop and several other bivalved molluscs. Tallahassee, FL: Florida State University. 137 pp. Dissertation.
195. Harbison, G.R. and J.R. Fisher. 1973a. Purification, properties and temperature dependence of the adenosine deaminase from a poikilotherm (bay scallop). Archives of Biochemistry and Biophysics 154(1): 84-95.
196. Harbison, G.R. and J.R. Fisher. 1973b. Comparative studies on the adenosine deaminases of several bivalved molluscs. Comparative Biochemistry and Physiology 46B(2): 283-293.
197. Harbison, G.R. and J.R. Fisher. 1974. Substrate-dependent apparent activation energies of the adenosine deaminases from bivalved molluscs. Comparative Biochemistry and Physiology 47B(1): 27-32.
198. Hardwicke, P.M.D. and A.G. Szent-Györgyi. 1985. Proximity of regulatory light chains in scallop myosin. Journal of Molecular Biology 183(2): 203-211.
199. Hardwicke, P.M.D., T. Wallimann and A.G. Szent-Györgyi. 1982. Regulatory and essential light-chain interactions in scallop myosin: I. Protection of essential light-chain thiol groups by regulatory light-chains. Journal of Molecular Biology 156(1): 141-152.
200. Hardwicke, P.M.D., T. Wallimann and A.G. Szent-Györgyi. 1983. Light-chain movement and regulation in scallop myosin. Nature (London) 301(5900): 478-482.



201. Hartline, H.K. 1938. The discharge of impulses in the optic nerve of Pecten in response to illumination of the eye. Journal of Cellular and Comparative Physiology 11(3): 465-477.
202. Helm, N.E. and R.E. Malouf. 1983. Rate of production of external ridges in the bay scallop, Argopecten irradians. American Zoologist 23(4): 1024 (abstract No. 835).
203. Hickey, M.T. 1978. Age, growth, reproduction and distribution of the bay scallop, Aequipecten irradians irradians (Lamarck), in three embayments of eastern Long Island, New York, as related to the fishery. Proceedings of the National Shellfisheries Association 68: 80-81 (abstract).
204. Hillman, R.E. and R.A. Marconi. 1980. A microcell disease of the bay scallop Argopecten irradians. Proceedings of the National Shellfisheries Association 70: 126-127 (abstract).
205. Hoff, J.G. 1968. Occurrence of Liparis atlanticus in Aequipecten irradians in Buzzards Bay, Massachusetts. Transactions of the American Fisheries Society 97(3): 278.
206. Hopkins, H.S. 1930. Age differences and the respiration in muscle tissues of mollusks. Journal of Experimental Zoology 56(2): 209-239, 2 text figs., 1 pl.
207. Howard, D.W. and C.S. Smith. 1983. Histological techniques for marine bivalve mollusks. Washington, DC: U.S. Dept. Commerce, NOAA Technical Memorandum NMFS-F/NEC-25. 97 pp.
- 208.\* Hsiao, Y-M. 1985. Economic analysis of the hard clam fishery management problems in North Carolina. Raleigh, NC: North Carolina State University. 108 pp. Dissertation.
209. Hyde, I.H. 1903. The nerve distribution in the eye of Pecten irradians. In: Parker, G.H. (ed.). Mark anniversary volume. New York: Henry Holt: 471-482.
210. Ingersoll, E. 1886. The scallop and its fishery. The American Naturalist 20(12):1001-1006.
211. Jackson, R.T. 1890. Phylogeny of the Pelecypoda; the Aviculidae and their allies. Memoirs of the Boston Society of Natural History 4(8): 277-400, 8 pls.
212. Jacot, A.P. 1921. Some marine molluscan shells of Beaufort and vicinity. Journal of the Elisha Mitchell Scientific Society 36(3): 129-145, 3 pls.
213. Johnson, C.W. 1934. List of marine Mollusca of the Atlantic coast from Labrador to Texas. Proceedings of the Boston Society of Natural History 40(1): 1-203.

214. Joint Subcommittee on Aquaculture. 1983. National aquaculture development plan, vols. I & II. Washington, DC: Federal Coordinating Council on Science, Engineering and Technology.
215. Jones, J.G. 1986. The puzzling life of the bay scallop. *Maritimes* 30(1): 14-16.
216. Jones, J.G. and C.S. Hammen. 1982. The effect of temperature on octopine dehydrogenase in the bay scallop Argopecten irradians irradians. *Federation Proceedings* 41(4): 1237 (abstract No. 5648).
217. Judson, W.I., R.C. MacPherson, L. Kelly and E.R. Townshend. 1976. A determination of the amount of potential bay scallop habitat in Prince Edward Island waters. Prince Edward Island, Canada: Prince Edward Island Dept. of Fisheries, Aquaculture Branch Technical Report No. 181. 45 pp., 2 appendices.
- 218.\* Kahler, G.A. 1973. Structure and function of the hinge ligament of marine bivalve molluscs. Houston, TX: Rice University. 154 pp. Dissertation.
219. Kahler, G.A., F.M. Fisher, Jr. and R.L. Sass. 1976. The chemical composition and mechanical properties of the hinge ligament in bivalve molluscs. *Biological Bulletin (Woods Hole)* 151(1): 161-181.
220. Karlsson, J.D. 1976. A study of stabilization of natural scallop populations by augmentation with artificially produced seed. Providence, RI: Rhode Island Dept. of Natural Resources, Division of Fish and Wildlife Leaflet No. 44. 13 pp.
221. Karney, R.C. 1981. Shellfish propagation on Martha's Vineyard. *Journal of Shellfish Research* 1(1): 117 (abstract).
222. Karney, R.C. 1984. Hatchery and field culture of the bay scallop on Martha's Vineyard. In: Capuzzo, J. (ed.). Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 6 (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
223. Kelley, K.M. 1981a. The Nantucket bay scallop fishery: trying to answer some of the questions. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 9-15.
224. Kelley, K.M. 1981b. Mass strandings of bay scallops on Nantucket and their subsequent survival. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 69-73.

225. Kelley, K.M. 1981c. Mortalities of bay scallops on Nantucket as the result of the 1981 freezeup. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 74-79.
226. Kelley, K.M. 1981d. Bay and sea scallops in Nantucket Sound and The Chord of The Bay. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 80-85.
227. Kelley, K.M. 1981e. Thinning of dense scallop beds. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 86-88.
228. Kelley, K.M. 1981f. The management of the Nantucket bay scallop resource. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 92-106.
229. Kelley, K. 1983. Here is an inexpensive yet effective spat collector. *National Fisherman* 63(11): 28.
230. Kelley, K.M. 1985a. Scallop aquaculture on Nantucket improves harvest. *New Alchemist Quarterly*, Spring 1985: 11.
231. Kelley, K.M. 1985b. An update on the management of the Nantucket bay scallop resource. Nantucket, MA: Shellfish and Marine Dept. 43 pp.
232. Kelley, K.M. (ed.). 1981. The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept. 108 pp.
233. Kelley, K. and M. Ceely. 1980. Studies of bay scallops, Argopecten irradians, on Nantucket, 1979-80 season. Nantucket, MA: Shellfish and Marine Dept. 13 pp.
234. Kelley, K.M. and C.F. Gieg, Jr. 1981. Adult scallop survival, spring through fall, on Nantucket. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 16-34.
235. Kelley, K.M. and M. Kirby. 1981. Codium fragile and its effect on the Nantucket bay scallop industry. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 35-39.

236. Kelley, K.M. and J.D. Sisson. 1981a. Setting preference of bay scallops, Argopecten irradians. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 40-42.
237. Kelley, K.M. and J.D. Sisson. 1981b. Seed sizes and their use in determining spawning and setting times of bay scallops on Nantucket. In: Kelley, K.M. (ed.). The Nantucket bay scallop fishery: the resource and its management. Nantucket, MA: Shellfish and Marine Dept.: 43-49.
238. Kelley, K.M. and J.D. Sisson. 1984. A simple spat collector for bay scallops, Argopecten irradians. In: Capuzzo, J. (ed.). Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 7 (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
239. Kellogg, J.L. 1892. A contribution to our knowledge of the morphology of lamellibranchiate mollusks. Bulletin of the U.S. Fish Commission for 1890, vol. 10: 389-436, 15 pls.
240. Kellogg, J.L. 1910. Shellfish industries. New York: Henry Holt & Co.
241. Kellogg, J.L. 1915. Ciliary mechanisms of lamellibranchs with descriptions of anatomy. Journal of Morphology 26(4): 625-701, 72 figs.
- 242.\* Kellogg, R.L. 1985. A bioeconomic model for determining the optimal timing of harvest with application to two North Carolina fisheries. Raleigh, NC: North Carolina State University. 297 pp. Dissertation.
243. Kellogg, R.L. and D. Spitsbergen. 1983. Predicative growth model for the meat weight (adductor muscle) of bay scallops in North Carolina. Raleigh, NC: North Carolina State University Sea Grant Working Paper No. 83-6. 37 pp., 1 appendix.
244. Kelly, R.E. and R.V. Rice. 1967. Abductin: a rubber-like protein from the internal triangular hinge ligament of Pecten. Science (Washington, DC) 155(3759): 208-210.
245. Kemprecos, P.W. 1977. Heavy scallop run in Cape Cod Bay dredged by armada of small craft. National Fisherman 57(10): 18-A.
246. Kendrick-Jones, J., C. Cohen, A.G. Szent-Györgyi and W. Longley. 1969. Paramyosin: molecular length and assembly. Science (Washington, DC) 163(3872): 1196-1198.

247. Kendrick-Jones, J., W. Lehman and A.G. Szent-Györgyi. 1970. Regulation in molluscan muscles. *Journal of Molecular Biology* 54(2): 313-326.
248. Kendrick-Jones, J., E.M. Szentkirályi and A.G. Szent-Györgyi. 1972. Myosin-linked regulatory systems: the role of the light chains. *Cold Spring Harbor Symposia on Quantitative Biology* 37: 47-53.
249. Kendrick-Jones, J., E.M. Szentkiralyi and A.G. Szent-Györgyi. 1976. Regulatory light chains in myosins. *Journal of Molecular Biology* 104(4): 747-775.
250. Kirby-Smith, W.W. 1969. Growth of the bay scallop Aequipecten irradians (Lamarck), as influenced by food concentration and temperature. *American Zoologist* 9(4): 1144-1145 (abstract No. 550).
251. Kirby-Smith, W.W. 1970. Growth of the scallops, Argopecten irradians concentricus (Say) and Argopecten gibbus (Linné), as influenced by food and temperature. Durham, NC: Duke University. 127 pp. Dissertation.
252. Kirby-Smith, W.W. 1972. Growth of the bay scallop: the influence of experimental water currents. *Journal of Experimental Marine Biology and Ecology* 8(1): 7-18.
253. Kirby-Smith, W.W. 1976. The detritus problem and the feeding and digestion of an estuarine organism: In: Wiley, M. (ed.). Estuarine processes: uses, stresses, and adaptation to the estuary. New York: Academic Press: 469-479. (Wiley, M.; Estuarine processes: uses, stresses, and adaptation to the estuary; vol. 1).
254. Kirby-Smith, W.W. and R.T. Barber. 1974. Suspension-feeding aquaculture systems: effects of phytoplankton concentration and temperature on growth of the bay scallop. *Aquaculture* 3(2): 135-145.
255. Kopinski, E. 1978. A partially annotated bibliography of commercially exploited scallops (Pectinidae, Rafinesque 1815). FAO Fisheries Circular No. 716. 158 pp.
256. Kraeuter, J., L. Adamkewicz, M. Castagna, R. Wall and R. Karney. 1984. Rib number and shell color in hybridized subspecies of the Atlantic bay scallop, Argopecten irradians. *The Nautilus* 98(1): 17-20. (Also cited as Virginia Institute of Marine Science Contribution No. 1157.)
257. Kraeuter, J.N., M. Castagna and R. van Dessel. 1982. Egg size and larval survival of Mercenaria mercenaria (L.) and Argopecten irradians (Lamarck). *Journal of Experimental Marine Biology and Ecology* 56(1): 3-8. (Also cited as Virginia Institute of Marine Science Contribution No. 986.)

- 258.\* Kruczynski, W.L. 1971. The relationship of the pea crab, Pinnotheres maculatus (Say) with the scallops Argopecten irradians concentricus (Say) and Argopecten gibbus (Linne). Chapel Hill, NC: University of North Carolina. 174 pp. Dissertation.
259. Kruczynski, W.L. 1972. The effect of the pea crab, Pinnotheres maculatus Say, on growth of the bay scallop, Argopecten irradians concentricus (Say). Chesapeake Science 13(3): 218-220.
260. Kruczynski, W.L. 1973. Distribution and abundance of Pinnotheres maculatus Say in Bogue Sound, North Carolina. Biological Bulletin (Woods Hole) 145(3): 482-491.
261. Kruczynski, W.L. 1975. A radioactive tracer study of food uptake by Pinnotheres maculatus in molluscan hosts. Biological Bulletin (Woods Hole) 148(1): 60-67.
- 262.\* Kruse, D.N. 1966. Life cycle studies on Nematopsis duorari n.sp. (Gregarina: Porosporidae), a parasite of the pink shrimp (Pennaeus duorarum) and pelecypod molluscs. Tallahassee, FL: Florida State University. 181 pp. Dissertation.
263. Krzeczkowski, R.A., R.D. Tenney and M.L. Hayes. 1972. Fatty acid content and proximate analysis of bay, calico, sea and weathervane scallop adductor muscle. Journal of Food Science 37(2): 300-301.
264. Lagally, H.R., T.C. Siewicki and G.N. Biddle. 1980. Influence of cadmium ingestion on bone mineralization in the rat. Nutrition Reports International 21(3): 365-373.
- 265.\* Lamarck, J.B.P.A. de M. 1819. Histoire naturelle des animaux sans vertèbres. Paris 6(1): 343 pp.
266. Lauckner, G. 1983. Diseases of Mollusca: Bivalvia. In: Kinne, O. (ed.). Diseases of marine animals. Hamburg: Biologische Anstalt Helgoland: 477-961. (Kinne, O.; Diseases of marine animals; vol. 2, chapt. 13).
267. Lavoie, R.E. 1986. The culture of molluscs in Canada - an overview. Paper presented at the international seminar on shellfish culture development and management; March 4-9, 1985; La Rochelle (France). (In press).
268. Le Pennec, M. and D. Prieur. 1977. Les antibiotiques dans les élevages de larves de bivalves marins. Aquaculture 12(1): 15-30. (English abstract).
269. Lee, P.C., J.R. Fisher and P.F. Ma. 1973. Immunochemical studies of adenosine deaminases from several vertebrates and a mollusc. Comparative Biochemistry and Physiology 46B(3): 483-486.

270. Lehman, W. 1983a. The ionic requirements for regulation by molluscan thin filaments. *Biochimica et Biophysica Acta* 745(1): 1-5.
271. Lehman, W. 1983b. The distribution of troponin-like proteins on thin filaments of the bay scallop, *Aequipecten irradians*. *Journal of Muscle Research and Cell Motility* 4(3): 379-389.
272. Lehman, W. and M. Ferrell. 1980. Phylogenetic diversity of troponin subunit-C amino acid composition. *FEBS Letters* 121(2): 273-274.
273. Lehman, W., J.F. Head and P.W. Grant. 1979. Troponin-like components of the bay scallop *Aequipecten irradians*. *Journal of General Physiology* 74(6): 9a (abstract No. 17).
274. Lehman, W., J.F. Head and P.W. Grant. 1980a. Troponin-like proteins in the scallop, *Aequipecten irradians*. *European Journal of Cell Biology* 22(1): 320 (abstract No. C953). (Also cited as *Federation Proceedings* 39(6): 1620 (abstract No. 104).)
275. Lehman, W., J.F. Head and P.W. Grant. 1980b. The stoichiometry and location of troponin I- and troponin C-like proteins in the myofibril of the bay scallop, *Aequipecten irradians*. *Biochemistry Journal* 187(2): 447-456.
276. Leibovitz, L. 1986. Abnormal mortalities apparently unrelated to known pathogenic agents. Paper presented at the international seminar on shellfish culture development and management; March 4-9, 1985; La Rochelle (France). (In press).
277. Leibovitz, L., E.F. Schott and R.C. Karney. 1984a. Diseases of wild, captive and cultured scallops. In: Capuzzo, J. (ed.). *Bay scallop fishery: problems and management: proceedings of a workshop*; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 8-9 (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
278. Leibovitz, L., E.F. Schott and R.C. Karney. 1984b. Diseases of wild, captive and cultured scallops. *Journal of the World Mariculture Society* 15: 269-283.
- 279.\* Leone, D. and E. Zuraw. 1970. Field studies of the Niantic River. Groton, CT: General Dynamics, Electric Boat Division Report No. U-413-70-012. 12 pp.
280. Levine, R., M. Elfvin, M. Dewey and G. de Villafranca. 1973. Paramyosin content and the structure of invertebrate muscle. *Journal of Cell Biology* 59(2): 192A (abstract No. 384).

281. Levine, R.J.C., M. Elfvin, M.M. Dewey and B. Walcott. 1976. Paramyosin in invertebrate muscles: II. Content in relation to structure and function. *Journal of Cell Biology* 71(1): 273-279.
282. Lichtenfels, J.R., J.W. Bier and P.A. Madden. 1978. Larval anisakid (*Sulcascaris*) nematodes from Atlantic molluscs with marine turtles as definitive hosts. *Transactions of the American Microscopical Society* 97(2): 199-207.
283. Linck, R.W. 1970. A biochemical comparison of ciliary and flagellar axonemes from the bay scallop, *Aequipecten irradians*. *Biological Bulletin (Woods Hole)* 139(2): 429 (abstract).
- 284.\* Linck, R.W. 1972. Comparative ultrastructure and biochemistry of cilia and flagella from the lamellibranch mollusc, *Aequipecten irradians*. Waltham, MA: Brandeis University. 165 pp. Dissertation.
285. Linck, R.W. 1973a. Comparative isolation of cilia and flagella from the lamellibranch mollusc, *Aequipecten irradians*. *Journal of Cell Science* 12(2): 345-367.
286. Linck, R.W. 1973b. Chemical and structural differences between cilia and flagella from the lamellibranch mollusc, *Aequipecten irradians*. *Journal of Cell Science* 12(3): 951-981.
287. Linton, E. 1915. Note on trematode sporocysts and cercariae in marine mollusks of the Woods Hole region. *Biological Bulletin (Woods Hole)* 28(4): 198-209. (Also cited as *Proceedings of U.S. National Museum* 46: 551-555.)
288. Loosanoff, V.L. and H.C. Davis. 1963. Rearing of bivalve mollusks. In: Russell, F.S. (ed.). *Advances in marine biology*. New York: Academic Press: 1-136, 43 figs. (Russell, F.S.; *Advances in marine biology*; vol. 1).
289. Loosanoff, V.L., H.C. Davis and P.E. Chanley. 1966. Dimensions and shapes of larvae of some marine bivalve mollusks. *Malacologia* 4(2): 351-435.
290. Ludel, J. 1974. Behavioral responses to visual stimulation in the scallop (*Aequipecten irradians*). *Florida Scientist* 37(2): 78-90.
291. Lutz, R., J. Goodsell, M. Castagna, S. Chapman, C. Newell, H. Hidu, R. Mann, D. Jablonski, V. Kennedy, S. Siddall, R. Goldberg, H. Beattie, C. Falmagne, A. Chestnut and A. Partridge. 1982. Preliminary observations on the usefulness of hinge structures for identification of bivalve larvae. *Journal of Shellfish Research* 2(1): 65-70.



292. Lyles, C.H. 1965. Fishery statistics of the United States, 1963. Washington, DC: U.S. Dept. Interior Statistical Digest No. 57. 522 pp.
293. Lyles, C.H. 1966. Fishery statistics of the United States, 1964. Washington, DC: U.S. Dept. Interior Statistical Digest No. 58. 541 pp.
294. Lyles, C.H. 1967. Fishery statistics of the United States, 1965. Washington, DC: U.S. Dept. Interior Statistical Digest No. 59. 756 pp.
295. Lyles, C.H. 1968. Fishery statistics of the United States, 1966. Washington, DC: U.S. Dept. Interior Statistical Digest No. 60. 679 pp.
296. Lyles, C.H. 1969a. Fishery statistics of the United States, 1967. Washington, DC: U.S. Dept. Interior Statistical Digest No. 61. 490 pp.
297. Lyles, C.H. 1969b. Historical catch statistics (shellfish). Washington, DC: U.S. Dept. Interior Current Fishery Statistics No. 5007, Historical Statistics No. 16. 116 pp.
298. Macfarlane, S.L. 1984. Scallops in Pleasant Bay, Orleans, Massachusetts: a question of large seed. In: Capuzzo, J. (ed.). Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 10 (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
299. Mackie, G.L. 1984. Bivalves. In: Tompa, A.S., N.H. Verdonk and J.A.M. van den Biggelaar (eds.). The Mollusca: reproduction. New York: Academic Press: 351-418. (Tompa, A.S.; Verdonk, N.H.; van den Biggelaar, J.A.M.; The Mollusca; vol. 7, chapt. 5).
300. Maine Commission on Sea and Shore Fisheries. 1920. The scallop industry. Orono, ME: State of Maine Commission on Sea and Shore Fisheries Biennial Report No. 2: 33-37.
- 301.\* Malone, P.G. 1969. Paleotemperature determinations from pelecypod skeletal carbonates from the Upper Pleistocene of the Atlantic coast. Cleveland, OH: Case Western Reserve University. 208 pp. Dissertation.
302. Mangum, C. and W. van Winkle. 1973. Responses of aquatic invertebrates to declining oxygen conditions. *American Zoologist* 13(2): 529-541.

303. Mann, R. and R.E. Taylor, Jr. 1977. Growth of the bay scallop, Argopecten irradians, in a waste recycling aquaculture system. In: Ryther, J.H. and R. Mann (eds.). Bivalve mollusc culture in a waste recycling aquaculture system. Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. WHOI-77-59. 11 pp. (Also cited as Woods Hole Oceanographic Institution Sea Grant Publication No. WHOI-T-77-004: 1-10.)
304. Mann, R. and R.E. Taylor, Jr. 1981. Growth of the bay scallop, Argopecten irradians, in a waste recycling aquaculture system. Aquaculture 24(1-2): 45-52. (Also cited as Woods Hole Oceanographic Institution Contribution No. 4677.)
305. Marsh, M.E. and R.L. Sass. 1981. Matrix-mineral relationships in the scallop hinge ligament. Journal of Ultrastructure Research 76(1): 57-70.
306. Marshall, N. 1947. An abundance of bay scallops in the absence of eelgrass. Ecology 28(3): 321-322.
307. Marshall, N. 1956. Studies of the Niantic River, Connecticut with special reference to the bay scallop, Pecten irradians. Report to the Waterford-East Lyme (CT) Escallop Commission. 37 pp., 2 appendices.
308. Marshall, N. 1960. Studies of the Niantic River, Connecticut with special reference to the bay scallop, Aequipecten irradians. Limnology and Oceanography 5(1): 86-105. (Also cited as University of Rhode Island, Narragansett Marine Laboratory Contribution No. 26.)
309. Marshall, N. 1963. Mortality rates and the life span of the bay scallop, Aequipecten irradians. Proceedings of the National Shellfisheries Association 54: 87-92. (Also cited as University of Rhode Island, Graduate School of Oceanography Contribution.)
310. Marshall, N. 1964. Bay scallops as vigorous living filters. Maritimes 8(2): 11-13.
311. Marshall, N. 1970. Food transfer through the lower trophic levels of the benthic environment. In: Steele, J.H. (ed.). Marine food chains. Edinburgh: Oliver & Boyd: 52-66.
312. Marshall, N. 1979. The unpredictable bay scallop. Maritimes 23(2): 12-14.
313. Marston, S. and W. Lehman. 1974. ADP binding to relaxed scallop myofibrils. Nature (London) 252(5478): 38-39.
314. Matthiessen, G.C. 1973. Commercial culture of oysters in New England. Proceedings of the Annual Meeting of the World Mariculture Society 3: 319-323.

315. Matthiessen, G.C. and R.C. Toner. 1966. Possible methods of improving the shellfish industry of Martha's Vineyard Duke's County, Massachusetts. Edgartown, MA: Marine Research Foundation, Inc. 138 pp.
- 316.\* Matthiessen, G.C. and R.C. Toner. 1974. A study of the marine resources of Barnstable County, Massachusetts. Edgartown, MA: Marine Research Foundation, Inc. 114 pp.
317. McClintock, J.B. 1983. Escape response of Argopecten irradians (Mollusca:Bivalvia) to Luidia clathrata and Echinaster sp. (Echinodermata:Asteroidea). Florida Scientist 46(2): 95-100.
318. McHugh, J.L. 1972. Marine fisheries of New York State. Fishery Bulletin 70(3): 585-610.
319. McHugh, J.L. 1977. Fisheries and fishery resources of New York Bight. Washington, DC: U.S. Dept. Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service Technical Report NMFS Circular 401. 50 pp.
320. McReynolds, J.S. and A.L.F. Gorman. 1970a. Photoreceptor potentials of opposite polarity in the eye of the scallop, Pecten irradians. Journal of General Physiology 56(3): 376-391.
321. McReynolds, J.S. and A.L.F. Gorman. 1970b. Membrane conductances and spectral sensitivities of Pecten photoreceptors. Journal of General Physiology 56(3): 392-406.
322. McReynolds, J.S. and A.L.F. Gorman. 1974. Ionic basis of hyperpolarizing receptor potential in scallop eye: increase in permeability to potassium ions. Science (Washington, DC) 183(4125): 658-659.
323. Mellon, DeF. 1968. Junctional physiology and motor nerve distribution in the fast adductor muscle of the scallop. Science (Washington, DC) 160(3831): 1018-1020.
324. Mellon, DeF., Jr. 1969. The reflex control of rhythmic motor output during swimming in the scallop. Zeitschrift fuer Vergleichende Physiologie 62(3): 318-336.
325. Mendelsohn, J.M., L.J. Ronsivalli, F.J. King, J.H. Carver, R.J. Learson, B.W. Spracklin and E.M. Kenyon. 1969. Opening oysters and other bivalves using microwave energy. Fishery Industrial Research 4(7): 241-248.
326. Menzel, R.W. 1956. Checklist of the marine fauna and flora of the St. George's Sound area. Tallahassee, FL: Florida State University, Oceanographic Institute Contribution No. 61. 134 pp.

327. Mercaldo, R.S. and E.W. Rhodes. 1982. Influence of reduced salinity on the Atlantic bay scallop Argopecten irradians (Lamarck) at various temperatures. Journal of Shellfish Research 2(2): 177-181.
328. Merrill, A.S. and H.S. Tubiash. 1970. Molluscan resources of the Atlantic and Gulf coast of the United States. In: Proceedings of the symposium on mollusca, pt. 3; Jan. 12-16, 1968; Cochin, India. Cochin, India: Marine Biological Association of India: 925-948 + 5 plates.
329. Middleton, K. 1983a. Bay scallop seed-release program could increase native stock levels. National Fisherman 63(11): 26-27.
330. Middleton, K.C. 1983b. Bay scallops: a mariculture species whose time has come. Aquaculture Magazine 9(6): 16-20.
331. Miller, M.M. 1973a. Shellfish situation and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-26. 51 pp.
332. Miller, M.M. 1973b. Shellfish market review and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-27. 66 pp.
333. Miller, M.M. 1973c. Shellfish market review and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-28. 31 pp.
334. Miller, M.M. 1974a. Shellfish market review and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-29. 53 pp.
335. Miller, M.M. 1974b. Shellfish market review and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-30. 47 pp.
336. Miller, M.M. 1974c. Shellfish market review and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-31. 46 pp.
337. Miller, W.H. 1958. Derivatives of cilia in the distal sense cells of the retina of Pecten. Journal of Biophysical and Biochemical Cytology 4(2): 227-228.
338. Mongiello, J.R. 1976. A study of factors influencing swimming responses of the scallop Aequipecten irradians in the presence of the predatory sea star Asterias forbesi. Bios 47(3): 99-109.
339. Moore, J.K. 1966. Biodeposition by the bay scallop, Aequipecten irradians. Kingston, RI: University of Rhode Island. 93 pp. Dissertation.

340. Moore, J.K. and N. Marshall. 1967a. The retention of lamelli-branch larvae in the Niantic estuary. *The Veliger* 10(1): 10-12.
341. Moore, J.K. and N. Marshall. 1967b. An analysis of the movements of the bay scallop, Aequipecten irradians, in a shallow estuary. *Proceedings of the National Shellfisheries Association* 57: 77-82.
342. Morgan, D.E., J. Goodsell, G.C. Matthiessen, J. Garey and P. Jacobson. 1980. Release of hatchery-reared bay scallops (Argopecten irradians) onto a shallow coastal bottom in Waterford, Connecticut. *Proceedings of the Annual Meeting of the World Mariculture Society* 11: 247-261.
343. Morrison, C. and G. Shum. 1982. Chlamydia-like organisms in the digestive diverticula of the bay scallop, Argopecten irradians (Lmk). *Journal of Fish Diseases* 5(3): 173-184.
344. Morrison, C. and G. Shum. 1983. Rickettsias in the kidney of the bay scallop, Argopecten irradians (Lamarck). *Journal of Fish Diseases* 6(6): 537-541.
345. Morse, M.P., W.E. Robinson, W.E. Wehling and S. Libby. 1981. A problem of giant seed: a preliminary study of the bay scallop Argopecten irradians in Pleasant Bay, Cape Cod. *Journal of Shellfish Research* 1(1): 119-120 (abstract).
346. Mottet, M.G. 1979. A review of the fishery biology and culture of scallops. Olympia, WA: Washington State Dept. of Fisheries Technical Report No. 39. 100 pp.
347. Nachmias, V.T. 1981. Hybrids of Physarum myosin light chains and desensitized scallop myofibrils. *Journal of Cell Biology* 90(2): 408-414.
348. Nelson, D.A., A. Calabrese and J.R. MacInnes. 1977. Mercury stress on juvenile bay scallops, Argopecten irradians, under various salinity-temperature regimes. *Marine Biology* 43(4): 293-297.
349. Nelson, D.A., A. Calabrese, B.A. Nelson, J.R. MacInnes and D.R. Wenzloff. 1976. Biological effects of heavy metals on juvenile bay scallops, Argopecten irradians, in short-term exposures. *Bulletin of Environmental Contamination and Toxicology* 16(3): 275-282.
350. Nunzi, M.G. and C. Franzini-Armstrong. 1981. The structure of smooth and striated portions of the adductor muscle of the valves in a scallop. *Journal of Ultrastructure Research* 76(2): 134-148.
351. Olson, G.E. and J.B. Rattner. 1975. Observations on the sub-structure of ciliary rootlets. *Journal of Ultrastructure Research* 51(3): 409-417.

352. Ordzie, C.J. and G.C. Garofalo. 1980a. Behavioral recognition of molluscan and echinoderm predators by the bay scallop, Argopecten irradians (Lamarck) at two temperatures. Journal of Experimental Marine Biology and Ecology 43(1): 29-37. (Also cited as Rhode Island Agricultural Experiment Station Contribution No. 1897.)
353. Ordzie, C.J. and G.C. Garofalo. 1980b. Predation, attack success, and attraction to the bay scallop, Argopecten irradians (Lamarck) by the oyster drill, Urosalpinx cinerea (Say). Journal of Experimental Marine Biology and Ecology 47(1): 95-100.
354. Ordzie, C.J. and G.C. Garofalo. 1981. Lethal and sublethal effects of short term acute doses of Kuwait crude oil and a dispersant Corexit 9527 on bay scallops, Argopecten irradians (Lamarck) and two predators at different temperatures. Marine Environmental Research 5(3): 195-210.
355. Outten, L.M. 1959. Observations on the spawning and early development of the common scallop, Pecten irradians. Journal of the Elisha Mitchell Scientific Society 75: 73 (abstract).
- 356.\* Palmer, R.E. 1980a. Behavioral and rhythmic aspects of filtration in the bay scallop, Argopecten irradians concentricus (Say), and the oyster, Crassostrea virginica (Gmelin). Newark, DE: University of Delaware. 119 pp. Dissertation.
357. Palmer, R.E. 1980b. Observations on shell deformities, ultrastructure, and increment formation in the bay scallop Argopecten irradians. Marine Biology 58(1): 15-23.
358. Palmer, R.E. 1980c. Behavioral and rhythmic aspects of filtration in the bay scallop, Argopecten irradians concentricus (Say), and the oyster, Crassostrea virginica (Gmelin). Journal of Experimental Marine Biology and Ecology 45(2-3): 273-295. (Also cited as University of Delaware, College of Marine Studies Contribution No. 143.)
359. Palmer, R.E. and L.G. Williams. 1980. Effect of particle concentration on filtration efficiency of the bay scallop Argopecten irradians and the oyster Crassostrea virginica. Ophelia 19(2): 163-174.
360. Parker, R.H. 1956. Macro-invertebrate assemblages as indicators of sedimentary environments in east Mississippi delta region. Bulletin of the American Association of Petroleum Geologists 40(2): 295-376, 32 figs., 8 pls. (Also cited as Scripps Institution of Oceanography Contribution No. 840.)

361. Parker, R.H. 1960. Ecology and distributional patterns of marine macro-invertebrates, northern Gulf of Mexico. In: Shepard, F.P., F.B. Phleger and T.H. van Andel (eds.). Recent sediments, northwest Gulf of Mexico: a symposium summarizing the results of work carried on in Project 51 of the American Petroleum Institute, 1951-1958. Tulsa, OK: American Association of Petroleum Geologists: 302-337.
362. Parker, R.H. 1975. The study of benthic communities: a model and a review. Amsterdam: Elsevier Scientific Publishing Co., Oceanography Series No. 9.
- 363.\* Pearse, A.S. 1936. Estuarine animals of Beaufort, North Carolina. Journal of the Elisha Mitchell Scientific Society 52: 174-222.
364. Peirson, W.M. 1983a. Physiological and biochemical factors influencing the nutritional value of phytoplankton as food for the bay scallop, Argopecten irradians concentricus (Say). Raleigh, NC: North Carolina State University. 98 pp. Dissertation.
365. Peirson, W.M. 1983b. Utilization of eight algal species by the bay scallop, Argopecten irradians concentricus (Say). Journal of Experimental Marine Biology and Ecology 68(1): 1-11.
366. Pendleton, J.A. 1963a. Antigen relationships of scallops. Kingston, RI: University of Rhode Island. 29 pp. Thesis.
367. Pendleton, J.A. 1963b. Serological studies on the bay scallop, Aequipecten irradians. Proceedings of the National Shellfisheries Association 54: 93-100. (Also cited as University of Rhode Island, Graduate School of Oceanography Contribution.)
368. Pesch, G.G. and N.E. Stewart. 1980. Cadmium toxicity to three species of estuarine invertebrates. Marine Environmental Research 3(2): 145-156.
369. Pesch, G., N. Stewart and C. Pesch. 1979. Copper toxicity to the bay scallop (Argopecten irradians). Bulletin of Environmental Contamination and Toxicology 23(6): 759-765.
370. Peters, J.A. 1977. Scallops: processing on land and sea. In: Hess, W.R., Jr. (ed.). Proceedings of the interstate seafood seminar; Oct. 4-7, 1977; Virginia Polytechnic Institute and State University, Blacksburg, VA. Blacksburg, VA: Virginia Polytechnic Institute and State University: 246-251. (Also cited as Virginia Polytechnic Institute Sea Grant Publication No. VPI-W-77-002.)
371. Peters, J.A. 1978. Scallops and their utilization. Marine Fisheries Review 40(11): 1-9. (MFR Paper 1352).

372. Peterson, C.H., W.G. Ambrose, Jr. and J.H. Hunt. 1982. A field test of the swimming response of the bay scallop (Argopecten irradians) to changing biological factors. Bulletin of Marine Science 32(4): 939-944.
373. Philpott, D.E., M. Kahlbrock and A.G. Szent-Györgyi. 1960. Filamentous organization of molluscan muscles. Journal of Ultrastructure Research 3(3): 254-269.
374. Pileggi, J. and B.G. Thompson. 1976. Fishery statistics of the United States, 1973. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 67. 458 pp.
375. Pileggi, J. and B.G. Thompson. 1979. Fisheries of the United States, 1978. Washington, DC: U.S. Dept. Commerce Current Fishery Statistics No. 7800. 120 pp.
376. Pileggi, J. and B.G. Thompson. 1980. Fisheries of the United States, 1979. Washington, DC: U.S. Dept. Commerce Current Fishery Statistics No. 8000. 131 pp.
377. Pileggi, J. and B.G. Thompson (preparers); T.I. Bell and D.S. Fitzgibbon (editors). 1978. Fishery statistics of the United States, 1975. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 69. 418 pp.
378. Pileggi, J. and B.G. Thompson (preparers); T.I. Bell and D.S. Fitzgibbon (editors). 1980. Fishery statistics of the United States, 1976. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 70. 419 pp.
379. Plaine, H.L. 1952. A variation in the distribution of a spionid polychaete in the Woods Hole region. Ecology 33(1): 121-123.
380. Porter, H.J. 1974. The North Carolina marine and estuarine mollusca--an atlas of occurrence. Morehead City, NC: University of North Carolina, Institute of Marine Science Sea Grant Reprint No. 47. 351 pp.
381. Porter, H.J. 1976. Spiral cord variation of Odostomia impressa (Say) and O. seminuda (C.B. Adams) family Pyramidellidae. Bulletin of the American Malacological Union 42: 38-41.
382. Porter, H.J. and J. Tyler. 1971. Sea shells common to North Carolina. Raleigh, NC: North Carolina Dept. of Natural Economic Resources, Information Series Booklet No. 2. 36 pp. (Also cited as North Carolina State University Sea Grant Publication No. UNC-SG-72-09.)
383. Power, E.A. 1958. Fishery statistics of the United States, 1956. Washington, DC: U.S. Dept. Interior Statistical Digest No. 43. 476 pp.



384. Power, E.A. 1959. Fishery statistics of the United States, 1957. Washington, DC: U.S. Dept. Interior Statistical Digest No. 44. 429 pp.
385. Power, E.A. 1960. Fishery statistics of the United States, 1958. Washington, DC: U.S. Dept. Interior Statistical Digest No. 49. 424 pp.
386. Power, E.A. 1961. Fishery statistics of the United States, 1959. Washington, DC: U.S. Dept. Interior Statistical Digest No. 51. 457 pp.
387. Power, E.A. 1962. Fishery statistics of the United States, 1960. Washington, DC: U.S. Dept. Interior Statistical Digest No. 53. 529 pp.
388. Power, E.A. 1963. Fishery statistics of the United States, 1961. Washington, DC: U.S. Dept. Interior Statistical Digest No. 54. 460 pp.
389. Power, E.A. and C.H. Lyles. 1964. Fishery statistics of the United States, 1962. Washington, DC: U.S. Dept. Interior Statistical Digest No. 56. 466 pp.
390. Pratt, H.W. 1979. Marine animals snare a meal in many ways. *Maritimes* 23(2): 1-4.
391. Price, T.J., G.W. Thayer, M.W. LaCroix and G.P. Montgomery. 1976. The organic content of shells and soft tissues of selected estuarine gastropods and pelecypods. *Proceedings of the National Shellfisheries Association* 65: 26-31.
392. Project Oceanology. 1981. Environmental factors which affect the size, and geographical distribution of Aequipecten irradians in the Niantic and Poquonock River estuaries. Report prepared under joint NSF-SSTP grant. 60 pp.
393. Pulley, T.B. 1952. A zoogeographic study based on the bivalves of the Gulf of Mexico. Boston, MA: Harvard University. 215 pp. Thesis.
394. Purchon, R.D. 1977. The biology of the Mollusca. 2d ed. Oxford: Pergamon Press.
395. Rapport, M.M. and N.F. Alonzo. 1960. The structure of plasmalogens: V. Lipids of marine invertebrates. *Journal of Biological Chemistry* 235(7): 1953-1956.
396. Read, K.R.H. 1964. Ecology and environmental physiology of some Puerto Rican bivalve molluscs and a comparison with boreal forms. *Caribbean Journal of Science* 4(4): 459-465.
397. Reed, C. and M.J. Greenberg. 1976. Scanning electron microscopy of junctional cilia in scallop gills. *American Zoologist* 16(2): 183 (abstract No. 29).

398. Reed-Miller, C. and M.J. Greenberg. 1982. The ciliary junctions of scallop gills: the effects of cytochalasins and concanavalin A. *Biological Bulletin (Woods Hole)* 163(1): 225-239.
399. Rehder, H.A. 1981. *The Audubon Society field guide to North American seashells*. New York: Alfred A. Knopf.
400. Rhodes, E.W. 1986. Aquaculture prospects for bay scallops. *Connecticut Currents*, Winter-Spring: 1.
401. Rhodes, E.W. and R. Goldberg. 1978. The use of pumped raceway systems for the intermediate grow-out of hatchery reared bivalves. *Proceedings of the National Shellfisheries Association* 68: 85 (abstract).
402. Rhodes, E.W., R. Goldberg and J.C. Widman. 1981. The role of raceways in mariculture systems for the bay scallop, Argopecten irradians irradians, and the surf clam, Spisula solidissima. In: Claus, C., N. de Pauw and E. Jaspers (eds.). *Nursery culturing of bivalve molluscs: proceedings of a workshop; Feb. 24-26, 1981; Ghent, Belgium: 227-251*. Bredenne, Belgium: European Mariculture Society Special Publication No. 7; 394 pp.
403. Rhodes, E.W. and J.C. Widman. 1980. Some aspects of the controlled production of the bay scallop (Argopecten irradians). *Proceedings of the World Mariculture Society* 11: 235-246.
404. Rhodes, E.W. and J.C. Widman. 1984a. Suspension culture methods for the bay scallop, Argopecten irradians irradians. *Proceedings of the National Shellfisheries Association* 76: 17 (abstract).
405. Rhodes, E.W. and J.C. Widman. 1984b. Density-dependent growth of the bay scallop, Argopecten irradians irradians, in suspension culture. Charlottenlund, Denmark: International Council for the Exploration of the Sea, C.M.1984/K:18. 8 pp.
406. Rhodes, E.W. and J.C. Widman. 1984c. Bay scallop research at the Milford Laboratory, Northeast Fisheries Center. In: Capuzzo, J. (ed.). *Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 11-12* (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
407. Rhodes, E.W., J.C. Widman and P. Boyd. 1981. Experimental evaluation of nursery and grow-out methods for the bay scallop, Argopecten irradians. Charlottenlund, Denmark: International Council for the Exploration of the Sea, C.M.1981/F:25. 14 pp.

408. Rhodes, E., J. Widman, and P. Boyd. 1982. Bay scallop mariculture--progress and prospects. U.S. Dept. Commerce, NOAA, National Marine Fisheries Services, Northeast Fisheries Center Newsletter, March-April 1982: 1-9.
409. Risser, J. 1901. Habits and life-history of the scallop (Pecten irradians). Providence, RI: State of Rhode Island and Providence Plantation Preliminary Report, 31st Annual Report to the Commissioner of Inland Fisheries: 47-55, 13 pls., 1 graph.
410. Robert, G. 1978. Biological assessment of the bay scallop (Argopecten irradians) for Maritime waters. Halifax, Nova Scotia: Dept. of Fisheries and Environment, Fisheries and Marine Service Technical Report (Canada) No. 778. 13 pp.
411. Roels, O.A., K.C. Haines and J.B. Sunderlin. 1975. The potential yield of artificial upwelling mariculture. In: Persoone, G. and E. Jaspers (eds.). Proceedings of the 10th European symposium on marine biology; Sept. 17-23, 1975; Ostend, Belgium. Bredene, Belgium: Institute for Marine Scientific Research: 381-390. (Also cited as Lamont-Doherty Geological Observatory Contribution No. 2320 and City University, Institute of Marine and Atmospheric Sciences Contribution No. 71.)
412. Russell, H.J., Jr. 1971. A scallop success story. Maritimes 15(1): 12-14.
413. Russell, H.J., Jr. 1973. An experimental seed bay scallop stocking of selected Rhode Island waters. Providence, RI: Rhode Island Dept. of Natural Resources, Division of Fish and Wildlife report. 82 pp.
414. Sanger, J.W. 1971. Sarcoplasmic reticulum in the cross-striated adductor muscle of the bay scallop, Aequipecten irradians. Zeitschrift fuer Zellforschung und Mikroskopische Anatomie 118(2): 156-161.
415. Sanger, J.W. and A.G. Szent-Györgyi. 1964. Band pattern changes in the striated adductor muscle of Pecten irradians. Biological Bulletin (Woods Hole) 127(2): 391 (abstract).
416. Sastry, A.N. 1961. Studies on the bay scallop, Aequipecten irradians concentricus Say, in Alligator Harbor, Florida. Tallahassee, FL: Florida State University. 118 pp. Dissertation.
417. Sastry, A.N. 1962. Some morphological and ecological differences in two closely related species of scallops, Aequipecten irradians Lamarck and Aequipecten gibbus Dall from the Gulf of Mexico. The Quarterly Journal of the Florida Academy of Sciences 25(2): 89-95. (Also cited as Florida State University, Oceanographic Institute Contribution No. 189.)

418. Sastry, A.N. 1963. Reproduction of the bay scallop, Aequipecten irradians Lamarck: influence of temperature on maturation and spawning. Biological Bulletin (Woods Hole) 125(1): 146-153. (Also cited as Florida State University, Oceanographic Institute Contribution No. 198.)
419. Sastry, A.N. 1965. The development and external morphology of pelagic larval and post-larval stages of the bay scallop, Aequipecten irradians concentricus Say, reared in the Laboratory. Bulletin of Marine Science 15(2): 417-435. (Also cited as Florida State University, Oceanographic Institute Contribution No. 205.)
420. Sastry, A.N. 1966a. Temperature effects in reproduction of the bay scallop, Aequipecten irradians Lamarck. Biological Bulletin (Woods Hole) 130(1): 118-134.
421. Sastry, A.N. 1966b. Variation in reproduction of latitudinally separated populations of two marine invertebrates. American Zoologist 6(1): 325-326 (abstract No. 149).
422. Sastry, A.N. 1967. On the geographic variation in a marine bivalve mollusc, Aequipecten irradians Lamarck from the Atlantic coast of North America. Advance Abstracts of Contributions on Fisheries and Aquatic Sciences in India 1(4): 43-44 (abstract No. 46).
423. Sastry, A.N. 1968a. The relationships among food, temperature, and gonad development of the bay scallops Aequipecten irradians Lamarck. Physiological Zoology 41(1): 44-53.
424. Sastry, A.N. 1968b. Environmental physiology of invertebrates. In: The Sea Grant Program at the University of Rhode Island, annual report for calendar year 1968. Kingston, RI: University of Rhode Island Sea Grant Publication No. RIU-Q-68-001: 10-13. (Also cited as University of Rhode Island Sea Grant Publication No. RIU-Q-68-018.)
425. Sastry, A.N. 1969. Culture of marine invertebrates under controlled conditions. In: The Sea Grant Program at the University of Rhode Island, annual report for calendar year 1969, vol. 2. Kingston, RI: University of Rhode Island Sea Grant Publication No. RIU-Q-69-001: 51-55. (Also cited as University of Rhode Island Sea Grant Publication No. RIU-Z-69-013: 59-62.)
426. Sastry, A.N. 1970a. Reproductive physiological variation in latitudinally separated populations of the bay scallop, Aequipecten irradians Lamarck. Biological Bulletin (Woods Hole) 138(1): 56-65.
427. Sastry, A.N. 1970b. Environmental regulation of oocyte growth in the bay scallop Aequipecten irradians Lamarck. Experientia 26(12): 1371-1372.

428. Sastry, A.N. 1975. Physiology and ecology of reproduction in marine invertebrates. In: Vernberg, F.J. (ed.). Physiological ecology of estuarine organisms. Columbia, SC: University of South Carolina Press, Belle W. Baruch Library in Marine Science No. 3: 279-299.
429. Sastry, A.N. 1979. Pelecypoda (excluding Ostreidae). In: Giese, A.C. and J.S. Pearse (eds.). Reproduction of marine invertebrates. New York: Academic Press: 113-292. (Giese, A.C.; Pearse, J.S.; Reproduction of marine invertebrates; chapt. 5).
430. Sastry, A.N. and N.J. Blake. 1971. Regulation of gonad development in the bay scallop, Aequipecten irradians Lamarck. Biological Bulletin (Woods Hole) 140(2): 274-283. (Also cited as University of Rhode Island Sea Grant Publication No. RIU-R-71-003.)
431. Sastry, A.N. and R. W. Menzel. 1962. Influence of hosts on the behavior of the commensal crab Pinnotheres maculatus Say. Biological Bulletin (Woods Hole) 123(2): 388-395. (Also cited as Florida State University, Oceanographic Institute Contribution No. 181.)
432. Sastry, A.N., H.M. Rines and J.G. Jones. 1982. Food requirements for artificial conditioning of the bay scallop Argopecten irradians Lamarck to maturity. Final report to U.S. Dept. Commerce, National Marine Fisheries Service, Milford, CT. 41 pp.
433. Schelske, C.L. 1973. Fallout <sup>54</sup>Mn accumulated by bay scallops Argopecten irradians (Lamarck) near Beaufort, North Carolina. In: Radioactive contamination of the marine environment: proceedings of a symposium on the interaction of radioactive contaminants with the constituents of the marine environment; July 10-14, 1972; Seattle, WA. Vienna, Austria: International Atomic Energy Agency, Report No. IAEA-SM-P158/20: 331-346. (Also cited as University of Michigan, Great Lakes Research Division Contribution No. 155.)
434. Schwind, P. 1981. The blue-eyed scallop. In: Sargent, W. (Sargent, Francis W., Jr.). Shallow waters: a year on Cape Cod's Pleasant Bay. Boston: Houghton-Mifflin Co.: 100-105.
435. Sellers, J.R., P.D. Chantler and A.G. Szent-Györgyi. 1980. Hybrid formation between scallop myofibrils and foreign regulatory light-chains. Journal of Molecular Biology 144(2): 223-245.

436. Shaw, W.N. 1974. Aquaculture of molluscs along the United States Atlantic and Gulf coasts. In: Shaw, W.N. (ed.). Proceedings of the First U.S.-Japan meeting on aquaculture; Oct. 18-19, 1971; Tokyo, Japan. Washington, DC: U.S. Dept. Commerce, NOAA Technical Report NMFS CIRC-388: 57-65.
437. Sidwell, V.D., J.C. Bonnet and E.G. Zook. 1973. Chemical and nutritive values of several fresh and canned finfish, crustaceans, and mollusks: I. Proximate composition, calcium, and phosphorus. *Marine Fisheries Review* 35(12): 16-19. (MFR Paper 1022).
438. Sidwell, V.D., P.R. Foncannon, N.S. Moore and J.C. Bonnet. 1974. Composition of the edible portion of raw (fresh or frozen) crustaceans, finfish, and mollusks: I. Protein, fat, moisture, ash, carbohydrate, energy value, and cholesterol. *Marine Fisheries Review* 36(3): 21-35. (MFR Paper 1043).
439. Sisson, J.D. 1981. Variability in growth of juvenile bay scallops (seed) at selected areas of Nantucket harbor, Nantucket Massachusetts. In: Kelley, K.M. (ed.). *The Nantucket bay scallop fishery: the resource and its management*. Nantucket, MA: Shellfish and Marine Dept.: 50-68.
440. Sisson, R.T. 1970. Occurrence of bay scallop seed in Rhode Island, 1970. Providence, RI: Rhode Island Dept. of Natural Resources, Division of Fish and Wildlife Information Leaflet No. 32. 4 pp.
441. Smith, G.S. 1972. Cape Cod towns attuned to call of Aphrodite's graceful vessel. *National Fisherman* 72(2): 1-C, 23-C.
442. Smith, M. 1941. East coast marine shells: descriptions of shore mollusks together with many living below tide mark, from Maine to Texas inclusive, especially Florida. Ann Arbor, MI: Edwards Brothers, Inc., 2d printing.
443. Smith, R.I. (compiler). 1964. Keys to marine invertebrates of the Woods Hole region. Woods Hole, MA: Marine Biological Laboratory Contribution No. 11.
- 444.\* Sommers, W., E. Zuraw, D. Leone and R. Benoit. 1969. Program plan for management of shellfisheries resources of the Niantic River. Groton, CT: General Dynamics, Electric Boat Division Report No. U-413-69-058. 19 pp.
445. Souza, G. 1984. Unusual scallop mortality in West Falmouth harbor. In: Capuzzo, J. (ed.). *Bay scallop fishery: problems and management: proceedings of a workshop*; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 13 (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.

446. Spagnolia, T. and L.A. Wilkens. 1979. Ultrastructure of the lateral lobe of the scallop parietovisceral ganglion. *American Zoologist* 19(3): 960 (abstract No. 541).
447. Spagnolia, T. and L.A. Wilkens. 1983. Neurobiology of the scallop: II. Structure of the parietovisceral ganglion lateral lobes in relation to afferent projections from the mantle eyes. *Marine Behaviour and Physiology* 10(1): 23-55.
- 448.\* Spitsbergen, D.L. 1977a. A study of the bay scallop (Argopecten irradians) in North Carolina waters. Morehead City, NC: North Carolina Dept. of Natural Resources and Community Development, Annual Progress Report on Project No. 2-256-R-1 to U.S. Dept. Commerce. 27 pp.
449. Spitsbergen, D.L. 1977b. A study of the bay scallop (Argopecten irradians) in North Carolina waters. Morehead City, NC: North Carolina Dept. of Natural Resources and Community Development, Annual Progress Report on Project No. 2-256-R-2 to U.S. Dept. Commerce. 22 pp.
450. Sprague, V. 1970. Some protozoan parasites and hyperparasites in marine bivalve molluscs. In: Snieszko, S.F. (ed.). A symposium on diseases of fish and shellfishes. Washington, DC: American Fisheries Society Special Publication No. 5: 511-526. (Also cited as University of Maryland, Natural Resources Institute Contribution No. 414.)
451. Stafford, W.F., III and A.G. Szent-Györgyi. 1978. Physical characterization of myosin light chains. *Biochemistry* 17(4): 607-614.
452. Stafford, W.F., III, E.M. Szentkiralyi and A.G. Szent-Györgyi. 1979. Regulatory properties of single-headed fragments of scallop myosin. *Biochemistry* 18(24): 5273-5280.
453. Stanley, S.M. 1973. Effects of competition on rates of evolution, with special reference to bivalve mollusks and mammals. *Systematic Zoology* 22(4): 486-506.
454. Stauffer, R.C. 1937. Changes in the invertebrate community of a lagoon after disappearance of the eel grass. *Ecology* 18(3): 427-431. (Also cited as Woods Hole Oceanographic Institution Contribution No. 134.)
455. Stephens, G.C. and R.A. Schinske. 1961. Uptake of amino acids by marine invertebrates. *Limnology and Oceanography* 6(2): 175-181.
456. Stephens, P.J. 1978. The sensitivity and control of the scallop mantle edge. *Journal of Experimental Biology* 75: 203-221.

457. Stephens, R.E. 1964. Ultraviolet microbeam studies of contraction in invertebrate striated muscles. *Biological Bulletin (Woods Hole)* 127(2): 391-392 (abstract).
458. Stephens, R.E. 1970. On the apparent homology of actin and tubulin. *Science (Washington, DC)* 168(3933): 845-847.
459. Stephens, R.E. 1975a. The basal apparatus: mass isolation from the molluscan ciliated gill epithelium and a preliminary characterization of striated rootlets. *Journal of Cell Biology* 64(2): 408-420.
460. Stephens, R.E. 1975b. Evidence for tubulin in ciliary but not flagellar membranes. *Journal of Cell Biology* 67(2, pt. 2): 418a (abstract No. 836).
461. Stephens, R.E. 1976. Biochemical aspects of microtubule structure. In: Perry, S.V., A. Margreth and R.S. Adelstain (eds.). Contractile systems in non-muscle tissues: proceedings of the international symposium; Sept. 19-22, 1976; Bressanone, Italy. Amsterdam: Elsevier/North Holland Biomedical Press: 241-254.
462. Stephens, R.E. 1977. Major membrane protein differences in cilia and flagella: evidence for a membrane-associated tubulin. *Biochemistry* 16(10): 2047-2058.
- 463.\* Stephens, R.E. 1979. Equimolar heterodimers in microtubules. *Journal of Cell Biology* 83(2, pt. 2): 351a (abstract).
464. Stephens, R.E. 1981. Chemical differences distinguish ciliary membrane and axonemal tubulins. *Biochemistry* 20(16): 4716-4723.
465. Stephens, R.E. 1982a. Equimolar heterodimers in microtubules. *Journal of Cell Biology* 94(2): 263-270.
466. Stephens, R.E. 1982b. Reconstitution of ciliary membranes containing tubulin. *Journal of Cell Biology* 95(2): 352a (abstract No. 17077).
467. Stephens, R.E. 1983. Reconstitution of ciliary membranes containing tubulin. *Journal of Cell Biology* 96(1): 68-75.
468. Stephens, R.E. 1985. Evidence for a tubulin-containing lipid-protein structural complex in ciliary membranes. *Journal of Cell Biology* 100(4): 1082-1090.
469. Stephens, R.E. and E.E. Levine. 1970. Some enzymatic properties of axonemes from the cilia of Pecten irradians. *Journal of Cell Biology* 46(2): 416-421.



470. Stephens, R.E. and R.W. Linck. 1969. A comparison of muscle actin and ciliary microtubule protein in the mollusk Pecten irradians. Journal of Molecular Biology 40(3): 497-501.
471. Stewart, L.L., P.J. Auster and R. Zajak. 1981. Investigation on the bay scallop, Argopecten irradians, in three eastern Connecticut estuaries, June 1980-May 1981. Final report to the U.S. Dept. Commerce, National Marine Fisheries Service, Milford, CT. 34 pp., 26 tables, 25 figs., 27 pls., 3 appendices.
472. Stommel, E., R. Stephens, R. Masure and J. Head. 1981. Specific localization of scallop gill epithelial calmodulin in the ciliary matrix. Biological Bulletin (Woods Hole) 161(2): 310 (abstract).
473. Stommel, E.W., R.E. Stephens, H.R. Masure and J.F. Head. 1982a. Specific localization of scallop gill epithelial calmodulin in cilia. Biophysical Journal 37(2): 283A (abstract).
474. Stommel, E.W., R.E. Stephens, H.R. Masure and J.F. Head. 1982b. Specific localization of scallop gill epithelial calmodulin in cilia. Journal of Cell Biology 92(3): 622-628.
475. Stone, R. and R. Palmer. 1975a. Effects of turbidity on the bay scallop, Argopecten irradians. American Zoologist 15(3): 816 (abstract No. 746). (Also cited as Northeastern University, Marine Science Institute Contribution No. 38.)
- 476.\* Stone, R.L. and R.E. Palmer. 1975b. A study of the effects of suspended particulate matter on some marine bottom-dwelling invertebrates. Nahant, MA: Marine Science Institute.
477. Sunderlin, J.B. 1976. Growth of shellfish in an artificial upwelling mariculture system. In: Valle, Juan Carlos (ed.). Proceedings of the international symposium on coastal upwelling; Nov. 18-19, 1975; Coquimbo, Chile. Coquimbo, Chile: Universidad del Norte, Centro de Investigaciones Submarinas: 25-42.
478. Surdi, R.W. 1972. Shellfish situation and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-25. 75 pp.
479. Surdi, R.W. and D.R. Whitaker. 1970a. Shellfish situation and outlook. Washington, DC: U.S. Dept. Interior Current Economic Analysis No. S-18. 39 pp.
480. Surdi, R.W. and D.R. Whitaker. 1970b. Shellfish situation and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-19. 36 pp.

481. Surdi, R.W. and D.R. Whitaker. 1971a. Shellfish situation and outlook: annual review. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-20. 39 pp.
482. Surdi, R.W. and D.R. Whitaker. 1971b. Shellfish situation and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-21. 28 pp.
483. Surdi, R.W. and D.R. Whitaker. 1971c. Shellfish situation and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-22. 39 pp.
484. Surdi, R.W. and D.R. Whitaker. 1971d. Shellfish situation and outlook. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-23. 31 pp.
485. Swan, W.H. 1979. Polyculture in privately owned tidal basins. In: Terry, O.W. and D.M. Chase (eds.). Mariculture in New York State: proceedings of a symposium; Oct. 22, 1977; Southampton College, Southampton, New York. Albany, NY: New York Sea Grant Institute Report No. NYSGI-RP-79-01: 82-85.
486. Szent-Györgyi, A.G., C. Cohen and J. Kendrick-Jones. 1971. Paramyosin and the filaments of molluscan "catch" muscles: II. Native filaments: isolation and characterization. *Journal of Molecular Biology* 56(2): 239-258.
487. Szent-Györgyi, A.G., W. Lehman and J. Kendrick-Jones. 1971. Actomyosin and regulation in molluscan muscles. *Biophysical Society Annual Meeting* 15: 234a (abstract No. ThAM-C10).
488. Szent-Györgyi, A.G. and R. Niebieski. 1982. Preparation of light chains from scallop myosin. *Methods in Enzymology* 85(1): 81-84.
489. Szent-Györgyi, A.G., E.M. Szentkiralyi and J. Kendrick-Jones. 1973. The light chains of scallop myosin as regulatory subunits. *Journal of Molecular Biology* 74(2): 179-203.
490. Tabarini, C.L. 1982. A partial bibliography of the bay scallop, Argopecten irradians Lamarck, 1960-1980. Orono, ME: University of Maine, Sea Grant College Program Report No. RF-MSG-82-5. 14 pp.
491. Tabarini, C.L. 1983a. Induced triploidy in the bay scallop Argopecten irradians and its effect on growth and gametogenesis. Orono, ME: University of Maine. 37 pp. Thesis.
492. Tabarini, C.L. 1983b. Induced triploidy in the bay scallop, Argopecten irradians, and its effect on growth and gametogenesis. *Aquaculture* 42(2): 151-160.

493. Tappel, A.L. 1960. Cytochromes of muscles of marine invertebrates. *Journal of Cellular and Comparative Physiology* 55(2): 111-126.
494. Taylor, R.E. 1981. Preliminary investigations of local populations of the bay scallop Argopecten irradians irradians Lamarck in Falmouth, Massachusetts. *Journal of Shellfish Research* 1(1): 124 (abstract).
495. Taylor, R.E. and J.M. Capuzzo. 1983. The reproductive cycle of the bay scallop, Argopecten irradians irradians (Lamarck), in a small coastal embayment on Cape Cod, Massachusetts. *Estuaries* 6(4): 431-435. (Also cited as Woods Hole Oceanographic Institution Contribution No. 4946.)
496. Tenore, K.R. and W.M. Dunstan. 1973. Growth comparisons of oysters, mussels and scallops cultivated on algae grown with artificial medium and treated sewage effluent. *Chesapeake Science* 14(1): 64-66. (Also cited as Woods Hole Oceanographic Institution Contribution No. 2870.)
497. Tettelbach, S.T. 1979. The combined effects of temperature and salinity on embryos and larvae of the northern bay scallop, Argopecten irradians irradians (Lamarck). Seattle, WA: University of Washington. 74 pp. Thesis.
498. Tettelbach, S.T. 1985. Temporal variability of crab predation on northern bay scallops, Argopecten irradians irradians. *Estuaries* 8(2B): 79A (abstract No. 205).
- 499.\* Tettelbach, S.T. 1986. Seasonality of factors responsible for mortality of the northern bay scallop. *Journal of Shellfish Research*. (In press).
500. Tettelbach, S.T., P.J. Auster, E.W. Rhodes and J.C. Widman. 1985. A mass mortality of northern bay scallops, Argopecten irradians irradians, following a severe spring rainstorm. *The Veliger* 27(4): 381-385. (Also cited as University of Connecticut, Marine Sciences Institute Contribution No. 168.)
- 501.\* Tettelbach, S.T. and S.Y. Feng. 1986. Intensity of crab predation on northern bay scallops Argopecten irradians irradians: effects of prey size and predator assemblages on seasonal patterns. *Journal of Shellfish Research*. (In press).
502. Tettelbach, S.T. and E.W. Rhodes. 1981. Combined effects of temperature and salinity on embryos and larvae of the northern bay scallop Argopecten irradians irradians. *Marine Biology* 63(3): 249-256.
503. Thayer, C.W. 1972. Adaptive features of swimming monomyarian bivalves (Mollusca). *Forma et Functio* 5(1): 1-32.

504. Thayer, G.W. and H.H. Stuart. 1974. The bay scallop makes its bed of seagrass. *Marine Fisheries Review* 36(7): 27-30. (MFR Paper 1073).
505. Theroux, R.B. and R.L. Wigley. 1983. Distribution and abundance of east coast bivalve mollusks based on specimens in the National Marine Fisheries Service Woods Hole collection. Washington, DC: U.S Dept. Commerce, NOAA Technical Report NMFS SSRF-768.
506. Thomas, F.B. and H.J. Porter. 1978. Water uptake in scallops: methods of analysis and influencing factors. Raleigh, NC: North Carolina Dept. of Natural and Economic Resources, Commissioner of Development Special Scientific Report No. 29. 33 pp.
507. Thomas, F.B., W.A.B. Thomson, F.F. Busta and J.B. Moore. 1966. A study of the quality of North Carolina scallops. Raleigh, NC: North Carolina Dept. of Conservation and Development Special Scientific Report No. 10. 26 pp.
508. Thompson, B.G. 1974. Fishery statistics of the United States, 1971. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 65. 424 pp.
509. Thompson, B.G. 1981. Fisheries of the United States, 1980. Washington, DC: U.S. Dept. Commerce Current Fishery Statistics No. 8100. 132 pp.
510. Thompson, B.G. 1982. Fisheries of the United States, 1981. Washington, DC: U.S. Dept. Commerce Current Fishery Statistics No. 8200. 131 pp.
511. Thompson, B.G. 1983. Fisheries of the United States, 1982. Washington, DC: U.S. Dept. Commerce Current Fishery Statistics No. 8300. 117 pp.
512. Thompson, B.G. 1984a. Fisheries of the United States, 1983. Washington, DC: U.S. Dept. Commerce Current Fishery Statistics No. 8320. 121 pp.
513. Thompson, B.G. 1984b. Fishery statistics of the United States, 1977. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 71. 407 pp.
514. Thompson, B.G. 1985. Fisheries of the United States, 1984. Washington, DC: U.S. Dept. Commerce Current Fishery Statistics No. 8360. 121 pp.
515. Thomson, W.A.B. and F.B. Thomas. 1966. Studies of the quality of the scallop adductor muscle. Raleigh NC: North Carolina Dept. of Conservation and Development Special Scientific Report No. 8. 17 pp.

516. Thornhill, D.P. 1971. Abductin: locus and spectral characteristics of a brown, fluorescent chromophore. *Biochemistry* 10(13): 2644-2649.
- 517.\* Toner, R.C. 1974. Food preference and feeding of the bay scallop, Aequipecten irradians Lamarck (1819). Boston, MA: Northeastern University. 100 pp. Dissertation.
- 518.\* Toner, R.C. 1975. The culture of phytoplankton for the feeding of the scallop Argopecten irradians irradians Lamarck (1819). Falmouth, MA: Marine Research, Inc. 48 pp.
519. Townshend, E.R. 1980. Preliminary tests of an ozone system for the disinfection of seawater effluent from a shellfish quarantine unit. *Ozone Science and Engineering* 2(1): 5-12.
520. Townshend, E.R. and J.M. Worms. 1983. Introduction of a new pectinid species Argopecten irradians irradians to the Gulf of St. Lawrence, Canada. Charlottenlund, Denmark: International Council for the Exploration of the Sea, C.M.1983/K:44. 8 pp., 2 figs.
521. Toyo-Oka, T. 1979. Effects of various concentrations of MgATP on the superprecipitation and ATPase activity of scallop striated muscle myosin B. *Journal of Biochemistry* 85(3): 871-877.
522. Trifone, R. 1985. Fascinating to watch, delightful to taste: scallop. *Long Island Sound Report* 2(2): 7, 10.
523. Tubiash, H.S. 1975. Bacterial pathogens associated with cultured bivalve mollusk larvae. In: Smith, W.L. and M.H. Chanley (eds.). *Culture of marine invertebrate animals: proceedings of the conference; Oct., 1972*; Greenport, NY. New York: Plenum Press: 61-71.
524. Tubiash, H.S. and P.E. Chanley. 1963. Bacterial necrosis of bivalve larvae. *Bacteriological Proceedings*: 164 (abstract No. RT16).
525. Tubiash, H.S., P.E. Chanley and E. Leifson. 1965. Bacillary necrosis, a disease of larval and juvenile bivalve mollusks: I. Etiology and epizootiology. *Journal of Bacteriology* 90(4): 1036-1044.
526. Turner, H.J., Jr. 1953a. Growth of molluscs in tanks. Boston, MA: Commonwealth of Massachusetts Dept. of Natural Resources, Division of Marine Fisheries Sixth Report on Investigations of the Shellfisheries of Massachusetts: 35-38.

527. Turner, H.J., Jr. 1953b. A review of the biology of some commercial molluscs of the east coast of North America. Boston, MA: Commonwealth of Massachusetts Dept. of Natural Resources, Division of Marine Fisheries Sixth Report on Investigations of the Shellfisheries of Massachusetts: 39-74.
528. Turner, H.J., Jr. 1957. Spawning and fertilization of the eggs of the bay scallop. Boston, MA: Commonwealth of Massachusetts Dept. of Natural Resources, Division of Marine Fisheries Report on Investigations of the Shellfisheries of Massachusetts for 1957: 15-16. (Also cited as Woods Hole Oceanographic Institution Reference No. 58-40.)
529. Turner, H.J., Jr. and J.E. Hanks. 1959. Infestation of Pecten irradians by Polydora. The Nautilus 72(4): 109-111. (Also cited as Woods Hole Oceanographic Institution Contribution No. 1002.)
530. Turner, H.J., Jr. and J.E. Hanks. 1960. Experimental stimulation of gametogenesis in Hydroides dianthus and Pecten irradians during the winter. Biological Bulletin (Woods Hole) 119(1): 145-152. (Also cited as Woods Hole Oceanographic Institution Contribution No. 1099.)
531. U.S. Dept. of Commerce. 1971. Fishery statistics of the United States, 1968. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 62. 578 pp.
532. U.S. Dept. of Commerce. 1972. Shellfish situation and outlook: annual review, 1971. Washington, DC: U.S. Dept. Commerce Current Economic Analysis No. S-24. 60 pp.
533. U.S. Dept. Commerce. 1973. Basic economic indicators: scallops, 1930-72. Washington, DC: U.S. Dept. Commerce Current Fisheries Statistics No. 6127. 35 pp.
534. U.S. Dept. of Interior. 1966-1969. Shellfish situation and outlook. Washington, DC: U.S. Dept. Interior Current Economic Analyses Nos. S-1 to S-15. Paging variable.
535. U.S. Dept. of Interior. 1969. Scallop meat and shell. Washington, DC: U.S. Dept. Interior, National Marketing Services Food Fish Facts No. 21. 2 pp.
536. Vale, R.D., A.G. Szent-Gyorgyi and M.P. Sheetz. 1984. Movement of scallop myosin on Nitella actin filaments: regulation by calcium. Proceedings of the National Academy of Sciences 81(21): 6775-6778.
537. van Dam, L. 1954. On the respiration in scallops (Lamellibranchiata). Biological Bulletin (Woods Hole) 107(2): 192-202. (Also cited as Woods Hole Oceanographic Institution Contribution No. 705).

538. Vernberg, F.J., C. Schlieper and D.E. Schneider. 1963. The influence of temperature and salinity on ciliary activity of excised gill tissue of molluscs from North Carolina. *Comparative Biochemistry and Physiology* 8: 271-285.
539. Verrill, A.E. 1873. Report upon the invertebrate animals of Vineyard Sound and the adjacent waters, with an account of the physical characters of the region. In: Baird, S.F. (ed.). Report on the condition of the sea fisheries of the south coast of New England in 1871 and 1872, pt. 1. Washington, DC: U.S. Commission of Fish and Fisheries: 295-778.
540. Verrill, A.E. 1900. A study of the family Pectinidae, with a revision of the genera and subgenera. *Transactions Connecticut Academy of Arts and Sciences* 1899, 10(1): 41-96, 6 pls.
541. Vogel, S. 1985. Flow-assisted shell reopening in swimming scallops. *Biological Bulletin (Woods Hole)* 169(3): 624-630.
542. Volk, J.H. (compiler); P. Provost (ed.). 1986. Connecticut aquaculture: findings and recommendations. Milford, CT: Connecticut State Dept. of Agriculture, Aquaculture Division Report. 26 pp., 3 appendices.
543. Wada, K. 1978. Chromosome karyotypes of three bivalves: the oysters, Isognomon alatus and Pinctada imbricata, and the bay scallop, Argopecten irradians irradians. *Biological Bulletin (Woods Hole)* 155(1): 235-245. (Also cited as National Pearl Research Laboratory [Kashikojima, Mie, Japan] Contribution No. 245.)
544. Wainwright, S.A. 1969. Stress and design in bivalved mollusc shell. *Nature (London)* 224(5221): 777-779.
545. Wall, J.R. and S.W. Wall. 1979. Population genetics of the bay scallop, Argopecten irradians: I. Geographic variation at the PGI and PGM-1 loci. Charlottenlund, Denmark: International Council for the Exploration of the Sea, C.M.1979/F:36. 56 pp.
546. Wall, J.R., S.W. Wall and M. Castagna. 1976. Enzymes polymorphisms and genetic variation in the bay scallop, Argopecten irradians. *Genetics* 83(3, pt. 1): s81 (abstract).
547. Waller, T.R. 1969. The evolution of the Argopecten gibbus stock (Mollusca:Bivalvia), with emphasis on the tertiary and quaternary species of eastern North America. *Journal of Paleontology* 43(5, supp. 2), *Paleontological Society Memoir* 3. 125 pp.

548. Waller, T.R. 1976. The development of the larval and early post-larval shell of the bay scallop, Argopecten irradians. Bulletin of the American Malacological Union, Inc. 42: 46 (abstract).
549. Waller, T.R. 1984. The ctenolium of scallop shells: functional morphology and evolution of a key family-level character in the Pectinacea (Mollusca:Bivalvia). Malacologia 25(1): 203-219.
550. Wallimann, T., P.M.D. Hardwicke and A.G. Szent-Györgyi. 1982. Regulatory and essential light-chain interactions in scallop myosin: II. Photochemical cross-linking of regulatory and essential light-chains by heterobifunctional reagents. Journal of Molecular Biology 156(1): 153-173.
551. Wallimann, T. and A.G. Szent-Györgyi. 1981a. An immunological approach to myosin light-chain function in thick filament linked regulation: I. Characterization, specificity, and cross-reactivity of anti-scallop myosin heavy- and light-chain antibodies by competitive, solid-phase radioimmunoassay. Biochemistry 20(5): 1176-1187.
552. Wallimann, T. and A.G. Szent-Györgyi. 1981b. An immunological approach to myosin light-chain function in thick filament linked regulation: II. Effects of anti-scallop myosin light-chain antibodies: possible regulatory role for the essential light chain. Biochemistry 20(5): 1188-1197.
553. Walsh, D. 1981. Limitations and potentials of bay scallop (Argopecten irradians) culture in New England. Journal of Shellfish Research 1(1): 125-126 (abstract).
554. Walsh, D. 1984. Scallop culture in the United States: a great potential that has yet to show its first success. In: Capuzzo, J. (ed.). Bay scallop fishery: problems and management: proceedings of a workshop; Oct. 28, 1983; Woods Hole Oceanographic Institution, Woods Hole, MA: 14-15 (abstract). Woods Hole, MA: Woods Hole Oceanographic Institution Technical Report No. 84-38.
- 555.\* Walsh, D.T., J.L. Madison, L.C. Vanderhoop, J. Jeffers, D. Luce and L. Fisk. 1978. The Wampanoag fisheries project: shellfish production improvement at Gay Head, Martha's Vineyard, Massachusetts. First Annual Report to U.S. Dept. Commerce, Economic Development Administration, Technical Assistance Grant No. 01-6-01369.
556. Walsh, D.T., J.L. Madison, L.C. Vanderhoop, G.L. Cook, J. Jeffers and D. Luce. 1979. The Wampanoag fisheries project: shellfish production improvement at Gay Head, Martha's Vineyard, Massachusetts. Second Annual Report to U.S. Dept. Commerce, Economic Development Administration, Technical Assistance Grant No. 01-6-01369-1. 60 pp., 3 appendices.



557. Ward, J. 1970. Rhode Island would return bay scallops. *National Fisherman* 50(4): 27-A.
- 558.\* Wass, M.L. 1963. Check list of the marine invertebrates of Virginia. Gloucester Point, VA: Virginia Institute of Marine Science Special Scientific Report No. 24 (revised). 56 pp.
559. Webb, N.B. and F.B. Thomas. 1968a. Quality control and operating manual for the scallop industry. Raleigh, NC: North Carolina Dept. of Conservation and Development, Project Report No. 2-8-R. 21 pp.
560. Webb, N.B. and F.B. Thomas. 1968b. A study of the quality of North Carolina scallops: III. An investigation of methods for the improvement of the quality and yield of scallop meat during processing. Raleigh, NC: North Carolina Dept. of Conservation and Development Special Scientific Report No. 16. 83 pp.
561. Webb, N.B. and F.B. Thomas. 1968c. A study of the quality of North Carolina scallops. Raleigh, NC: North Carolina Dept. of Conservation and Development, Final Project Report No. 2-8-R. 5 pp.
562. Webb, N.B. and F.B. Thomas. 1971. Influence of mechanical processing on the quality and yield of bay scallop meats. Washington, DC: U.S. Dept. Commerce, NOAA Special Scientific Report (Fisheries) No. 624. 11 pp. (Also cited as North Carolina State University Sea Grant Report No. NCU-R-71-006 and North Carolina State University, Agricultural Experiment Station Journal Series Paper No. 2871.)
563. Webb, N.B., F.B. Thomas, F.F. Busta and L.S. Kerr. 1972. Evaluation of scallop meat quality by the resazurin reduction technique. *Journal of Milk and Food Technology* 35(11): 664-668. (Also cited as North Carolina State University Experiment Station Journal Series Paper No. 3452.)
564. Webb, N.B., F.B. Thomas, F.F. Busta and R.J. Monroe. 1967. A study of the quality of North Carolina scallops. Raleigh, NC: North Carolina Dept. of Conservation and Development Special Scientific Report No. 12. 58 pp.
565. Webb, N.B., F.B. Thomas, F.F. Busta and R.J. Monroe. 1969. Variations in proximate composition of North Carolina scallop meats. *Journal of Food Science* 34(6): 471-474.
566. Webb, N.B., F.B. Thomas, R.E. Carawan and L.S. Kerr. 1969. The effects of processing on the quality of scallops, oysters and blue crabs. Raleigh, NC: North Carolina Dept. of Conservation and Development Special Scientific Report No. 19. 25 pp.

567. Webber, H.H. and P.F. Riordan. 1976. Criteria for candidate species for aquaculture. *Aquaculture* 7(2): 107-123.
568. Wells, C., K.E. Warriner and C.R. Bagshaw. 1985. Fluorescence studies on the nucleotide- and  $Ca^{2+}$ -binding domains of molluscan myosin. *Biochemical Journal* 231(1): 31-38.
569. Wells, W.F. 1927. Report of experimental shellfish station. Albany, NY: New York State Conservation Commission Annual Report No. 16: 113-130.
570. Wheeland, H.A. 1972a. Fishery statistics of the United States, 1969. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 63. 474 pp.
571. Wheeland, H.A. 1972b. Fishery statistics of the United States, 1970. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 64. 489 pp.
572. Wheeland, H.A. 1975. Fishery statistics of the United States, 1972. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 66. 517 pp.
573. Wheeler, A.P., P.L. Blackwelder and K.M. Wilbur. 1973. Isotopic measurement of growth in the scallop Argopecten irradians. *American Zoologist* 13(4): 1310 (abstract No. 268).
574. Wheeler, A.P., P.L. Blackwelder and K.M. Wilbur. 1975. Shell growth in the scallop Argopecten irradians: I. Isotope incorporation with reference to diurnal growth. *Biological Bulletin (Woods Hole)* 148(3): 472-482.
575. Wheeler, A.P. and K.M. Wilbur. 1977. Shell growth in the scallop Argopecten irradians (Say): II. Processes of shell growth. *Journal of Molluscan Studies* 43(2): 155-161.
576. Whitaker, D.R. and R.W. Surdi. 1970a. Shellfish situation and outlook. Washington, DC: U.S. Dept. Interior Current Economic Analysis No. S-16. 47 pp.
577. Whitaker, D.R. and R.W. Surdi. 1970b. Shellfish situation and outlook. Washington, DC: U.S. Dept. Interior Current Economic Analysis No. S-17. 31 pp.
578. Wicksten, M.K. 1976. Argopecten irradians (Bivalvia:Pectinidae) in San Francisco Bay, California. *The Veliger* 18(4): 418 (abstract).
579. Widman, J.C., E.W. Rhodes and P.A. Boyd. 1983. Nursery culture of the bay scallop Argopecten irradians irradians (Lamarck) in suspended mesh enclosures. *Journal of Shellfish Research* 3(1): 104 (abstract).

580. Wilbur, K.M. 1964. Shell formation and regeneration. In: Wilbur, K.M. and C.M. Yonge (eds.). Physiology of Mollusca. London: Academic Press: 243-282. (Wilbur, K.M.; Yonge, C.M.; Physiology of Mollusca; vol. 1, chapt. 8).
581. Wilkens, L.A. and T. Spagnolia. 1979. Projections of optic fibers in the parietovisceral ganglion of the scallop: a light microscope autoradiographic study. American Zoologist 19(3): 961 (abstract No. 542).
582. Winter, J.E. 1977. Suspension-feeding in lamellibranchiate bivalves, with particular reference to aquaculture. Medio Ambiente 3(1): 48-69.
583. Winter, J.E. 1978. A review on the knowledge of suspension-feeding in lamellibranchiate bivalves, with special reference to artificial aquaculture systems. Aquaculture 13(1): 1-33.
584. Winter, M.A. 1982. The swimming response of the bay scallop Argopecten irradians. Pensacola, FL: University of West Florida. 49 pp. Thesis.
585. Winter, M.A. and P.V. Hamilton. 1985. Factors influencing swimming in bay scallops, Argopecten irradians (Lamarck, 1819). Journal of Experimental Marine Biology and Ecology 88(3): 227-242.
586. Wise, J.P. and B.G. Thompson (preparers); T.I. Bell and D.S. Fitzgibbon (editors). 1977. Fishery statistics of the United States, 1974. Washington, DC: U.S. Dept. Commerce Statistical Digest No. 68. 424 pp.
587. Wolfe, D.A. 1967. Molluscs in radiobiology and radioecology. Bulletin of the North Carolina Shell Club 4: 20-23.
588. Wolfe, D.A. and T.R. Rice. 1972. Cycling of elements in estuaries. Fishery Bulletin 70(3): 959-972.
589. Wrenn, S.L. 1972. Daily increment formation and synchronization in the shell of the bay scallop. American Zoologist 12(3): xxxii (abstract No. 305).
590. Wright, D.A., V.S. Kennedy, W.H. Roosenburg, M. Castagna and J.A. Mihursky. 1983. Temperature tolerance of embryos and larvae of five bivalve species under simulated power plant entrainment conditions: a synthesis. Marine Biology 77(3): 271-278. (Also cited as University of Maryland, Center for Environmental and Estuarine Studies Contribution No. 1442.)

591. Wright, D.A., W.H. Roosenburg and M. Castagna. 1984. Thermal tolerance in embryos and larvae of the bay scallop Argopecten irradians under simulated power plant entrainment conditions. Marine Ecology Progress Series 14(2-3): 269-273. (Also cited as University of Maryland, Center for Environmental and Estuarine Studies Contribution No. 1448.)
- 592.\* Yeater, L.W. 1966. Studies of the ecology of the commensal crab Pinnotheres maculatus Say. Tallahassee, FL: Florida State University. 66 pp. Thesis.
593. Zacchea, D. 1975. A study of bay scallop growth during fall, winter and spring in heated salt water, Apr. 1, 1970-Mar. 31, 1974. Albany, NY: New York State Dept. of Environmental Conservation, Division of Marine and Coastal Resources Completion Report No. 3-101-R. 8 pp. + 14 tables.
594. Zacchea, D. 1976. Rehabilitation of bay scallop fishery of Long Island, New York. Albany, NY: New York State Dept. of Environmental Conservation, Division of Marine and Coastal Resources Completion Report No. 3-211-R. 5 pp., 21 figs.
595. Zarogian, G.E. and M. Johnson. 1983. Copper accumulation in the bay scallop, Argopecten irradians. Archives of Environmental Contamination and Toxicology 12(2): 127-133.
596. Zuraw, E.A. and D.E. Leone. 1971. Status of the Niantic estuary for supporting a scallop fishery. Groton, CT: General Dynamics, Electric Boat Division Report No. U-412-71-078. 61 pp., 1 appendix.

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INDEXED BIBLIOGRAPHY OF THE BAY SCALLOP, Argopecten irradians

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- Akberali, H.B. and E.R. Trueman. 1985. Effects of environmental stress on marine bivalve molluscs. In: Blaxter, J.H.S. et al. (eds.). Advances in marine biology. New York: Academic Press: 101-198, 39 figs., 7 tables. (Blaxter, J.H.S. et al.; Advances in marine biology; vol. 22).
- Anon. 1986. Bay scallop reseeded update. On The Water (newsletter of the Cornell Cooperative Extension Service, Suffolk County Sea Grant Program) 1(2): 4.
- Anon. 1986. Bay scallops transplanted. On The Water (newsletter of the Cornell Cooperative Extension Service, Suffolk County Sea Grant Program) 1(2): 4.
- Barber, B.J. and N.J. Blake. 1986. Reproductive effort and cost in the bay scallop, Argopecten irradians concentricus. International Journal of Invertebrate Reproduction and Development 10(1): 51-57.
- Briceij, V.M., J.A. Epp and R.E. Malouf. 1985. Growth and reproduction of bay scallops: a comparison between two sites in eastern Long Island. National Shellfisheries Association Abstracts of the 77th Annual Meeting, Norfolk, VA, June 17-20, 1985: 9.
- Bricelj, V.M., J. Epp and R.E. Malouf. 1987. Intraspecific variation in reproductive and somatic growth cycles of bay scallops Argopecten irradians. Marine Ecology--Progress Series 36(1): 123-127.
- Brock, V., V.S. Kennedy and A. Brock. 1986. Temperature dependency of carbohydrase activity in the hepatopancreas of thirteen estuarine and coastal bivalve species from the North American east coast. Journal of Experimental Marine Biology and Ecology 103(1): 87-101.
- Cake, E.W., Jr. 1985. Status of molluscan shellfisheries in the northern Gulf of Mexico. National Shellfisheries Association Abstracts of the 77th Annual Meeting, Norfolk, VA, June 17-20, 1985: 24.
- Chin, C.P. and W.R. Ellington. 1986. Control of glycolysis during contractile activity in the phasic adductor muscle of the bay scallop, Argopecten irradians concentricus: identification of potential sites of regulation and a consideration of the control of octopine dehydrogenase activity. Physiological Zoology 59(5): 563-573.





- Chin, C.P. and W.R. Ellington. 1986. The role of glycogen phosphorylase in the control of glycolysis during contractile activity in the phasic adductor muscle of the bay scallop, Argopecten irradians concentricus. Physiological Zoology 59(6): 696-705.
- Eckman, J.E. 1987. The role of eelgrass hydrodynamics in recruitment, growth, and survival of Argopecten irradians (L.) and Anomia simplex (D'Orbigny) within eelgrass meadows. Journal of Experimental Marine Biology and Ecology 106(2): 165-192.
- Graham, R.A., W.R. Ellington and C.P. Chin. 1986. A saturation transfer phosphorus nuclear magnetic resonance study of arginine phosphokinase in the muscle of a marine mollusc. Biochimica et Biophysica Acta 887(2): 157-163.
- Hanks, J.E. 1986. Molluscan shellfish culture in the United States--a perspective. Paper presented at the international seminar on shellfish culture development and management; March 4-9, 1985; La Rochelle (France). (In press).
- Ingersoll, E. 1887. The oyster, scallop, clam, mussel and abalone industries. Washington, D.C.: U.S. Commission of Fish and Fisheries, The Fishery Industry of the United States, v. 2, sect.5, pt. 20.
- Lucas, A. 1986. Development strategy for bivalve hatcheries. Paper presented at the international seminar on shellfish culture development and management; March 4-9, 1985; La Rochelle (France). (In press.).
- MacFarlane, S.L. 1985. There's never enough--shellfish management in Orleans, Massachusetts. National Shellfisheries Association Abstracts of the 77th Annual Meeting, Norfolk, VA, June 17-20, 1985: 12.
- Rhodes, E.W. 1986. Aquaculture prospects for bay scallops. Connecticut Currents (newsletter of the University of Connecticut Cooperative Extension Service): 1.
- Rhodes, E.W., J.C. Widman and L.R. Dubois. 1985. Relative value of various bivalve culture strategies. National Shellfisheries Association Abstracts of the 77th Annual Meeting, Norfolk, VA, June 17-20, 1985: 17.
- Rines, H.M. 1985. Effects of biochemical composition of algal diets on growth and metabolism, of juvenile bay scallops, Argopecten irradians (Lamarck). Narragansett, RI: University of Rhode Island. 182 p. Dissertation.



- Stevens, F.S., J.J. Manzi, R.L. Walker and R.A. Kraus. 1985. Growth of overwintering northern shellfish in mariculture ponds and estuarine systems in the southeast. National Shellfisheries Association Abstracts of the 77th Annual Meeting, Norfolk, VA, June 17-20, 1985: 16.
- Tettelbach, S.T. 1986. Dynamics of crustacean predation on the northern bay scallop, Argopecten irradians irradians. Storrs, CT: University of Connecticut. 243 p. Dissertation.
- Tettelbach, S.T. and S.Y. Feng. 1985. Intensity of crab predation of northern bay scallops, Argopecten irradians irradians: effects of prey size and predator assemblages on seasonal patterns. National Shellfisheries Association Abstracts of the 77th Annual Meeting, Norfolk, VA, June 17-20, 1985: 28.
- Thompson, B.G. 1987. Fisheries of the United States, 1986. Washington, D.C.: U.S. Dept. Commerce Current Fishery Statistics No. 8385. 119 p.
- U.S. Dept. Commerce. 1987. NOAA involvement in Long Island Sound. Washington, D.C.: U.S. Dept. Commerce, NOAA Estuarine Programs Office: 12-13.
- Zhang, F., Y. He, X. Liu and J. Ma. 1986. On the introduction of spat-rearing and experimental culture of bay scallop, Argopecten irradians (Lamarck). Aquaculture 57(1-4): 378-379.





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