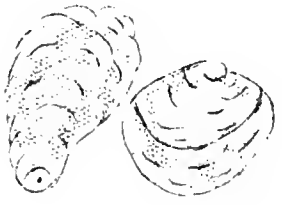
NATIONAL SHELLFISHERIES ASSOCIATION

TITLES OF PAPERS PRESENTED
AT ANNUAL MEETINGS
1930 — 1957

NATIONAL SHELLFISHERIES ASSOCIATION



Titles of Papers Presented at Annual Meetings from 1930 to 1957

Meetings of the National Shellfisheries Association and its parent, the National Association of Shellfish Commissioners, have served as forums for discussion of new knowledge on shellfisheries of the American coasts. At annual meetings, biologists, industry members, food technologists, and public health officials have exchanged information on biology of shellfish, control of enemies, harvesting crops, marketing products, and other topics.

For many years reports were distributed in mimeographed form to the members of the Association. Since 1950 convention addresses have been edited more thoroughly and issued as "Proceedings of the National Shellfisheries Association". Proceedings are now duplicated by the zerox process, many libraries throughout the world are sent free copies, and reprints are available to authors.

The present list includes titles of papers given at conventions since 1930. A complete set of these papers, many of which are not generally available, is held by the Association. Some discussions of very local or temporary value are not listed here. It is planned that this entire set will be microfilmed. The list of titles is reproduced for three purposes:

1. To provide information on the scope and quantity of reports given in past years.

2. To provide a bibliography for use of members and libraries.

3. To aid interested parties in obtaining copies of papers through microfilms or other means.

It is possible that papers were presented which are not among our files. If you know of additions which could be loaned to the Association for microfilming, please notify L. Eugene Cronin, Chesapeake Biological Laboratory, Solomons, Maryland.

NATIONAL SHELLFISHERIES ASSOCIATION

1930 PAPERS

RADCLIFFE, LEWIS. Progress of the oyster industry. 4 p.
PRYTHERCH, H. F. The role of copper in controlling the setting and distribution of oysters. (Abstract) 1 p.
HOPKINS, A. E. The effect of sulphite pulp mill waste liquor on oysters. 8 p.
NELSON, THURLOW C. A preliminary report on the study of oyster larvae as a guide to shelling operations. (Abstract) 1 p.
PALMER, LOUISE. Report of an investigation for the control and elimination of starfish on oyster beds. 5 p.
DAVIS, DONALD W. How the college can aid the oyster industries. (Abstract) 1 p.
LEMON, J. M. Factors affecting the market for fresh oysters. (Abstract) 2 p.

1931 PAPERS

NOTE: Our records contain about 252 typed pages as minutes of the Annual Meeting. Several technical papers were included in the minutes on pages indicated parenthetically. All other titles represent papers which are appended as separates after the minutes.

MOSES, ROBERT. Future uses of tidal waters in the United States. (pp. 1-14)
DIPMAN, C. W. Present trends in food industries. (pp. 23-39)
RAYE, W. H. Merchandising must keep pace with production. 7 p.
GALTSOFF, P. S. Importation and acclimatization of foreign species of oysters in the United States. 3 p.
NELSON, J. Trapping the oyster drill. (pp. 71-76)
PALMER, LOUISE. Combating enemies of the oyster. (pp. 77-87)
TRUITT, R. V. Maryland's new marine laboratory. (pp. 92-97)
LOOSANOFF, V. L. Biological aspects of the oyster situation in Virginia. 6 p.
PRYTHERCH, H. F. Further studies of the setting of oysters and their application in the South Atlantic. (pp. 99-109)
PERKINS, EARL. Reaction to oyster larvae to currents. (pp. 109-119)
LEVINE, HAROLD. The nutritive value of the oyster. 7 p.
JOHNSON, TREAT B. The interest of the chemist in life processes. 7 p.
DODGSON, R. W. Water storage and treatment for certification: Results on mussels and oysters. (pp. 141-173)
WRIGHT, EDWARD. Shellfish purification by chlorine in Massachusetts. 6 p.
FISHER, L. M. Soft clam purification studies. (pp. 175-183)
SOMMERS, H. Mussel poisoning on the Pacific Coast. 10 p.
EYRE, JOHN. Methods of bacteriological studies of oysters. (pp. 184-193)
DOWD, J. E. Standard methods of shellfish examination (discussion of the paper of Dr. Eyre). 6 p.
YONGE, C. M. Physiological activities of oysters, especially those associated with feeding and digestion. (pp. 201-228)
NEEDLER, A.W.H., YONGE, C. M., DODGSON, R. M., GALTSOFF, PAUL, PRYTHERCH, H. F., and PEASE, H. D. (Round Table Discussion) Reversal of sexes in oysters and their possible effects upon modern oyster culture methods. (pp. 230-250)
PIERCE, ANNE. The philosophy of the oyster. 6 p.
TRESSLER, DONALD K. Some opportunities for technological research in the oyster industry. 9 p.

1931 Papers (Continued):

RESEARCH COMMITTEE OF THE OYSTER GROWERS AND DEALERS ASSOCIATION. Preliminary notes on some of the researches and exhibits of the Research Committee - mimeographed summary including discussion of varying lengths on the following topics:

1. Special investigation on possible effects of periodic exposures of adult stock from eight separate areas of Atlantic Coast and Gulf of Mexico waters.
2. Studies of conditions of spawning of oysters in Connecticut waters.
3. Controlled cultivation of embryos from spawning oysters.
4. Exhibits and researches respecting the controlled development of larvae.
5. Sources larval nutrition.
6. Controlled development of spat.
7. Nutritional values of oysters.

1932 PAPERS

NOTE: Our records contain about 262 typed pages of the Proceedings of the Joint Convention. Some technical papers are included which are listed below along with their pagination.

NELSON, THURLOW C. Oyster culture in some European countries. (pp. 86-100)
PRYTHERCH, HERBERT. Remarks on opening oysters. (pp. 106-109)
KOEHRING, V. New methods of opening oysters and improving their condition for market. (pp. 109-128)
PRYTHERCH, HERBERT. Microphoto studies of spawning development of larva and setting of oysters (comment accompanying movie film). (pp. 130-142)
PEASE, HERBERT D. Summary of nutritional investigations (with discussion). (pp. 159-193)
FOWLER, JOSEPH. What New Jersey oystermen are doing to meet the economic situation. (pp. 246-251)

1934 PAPERS

SWEET, GORDON. Has the oyster industry a future? 10 p.
HORNER, D. J. National advertising - The retailers' guide. 5 p.
ARMSTRONG, M. C. My responsibility. 5 p.
RADCLIFFE, LEWIS. The oyster industry moves forward. 12 p.
FIEDLER, R. H. The purpose of this code. 5 p.
BEACH, HOWARD W. Purpose of this meeting. 12 p.
BASS, A. G. Necessity of knowing your costs. 4 p.
GALTSOFF, PAUL S. New observations on the spawning of the oyster. 5 p.
TARBETT, R. E. Some factors to consider in the development of the process of conditioning shellfish for market purposes. 7 p.
GLANCY, JOSEPH B. Conditioning of oysters for market. 5 p.
REMINGTON, ROE E. The oyster as a source of iodine in diet. 7 p.
COULSON, E. JACK. Oysters in anemia. 8 p.
PEASE, H. D. History repeats itself. 6 p.

1935 PAPERS

RADCLIFFE, LEWIS. The industry and the Association. 7 p.
DUNBAR, P. B. Better oysters for the consumer. 9 p.
FETROW, WARD W. Organization procedure and some operating problems of Farmers Cooperative Marketing Association. 14 p.
STOLK, WILLIAM C. Where the can companies fit into the picture. 3 p.
McCORKLE, GEORGE. Trade practice conferences. 4 p.
GOTT, PHILIP P. Trade associations aid business management. 12 p.
SWEET, H. GORDON. Why hold a convention? 9 p.
NELSON, T. C. Driving the drum fish from New Jersey waters. (Abstract) 2 p.

1936 PAPERS

RADCLIFFE, LEWIS. The oyster industry organizes for progress and profit. 8 p.
NELSON, J. RICHARDS. Opportunities for cooperative marketing of oysters. (Synopsis) 3 p.
SALTER. L. C. Fisheries Bureau's assistance in cooperative marketing. 11 p.
McCABE, W. W. The Production Credit Association. 3 p.
ARMSTRONG, R. Development of Virginia's oyster resources. (Abstract) 3 p.
GREENE, L. A. Selling more consumers more oysters. 5 p.
PERRY, C. A. Need for improved standards for scoring oysters. 10 p.
JACKSON, CHARLES E. New trends in the oyster industry. 9 p.
NELSON, THURLOW C. Oyster drill control in New Jersey. 5 p.
GALTSOFF, P. S. Methods of eradication of starfish. 6 p.
PRYTHERCH, H. F. The oyster drill problem in Virginia and the South Atlantic Region. (Abstract) 2 p.
PEARSE, A. S. Oyster leeches. (Abstract) 1 p.
REMINGTON, ROE E. Seafood as seafood. (Paper included in the Minutes of the Annual Meeting, pp. 1-6.)

1937 PAPERS

TAYLOR, HARDEN F. Diet, oysters and other things. 7 p.
TRESSLER, DONALD K. The freezing preservation of oysters. 5 p.
GLANCY, JOSEPH B. Standards of quality -- The producers viewpoint. 3 p.
MARSH, DOROTHY B. Expansion of market demand -- The consumers viewpoint. 6 p.
PENNOCK, NETA. What the Oyster Growers Institute can do in the field of education. 5 p.
FISHER, L. M. Protecting the cleanliness of shellfish from producer to consumer. 3 p.
MESSER, RICHARD and REECE, GEORGE M. Progress in oyster conditioning. 3 p.
LOOSANOFF, VICTOR L. Starfish problems. 4 p.
BELL, FRANK T. Oyster investigations of the Bureau of Fisheries. 2 p.
SWEET, H. GORDON. Cooperation. 2 p.
RADCLIFFE, LEWIS. Your investment in the Institute. 6 p.

1938 PAPERS

LOOSANOFF, VICTOR L. Chemical method of starfish control. 3 p.
FLOWER, H. BUTLER. Uses of the suction dredge and "Stardust". 4 p.

1938 Papers (Continued):

GIBBS, CAPT. HAROLD N. Plankton studies of Narragansett Bay, R. I. 3 p.
STAUBER, LESLIE. Oyster drill control in Delaware Bay. 3 p.
LEMON, J. M. An investigation of the quality of oysters. 4 p.
NELSON, THURLOW C. Discussion of paper by J. M. Lemon. 2 p.
RADCLIFFE, LEWIS. What the oyster industry is doing for you. 7 p.
SWEET, GORDON. What's wrong with the oyster industry - As viewed by a packer. 2 p.
SHEEHAN, JERE F. What's wrong with the oyster industry - As viewed by a distributor. 4 p.
PAYNE, A. H. What's wrong with the oyster industry - As viewed by a cooperative. 8 p.
GLANCY, JOSEPH B. Improving standards of quality - The packer's viewpoint. 3 p.
HEWARD, HARRY. Improving standards of quality - The distributor's viewpoint. 2 p.
TEITGEN, JEAN B. How to interest the homemakers in oysters. 2 p.

1939 PAPERS

EDDY, WALTER H. What the woman consumer expects of shellfish. 2 p.
KIEF, RAY J. Merchandising oysters in the Cape Cod Room, Hotel Lexington, N. Y. 3 p.
REYNOLDS, H. I. What should the packer do to increase oyster consumption. 4 p.
PIERCE, ANNE. Increasing oyster sales - The food editor's viewpoint. 7 p.
LEMON, J. M. and ORTENZIO, LOUIS F. An investigation of the quality of oysters. 7 p.
STAUBER, LESLIE A. Graphic representation of salinities over oyster growing areas. 2 p.
NEWCOMBE, C. L. Variations in growth characteristics of the soft shelled clam, *Mya arenaria* L., from widely separated regions. 3 p.
GALTSOFF, PAUL S. New problems of propagation of the oyster. 3 p.
NELSON, THURLOW C. Studies of the water flow through oysters and some practical applications thereof. 5 p.
LOOSANOFF, V. L. Further studies of the chemical control of starfish. 5 p.

1940 PAPERS

PUNCOCHAR, J. F., JR., BALDWIN, W. H., JR., and POTTINGER, S. R. Technological studies on commercially shucked oysters. 8 p.
FLOWER, H. BUTLER. Experiences with lime in limiting destructiveness of starfish. 3 p.
STAUBER, L. A. and NELSON, T. C. Some observations on *Polydora ligni* Webster, a polychate worm on the oyster beds of Delaware Bay, New Jersey. 5 p.
PRYTHERCH, HERBERT F. Shellfish investigations - Beaufort, N. C. laboratory experiments in oyster culture. 3 p.
LOOSANOFF, V. L. Seasonal gonadal changes of adult oysters in Long Island Sound. 2 p.
LOOSANOFF, V. L. Review of the starfish situation in Long Island Sound. 2 p.
BIDWELL, MILTON H. A review of bacteriological shellfish scoring. 8 p.
PERRY, C. A. Comments on Mr. Bidwell's paper, "A review of bacteriological shellfish scoring. 3 p.
SANDHOLZER, LESLIE A. Methods suitable for the bacteriological examination of shellfish and sea water. (Abstract) 1 p.

1940 Papers (Continued):

STAUBER, LESLIE A. Relation of valve closure to heart beat in the American oyster. 2 p.
SMITH, R. O. Experimental oyster farming in South Carolina. 2 p.
NELSON, J. RICHARDS. Tray culture of oysters in the York River, Virginia. 3 p.
ENGLE, JAMES B. The oyster drills of Long Island Sound. 2 p.

1941 PAPERS

JACKSON, CHARLES E. Biological and technological aid to the shellfisheries. 4 p.
HOPKINS, A. E. Effects on oysters of changes in the salinity of the water. 5 p.
SMITH, ROBERT O. Progress in experimental oyster culture in South Carolina. 3 p.
BEAVEN, G. FRANCIS. Shell planting operations in Maryland. 4 p.
LOOSANOFF, VICTOR L. Observations on oysters and starfish in Long Island Sound in 1941. 3 p.
NELSON, THURLOW C. and STAUBER, LESLIE A. Further observation on the mud worm, Polydora ligni Webster, on the oyster beds of Delaware Bay. 4 p.
ENGLE, JAMES B. Further observations on the oyster drills of Long Island Sound with reference to the chemical control of embryoes. 3 p.
STAUBER, LESLIE A. Survival of the oyster drill in waters of low salinity. 3 p.
NEWCOMBE, CURTIS L. The cultivation of mussels in Virginia. 2 p.
FISHER, L. M. Progress in shellfish sanitation. 4 p.
MAHAFFEY, J. LYNN. Notes on methods of shellfish control in New Jersey. 3 p.
MAIER, F. J. Present status of shellfish cleansing and conditioning processes. 4 p.

1942 PAPERS

GALTSOFF, PAUL S. Problems of productivity of oyster bottoms. 6 p.
STAUBER, LESLIE A. The oyster crab, Pinnotheres ostreum, another pest of the oyster. 4 p.
KELLY, CORNELIUS B., JR. A study of the relation between agar plate counts and sanitation in oyster shucking plants. 4 p.
RICE, S. E. The shellfisheries of Florida. 4 p.
OLD, MARCUS C. The boring sponges and their effect on shellfish culture. 3 p.
ENGLE, JAMES B. An improved method of spreading lime over starfish infected oyster bottoms. 4 p.
LOOSANOFF, VICTOR L. New methods for cultivation of the edible mussel, M. edulis. 5 p.
SANDHOLZER, LESLIE A. A preliminary report on laboratory methods for the sanitary evaluation of shellfish. 4 p.
NELSON, THURLOW C. On the role of diatoms in the fattening of oysters. 4 p.

1943 PAPERS

GALTSOFF, PAUL S. Increasing the production of oysters and other shellfish in the United States. 14 p.
NELSON, THURLOW C. How New Jersey plans for more oysters. 2 p.
WARFIELD, EDWIN, JR. Increasing production of oysters in Maryland. 3 p.
McCONNELL, J. N. Louisiana's shellfish prospects. 2 p.

1943 Papers (Continued):

GUNTER, GORDON. Problems of oyster production in Texas. 2 p.
BEAVEN, G. FRANCIS. Shellfish program of the Chesapeake Biological Laboratory. 3 p.
NEWCOMBE, CURTIS L. Shellfish research program of the Virginia Fisheries Laboratory. 2 p.
LOOSANOFF, V. L. Utilization of edible mussels. 6 p.
GIBBS, HAROLD N. Black quahaugs. 1 p.
LEE, C. F., and LEMON, J. M. Progress of studies of utilization of starfish. 3 p.
WOODRUFF, COL. FRANK H. Sanitary conditions at oyster plants to meet Army requirements. 3 p.
PERRY, C. A. Standard methods of the American Public Health Association for the bacteriological examination of shellfish. 2 p.

1944 PAPERS

FREY, DAVID G. Oyster conservation problems on the Potomac River. 3 p.
ENGLE, JAMES B. Alabama program of rehabilitation. 3 p.
GALTSOFF, PAUL S. Problems of rehabilitation of Chesapeake Bay oyster resources. 3 p.
LOOSANOFF, V. L. and ENGLE, JAMES B. Feeding and fattening of oysters. 7 p.
MORSE, DOROTHY CLUM. Some observations on the food and feeding of oysters in Chesapeake Bay. 3 p.
GLANCY, JOSEPH B. Observations on the fattening of oysters in Great South Bay, New York. 9 p.
NELSON, THURLOW C. and CHESTNUT, A. F. Some observations on the transplantation of two weeks old set and of older oysters. 3 p.
HAMMANN, CHARLES G. Pollution and the shellfish industry. 3 p.
SANDHOLZER, LESLIE A. The bacteriology laboratory - A tool of the progressive oysterman. 3 p.

1946 PAPERS

TAYLOR, HARDEN F. The future of the fisheries industry. 8 p.
LARSEN, SPENCER A. The practicability of shipping oysters and other fishery products by air. 9 p.
LANHAM, W. B. Newer developments in shipping containers used in air shipments of oysters and other fishery products. 4 p.
YOUNG, LEO. The future of frozen packaged oysters. 4 p.
NELSON, J. RICHARDS. Experiments and improvements in the mechanical dredging and handling of oysters. 3 p.
WOODFIELD, ALBERT W. How can oyster sales be maintained when meats again become plentiful? 4 p.
GANNON, FRANCES FOLEY. Increasing consumers' interest in oysters. 2 p.
LEMON, J. M. Results of recent researches on the food value and bacteriology of oysters. 5 p.
BYRD, G. CLIFFORD. Control of plant sanitation by industry. 3 p.
NELSON, THURLOW C. On the need for developing new strains of oysters through selective breeding of domestic stock, cross breeding with other species and the introduction of species from other areas. 7 p.
HOPKINS, A. E. Observations of Japanese oyster culture in the State of Washington. 4 p.
LOOSANOFF, VICTOR L. Growth of oysters of different ages in Milford Harbor. 10 p.

1946 Papers (Continued):

CHESTNUT, A. F. Some observations on the feeding of oysters with especial reference to the tide. 6 p.
CARRIKER, MELBOURNE R. A brief critical survey of the evidence for the horizontal movements of oyster larvae. 5 p.
McCONNELL, JAMES N. Louisiana's oyster management program. 5 p.
BEAVEN, G. FRANCIS. Effect of Susquehanna River stream flow on Chesapeake Bay salinities and history of past oyster mortalities on upper Bay bars. 4 p.
ENGLE, JAMES B. Commercial aspects of the upper Chesapeake Bay oyster bars in light of the recent oyster mortalities. 5 p.
NEWCOMBE, CURTIS L. How can we profit by the U. S. Food and Drug Administration hearings. 3 p.
HANSEN, P. ARNE. Bacteriological observations on oyster grounds of the Hampton Roads area. 4 p.

1947 PAPERS

JAMES, MILTON C. Collaboration by the FWS with the oyster industry. 7 p.
McCUTCHEON, GILBERT S. Labor relations problems of the oyster industry. 9 p.
ALPHEN, J. L. Advertising plan of National Fisheries Institute. 6 p.
KERR, ROSE G. Publicizing oysters through medium of a new oyster publication with new educational sound motion pictures: Home cookery of fish and filleting and packaging of fish. 5 p.
POTTINGER, S. R. Packaging of frozen oysters. 5 p.
STAMM, PAUL. Some of the problems of the oyster industry. 1 p.
GLANCY, J. B. Improvements in quality control in plant operation. 3 p.
NELSON, THURLOW C. The pros and cons of introducing foreign shellfish. 3 p.
COMMITTEE REPORT (Appointed by Dr. Radcliffe for the Ass'n). On the importation of foreign shellfish. 2 p.
HEYDECKER, WAYNE D. Interstate Fisheries Commissions and their relation to sanitation. 5 p.
CHIPMAN, WALTER A., JR. Seasonal changes in the fattening of oysters. 5 p.
McCONNELL, JAMES N. Formation of the Gulf States Marine Fisheries Commission. 3 p.
BAUGHMAN, J. L. Texas rehabilitating oyster grounds. 4 p.
HAMMER, RALPH C. Present status of the Chesapeake Bay oyster bars in Maryland. 3 p.
BEAVEN, G. FRANCIS. Observations on fouling of shells in the Chesapeake Bay. 5 p.
ENGLE, JAMES B. Distribution of setting guides the Maryland oyster program. 5 p.
OWEN, H. MALCOLM. Observations on oyster drills: Chromosomes of *Urosalpinx cinereus*, Say. (Abstract) 1 p.
GALTSOFF, PAUL S. Respiration in oysters. 7 p.
LOOSANOFF, VICTOR L. Effects of turbidity on feeding of oysters. 5 p.
STAUBER, LESLIE A. On possible physiological species in the oyster, *Ostrea virginica*. 5 p.
SIELING, FRED W. Effects of pollution at Baltimore on pH and oxygen content of water. 5 p.

1948 PAPERS

CHESTNUT, A. F. Late summer and early fall spawning of oysters and its relation to sets of commercial value. 4 p.
ANDREWS, JAY D. The 1947 oyster strike in the James River. 6 p.
DAVIS, HARRY C. Some observations on the spawning of oysters and rearing of oyster larvae throughout the year. 6 p.

1948 Papers (Continued):

KORRINGA, P. The rearing of oyster larvae in ponds and tanks, its problems, its prospects. 5 p.
BUTLER, PHILIP A. Effects of flood conditions on the production of spawn in the oyster. 4 p.
KORRINGA, P. Spatfall prediction in Holland. 4 p.
KORRINGA, P. Shell disease in Ostrea edulis - Its dangers, its cause, its control. 9 p.

1949 PAPERS

NELSON, THURLOW C. What can science offer the oyster grower. 9 p.
SOLLERS, ALLAN A. Varying characteristics of oyster bottom. 4 p.
LOOSANOFF, VICTOR L. Variations in intensity of setting of oysters in Long Island Sound. 11 p.
INGLE, ROBERT M. Plans and progress of oyster investigations in Florida. 3 p.
SIELING, FRED W. Intensity and distribution of oyster set in Chesapeake Bay and tributaries. 4 p.
DAVIS, HARRY C. On the culture of oyster larvae in the laboratory. 6 p.
CHESTNUT, A. F. The oyster industry of North Carolina and some of its problems. 4 p.
BEAVEN, G. FRANCIS. Growth observations of oysters held on trays at Solomons Island, Maryland. 7 p.
GLUDE, JOHN B. Fish and Wildlife Service clam investigations. 8 p.
LOOSANOFF, VICTOR L. and DAVIS, HARRY C. The spawning of quahaugs in winter and culture of their larvae in the laboratory. 9 p.
HASKIN, HAROLD H. Growth studies in the quahaugs, Venus mercenaria. 9 p.
TURNER, HARRY J., JR. Practical problems of the propagation of the soft shell clam, Mya arenaria. 2 p.
BIDWELL, M. M. and KELLY, C. B. A study of duck farm pollution of a shellfish area. 8 p.
CARRIKER, MELBOURNE R. Preliminary observations on the predation of commercial shellfish by conchs. 7 p.
CHIPMAN, WALTER A., JR. and GALTSOFF, PAUL S. Toxic effects of oil mixed with carbonized sand on aquatic animals. 7 p.

1950 PAPERS

GALTSOFF, P. S., McCONNELL, J. N., and WALLACE, DAVID H. Introduction of non-indigenous species of oysters. (Committee Report) 4 p.
NELSON, THURLOW C. On the functions of the mantle, gills, and palps in feeding of the oyster with especial reference to their operation in turbid waters. 10 p.
CHESTNUT, A. F. Studies on the digestive system of the oyster. 5 p.
INGLE, ROBERT M. and DAWSON, CHARLES E., JR. Variation in salinity and its relation to the Florida oyster. Part I: Salinity variations in Apalachicola Bay. 4 p.
ENGLE, JAMES B. The condition of oysters as measured by the carbohydrate cycle, the condition factor and the per cent dry weight. 6 p.
KELLY, C. B. Shellfish sanitation research program. 5 p.
SMITH, OSGOOD R. Observations on soft clam mortalities in Massachusetts. 3 p.
STRINGER, LOUIS D. The hard clam (quahaug) program. 4 p.
WELCH, WALTER R. Observations on the life history of the sea scallop and its fishery in Maine. 4 p.

1950 Papers (Continued):

DUMONT, WILLIAM H. Report on various tests on bottoms for oyster planting. 8 p.
BAKER, B. B. A brief report on the Texas oyster investigation. 3 p.
BEAVEN, G. FRANCIS. Recent observations on the season and pattern of oyster setting in the middle Chesapeake area. 7 p.
SIELING, FRED W. Influence of seasoning and position of oyster shells on oyster setting. 5 p.
HASKIN, HAROLD H. The selection of food by the common oyster drill, Urosalpinx cinerea, Say. 7 p.
CARRIKER, MELBOURNE R. Some recent investigations on native bivalve larvae in New Jersey estuaries. 6 p.
LOOSANOFF, V. L., MILLER, W. S. and SMITH, P. B. Growth and setting of larvae of Venus mercenaria in relation to temperature. 23 p.

1951 PAPERS

ARCISZ, WILLIAM, WATTIE, ELSIE and DALLAS, JAMES L. Seasonal variations of coliforms and enterococci in a closed shellfish area. 11 p.
INGLE, ROBERT M. Notes on growth of Thais haemastoma floridana and Thais (Stramonita) rustica. 3 p.
DOW, ROBERT L. and WALLACE, DANA E. A method of reducing winter mortalities of Venus mercenaria in Maine waters. 7 p.
MACKIN, J. G. Incidence of infection of oysters by Dermocystidium in the Barataria Bay area of Louisiana. 14 p.
OWEN, H. MALCOLM and WALTERS, LESTER L. A report on the interrelationship between the growth and mortality of oysters. (Abstract) 1 p.
SMITH, OSGOOD R. and CHIN, EDWARD. The effects of predation on soft clams, Mya arenaria. 8 p.
MARAK, ROBERT R. Variations in sizes and rate of growth of Lamellibranch larvae of the same parents. (Abstract) 1 p.
GUNTER, GORDON. The Bonnet Carre Spillway and the oyster beds of Mississippi Sound. 1 p.
GLUDE, JOHN B. and LANDERS, WARREN S. Biological effects of bullraking vs. power dredging on a population of hard shell clams, Venus mercenaria. 23 p.
ENGLE, JAMES B. and CHAPMAN, CHARLES R. Oyster condition affected by attached mussels. 9 p.
LUETH, FRANCIS X. Some factors influencing steam yields of oysters. 6 p.
CHESTNUT, A. F. Studies of the North Carolina clam industry. 4 p.
SPEAR, HARLAN S. A soft clam population census in Sagadahoc Bay, Maine, 1949-1950-1951. 15 p.

1952 PAPERS

DOW, ROBERT L. Shellfish survey methods. 8 p.
RAY, SAMMY M. A culture technique for the diagnosis of infection with Dermocystidium marinum in oysters. 5 p.
MACKIN, J. G. and CAUTHRON, FRED F. Effect of heavy infestations of Polydora websteri Hartman on Crassostrea virginica (Gmelin) in Louisiana. 11 p.
SPRAGUE, VICTOR. Species of Nemotopsis in Ostrea virginica. (Abstract) 1 p.
SPRAGUE, VICTOR and ORR, P. E. Studies on Nematopsis. III. N. ostrearum and N. prytherchi with special reference to host-parasite relation. 18 p.

1952 Papers (Continued):

FLOWER, FRANKLIN B. and McDERMOTT, JOHN J. Observations on the occurrence of the oyster crab, Pinnotheres ostreum, as related to oyster damage in Delaware Bay. 3 p.

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