



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Chapters, Books, and Proceedings

Bruce, D.G., M.B. Ogburn, J.V. Lazar, K. Heggie. 2025. Fish community response to two subtidal oyster restoration methods in the mesohaline Chesapeake Bay. NOAA Technical Memorandum NMFS-OHC-14. 46 pp.

Lazar, J., R.L. Vogel, D.G. **Bruce**, and A. McGowan. 2022. Using satellite-derived total suspended matter data to evaluate the impacts of tributary-scale oyster restoration on water clarity. NOAA Technical Memorandum NMFS-OHC-10. 19 pp.

Bruce, D.G., J.C. Cornwell, L. Harris, T.F. Ihde, M.L. Kellogg, S. Knoche, R.N. Lipcius, R.N. McCulloch-Prosser, S.P. McIninch, M.B. Ogburn, and R.D. Seitz. 2021. A synopsis of research on the ecosystem services provided by large-scale oyster restoration in the Chesapeake Bay. NOAA Technical Memorandum NMFS-OHC-8. 52 pp.

Meyer, R., E. Meyer, L. Sievanen, and A. **Freitag.** 2017. Chapter 7: Using citizen science to inform ocean and coastal resource management. *In: H. Ballard and J. Cigliano (eds.), Citizen Science for Coastal and Marine Conservation, Taylor & Francis.*

Trtanj, J., L. Jantarasami, J. Brunkard. T. Collier, J. **Jacobs**, E. Lipp, S. McLellan, S. Moore, H. Paerl, J. Ravenscroft. M. Sengco, and J. Thurston. 2016. Chapter 6: Climate Impacts on Water-Related Illnes.. *In: The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment. U.S. Global Change Research Program, Washington, D.C. Pp. 157-188.*

Brown, C., D. Green, J. **Jacobs**, D. Schwab, R. **Wood**, and T. Wynne. 2012. Towards operational forecasting of environmental health at NOAA. *In: S. Morain (ed.), Environmental Tracking for Public Health Surveillance, CRC Press, London, Pp. 345-359-8.*

Cooperative Oxford Laboratory. 2011. Chesapeake Bay Ecosystem Assessment Program. *In: A.L. Mason, D. Apeti, and D. Whitall (eds.), NCCOS Research Highlights in the Chesapeake Bay, Silver Spring, MD. Pp. 7-12.*

Jacobs, J.M., M. Rhodes, A.K. Leight, and R. Wood. 2011. Chesapeake Bay pathogen monitoring program: Predicting the distribution of *V. vulnificus* in Chesapeake Bay. *In: A.L. Mason, D. Apeti, and D. Whitall (eds.), NCCOS Research Highlights in the Chesapeake Bay, Silver Spring, MD. Pp. 97-100.*

Jacobs, J.M. 2010. Predicting the distribution of *Vibrio vulnificus* in Chesapeake Bay. *In: R. Hood, R. Wood, D. Green, and X. Zhang (eds.), Report of the Special Session of “Chesapeake Bay Ecological Forecasting: Moving Ecosystem Modeling from Research to Operation” at the 2010 Chesapeake Modeling Symposium. Special Report, NOAA NCCOS CCEHBR, Charleston, South*

Carolina. p. 15.

Kelsey, R.H and B. Longstaff. 2010. Spatial analysis: Making maps and using spatial analyses. *In:* Longstaff, B.J., T.J.B. Carruthers, W.C. Dennison, T.R. Lookingbill, J.M. Hawkey, J.E. Thomas, E.C. Wicks, and J. Woerner (eds), Integrating and Applying Science: A Practical Handbook for Effective Coastal Ecosystem Assessment, IAN Press, Cambridge, MD. 79 p.

Kimmel, D.G., H. **Townsend**, T.J.B. Carruthers, and B. Fertig. 2010. Environmental statistics: balancing simplicity and explanatory power. *In:* Longstaff, B.J., T.J.B. Carruthers, W.C. Dennison, T.R. Lookingbill, J.M. Hawkey, J.E. Thomas, E.C. Wicks, and J. Woerner (eds.) Integrating and Applying Science: A Practical Handbook for Effective Coastal Ecosystem Assessment, IAN Press, Cambridge, MD. 79 p.

Jacobs, J.M., A. Baya, M. Rhodes, R. Reimschuessel, and R.M. Harrell. 2006. The influence of dietary intake on the progression and severity of mycobacteriosis in striped bass (*Morone saxatilis*). *In:* Ottinger, C.A. and Jacobs, J.M. (eds.), USGS/NOAA Mycobacteriosis in Striped Bass Workshop. USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. Pp. 27-28.

Kane, A.S., C.B. Stine, L. Hungerford, M. **Matsche, C. Driscoll, L. Pieper, K. Rosemary, J.M. Jacobs,** and A. Baya. 2006. Mycobacteriosis in juvenile Atlantic menhaden. *In:* Ottinger, C.A. and Jacobs, J.M. (eds.), USGS/NOAA Mycobacteriosis in Striped Bass Workshop. USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. Pp. 25-26.

Kane, A.S., L. Hungerford, C.B. Stine, M. **Matsche, C. Driscoll, J.M. Jacobs,** and A. Baya. 2006. Mycobacteriosis in Chesapeake Bay fishes: perspectives and questions. *In:* Ottinger, C.A. and Jacobs, J.M. (eds.), USGS/NOAA Mycobacteriosis in Striped Bass Workshop. USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. Pp. 29-30.

Kane, A.S., L. Hungerford, C.B. Stine, M. **Matsche, C.P. Driscoll, J.M. Jacobs,** and A.M. Baya. 2006. Mycobacteriosis in Chesapeake Bay fishes: Perspectives and questions. *In:* Ottinger, C.A. and Jacobs, J.M. (eds.), USGS/NOAA Workshop on Mycobacteriosis in Striped Bass, May 7-10, 2006, USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. p.42.

Kimmel, D.G., **Townsend, H.,** Carruthers, T.J.B. and Fertig, B. 2010. Environmental statistics: balancing simplicity and explanatory power. *In:* Longstaff, B.J., T.J.B. Carruthers, W.C. Dennison, T.R. Lookingbill, J.M. Hawkey, J.E. Thomas, E.C Wicks, And J. Woerner (eds.) Integrating and Applying Science: A Practical Handbook for Effective Coastal Ecosystem Assessment, IAN Press, Cambridge, MD. 79 pp.

Matsche, M.A., L. Pieper, C.B. Stine, A. Kane, A. Baya, K. Rosemary, C. Driscoll, and J.M. **Jacobs.** 2006. Survey of gametes and juvenile striped bass (*Morone saxatilis*) for mycobacteriosis from the Chesapeake Bay: Sampling methods, external lesions, and histopathology. *In:* Ottinger, C.A. and Jacobs, J.M. (eds.), USGS/NOAA Mycobacteriosis in Striped Bass Workshop. USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. Pp. 17-18.

May, E.B., J.M. **Jacobs,** and A.S. Overton. 2006. A historical perspective of diseases in striped bass with emphasis on mycobacteriosis. *In:* Ottinger, C.A. and Jacobs, J.M. (eds.), USGS/NOAA Mycobacteriosis in Striped Bass Workshop. USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. Pp. 7-8.



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Overton, A.S., J.M. **Jacobs**, J. Stiller, and E.B. May. 2006. Initial investigation of the overall health and presence of mycobacteriosis in striped bass (*Morone saxatilis*) in Roanoke River, NC. *In*: Ottinger, C.A. and Jacobs, J.M. (eds.), USGS/NOAA Mycobacteriosis in Striped Bass Workshop. USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. Pp. 31-32.

Reece, K. and C. **Dungan**. 2006. Chapter 5.2.1 *Perkinsus* sp. infections of marine molluscs. *In*: AFS-FHS Blue Book: Suggested Procedures for Detection and Identification of Certain Finfish and Shellfish Pathogens, Fish Health Section, American Fisheries Society, Bethesda, Maryland. Pp. 1-17.

Sindermann, C.J. 2006. Coastal Pollution: Effects of Living Resources and Humans. CRC Press, Boca Raton, Florida. 280 pp.

Stine, CB, A. Kane, M. **Matsche**, L. **Pieper**, K. **Rosemary**, J.M. **Jacobs**, J. Able, C. **Driscoll**, and A. Baya. 2006. Microbiology of gametes and age 0-3 striped bass. *In*: Ottinger, C.A and Jacobs, J.M. (eds.), USGS/NOAA Mycobacteriosis in Striped Bass Workshop. USGS Scientific Investigations Report 2006-5214; NOAA NCCOS Technical Memorandum 41. Pp. 19-20.

Dermott, R., M. Munawar, R. Bonnell, S. Carou, H. Niblock, T.F. Nalepa, and G. **Messick**. 2005. Preliminary investigations for causes of the disappearance of *Diporeia* spp. from Lake Ontario. *In*: L.C. Mohr and T.F. Nalepa (eds.), Proceedings of a Workshop on the Dynamics of Lake Whitefish (*Coregonus clupeaformis*) and the Amphipod *Diporeia* spp. in the Great Lakes. Great Lakes Fish Community Technical Report 66: 203-232.

Govoni, J.J. and F.G. **Kern**. 2005. Using forecasts to protect federal facilities in the path of Hurricane Isabel. *In*: K.G. Sellner (ed.), Hurricane Isabel in Perspective, Chesapeake Research Consortium Publication 05-160, Edgewater, MD. Pp. 255-258.

Gulland, F.M.D., H.M. Perez-Cortes, J.R. Urban, L. Rojas-Bracho, G. Ylitalo, J. **Weir**, S.A. Norma. M.M. Muto, D.J. Rugh, C. Kreuder, and T. Rowles. 2005. Eastern North Pacific gray whale (*Eschrichtius robustus*) unusual mortality event, 1999-2000. U.S. Dept. Commerce, NOAA Tech. Report NMFS-AFSC-150. 33 pp.

Jacobs, J.M., W.F. Van Heukelem, C. Giesecker, and R.M. Harrell. 2005. Caging Atlantic menhaden: collection, husbandry, and *in situ* bioassays with a sensitive estuarine species. Proceedings of the Annual Conference Southeast Association of Fish Wildlife Agencies 58: 207-218.

Messick, G.A. and J. Casey. 2005. Chapter 8.6 Status of blue crab, *Callinectes sapidus*, populations in the Maryland Coastal Bays. *In*: C.E. Wazniak and M.R. Hall (eds.) Maryland's Coastal Bays: Ecosystem Health Assessment 2004. Publ. No. DNR-12-1202-0009, Maryland Department of Natural Resources, Annapolis, MD.

Nalepa, T.F., D.L. Fanslow, and G. **Messick**. 2005. Characteristics and potential causes of declining *Diporeia* spp. populations in Southern Lake Michigan and Saginaw Bay, Lake Huron. *In*: L.C. Mohr and T.F. Nalepa (eds.), Proceedings of a Workshop on the Dynamics of Lake Whitefish (*Coregonus clupeaformis*) and the Amphipod *Diporeia* spp. in the Great Lakes. Great Lakes Fish Community Technical Report 66: 157-168.

Peters, E.C., K.L. **Price**, and D.J.B. Horowitz. 2005. Chapter 36: Histological preparation of invertebrates for evaluating contaminant effects. *In*: G.K. Ostrander (ed.), Techniques in Aquatic Toxicology, Vol. 2, Taylor & Francis, Boca Raton. Pp. 653-686.

Arthur, J.R., M.G. **Bondad-Reantaso**, F.C. Baldock, C.J. Rodgers and B.F. Edgerton. 2004. Manual on risk analysis for the safe movement of aquatic animals (FWG/01/2002). APEC/DoF/NACA/FAO. 58 pp.

Farley, C.A. 2004. Histocytology: a diagnostic method for examining invertebrate hemolymph. *In*: D.W. Howard, E.J. Lewis, B.J. Keller, and C.S. Smith (eds.), Histological Techniques for Marine Bivalve Mollusks and Crustaceans. NOAA tech. Memo. NOS NCCOS 5. Pp. 143-149.

Jacobs, J.M., A. Lazur, and A. Baya. 2004. Prevention and disinfection of *Mycobacterium* sp. In aquaculture. Publication No. UM-SG-SGEP-2004-01, Finfish Worksheet 9, Maryland Sea Grant Extension, University of Maryland, College Park. 4 pp.

Lewis, E.J. 2004. Miscellaneous techniques and methods for mollusks. *In*: D.W. Howard, E.J. Lewis, B.J. Keller, and C.S. Smith (eds.), Histological Techniques for Marine Bivalve Mollusks and Crustaceans. NOAA Technical Memorandum NOS NCCOS 5. Pp. 159-168.

McLaughlin, S.M. 2004. Diagnostic techniques for the softshell clam *Mya arenaria* Linnaeus, 1758. *In*: D.W. Howard, E.J. Lewis, B.J. Keller, and C.S. Smith (eds.), Histological Techniques for Marine Bivalve Mollusks and Crustaceans. NOAA Technical Memorandum NOS NCCOS 5, Pp. 169-178.

Messick, G.A. 2004. Diagnostic techniques for blue crabs. *In*: D.W. Howard, E.J. Lewis, B.J. Keller, and C.S. Smith (eds.), Histological Techniques for Marine Bivalve Mollusks and Crustaceans. NOAA Technical Memorandum NOS NCCOS 5. Pp. 151-157.

Zhang, X., R.R. Hood, M.R. Roman, P.M. Glibert, and D.K. Stoecker. 2004. *Pfiesteria piscicida* population dynamics: A modeling study. *In*: Steidinger, K.A., J.H. Lansberg, C.R. Tomas, and G.A. Vargo (eds.), Harmful Algae 2002, Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and Intergovernmental Oceanographic Commission of UNESCO, St. Petersburg, FL. Pp. 528-530.

McLaughlin, S.M. and S.J. **Jordan**. 2003. A potential eco-forecast for protozoal infections of the eastern oyster (*Crassostrea virginica*) in the upper Chesapeake Bay. *In*: N.J. Valette-Silver and D. Scavia (eds.), Ecological Forecasting: New Tools for Coastal and Ecosystem Management. U.S. Dept. Commerce, NOAA Tech. Memo. NOS NCCOS 1. Pp. 73-79.

Messick, G.A. 2002. A survey for prevalence of *Paramoeba* spp. in blue crabs along the Atlantic and Gulf coasts. Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies 56: 105-113.



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

McCullough, C.B. 2001. All in a day's work. *Histologic* 34(2): 37-40.

Nakamura, Y., M. Sorimachi, T. Yoshinaga, J.P. McVey, P.K. **Park**, and B.J. **Keller**, (eds.) 2001. Pathogenic Organisms and Disease Prevention. Proceedings of the 29th U.S.-Japan Natural Resources Aquaculture Panel Symposium, Ise, Japan. Bulletin of the National Research Institute of Aquaculture. Supplement 5. 125 pp.

McLaughlin, S.M. 2000. Biology and pathogenesis of *Perkinsus* spp. In the softshell clam *Mya arenaria*. Ph.D. thesis (ISBN 952-12-0653-5), Abo Akademi Univ., Finland.

Messick, G.A. 2000. Increasing risk factors: *Hematodinium* sp. In: F.W. Kutz, P. Koenings, and L. Adelhardt (eds.), Proceedings of the Delmarva Coastal Bays Conference III: Tri-State Approaches to Preserving Aquatic Resources. EPA/620/R-00/001, U.S. Environmental Protection Agency, Washington, DC. Pp. 59-61.

Widdows, J., S.N. Luoma, M. Faisal, A.A. Elskus, R.C. Hale, and S.M. **McLaughlin**, (eds.) 2000. Pollutant Responses in Marine Organisms (PRIMO 10). *Marine Environmental Research* 50. 592 pp.

Jordan, S.J., C.J. **Sindermann**, A. **Rosenfield**, and E.B. **May** (eds.). 1999. Causes and Effects of Ulcerative Lesions in Fish. Proceedings of a Workshop, Easton, Maryland, August 11-12, 1998. Maryland Department of Natural Resources, Oxford, MD. 31 pp.

Kato, M., K. Fukusho, K. Ikuta, J.P. McVey, P.K. **Park**, and B.J. **Keller**, editors. 1999. Goals and Strategies for Breeding in Fisheries. Proceedings of the 27th U.S.-Japan Natural Resources Aquaculture Panel Symposium, Ise, Japan. Bulletin of the National Research Institute of Aquaculture. Supplement 1. 150 pp.

May, E. B., and C. **Sindermann**. 1999. Statement from the 1998 Easton Workshop on Causes and Effects of Ulcerative Lesions in Fish. In: S.J. Jordan, C.J. Sindermann, A. Rosenfield, and E.B. May (eds.), Proceedings of a Workshop on Causes and Effects of Ulcerative Lesions in Fish. Maryland Dept. of Natural Resources, Oxford, MD. Pp. 1-6.

Smith, G., K. **Greenhawk**, and D. **Jensen**. 1999. Oyster bottom: surface geomorphology and twentieth century changes in the Maryland Chesapeake Bay. In: M.W. Luckenbach, R. Mann and J.A. Wesson (eds.), Oyster Reef Habitat Restoration: A Synopsis and Synthesis of Approaches. Virginia Institute of Marine Science Press, Gloucester Point, VA. Pp. 47-60.

Faisal, M., S.M. **McLaughlin**, E. Elsayed, E.A. MacIntyre, S.I. Kotob, and H. El-Gawady. 1998. Isolation of a *Labyrinthuloides* sp. (Protozoa: Labyrinthomorpha) with unique properties from the softshell clam (*Mya arenaria*). In: A.S. Kane and S.L. Poynton (eds.), Proceedings of the Third International Symposium on Aquatic Animal Health, Baltimore, MD.

Howell, W.H., B.J. **Keller**, P.K. **Park**, J.P. McVey, K. Takayanagi, and Y. Uekita, (eds.) 1998. Nutrition and Technical Development of Aquaculture. Proceedings of the 26th U.S.-Japan Natural Resources Aquaculture Symposium, Durham, NY. U.S. Dept. Commerce, NOAA Tech. Rep. No. 26. 283 pp.

Jordan, S.J. (ed.). 1998. The Blue Crab Fisheries of North America: Research, Conservation and Management. Proceedings of a Symposium, Baltimore, Maryland, April 1996. Journal of Shellfish Research 17(2). 220 pp.

Messick, G.A., W. Van Heukelum, and S. **Jordan**. 1998. Effects of salinity and temperature on intensity of *Hematodinium* sp. infections in blue crabs, *Callinectes sapidus*. In: A.S. Kane and S.L. Poynton (eds.), Proceedings of the Third International Symposium on Aquatic Animal Health. University of Maryland School of Medicine, Aquatic Pathobiology Center, College Park, MD. P. 165.

Azeta, M., K. Takayanagi, J.P. McVey, P.K. **Park**, and B.J. **Keller**, editors. 1997. Biodiversity and Aquaculture - for Sustainable Development. Proceedings of the 25th U.S.-Japan Natural Resources Aquaculture Symposium, Yokohama, Japan. Bulletin of the National Research Institute of Aquaculture. Supplement 3. 190 pp.

Fayer, R., T.K. Graczyk, C.A. **Farley**, E.J. **Lewis**, and J.M. Trout. 1997. The potential role of oysters and waterfowl in the complex epidemiology of *Cryptosporidium parvum*. In: C.R. Fricker, J.L. Clancy, and P.A. Rochelle (eds.), International Symposium on Waterborne *Cryptosporidium* Proceedings. American Water Works Association, Denver, CO. Pp. 153-158.

Keller, B.J., P.K. **Park**, J.P. McVey, K. Takayanagi, and K. Hosoya (eds.) 1997. Water Effluent and Quality, With Special Emphasis on Finfish and Shrimp Aquaculture. Proceedings of the Twenty-fourth U.S.-Japan Natural Resources Aquaculture Panel Symposium, Corpus Christi, TX. Publ. TAMU-SG-97-102, Texas A&M Univ. Sea Grant College Program, College Station, TX. UJNR Tech. Rep. No. 24. 171 pp.

MacKenzie, C. L., Jr., V.G. Burrell, Jr., A. **Rosenfield**, and W.L. Hobart (eds.) 1997. The History, Present Condition, and Future of the Molluscan Fisheries of North and Central America and Europe. Volume 1, Atlantic and Gulf Coasts. U.S. Dept. Commerce, NOAA Technical Report NMFS 127. 234 pp.

MacKenzie, C. L., Jr., V.G. Burrell, JR., A. **Rosenfield**, and W.L. Hobart (eds.) 1997. The History, Present Condition, and Future of the Molluscan Fisheries of North and Central America and Europe. Volume 2, Pacific Coast and Supplemental Topics. U.S. Dept. Commerce, NOAA Technical Report NMFS 128. 217 pp.

Rosenfield, A. 1997. Preface: The past is prologue. In: C.L. MacKenzie, Jr., V.G. Burrell, Jr., A. Rosenfield, and W.L. Hobart (eds.), The History, Present Condition, and Future of the Molluscan Fisheries of North and Central America and Europe. Volume 1, Atlantic and Gulf Coasts. U.S. Dept. Commerce, NOAA Technical Report NMFS 127. Pp. v-vi.

Azeta, M., K. Hosoya, J.P. McVey, P.K. **Park**, and B.J. **Keller** (eds.) 1996. Biological Control and Improvement of Salmon and Advanced Concept of the Technology for Aquaculture. Proceedings of the 23rd U.S.-Japan Natural Resources Aquaculture Symposium, Ise, Japan. Bulletin of the National Research Institute of Aquaculture. Supplement 2. 121 pp.



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Marcino, J.W. 1996. Observed diseases of walleye in Minnesota. *In*: R.C. Sommerfelt (ed.), Walleye Culture Manual, Chapter 16. NCRAC Culture Series 101. North Central Regional Aquaculture Center Publications Office, Iowa State University, Ames, IA. Pp. 369-370.

Sindermann, C.J. 1996. Sustainable development in the southeastern coastal zone: a summary. *In*: F.J. Vernberg, W.B. Vernberg, and T. Siewicki (eds.), Sustainable Development in the Southeastern Coastal Zone. University South Carolina Press, Columbia. Pp. 509-516.

Sindermann, C.J. 1996. Ocean Pollution: Effects on Living Resources and Humans. CRC Press, Boca Raton, FL. 275 pp.

Kern, F.G. 1995. Research strategies and protocols established for international molluscan shellfish introductions. *In*: Proceedings of the Conference & Workshop on Nonindigenous Estuarine & Marine Organisms (NEMO), Seattle, WA. U.S. Dept. Commerce, NOAA, Washington, D.C. Pp. 85-92.

Messick, G.A. 1995. Laboratory techniques to detect parasites and diseases in blue crabs, *Callinectes sapidus*. *In*: J.S. Stolen, S.A. Fletcher, S.A. Smith, J.T. Zelikoff, S.L. Kaattari, R.S. Anderson, K. Soderhall, and B.A. Weeks-Perkins (eds.), Techniques in Fish Immunology 4: 187-200.

Park, P.K. 1995. Fisheries technology cooperation for the 21st century. *In*: 20th Meeting of the U.S.-Japan Marine Facilities Panel of the U.S.-Japan Cooperative Program in Natural Resources (UJNR). U.S. Dept. Navy, Naval Surface Warfare Center, Carderock Div., Bethesda, MD. Pp. 539-552.

Carlton, J.A. and A. **Rosenfield** (eds.) 1994. Proceedings of the Symposium on Molluscan Introductions and Transfers: Risk Considerations and Implications. Publ. UM-SG-TS-94-02, University of Maryland Sea Grant, College Park, MD. 69 pp.

Carlton, J.A. and A. **Rosenfield**. 1994. Introduction to the Special Symposium on Molluscan Introductions and Transfers: Risk Considerations and Implications. *In*: J.A. Carlton and A. Rosenfield (eds.), Proceedings of the Symposium on Molluscan Introductions and Transfers: Risk Considerations and Implications. Publ. UM-SG-TS-94-02, University of Maryland Sea Grant, College Park, MD. Pp. 1.

Farley, C.A. 1994. Exogenous viruses as possible initiators of neoplasms in aquatic invertebrates. *In*: A. Rosenfield, F.G. Kern, and B.J. Keller (eds.), Proceedings of an International Workshop on Invertebrate Neoplasia: Initiation and Promotion Mechanisms. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-NE-107. Pp. 26-27.

Kern, F.G. 1994. Research strategies and protocols established for international molluscan shellfish introductions. *In*: Proceedings of the Conference and Workshop on Nonindigenous Estuarine & Marine Organisms (NEMO), Seattle, WA. U.S. Dept. Commerce, NOAA, Washington, DC. Pp. 85-92.

McLaughlin, S.M. 1994. Transmission studies of sarcoma in the softshell clam, *Mya arenaria*. *In*: A. Rosenfield, F.G. Kern, and B.J. Keller (eds.), Proceedings of an International Workshop on Invertebrate Neoplasia: Initiation and Promotion Mechanisms. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-NE-107. Pp. 21-22.

Rosenfield, A. and C.L. Reinisch. 1994. Workshop introduction. *In*: A. Rosenfield, F.G. Kern, and B.J. Keller (eds.), Proceedings of an International Workshop on Invertebrate Neoplasia: Initiation and Promotion Mechanisms. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-NE-107. Pp. 1-2.

Rosenfield, A., F.G. **Kern**, and B.J. **Keller** (eds.) 1994. Proceedings of an International Workshop on Invertebrate Neoplasia: Initiation and Promotion Mechanisms. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-NE-107. 31 pp.

Rosenfield, A. (ed.) 1993. Proceedings of an International Workshop on Marine Invertebrate Cell Culture: Breaking the Barriers. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-F/NEC-98. 25 pp.

Rosenfield, A. 1993. Marine invertebrate cell culture research in North America. *In*: A. Rosenfield (ed.), Proceedings of an International Workshop on Marine Invertebrate Cell Culture: Breaking the Barriers. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-F/NEC-98. Pp. 2-4.

Rosenfield, A. and C. Reinisch. 1993. Preface. *In*: A. Rosenfield (ed.), Proceedings of an International Workshop on Marine Invertebrate Cell Culture: Breaking the Barriers. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-F/NEC-98. Pp. v-vi.

Sindermann, C.J. 1993. Interactions of pollutants and disease in marine fish and shellfish. *In*: J.A. Couch and J.W. Fournie (eds.), Pathobiology of Marine and Estuarine Organisms. CRC Press, Inc., Boca Raton, FL. Pp. 451-482.

Farley, C.A. 1992. Exogenous viruses as possible initiators of neoplasms in aquatic invertebrates. *In*: An International Workshop on Invertebrate Neoplasia: Initiation and Promotion Mechanisms. NOAA/NMFS, Oxford, MD. 5 pp.

Farley, C.A. 1992. Mass mortalities and infectious lethal diseases in bivalve molluscs and associations with geographic transfers of populations. *In*: A. Rosenfield and R. Mann (eds.), Dispersal of Living Organisms into Aquatic Ecosystems. Publ. UM-SG-TS-92-04, Maryland Sea Grant College, University of Maryland, College Park, MD. Pp. 139-154.

Kern, F.G. and A. **Rosenfield**. 1992. Shellfish health and protection. *In*: A. Rosenfield and R. Mann (eds.), Dispersal of Living Organisms into Aquatic Ecosystems. Publ. UM-SG-TS-92-04, Maryland Sea Grant College, University of Maryland, College Park, MD. Pp. 313-323.

McLaughlin, S.M. 1992. Transmission studies of sarcoma in the soft-shell clam, *Mya arenaria*. *In*: An International Workshop on Invertebrate Neoplasia: Initiation and Promotion Mechanisms. NOAA/NMFS, Oxford, MD. 3 pp.

Rosenfield, A. 1992. Risks associated with translocations of biological agents. *In*: A. Rosenfield and R. Mann (eds.), Dispersal of Living Organisms into Aquatic Ecosystems. Publ. UM-SG-TS-92-04, Maryland Sea Grant College, University of Maryland, College Park, MD, Pp. 3-12.



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Rosenfield, A. and R. Mann (eds.). 1992. Dispersal of Living Organisms into Aquatic Ecosystems. Publ. UM-SG-TS-92-04, Maryland Sea Grant College, University of Maryland, College Park, MD. 471 pp.

Sindermann, C.J. 1992. The introduction of marine species: What the future holds. Proceedings of the Conference & Workshop, Hilton Head Island, S.C. *In:* R.M. Devoe (ed.), Introductions and Transfers of Marine Species: Achieving A Balance Between Economic Development and Resource Protection. South Carolina Sea Grant Consortium, Charleston. Pp. 143-148.

Sindermann, C.J. 1992. Precautions for importing and culturing non-native shrimp. *In:* W. Fulks and K.L. Main (eds.), Proceedings of a Workshop on Diseases of Cultured Penaeid Shrimp in Asia and the United States. The Oceanic Institute, Honolulu, HI. Pp. 325-332.

Sindermann, C.J. 1992. Principal issues associated with the use of non-native shrimp species in aquaculture. *In:* M.R. DeVoe (ed.), Proceedings of the Conference & Workshop on Introductions and Transfers of Marine Species: Achieving a Balance Between Economic Development and Resource Protection. South Carolina Sea Grant Consortium, Charleston. Pp. 149-154.

Sindermann, C. J. 1992. Role of the International Council for the Exploration of the Sea (ICES) concerning introductions of marine organisms. *In:* A. Rosenfield and R. Mann (eds.), Dispersal of Living Organisms into Aquatic Ecosystems. Publ. UM-SG-TS-92-04, Maryland Sea Grant College, University of Maryland, College Park, MD. Pp. 367-376.

Sindermann, C., B. Steinmetz, and W. Hershberger. 1992. "The Effects of Introductions and Transfers of Aquatic Species on Resources and Ecosystems", Halifax, Nova Scotia, June 12-13, 1990, as part of the annual meeting of World Aquaculture Society. ICES Marine Science Symposia 194. 125 pp.

Sindermann, C., B. Steinmetz, and W. Hershberger. 1992. Introductions and Transfers of Aquatic Species: Introduction. "The Effects of Introductions and Transfers of Aquatic Species on Resources and Ecosystems", Halifax, Nova Scotia, June 12-13, 1990, as part of the annual meeting of World Aquaculture Society. ICES Marine Science Symposia 194. Pp. 1-2.

Williams, Jr., E.H and C.J. **Sindermann.** 1992. Effects of disease interactions with exotic organisms on the health of the marine environment. *In:* M.R. DeVoe (ed.), Proceedings of the Conference & Workshop on Introductions and Transfers of Marine Species: Achieving a Balance Between Economic Development and Resource Protection. South Carolina Sea Grant Consortium, Charleston. Pp. 71-77.

Sindermann, C.J. 1990. Pollution-associated disease conditions in marine fish. *In:* MTS '90 Proceedings: Science and Technology for a New Oceans Decade, Volume 1. Marine Technology

Society, Washington, D.C. Pp. 135-139.

Sindermann, C.J. 1990. Principal Diseases of Marine Fish and Shellfish, Volume 1. Diseases of Marine Fish. 2nd edition. Academic Press, San Diego, CA. 521 pp.

Sindermann, C.J. 1990. Principal Diseases of Marine Fish and Shellfish, Volume 2. Diseases of Marine Shellfish. 2nd edition. Academic Press, San Diego, CA. 516 pp.

Sindermann, C.J. 1990. Scientific writing as English prose. *In: J. Hunter (ed.), Writing for Fishery Journals.* American Fisheries Society, Bethesda, MD. Pp. 75-78.

Sindermann, C.J. 1991. Mini-Symposium, 1988. Case histories of effects of transfers and introductions on marine resources. Introduction. *Journal Conseil International Exploration of the Sea* 47: 377-378.

Sindermann, C.J. (ed.) 1991. Proceedings of the Special Symposium: Shell Disease in Marine Crustaceans. *Journal of Shellfish Research* 10(1): 479-506.

Sindermann, C.J. 1991. Introduction to a symposium on shell disease in marine crustaceans. *Journal of Shellfish Research* 10(1): 481.

Sindermann, C.J. 1991. Shell disease in marine crustaceans – A conceptual approach. *Journal of Shellfish Research* 10(2): 491-494.

Farley, C.A. 1990. Epizootiology of presumed infectious sarcoma in Chesapeake Bay soft clams, *Mya arenaria*. *In: Proceedings of the 1985 Interstate Seafood Seminar, Ocean City, Maryland.* MD. Dept. of the Environment, Baltimore, MD. 92 p.

Farley, C.A., S.V. Otto, and R.F. Scott. 1990. Epizootic sarcoma in Chesapeake Bay soft-shell clams. *In: Proceedings of the 1985 Interstate Seafood Seminar, Ocean City, Maryland.* MD. Dept. of the Environment, Baltimore, MD. Pp. 93-98.

Sindermann, C.J. 1990. Pollution-associated disease conditions in marine fish. *In: MTS '90 Proceedings: Science and Technology for a New Oceans Decade, Vol. 1.* Marine Technology Society, Washington, DC. Pp. 135-139.

Sindermann, C.J. 1990. Principal Diseases of Marine Fish and Shellfish. Volume 1, Diseases of Marine Fish. 2nd ed. Academic Press, San Diego, CA. 521 pp.

Sindermann, C.J. 1990. Principal Diseases of Marine Fish and Shellfish. Volume 2, Diseases of Marine Shellfish. 2nd ed. Academic Press, San Diego, CA. 516 pp.

Farley, C.A. 1989. Selected aspects of neoplastic progression in mollusks, *In: H.E. Kaiser (ed.), Cancer Growth and Progression. Comparative Aspects of Tumor Development.* Kluwer Academic Publ., Netherlands. Pp. 24-31.

Sawyer, T.K., E.J. Lewis, J. Musselman, W.N. Adams, J. Gaines, L. Chandler, and R. Rippey. 1989. Sewage-associated protozoans (Amoebida) and bacteria as indicators of the sanitary quality of commercial shellfish beds. *In: D.W. Hood, A. Schoener, and P.K. Park (eds.), Oceanic Processes in Marine Pollution. Vol. 4. Scientific Monitoring Strategies for Ocean Waste Disposal.* Robert E. Krieger Publ. Co., Malabar, FL. Pp. 73-81.



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Dungan, C.F., D.A. Armstrong, T. Sibley, and J. Armstrong. 1988. Northern pink shrimp *Pandalus borealis* in the Gulf of Alaska and eastern Bering Sea. *In: N. Wilimovsky, L. Incze, and S. Westrheim (eds.), Species Synopses: Life Histories of Selected Fish and Shellfish of the Northeast Pacific and Bering Sea.* Washington Sea Grant Publications, University of Washington, Seattle WA. Pp. 1-14.

Lewis, E.J. 1988. Dermo (*Perkinsus marinus*), SSO (*Haplosporidium costale*), and MSX (*Haplosporidium nelsoni*) - current impact on shellfish. *In: Proceedings of the 1987 Interstate Seafood Seminar.* Virginia Dept. Health, Div. Shellfish Sanitation, Virginia Beach, VA. Pp. 113-132.

Sindermann, C.J. 1988. Environmental Quality and Aquaculture Systems. Proceedings of the Thirteenth U.S.-Japan Meeting on Aquaculture, Mie, Japan, October 24-25, 1984. 50 pp.

Bodammer, J.E. 1987. A preliminary study on the corneas of American sand lance larvae exposed to copper. *In: W.B. Vernberg, A. Calabrese, F.P. Thurberg, and F.J. Vernberg (eds.), Pollution Physiology of Estuarine Organisms.* Belle W. Baruch Library of Marine Science No. 17. Univ. South Carolina Press, Columbia. Pp. 439-448.

Kern, F.G. 1987. Molluscan histopathology: a comparative study of freshwater mussels and marine bivalve species. *In: R.J. Neves (ed.), Proceedings of the Workshop on Die-offs of Freshwater Mussels in the United States.* Virginia Polytechnic Institute and State University, Blacksburg, Virginia. P. 143.

Rosenfield, A. and F.G. Kern. 1987. Shellfish management strategies to control the introduction of undesirable organisms. *In: A.W. White (ed.), Proceedings of a Workshop on Shellfish Diseases: Current Concerns in the Northeast.* Technical Report WHOI 87-13, Woods Hole Oceanographic Institution, Woods Hole, MA. Pp. 19-20.

Sawyer, T.K., E.J. Lewis, J. Musselman, W.N. Adams, J. Gaines, L. Chandler, and S. Rippey. 1987. Chapter 7: Sewage-associated protozoans (Amoebida) and bacteria as indicators of the sanitary quality of commercial shellfish beds. *In: J. M. Capuzzo and D. R. Kester (eds.), Oceanic Processes in Marine Pollution, Vol. 1. Biological Processes and Wastes in the Ocean.* Robert E. Krieger Publ. Co., Malabar, FL. Pp. 73-81.

Sawyer, T.K., T.A. Nerad, P.-M. Daggett, and S.M. Bodammer (McLaughlin). 1987. Chapter 16: Potentially pathogenic protozoa in sediments from oceanic sewage-disposal sites. *In: J. M. Capuzzo and D. R. Kester (eds.), Oceanic Processes in Marine Pollution, Vol. 1. Biological Processes and Wastes in the Ocean.* Robert E. Krieger Publ. Co., Malabar, FL. Pp. 183-194.

Sindermann, C.J. 1987. Reproduction, Maturation, and Seed Production of Cultured Species. Proceedings of the Twelfth U.S.-Japan Meeting on Aquaculture, Baton Rouge, Louisiana, October 25-29, 1983. NOAA Technical Report NMFS 47. 73 pp.

Bodammer, J.E. 1986. Ultrastructural observations on peritoneal exudate cells from the striped bass. *In: J.S. Stolen, D.P. Anderson, and W.B. van Muiswinkel (eds.), Fish Immunology, Elsevier, New York. Pp. 127-140.*

Farley, C.A. 1986. Epizootic sarcoma in Chesapeake Bay soft-shell clams – a virus? *In: R.A. Sampson, J.M. Vlcek, and D. Peters (eds.), Fundamental and Applied Aspects of Invertebrate Pathology, Fourth International Colloquium on Invertebrate Pathology, Wageningen, The Netherlands. Pp. 336-340.*

Hanson, P.J., J.A. Wells and M.W. **Newman.** 1986. Preliminary results of the 1984-85 National Benthic Surveillance Project: Southeast Atlantic and Gulf of Mexico Coasts. IEEE Oceans '86 Conference Proceedings, Washington, D.C., September 23-25, 1986. Pp. 572-577.

Johnson, P.T. 1986. Blue crab (*Callinectes sapidus*) viruses and the diseases they cause. *In: H.M. Perry and R.F. Malones (eds), Proceedings of the National Symposium on the Soft-Shelled Blue Crab Fishery, Gulf Coast Research Laboratory, Biloxi, MS. Pp. 13-19.*

Mao, X., X. **Zhang**, B. Li, and S. Zhang. 1986. Measurement of BHC and DDT in the nearshore water of Antarctic. *In: Lu, P., K. Zhang, Q. Gao, X. Lin, and S. Li (eds.), A Collection of Antarctic Scientific Explorations (III), Ocean Press, Beijing. Pp. 168-172.*

Munson, D.A. and T.K. **Sawyer.** 1986. Small free-living amoebae as indicators of soil and sewage accumulation in coastal waters of the Chesapeake Bay. 4th International Conference Biology of Small Free-Living Amoebae, London, England.

Rosenfield, A. 1986. Introduction. *In: Symposium: The Role of Diseases in Marine Fisheries management, Transactions of Fiftieth North American Wildlife Natural Resources Conference, March 1985. Wildlife Management Institute, Washington, D.C. P. 603.*

Rosenfield, A. 1986. Remarks of the Chairman. *In: Symposium: The Role of Diseases in Marine Fisheries management, Transactions of Fiftieth North American Wildlife Natural Resources Conference, March 1985. Wildlife Management Institute, Washington, D.C. Pp. 606-607.*

Zdanowicz, V.S., D.F. Gadbois and M.W. **Newman.** 1986. Levels of organic and inorganic contaminants in sediments and fish tissues and prevalence of pathological disorders in winter flounder from estuaries of the Northeast United States, 1984. IEEE Oceans '86 Proceedings, Washington, D.C., September 23-25, 1986. Pp. 578-584.

Zhang, X. and K. Zhang. 1986. Ecological observation of macroscopic algae in the nearshore of Marsh Base, Antarctica. *In: Lu, P., K. Zhang, Q. Gao, X. Lin, and S. Li (eds.), A Collection of Antarctic Scientific Explorations (III). Ocean Press, Beijing. Pp. 83-86.*

Sawyer, T.K. 1985. Distribution and seasonal incidence of "Black Gill" in the rock crab, *Cancer irroratus*. *In: G.F. Mayer (ed.), Ecological Stress and the New York Bight: Science and Management, Estuarine Research Foundation, Columbia, South Carolina. Pp. 199-211.*

Sawyer, T.K., E.J. Lewis, M.E. Galasso, J.J. Ziskowski, A.L. Pacheco, and S.W. Gorski. 1985. Chapter 5: Gill blackening and fouling in the rock crab, *Cancer irroratus*, as an indicator of coastal pollution. *In: B. Ketchum, J. Capuzzo, W. Burt, I. Duedall, P. Park, and D. Kester (eds), Wastes in the Ocean, Volume 6: Near-shore waste disposal, John Wiley & Sons, Inc, New York. Pp. 114-129.*



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Sindermann, C.J. (ed.). 1985. Proceedings of the Eleventh U.S.-Japan Meeting on Aquaculture, Salmon Enhancement, Tokyo, Japan, October 19-20, 1982. NOAA Technical Report NMFS 27. 102 pp.

Sindermann, C.J. (ed.). 1984. Proceedings of the Seventh U.S.-Japan Meeting on Aquaculture, Marine Finfish Culture, Tokyo, Japan, October 3-4, 1978. NOAA Technical Report NMFS 10. 31 pp.

Sindermann, C.J. (ed.). 1984. Proceedings of the Ninth and Tenth U.S.-Japan Meetings on Aquaculture. NOAA Technical Report NMFS 16. 92 pp.

Johnson, P.T. 1983. Chapter 1: Diseases caused by viruses, rickettsiae, bacteria, and fungi. *In*: A.J. Provenzano, Jr. (ed.), *The Biology of Crustacea*, Vol. 6, Pathobiology, Academic Press, Inc. Pp. 1-78.

Park, P.K., Kester, D.R., I.W. Duedall, and B.H. Ketchum. (eds.) 1983. *Wastes in the Ocean. Volume 3. Radioactive Wastes and the Ocean.* Wiley-Interscience, New York. 522 pp.

Park, K.P., D.R. Kester, I.W. Duedall, and B.H. Ketchum. 1983. Radioactive wastes and the ocean: An overview. *In*: P.K. Park, D.R. Kester, I.W. Duedall, and B.H. Ketchum (eds), *Wastes in the Ocean. Volume 3. Radioactive Wastes and the Ocean.* Wiley-Interscience, New York. Pp. 4-45.

Sawyer, T.K. and S.M. Bodammer (McLaughlin). 1983. Marine amoebae (Protozoa: Sarcodina) as indicators of healthy or impacted sediments in the New York Bight apex. *In*: I.W. Duedall, B.H. Ketchum, P.K. Park, and D.R. Kester (eds.), *Wastes in the Ocean, Vol. 1: Industrial and Sewage Wastes in the Ocean,* John Wiley & Sons, Inc, New York. Pp. 337-352.

Carriker, M.R., J.W. Anderson, W.P. Davis, D.R. Franz, G.F. Mayer, J.B. Pearce, T.K. Sawyer, J.H. Tietjen, J.F. Timoney, and D.R. Young. 1982. Effects of pollutants on benthos. *In*: G.F. Mayer (ed.), *Ecological Stress and the New York Bight: Science and Management,* Estuarine Research Federation, Columbia, South Carolina. Pp. 3-21.

Champ, M.A. and P.K. Park (eds.). 1982. *Global Marine pollution Bibliography: Ocean Dumping of Municipal and Industrial Wastes.* IFI/Plenum Data Company, New York, N.Y. 399 pp.

Murchelano, R.A. 1982. Some pollution-associated diseases and abnormalities of marine fishes and shellfishes: A perspective for the New York Bight. *In*: G.F. Mayer (ed.), *Ecological Stress and the New York Bight: Science and Management,* Estuarine Research Federation, Columbia, South Carolina. Pp. 327-346.

Murchelano, R.A. and J. Ziskowski. 1982. Fin rot disease in the New York Bight (1973-1977). *In*: G.F. Mayer (ed.), *Ecological Stress and the New York Bight: Science and Management,* Estuarine Research Federation, Columbia, South Carolina. Pp. 347-358.

Sawyer, T.K. 1982. Distribution and seasonal incidence of "black gill" in the rock crab, *Cancer irroratus*. In: G.F. Mayer (ed.), Ecological Stress and the New York Bight: Science and Management, Estuarine Research Federation, Columbia, South Carolina. Pp. 199-211.

Sindermann, C.J., S.C. Esser, E. Gould, B.B. McCain, J.L. McHugh, R.P. Morgan II, R.A. Murchelano, M.J. Sherwood, and P.R. Spitzer. 1982. Effects of pollutants on fish. In: G.F. Mayer (ed.), Ecological Stress and the New York Bight: Science and Management, Estuarine Research Federation, Columbia, South Carolina. Pp. 23-38.

Farley, C.A. 1981. Phylogenetic relationships between viruses, marine invertebrates and neoplasia. In: C.J. Dawe, J.C. Harshbarger, S. Kondo, T. Sugimura and S. Takayama (eds.), Phyletic Approaches to Cancer, Proceedings of the 11th International Symposium, Princess Takamatsu Cancer Research. Japan Scientific Society Press, Tokyo. Pp. 75-87.

MacLean, S.A., C.A. Farley, M.W. Newman, and A. Rosenfield. 1981. Gross and microscopic observations on some biota from deep water dumpsite 106. In: B.H. Ketchum, D.R. Kester, and P.K. Park, Ocean Dumping of Industrial Wastes, Plenum Publishing Corp., New York. Pp. 421-437.

Johnson, P.T. 1980. Histology of the blue crab, *Callinectes sapidus* (Decapoda: Portinidae). A model for the decapoda. Praeger Publication, New York. 440 pp.

Bodammer, J.E. 1979. Preliminary observations on the cytopathological effects of copper sulfate on the chemoreceptors of *Callinectes sapidus*. In: W.B. Vernberg, F.P. Thurberg, A. Calabrese, and J.F. Vernberg (eds.), Marine Pollution: Functional Responses, Academic Press, New York. Pp. 223-237.

Cabelli, V.J., A.F. Carlucci, C.D. Litchfield, T.G. Metcalf, R.A. **Murchelano**, P.H. Pritchard, and S.W. Watson. 1979. Microorganisms. In: E.D. Goldberg (ed.), Proceedings of a Workshop on Scientific Problems Relating to Ocean Pollution., Estes Park, Colorado, July 10-14, 1978. NOAA, ERL, Boulder, Colorado. Pp. 104-109.

Johnson, P.T. 1979. New information on viral diseases of the blue crab, *Callinectes sapidus*. In: J. Weiser (ed.), Progress in Invertebrate Pathology, Proceedings of the International Colloquium on Invertebrate Pathology XIth Annual Meeting. Society of Invertebrate Pathology, Prague, Czechoslovakia. Pp. 85-86.

Rosenfield, A. and F.G. Kern. 1979. Molluscan imports and the potential for introduction of disease organisms. In: R. Mann (ed.), Exotic Species in Mariculture, The MIT Press, Cambridge, MA. Pp. 165-189.

Sawyer, T.K., S.A. MacLean, J.E. Bodammer, and B.A. Harke. 1979. Gross and microscopical observations on gills of rock crabs (*Cancer irroratus*) and lobsters (*Homarus americanus*) from near shore waters of the eastern United States. Proceedings of the Second Biennial Crustacean Health Workshop, Texas A&M University. Sea Grant 79-114. Pp. 68-91.

Murchelano, R.A. 1978. Second Annual Eastern Fish Health Workshop. Marine Fisheries Review 40(10): 1-52.

Sawyer, T.K. 1978. Microscopic observations on vertebrates and invertebrates collected near the Argo Merchant oil spill. In: In the Wake of the Argo Merchant, Proceedings of a Symposium held January 11-13, 1978 at the Center for Ocean Management Studies, University of Rhode Island. Pp. 93-95.



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Johnson, P.T. 1977. Herpes-like virus of blue crabs. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 100-102.

Johnson, P.T. 1977. Reovirus-like of blue crabs. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 103-105.

Johnson, P.T. 1977. Bacterial disease of blue crabs. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 106-108.

Johnson, P.T. 1977. Paramoebiasis of blue crabs. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 122-125.

Merrill, A.S. and J.W. Ropes. 1977. 32: Shellfish Beds. *In*: J.R. Clark (ed.), *Coastal Ecosystem Management. A Technical Manual for the Conservation of Coastal Zone Resources*, The Conservation Foundation, John Wiley & Sons, New York, pp. 710-716.

Newman, M.W. 1977. Haplosporidan disease of blue crabs. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 126-128.

Newman, M.W. 1977. Hematodinium disease of blue crabs. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 132-134.

Newman, M.W. 1977. Lymphocystis disease of striped bass. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 272-273.

Newman, M.W. 1977. Pasteurella disease of striped bass. *In*: C.J. Sindermann (ed.), *Disease Diagnosis and Control in North American Marine Aquaculture*, Elsevier Scientific Publishing Co., New York. Pp. 278-281.

Sawyer, T.K., S.A. MacLean, W. Coats, M. Hilfiker, P. Riordan, and E.B. Small. 1977. Species diversity among sarcodine protozoa from Rhode River, Maryland following Hurricane Agnes. *In*: *The Effects of Tropical Storm Agnes on the Chesapeake Bay Estuarine System*, CRC Publication No. 54, Johns Hopkins Press, Baltimore. Pp. 531-543.

Johnson, P.T. 1976. A baculovirus from the blue crab, *Callinectes sapidus*. *In: Proceedings, First International Colloquium on Invertebrate Pathology, Kingston, Canada.* p. 24.

Johnson, P.T. 1976. An unusual microorganism from the blue crab, *Callinectes sapidus*. *In: Proceedings, First International Colloquium on Invertebrate Pathology, Kingston, Canada.* p. 316.

Murchelano, R.A. and J. Ziskowski. 1976. Fin rot disease studies in the New York Bight. *In: M.G. Gross (ed.), Proceedings of the Symposium Middle Atlantic Continental Shelf and the New York Bight, American Society of Limnology & Oceanography, Special Symposium Vol. 2: 329-336.*

Otto, S.V. and C.A. **Farley.** 1976. Neoplasms in bivalve mollusks from the upper Chesapeake Bay and adjoining tributaries. *In: Proceedings, First International Colloquium on Invertebrate Pathology, Kingston, Canada.* p. 159.

Rosenfield, A. 1976. Infectious disease in commercial shellfish on the middle Atlantic coast. *In: M.G. Gross (ed.), Proceedings Symposium Middle Atlantic Continental Shelf and the New York Bight, American Society of Limnology & Oceanography, Special Symposium Vol. 2: 414-423.*

Rosenfield, A. 1976. Recent environmental studies of neoplasms in marine shellfish. *In: F. Homburger (ed.), Progress in Experimental Tumor Research Vol. 20: 263-274. S. Karger Publ., Basel, Switzerland.*

Scarpelli, D.G. and A. **Rosenfield.** 1976. Molluscan Pathology (eds.). *Marine Fisheries Review* 38(10): 1-56.

Johnson, P.T. and D. Heyneman. 1975. Cellular components. *In: K. Maramorosch and R.E. Shope (eds.), Invertebrate Immunity, Academic Press, New York.* Pp. 197-198.

Sawyer, T.K., G.L. Hoffman, J.G. Hnath and J.F. Conrad. 1975. Chapter 4: Infection of salmonid fish gills by aquatic amebas (Amoebida: Thecamoebidae). *In: W.E. Ribelin and G. Migaki (eds.), The Pathology of Fishes, University of Wisconsin Press, Madison. Proceedings of a symposium held at Walter Reed Army Medical Center, Washington, D.C.* pp. 143-150.

Tubiash, H.S. 1975. Bacterial pathogens associated with cultured bivalve mollusk larvae. *In: W.L. Smith and M.H. Chanley (eds), Culture of Marine Invertebrate Animals, Plenum Publishing Corp., New York. Proceedings – 1st Conference on Culture of Marine Invertebrate Animals, Green Port, New York, October 1972.* Pp. 61-71.

Pauley, G.B. 1974. Chapter 21: Comparison of a natural agglutinin in the hemolymph of the blue crab, *Callinectes sapidus*, with agglutinins of other invertebrates. *In: E.L. Cooper (ed.), Contemporary Topics in Immunobiology, Vol. 4, Plenum Publishing Corp., New York.* Pp. 241-260.

Tubiash, H.S. 1974. Bacterial pathogens associated with cultured bivalve mollusk larvae. *In: W.L. Smith and W.H. Chanley (eds.), Culture of Marine Invertebrate Animals, Plenum Press, New York.* Pp. 61-71.

Shaw, W.N. 1973. Aquaculture of sea scallops and abalone in Japan. *In: J.W. Avault (ed.), Proceedings of the Third Workshop, World Mariculture Society.* Pp. 303-308.



Cooperative Oxford Laboratory

Chapters, Books, and Proceedings

Hochberg, F.G. and J.A. **Couch**. 1972. Biology of cephalopods. *In*: J.G. Van Derwalker and R.A. Waller (eds.), Tektite 2: Scientists-in-the-Sea, U.S. Dept. of the Interior, Washington, D.C. VI221-228.

Shaw, W.N. 1972. Symposium on Molluscan Aquaculture. The American Malacological Union Bulletin for 1971, Thirty-Seventh Annual Meeting. Pp. 12-27.

Farley, C.A. and A.K. Sparks. 1971. Proliferative diseases of hemocytes, endothelial cells, and connective tissue cells in mollusks. Proceedings of the IVth International Symposium, Cherry Hill, New Jersey. *In*: R.M. Dutcher (ed.), Comparative Leukemia Research 1969, Bibliotheca Haematologica No. 36, S. Karger, Basel, Switzerland. Pp. 610-617.

Merrill, A.S. 1971. Symposium on commercial marine mollusks of the United States. The American Malacological Union Annual Reports for 1970, AMU, Thirty-Sixth Annual Meeting. pp. 9-40.

Merrill, A.S. and H.S. **Tubiash**. 1970. Molluscan resources of the Atlantic and Gulf Coast of the United States. Proceedings of the Symposium on Mollusca – Part III. pp. 925-948.

Rosenfield, A. 1971. Oyster diseases in North America and some methods for their control. Proceedings of the University of Delaware Conference on Artificial Propagation of Commercially Valuable Shellfish – Oysters. Pp. 67-78.

Shaw, W.N. 1971, Off-bottom oyster culture in North America. *In*: Proceedings of the Conference on Shellfish Culture, Regional Marine Research Council, Nassau-Suffolk Regional Planning Board and Suffolk County Community College. Pp. 71-77.

Shaw, W.N. 1971. Oyster farming in North America. Proceedings of the 1st Annual Workshop, World Mariculture Society, held at Louisiana State University, Baton Rouge, LA. Pp. 39-44.

Sindermann, C.J. 1970. Diseases and parasite problems in marine aquiculture. *In*: W.J. MacNeil (ed.), Marine Aquiculture. Oregon State University Press, Corvallis, Oregon. Pp. 103-104.

Sindermann, C.J. 1970. The role and control of diseases and parasites in mariculture. *In*: H.W. Youngken, Jr. (ed.), Food-Drugs from the Sea. 1969 Proceedings of the Marine Technological Society, Washington, D.C. Pp. 145-173.

Merrill, A.S., J.L. **Chamberlin**, and J.W. **Ropes**. 1969. Ocean Quahog fishery. *In*: F.E. Firth (ed.), The Encyclopedia of Marine Resources, Van Nostrand Reinhold Co. pp. 125-129.

Ropes, J.W., J.L. **Chamberlin**, and A.S. **Merrill**. 1969. Surf clam fishery. *In*: F.E. Firth (ed.), The Encyclopedia of Marine Resources, Van Nostrand Reinhold Co. pp. 119-125.

Shaw, W.N. 1969. Oysters. *In*: F.E. Firth (ed.), The Encyclopedia of Marine Resources, Van Nostrand Reinhold Co. pp. 469-476.

Rosenfield, A. 1969. Oyster diseases in North America and some methods for their control. Proceedings of the Conference on Artificial Propagation of Commercially Valuable Shellfish – Oysters, College of marine Studies, University of Delaware, Newark, Delaware, October 22-23, 1969. Pp. 67-78.

Sindermann, C.J. 1966. Diseases of Marine Fishes. T.F.H. Publications, Inc. Jersey City, New Jersey. 89 pp.

Sindermann, C.J. 1964. Effects of environment on several species of herring from the Western North Atlantic. INCAF Environmental Symposium Papers, Rome 1964, Serial No. 121, Contribution N. E-5. 17 pp.