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Business

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*Out of print

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The Woman Diver. KC Smith. *In NOAA Magazine*, Vol. 8, No. 4, October 1978. 7 pages. \$1 TAMU-SG-79-803. NTIS—PB-294-231.

Assessment of Brochures & Radio & Television Presentations on Hurricane Awareness. Larry Christensen and Carlton E. Ruch. *In Mass Emergencies*, 3 (1978). 7 pages, 3 tables. \$1. TAMU-SG-79-804.*

Hurricane Message Enhancement. Carlton E. Ruch and Larry B. Christensen. January 1981. 140 pages, 43 figures, 18 tables. \$5. TAMU-SG-80-202.

Hurricane Watch...Hurricane Warning — Why Don't People Listen? Carlton Ruch and Larry Christensen. May 1980. 4 pages. TAMU-SG-80-508.

Emergency First Aid/Primeros Auxilios: Emergencias. Russell J. Miget. March 1981. 16 pages, 49 illustrations. TAMU-SG-80-503.

Guide to Fishing Vessel Safety. Dewayne Hollin. April 1981. TAMU-SG-81-503.

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Economics

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Economic Development Study of the Texas Coastal Zone. Gerald R. Rapp, David M. French and John Miloy. June 1972. \$3. TAMU-SG-72-212.*

The Economic Impact of a Deepwater Terminal in Texas. Daniel M. Bragg and James R. Bradley. November 1972. 55 pages. \$3. TAMU-SG-72-213. NTIS—COM-73-10514.

Economic Analysis of the Petrochemical Industry in Texas. Norman C. Whitehorn. May 1973. 78 pages. \$3. TAMU-SG-73-203. NTIS—COM-73-11409.

Primary Economic Impact of the Gulf Intracoastal Waterway in Texas. John Miloy and Christian Phillips. March 1974. 203 pages. \$3. TAMU-SG-74-211. NTIS—COM-74-11552/AS.

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Indirect Economic Effect from Gulf Intracoastal Waterway Commerce in Texas. Christian Phillips. July 1974. 115 pages. \$3. TAMU-SG-74-218. NTIS—COM-75-10065/AS.

Analysis of the Role of the Gulf Intracoastal Waterway in Texas. John Miloy, et. al. December 1974. 246 pages. \$3. TAMU-SG-75-202. NTIS—PB-247-373.*

Summary Report: Analysis of the Role of the Gulf Intracoastal Waterway in Texas. John Miloy, et al. January 1975. 20 pages. TAMU-SG-75-203. NTIS—COM-75-10311/AS.*

Impact of Commercial Shrimp Landings on the Economy of Texas and Coastal Regions. Lonnie L. Jones, John W. Adams, Wade L. Griffin and Jeffrey Allen. December 1974. 18 pages. TAMU-SG-75-204.

Mexico's 200-Mile Offshore Fishing Zone: Its Impact on the U.S. Gulf of Mexico Shrimp Fishery. Wade L. Griffin and Bruce Beattie. August 1977. 35 pages. \$2. TAMU-SG-77-210. NTIS—PB-273-665/AS.*

Economic and Production Aspects of the Gulf of Mexico Shrimp Fishery. John P. Nichols, Wade L. Griffin and Vito

Blomo. *In* *Drugs and Food From the Sea — Myth or Reality?* (book). June 1978. 15 pages. \$1. TAMU-SG-78-801. NTIS—PB-286-017/AS.

Costs and Returns Data: Texas Shrimp Trawlers—Gulf of Mexico, 1964-1975. Wade L. Griffin, John P. Nichols, Robert G. Anderson, James E. Buckner and Charles M. Adams. September 1978. 97 pages. \$4. TAMU-SG-79-601. NTIS—PB-294-837/AS.

Costs and Returns Data: Florida-Based Gulf of Mexico Shrimp Trawlers, 1977. Vito J. Blomo and Wade L. Griffin. October 1978. 34 pages. \$3. TAMU-SG-79-604. NTIS—PB-292-193/AS.

Economic Impacts of Recreational Boat Fishing in the Houston-Galveston Area of the Texas Coast. Robert B. Ditton, Alan R. Graefe and Gary Lapotka. September 1980. 46 pages, 3 figures, 16 tables. \$2. TAMU-SG-80-206.

Groundfish Trawler Profitability. John P. Warren and Wade L. Griffin. *In* *Marine Fisheries Review*, August 1979. 8 pages, 2 figures, 10 tables. TAMU-SG-80-801.*

Costs and Returns Trends in the Gulf of Mexico Shrimp Industry, 1971-78. John P. Warren and Wade L. Griffin. *In* *Marine Fisheries Review*, February 1980. 7 pages, 4 figures, 5 tables. TAMU-SG-80-817.*

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Education

The Educational View. May 1970. 8 pages. TAMU-SG-70-109. NTIS—PB-195-089.*

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A Maritime Career: Opportunities Unlimited. Richard I. Hoskins. August 1974. 7 pages. TAMU-SG-74-302.*

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Trying to "Marinate" Your Curriculum? July 1979. TAMU-SG-79-406.

Careers in Oceanography. Robert B. Abel. January 1979. 12 pages. TAMU-SG-79-608.

Children's Literature — Passage to the Sea: A Guide for Teachers. Norma Bagnall. February 1980. 56 pages, 4 questionnaires, 22 pages of illustrations/patterns. \$2. TAMU-SG-80-401.

Vocational-Technical Marine Career Opportunities in Texas. Dewayne Hollin. March 1980. 22 pages, 7 photographs. TAMU-SG-80-402. NTIS—PB-80-206-071.

Marine Organisms in Science Teaching. John D. Hunt (ed.). September 1980. 198 pages. \$4. TAMU-SG-80-403.

Workshops in Marine Education. September 1980. 6 pages. TAMU-SG-80-404.

Mini-Learning Centers Set 1: Language Arts I. February 1981. 5 activity folders. \$5. TAMU-SG-81-401.

Fairy Tales of the Sea. Elizabeth Cowan and Karen Davis (comp.). February 1981. 152 pages, 9 original illustrations. \$4.50. TAMU-SG-81-402.

Fairy Tales of the Sea — Teacher's Guide. Donna Wiseman. February 1981. 28 pages. \$2. TAMU-SG-81-403.

Marine Education Through Children's Literature. Norma Bagnall. *In Current/The Journal of Marine Education*, Vol. 1, No. 2, Winter 1980. 4 pages. \$1. TAMU-SG-81-801.

Without Losing the Wonder: An Interview with Jan Adkins. Norma Bagnall. *In Language Arts*, May 1980. 7 pages. \$1. TAMU-SG-81-802.

Theodore Taylor: His Models of Self-Reliance. Norma Bagnall. *In Language Arts*, January 1980. 6 pages. \$1. TAMU-SG-81-803.

Children's Literature: Visions of Wonder and Enchantment. Norma Bagnall. *In Marine Technology*, October 1980. 4 pages. \$1. TAMU-SG-81-807.

*Out of print

Environmental Quality

The Effect of Salinity on the Removal of Some Aliphatic Ketones. Tariq A. Mahmoud and William B. Davis. July 1970. 106 pages. \$3. TAMU-SG-70-216. NTIS—PB-193-401.

The Biological Removal of Organics Under Variable Salinity Conditions. T. A. Mahmoud, William B. Davis and R. L. Irvine. August 1970. 20 pages. TAMU-SG-70-701.*

Noise Pollution: Effects and Control. Norman C. Whitehorn. June 1972. 4 pages. TAMU-SG-72-510.

Environmental Aspects of a Supertanker Port on the Texas Gulf Coast. December 1972. 445 pages. \$4. TAMU-SG-73-201. NTIS—COM-73-11101.*

Benthic Oxygen Demands of Houston Ship Channel Sediments. Tom D. Reynolds, Roy W. Hann, Jr. and William F. Priebe. June 1973. 58 pages. \$3. TAMU-SG-73-204. NTIS—COM-73-11329.

The Distribution of Heavy Metals in Reef-Dwelling Groupers in the Gulf of Mexico and Bahama Islands. Dan D. Taylor and Thomas J. Bright. May 1973. 249 pages. \$3. TAMU-SG-73-208. NTIS—COM-73-11311.

Management of Tank Washings in Marine and Coastal Commerce. John Ball, Donald G. Adams and Charles Alva Stryker. February 1975. 74 pages. \$3. TAMU-SG-74-221. NTIS—COM-75-11087/AS.

The Interrelationship of Material Toxicity, Stream Properties and Quantity of Spilled Material in Assessing the Risk of Hazardous Material Spills. Paul Alfred Jensen and Roy W. Hann, Jr. May 1976. 261 pages. \$5. TAMU-SG-75-212. NTIS—COM-75-11219/AS.

Analytical Models for the Evaluation of Supplemental Aeration in Texas Estuaries. Clark Alan Benson, Roy W. Hann, Jr. and Tom W. Reynolds. January 1976. 132 pages. \$3. TAMU-SG-75-213. NTIS—PB-259-098/AS.

History of Ocean Dumping in the Gulf of Mexico. Roy W. Hann, Jr., Thomas F. Zapatka, Marchi C. Zapatka and Charles Baskin. October 1976. \$4. TAMU-SG-77-201. NTIS—PB-262-441/AS.*

Evaluation of Safety Factors With Respect to Ocean Disposal of Waste Materials. Thomas F. Zapatka and Roy W. Hann, Jr. November 1976. 93 pages. \$4. TAMU-SG-77-202. NTIS—PB-263-400/AS.*

Maintenance Dredging Effects on Vegetation Adjacent to the Gulf Intracoastal Waterway-Cedar Lakes Section. Randy Vaughn and Clarissa Kimber. June 1977. 64 pages. \$3. TAMU-SG-77-207. NTIS—PB-269-568/AS.

Supplemental Aeration System Design for the Houston Ship Channel. Thomas Wayne Hoskings, Tom D. Reynolds and Roy W. Hann, Jr. October 1977. 220 pages. \$5. TAMU-SG-78-201. NTIS—PB-279-959/AS.

Environmental Management of a Ship Channel-Harbor Complex. Marvin William Reavis and Roy W. Hann, Jr. November 1977. 145 pages. \$4. TAMU-SG-78-202. NTIS—PB-278-145.

Technical and Philosophical Aspects of Ocean Disposal. Marchi C. Zapatka and Roy W. Hann, Jr. November 1977. 170 pages. \$4. TAMU-SG-78-203. NTIS—PB-279-971/AS.

Environmental Considerations Relating to Operation and Maintenance of the Texas Gulf Intracoastal Waterway. Wesley P. James, Steven Giesler, Robert DeOtte and Masamichi Inoue. November 1977. 230 pages. \$5. TAMU-SG-78-204. NTIS—PB-278-146.

Naturally Occurring Hydrocarbon Seeps in the Gulf of Mexico and the Caribbean Sea. Richard A. Geyer. 1979. 20 pages. TAMU-SG-79-806. NTIS—PB-301-376.*

Failure of Indicator Bacteria to Reflect the Occurrence of Enteroviruses in Marine Waters. Charles P. Gerba, et al. *In* AJPH, November 1979. 4 pages, 2 tables. TAMU-SG-80-805.*

Field Evaluation of Methods for the Detection of Enteric Viruses in Marine Sediments. C. P. Gerba, E. M. Smith, G. E. Schaiberger and T. D. Edmond. *In* Special Technical Publication 673, American Society for Testing and Materials, 1979. 11 pages, 4 tables, 2 figures. TAMU-SG-80-806.*

Bacterial Indicators and Environmental Factors as Related to Contamination of Oysters by Enteroviruses. Charles P. Gerba, Sagar M. Goyal, Irina Cech and Gregory F. Bogda. *In* Jour. of Food Protection, Vol. 43, No. 2. 3 pages, 1 table. \$1. TAMU-SG-80-812. NTIS—PB-81-112-393.

Stability of Simian Rotavirus in Fresh and Estuarine Water. Christon J. Hurst and Charles P. Gerba. *In* Applied and Environmental Microbiology, January 1980. 5 pages, 3 figures. TAMU-SG-80-814.*

Relationships Between Environmental Factors, Bacterial Indicators, and the Occurrence of Enteric Viruses in Estuarine Sediments. Raymond L. LaBelle, et al. *In* Applied and Environmental Microbiology, Vol. 39, No. 3, 1980. 9 pages, 3 tables, 3 figures. \$1. TAMU-SG-80-815. NTIS—PB-80-209-372.

Influence of Estuarine Sediment on Virus Survival Under Field Conditions. Raymond L. LaBelle and Charles P. Gerba. *In* Applied and Environmental Microbiology, Vol. 39, No. 4. 7 pages, 3 figures, 2 tables. \$1. TAMU-SG-80-816. NTIS—PB-81-119-216.

Distribution of Viral and Bacterial Pathogens in a Coastal Canal Community. Charles P. Gerba, Sagar M. Goyal, Eric M. Smith and Joseph L. Melnick. *In* Marine Pollution. Bull., Vol. 8, 1977. 4 pages, 1 figure, 3 tables. TAMU-SG-80-819. NTIS—PB-81-102-303.*

Development of a Quantitative Method for Detecting Enteroviruses in Estuarine Sediments. Charles P. Gerba, Eric

*Out of print

M. Smith and Joseph L. Melnick. *In Applied and Environmental Microbiology*, August 1977. 6 pages, 9 tables. TAMU-SG-80-820. NTIS—PB-81-102-436.*

Occurrence and Distribution of Bacterial Indicators and Pathogens in Canal Communities Along the Texas Coast. Sagar M. Goyal, Charles P. Gerba and Joseph L. Melnick. *In Applied and Environmental Microbiology*, August 1977. 11 pages, 7 tables, 6 figures. TAMU-SG-80-821. NTIS—PB-81-106-395.*

Prevalence of Human Enteric Viruses in Coastal Canal Communities. Sagar M. Goyal, Charles P. Gerba and Joseph L. Melnick. *In Journal Water Pollution Control*, October 1978. 10 pages, 5 tables, 1 figure. TAMU-SG-80-822. NTIS—PB-81-102-345.*

Concentration of Enteroviruses from Large Amounts of Tap Water, Treated Sewage, and Seawater. Charles P. Gerba, et al. *In Applied and Environmental Microbiology*, March 1978. 9 pages, 4 tables, 3 figures. TAMU-SG-80-823. NTIS—PB-81-106-403.*

Characterization of Sewage Solid-Associated Viruses and Behavior in Natural Waters. Charles P. Gerba, Charles H. Staff and Marc G. Abadie. *In Water Research*, Vol. 12. 7 pages, 8 tables. TAMU-SG-80-824.*

Role of Sediment in the Persistence of Enteroviruses in the Estuarine Environment. Eric M. Smith, Charles P. Gerba and Joseph L. Melnick. *In Applied and Environmental Microbiology*, April 1978. 5 pages, 4 figures, 1 table. TAMU-SG-80-825.*

Detection and Occurrence of Enteric Viruses in Shellfish: A Review. Charles P. Gerba and Sagar M. Goyal. *In Journal of Food Protection*, September 1978. 12 pages, 3 tables. TAMU-SG-80-826.*

R⁺ Bacteria in Estuarine Sediments. Sagar M. Goyal, Charles P. Gerba and Joseph L. Melnick. *In Marine Pollut. Bull.*, Vol. 10, 1979. 3 pages, 2 tables. TAMU-SG-80-827. NTIS—PB-81-102-295.*

Transferable Drug Resistance in Bacteria of Coastal Canal Water and Sediment. Sagar M. Goyal, Charles P. Gerba and Joseph L. Melnick. *In Water Research*, Vol. 13. 8 pages, 7 tables. TAMU-SG-80-828. NTIS—PB-81-102-279.*

Human Enteroviruses in Oysters and Their Overlying Waters. Sagar M. Goyal, Charles P. Gerba and Joseph L. Melnick. *In Applied and Environmental Microbiology*, March 1979. 10 pages, 5 tables, 1 figure. TAMU-SG-80-829. NTIS—PB-81-102-352.

Influence of pH, Salinity, and Organic Matter on the Adsorption of Enteric Viruses to Estuarine Sediment. Raymond L. LaBelle and Charles P. Gerba. *In Applied and Environmental Microbiology*, July 1979. 9 pages, 3 tables, 11 figures. TAMU-SG-80-830. NTIS—PB-81-102-428.*

Indicator Bacteria and the Occurrence of Viruses in Marine Waters. Charles P. Gerba. *In Aquatic Microbial Ecology*. 8 pages. TAMU-SG-80-834. NTIS—PB-81-102-410.*

Type and Strain Dependence of Enterovirus Adsorption to Activated Sludge, Soils and Estuarine Sediments. Charles P. Gerba, Sagar M. Goyal, Christon J. Hurst and Raymond L. LaBelle. *In Water Research*, Vol. 14, 1980. 2 pages, 1 table. \$1. TAMU-SG-81-805.

Thermostabilization of Enteroviruses by Estuarine Sediment. Pei-Fung Liew and Charles P. Gerba. *In Applied and Environmental Microbiology*, Vol. 40, No. 2, August 1980. 4 pages, 5 figures. \$1. TAMU-SG-81-808.

Phytogeography of South Padre Island, Texas. Robert I. Lonard and Frank W. Judd. *In The Southwestern Naturalist* 25(3), November 14, 1980. 10 pages, 2 tables. \$1. TAMU-SG-81-813.

Accumulation of Glutamate in Sea Anemones Exposed to Heavy Metals and Organic Amines. Margaret R. Kasschau, Merton M. Skaggs and Edward C. M. Chen. *In Bull. Environm. Contam. Toxicol.* 25 (1980). 6 pages, 2 tables. \$1. TAMU-SG-81-815.

Uptake and Survival of Enteric Viruses in the Blue Crab, *Callinectes sapidus*. Thomas W. Hejkal and Charles P. Gerba. *In Applied and Environmental Microbiology*, Vol. 41, No. 1, January 1981. 5 pages, 3 figures. \$1. TAMU-SG-81-816.

*Out of print

Fisheries

The Fisheries View. Bryant F. Cobb III. August 1970. 8 pages. TAMU-SG-70-115. NTIS—PB-195-091.*

Proceedings of the Symposium on Remote Sensing in Marine Biology and Fishery Resources. March 1971. 229 pages. \$4. TAMU-SG-71-106. NTIS—COM-71-50326.

The Coastal Fisheries of Texas. Johnnie H. Crance. July 1971. 12 pages. TAMU-SG-71-107.

The Biology of the Spot, *Leiostomus xanthurus* Lacepede, and Atlantic Croaker, *Micropogon undulatus* (Linnaeus), in Two Gulf of Mexico Nursery Areas. Jack C. Parker. May 1971. 70 pages. \$3. TAMU-SG-71-210. NTIS—COM-71-00778.

Ecological Aspects of Selected Crustacea of Two Marsh Embayments of the Texas Coast. Fred S. Conte and Jack C. Parker. June 1971. 184 pages. \$3. TAMU-SG-71-211. NTIS—COM-71-00963.

Progress in Electrical Shrimp Trawl Development. David L. Harrington. October 1970. 4 pages. TAMU-SG-71-501.

A Hydrophonic Study of the Feeding Activities of Western Atlantic Parrotfishes. John D. Sartori and Thomas J. Bright. \$3. TAMU-SG-72-203. NTIS—COM-73-10073.

Key to the Estuarine and Marine Fishes of Texas. Jack C. Parker. May 1972. 177 pages. \$7. TAMU-SG-72-402. NTIS—COM-75-10603/AS.

Artificial Reefs for Texas. December 1973. 39 pages. \$3. TAMU-SG-73-214. NTIS—COM-74-10853/AS.

Texas Seafood Symposium: A Summary Report. January 1974. 20 pages. TAMU-SG-74-101. NTIS—COM-74-10459.

Proceedings of an International Conference on Artificial Reefs. March 1974. 152 pages. \$4. TAMU-SG-74-103. NTIS—COM-75-10786.

Aspects of the Life History of the Atlantic Croaker, *Micropogon undulatus*. Michael L. White and Mark E. Chittenden, Jr. March 1976. 54 pages. \$2. TAMU-SG-76-205. NTIS—PB-256-105/AS.

Composition, Ecology and Dynamics of Demersal Fish Communities on the Northwestern Gulf of Mexico Continental Shelf, With a Similar Synopsis for the Entire Gulf. Mark E. Chittenden, Jr. and John D. McEachran. July 1976. 104 pages. \$4. TAMU-SG-76-208. NTIS—PB-259-081/AS.*

Composition of the Ichthyofauna Inhabiting the 110-M Bathymetric Contour of the Gulf of Mexico, Mississippi River to the Rio Grande. Mark E. Chittenden, Jr. and Donald Moore. July 1976. 15 pages. \$1. TAMU-SG-76-210. NTIS—PB-259-595.

Bottom Fishing Obstructions: Texas/Louisiana Gulf. Gary L. Graham. September 1977. 138 pages. TAMU-SG-76-502.* Replaced by TAMU-SG-81-501.

Proceedings of the First Annual Tropical and Subtropical Fisheries Technological Conference, Volumes I and II. Bryant F. Cobb III. October 1976. 686 pages. \$20. TAMU-SG-77-104 & 105. NTIS—PB-263-399/AS and PB-264-594/AS.*

Stop Shrimp "Black Spot". Ranzell Nickelson II and Bruce Cox. April 1977. 4 pages. TAMU-SG-77-504.

Proceedings of the Second Annual Tropical and Subtropical Fisheries Technological Conference of the Americas. Ranzell Nickelson II (comp.). October 1977. 338 pages. \$10. TAMU-SG-78-101. NTIS—PB-279-405.

Proceedings of the Third Tropical and Subtropical Fisheries Technological Conference of the Americas. September 1978. 365 pages. \$10. TAMU-SG-79-101.

Proceedings of the Fourth Annual Tropical and Subtropical Fisheries Technological Conference of the Americas. Ranzell Nickelson II (comp.). September 1979. 254 pages. \$10. TAMU-SG-80-101.

Simulations of the Effects of Fishing on the Atlantic Croaker, *Micropogon Undulatus*. Mark E. Chittenden, Jr. In *Proceedings of the Gulf and Caribbean Fisheries Institute, 29th Annual Session, 1977*. 19 pages, 4 tables, 6 figures. TAMU-SG-80-831. NTIS—PB-81-104-978.*

Composition of the Ichthyofauna Inhabiting the 110-Meter Bathymetric Contour of the Gulf of Mexico, Mississippi River to the Rio Grande. Mark E. Chittenden, Jr. and Donald Moore. In *Northeast Gulf Science*, December 1977. 9 pages, 1 table, 1 figure. TAMU-SG-80-832.* See TAMU-SG-76-210.

Age Determination, Reproduction, and Population Dynamics of the Atlantic Croaker, *Micropogonias Undulatus*. Michael L. White and Mark E. Chittenden, Jr., In *Fishery Bulletin*, Vol. 75, No. 1, 1977. 15 pages, 9 figures, 2 tables. TAMU-SG-80-833.*

Proceedings of the Fifth Annual Tropical and Subtropical Fisheries Technological Conference of the Americas. Ranzell Nickelson II (comp.). September 1980. 256 pages. \$10. TAMU-SG-81-101.

"Hangs" and Bottom Obstructions of the Texas/Louisiana Gulf: Loran C. Gary L. Graham. November 1980. 120 pages, 55 double-page charts. \$5. TAMU-SG-81-501.

The Comparative Reproductive Physiology of Sea Turtles. David W. Owens. In *Amer. Zool.*, 200 (1980). 15 pages, 6 figures, 4 tables. \$1. TAMU-SG-81-810.

*Out of print

Mariculture

Influence of Diet on the Feeding Behavior, Growth and Thermal Resistance of Postlarval *Penaeus aztecus* and *P. setiferus*. Mahmudul Karim and David V. Aldrich. September 1970. 80 pages. \$3. TAMU-SG-70-226. NTIS—PB-196-056.*

Effects of Temperature and Salinity on Thermal Death in Postlarval Brown Shrimp, *Penaeus aztecus*. Larry Milton Weisepape and David V. Aldrich. October 1970. 70 pages. \$3. TAMU-SG-71-201. NTIS—PB-195-175.*

Thermal Resistance and Acclimation At Various Salinities in the Sheepshead Minnow (*Cyprinodon Variegatus* Lacepede). Herbert Benton Simmons. May 1971. 41 pages. \$3. TAMU-SG-71-205. NTIS—PB-197-662.*

Distribution of Aquatic Macro-Fauna in a Marsh on West Galveston Bay, Texas and Possible Effects Thereon Resulting from Impoundments for Shrimp Culture. Jack C. Parker, Hoyt W. Holcomb, Jr., Wallace G. Klussmann and James C. McNeill. March 1971. 32 pages. \$3. TAMU-SG-71-208. NTIS—PB-199-196.*

Effects of Temperature and Salinity on Growth, Food Conversion, Survival and Temperature Resistance of Juvenile Blue Crabs, *Callinectes sapidus* Rathbun. J. S. Holland, D. V. Aldrich and Kirk Strawn. August 1971. 166 pages. \$3. TAMU-SG-71-222. NTIS—COM-71-01036.

Predominant Bacteria of Fish and Shellfish. D. H. Lewis, December 1972. TAMU-SG-71-402.*

The Cage Culture of Some Marine Fishes in the Intake and Discharge Canals of a Steam-Electric Generating Station, Galveston Bay, Texas. Rocco Anthony Marcello, Jr. and R. Kirk Strawn. September 1972. 267 pages. \$3. TAMU-SG-72-206. NTIS—COM-73-10140.

Effect of Fish Removal on the Growth and Condition of White Shrimp, *Penaeus setiferus* (Linnaeus), in Brackish Ponds. Jack C. Parker, Hoyt W. Holcomb, Jr., Wallace G. Klussmann and James C. McNeill IV. June 1972. 12 pages. TAMU-SG-72-701. NTIS—COM-72-11134.

Nutritional Requirements of Brown Shrimp, *Penaeus aztecus*. K. L. Shewbart, W. L. Mies and P. D. Ludwig. April 1973. 53 pages. \$3. TAMU-SG-73-205. NTIS—COM-73-11794.*

Shrimp: Coastal Crop for Texas. September 1973. 4 pages. TAMU-SG-74-102.

Ectocommensals and Parasites of Shrimp from Texas Rearing Ponds. S. K. Johnson. January 1974. 19 pages. \$1. TAMU-SG-74-207. NTIS—COM-74-10455.*

Syllabus of Fish Health Management. George W. Klontz. December 1973. 218 pages. \$10. TAMU-SG-74-401. NTIS—COM-74-10692.*

Growth and Mortality of Two Groups of Oysters, (*Crassostrea Virginica* Gmelin), Maintained in Cooling Water at an Estuarine Electric Power Generating Station. Gill H. Gilmore, Sammy M. Ray and David V. Aldrich. January 1975. 67 pages. \$3. TAMU-SG-75-207. NTIS—COM-75-10722.

Salinity Preference of Postlarval Brown and White Shrimp (*Penaeus aztecus* and *P. setiferus*) in Gradient Tanks. Richard K. Keiser, Jr. and David V. Aldrich. May 1976. 260 pages. \$5. TAMU-SG-75-208. NTIS—PB-259-697/AS.

Handbook of Shrimp Diseases. S. K. Johnson. January 1975. 20 pages. TAMU-SG-75-603. NTIS—COM-75-10653.

Thermal Resistance and Acclimation Rate in Young White and Brown Shrimp, *Penaeus setiferus* Linn, and *Penaeus aztecus* Ives. Larry M. Wiesepape. November 1975. 196 pages. \$4. TAMU-SG-76-202. NTIS—PB-250-064/AS.

Crawfish and Freshwater Shrimp Diseases. S. K. Johnson. August 1977. 20 pages. No charge for single copies. \$2 for orders of 2-10 copies. TAMU-SG-77-605. NTIS—PB-275-958/AS.

Proceedings of the Second Biennial Crustacean Health Workshop. D. H. Lewis and J. K. Leong. July 1979. 406 pages. \$15. TAMU-SG-79-114.

Stained Bacterial Antigens for Use in Microagglutination Procedures. T. E. Eurell, D. H. Lewis and L. C. Grumbles. *In The Progressive Fish-Culturist*, Vol. 41, No. 2, April 1979. 3 pages, 2 figures, 1 table. TAMU-SG-79-805. NTIS—PB-301-386.*

Bio-Engineering-Economic Model for Shrimp Mariculture Systems. C. M. Adams, W. L. Griffin, J. P. Nichols and R. W. Brick. May 1980. 125 pages, 7 figures, 4 tables. \$4. TAMU-SG-80-203. NTIS—PB-80-23308.

The Role of Bacteria in the Uptake of Hexoses from Seawater by Postlarval Penaeid Shrimp. Frank L. Castille, Jr. and Addison L. Lawrence. *In Comp. Biochem. Physiol.*, Vol. 64A, 1979. 7 pages, 2 tables, 4 figures. TAMU-SG-80-804.*

Application of a Bio-Economic-Engineering Model for Shrimp Mariculture Systems. Charles M. Adams, Wade L. Griffin, John P. Nichols and Robert E. Brick. *In Southern Journal of Agricultural Economics*, July 1980. 7 pages, 2 figures. TAMU-SG-80-835. NTIS—PB-81-102-378.*

Mixed Infection in Columnaris Disease of Fish. J. E. Marks, D. H. Lewis and G. S. Trevino. *In Journal of the American Veterinary Medical Association*, Vol. 177, No. 9, November 1980. 4 pages, 1 table, 6 figures. \$1. TAMU-SG-81-811.

Ultrastructural Localization of Peroxidase Activity in Neutrophil Leukocytes of *Ictalurus Punctatus*. M. Samuel Cannon, Hilton H. Mollenhauer, Anita M. Cannon, Thomas E. Eurell and Donald H. Lewis. *In Canadian Journal of Zoology*, Vol. 58, No. 6, 1980. 4 pages, 2 figures. TAMU-SG-81-812.

*Out of print

A Comparison of the Capabilities of Juvenile and Adult *Penaeus Setiferus* and *Penaeus Stylirostris* to Regulate the Osmotic, Sodium, and Chloride Concentrations in the Hemolymph. Frank L. Castille, Jr. and Addison L. Lawrence. *In* Comp. Biochem. Physiol. Vol. 68A, 1981. 4 pages, 2 tables. \$1. TAMU-SG-81-818.

Oceanography

West Flower Gardens Research Facility. December 1970.
22 pages. TAMU-SG-71-103.*

Electrical Resistivity Logging in Unconsolidated Sediments.
William E. Sweet, Jr. August 1972. 142 pages. \$3.
TAMU-SG-72-205.

**The Occurrence and Distribution of the Hydroids of the
Galveston Bay, Texas, Area.** Richard E. Defenbaugh and
Sewell H. Hopkins. June 1973. 202 pages. \$3. TAMU-
SG-73-210. NTIS—COM-73-11410.*

Systematics Collection. Richard M. Hammer. August 1975.
4 pages. TAMU-SG-75-101.

Water Temperature on the Texas-Louisiana Shelf. Paul C.
Etter and John D. Cochrane. August 1975. 24 pages.
TAMU-SG-75-604.

**List of Catalogued Invertebrate Species in the Texas A&M
University Systematic Collection.** Linda H. Pequegnat. Oc-
tober 1975. 109 pages. \$3. TAMU-SG-76-601. NTIS—
PB-248-879/AS.

**List of Catalogued Fish Species in the Texas A&M Universi-
ty Systematic Collection of Marine Organisms.** Linda H.
Pequegnat, Willis E. Pequegnat and Rezneat M. Darnell.
February 1977. 42 pages. \$3. TAMU-SG-77-602.
NTIS—PB-268-738/AS.

**The Role of Sulfate Exclusion in Buoyancy Maintenance by
Siphonophores and Other Oceanic Gelatinous Zooplankton.**
Robert R. Bidigare and Douglas C. Biggs. *In Comp.*
Biochem. Physiol., Vol. 66A 5 pages, 2 tables, 1 figure.
TAMU-SG-80-818. NTIS—PB-80-225-501.*

*Out of print

Recreation

The Leisure View. Clare A. Gunn, June 1970. 16 pages. TAMU-SG-70-110. NTIS—PB-192-956.*

Survey of the Texas Gulf Coast. Kathryn M. Delaune. May 1971. 4 pages. TAMU-SG-71-506.*

Proceedings of the Recreational Boating Seminar. Kathryn M. Delaune (comp.). January 1972. 80 pages. \$3. TAMU-SG-72-103. NTIS—COM-72-10374.

Proceedings of the Marina Management and Operation Seminar. Kathryn M. Delaune (comp.). May 1972. 78 pages. \$3. TAMU-SG-72-105. NTIS—COM-73-10068.

Forecast for Recreational Boating. John R. Douglas. February 1972. 4 pages. TAMU-SG-72-504.*

Recreational Boating Seminar Held in Galveston, Texas, December 17, 1971. Kathryn M. Delaune. April 1972. 2 pages. TAMU-SG-72-506.*

Rigging and Giggling for Flounder. J. S. Holland, Jr. and Johnie H. Crance. December 1972. 4 pages. TAMU-SG-72-515.

An Economic Inventory of Recreation and Tourism within the Texas Coastal Zone. Billie I. Ingram. August 1973. 230 pages. \$3. TAMU-SG-73-209. NTIS—COM-73-11734.

Marina Association of Texas Formally Organized January 16, 1973. Kathryn M. Delaune. March 1973. 2 pages. TAMU-SG-73-501.*

Water-Related Recreational Complexes Seminar. Kathryn M. Delaune. February 1974. 2 pages. TAMU-SG-74-505.

A Recreational Guide to the Central Texas Coast. Edwin Doran, Jr. and Bernard P. Brown. June 1975. 131 pages. \$2. TAMU-SG-75-606.

A Feasibility, Management and Economic Study of Marinas on the Texas Gulf Coast. John L. Crompton and Robert B. Ditton. 51 pages. \$2. TAMU-SG-76-201. NTIS—PB-247-571/AS.

Sport Shrimp Trawling. Gary L. Graham. January 1976. 7 pages. TAMU-SG-76-503.

Protection for Small Craft Marinas. John B. Herbich and Jack Y. K. Lou. May 1977. 4 pages. TAMU-SG-77-505.

Barrier Islands on the Texas Coast: Existing and Future Recreational Use and Development. R. B. Ditton, C. E. Alling, D. D. Beardsley, J. M. Falk, D. W. Pybas. August 1979. 129 pages. \$5. TAMU-SG-79-203.

Charter Boat Fishermen on the Texas Coast. Thomas J. Mertens. November 1978. TAMU-SG-79-603. NTIS—PB-291-133.*

Fishing the Texas Surf. Tony Fedler. November 1978. 24 pages. TAMU-SG-79-605.

Access to and Usage of Offshore Liberty Ship Reefs in Texas. R. B. Ditton, A. R. Graefe, A. J. Fedler and J. D. Swartz. *In Marine Fisheries Review*, September 1979. 7 pages, 3 photographs, 5 figures, 4 tables. \$1. TAMU-SG-80-803.

Marinas Along the Texas Gulf Coast — A Directory. Malon Scogin and Dewayne Hollin. February 1981. 16 pages, 1 map, 6 charts. TAMU-SG-81-502.

Predicting Marine Recreational Fishing Patterns from Boat Characteristics and Equipment. Robert B. Ditton, Alan R. Graefe and Anthony J. Fedler. *In Transactions of the American Fisheries Society* 109 (1980). 5 pages, 1 figure, 4 tables. \$1. TAMU-SG-81-814.

*Out of print

References

Texas Studies the Ocean. October 1969. 15 pages.
TAMU-SG-70-101.*

Texas A&M University Sea Grant Publications for the Offshore Industry. April 1979. TAMU-SG-79-609.

Bibliography on Dredging. John B. Herbich and R. H. Snider. September 1969. 20 pages. \$3. TAMU-SG-70-203. NTIS—PB-188-109.*

Annotated Bibliography of Resources Use: Texas Gulf Coast. Clare A. Gunn. November 1969. 387 pages. \$3. TAMU-SG-70-204. NTIS—PB-189-780.*

Infectious Diseases and Host Response of Marine Fish. A Partially Annotated Bibliography. October 1970. 104 pages. \$3. TAMU-SG-71-401. NTIS—PB-196-970.*

Marine Resources Capabilities in Texas: Directory of Personnel in Educational Institutions. Norman C. Whitehorn and Eugene B. Smith (comp.). July 1971. 221 pages. TAMU-SG-71-602. NTIS—COM-71-00909.* Replaced by TAMU-SG-72-604.

Marine Resource Capabilities in Texas: Directory of Personnel in Government Agencies. Norman C. Whitehorn (comp.). February 1972. 97 pages. \$3. TAMU-SG-72-602. NTIS—COM-72-10673.

Marine Resources Capabilities in Texas: Directory of Facilities. Norman C. Whitehorn (comp.). May 1972. 59 pages. \$3. TAMU-SG-72-603.

Marine Resources Capabilities in Texas: Directory of Personnel in Educational Institutions. Norman C. Whitehorn (comp.). June 1972. 191 pages. \$3. TAMU-SG-72-604. NTIS—COM-72-10822.

A Bibliography of Offshore Pipeline Literature. N. W. Lai, S. J. Campbell, R. F. Dominguez and W. A. Dunlap. June 1973. 127 pages. \$3. TAMU-SG-74-206. NTIS—COM-74-11387/AS.

Bibliography of Maritime and Naval History Periodical Articles Published 1972-1973. Charles R. Schultz. August 1974. 56 pages. \$3. TAMU-SG-75-601. NTIS—COM-75-11775/AS.

Sea Grant Publications for the Offshore Industry. April 1975. 12 pages. TAMU-SG-75-605. Replaced by TAMU-SG-77-604.

Bibliography of Maritime and Naval History Periodical Articles Published 1974-75. Charles R. Schultz and Pamela A. McNulty. September 1976. 160 pages. \$4. TAMU-SG-77-601. NTIS—PB-262-462/AS*

Sea Grant Publications for the Offshore Industry. April 1977. 14 pages. TAMU-SG-77-604.

Bibliography of Maritime and Naval History Periodical Articles Published 1976-1977. Charles R. Schultz. February 1979. 90 pages. \$4. TAMU-SG-79-607.

*Out of print

Resources Management

The Legal-Administrative View. June 1970. 16 pages.
TAMU-SG-70-112. NTIS—PB-195-079.*

The Gulf States' Role in the Coastal Zone. Ray Lemmon.
May 1970. 13 pages. TAMU-SG-70-302.*

Political Consideration in the Management of the Coastal Zone. Gus F. Mutscher. August 1970. 6 pages. TAMU-SG-70-303.*

Coastal Land Resources Conference Proceedings. September 1970. 111 pages. TAMU-SG-71-101. NTIS—COM-71-00726.

Goals for Texas in the Coastal Zone and the Sea. January 1971. 20 pages. TAMU-SG-71-102. NTIS—COM-71-00239.*

Report of the Interim Study Committee of Oceanography. Ray Lemmon (chairman). February 1971. 22 pages.
TAMU-SG-71-105. NTIS—COM-71-00492.*

The Estuarine Zone: Uses and Concerns. Johnie H. Crance.
November 1971. TAMU-SG-71-108. NTIS—COM-72-10110.*

Sea Law Program Underway at University of Houston. Eliezer Erel. February 1971. 2 pages. TAMU-SG-71-502.

Port Planning — Local, State or Federal? Daniel M. Bragg.
August 1973. 4 pages. TAMU-SG-73-506.*

Recent Federal Legislation Significant in Environmental Planning Programs of the State of Texas. Reginald Hirsch, Carl Everett and Carol Dinkins. February 1973. 19 pages.
\$2. TAMU-SG-73-602. NTIS—COM-73-10617.*

Legal Assurances of Adequate Flows of Fresh Water into Texas Bays and Estuaries to Maintain Proper Salinity Levels. Corwin W. Johnson. March 1973. 43 pages. \$1.
TAMU-SG-73-604.

Texas Navigation Districts and Regional Planning in the Texas Gulf Coast Area. G. Sidney Buchanan. March 1973. 65 pages. \$1. TAMU-SG-73-605. NTIS—COM-73-11308.*

Comparative Aspects of Coastal Zone Management Background Information on the Law of Texas and Other States in View of the Coastal Zone Management Act of 1972. Carol Dinkins. August 1973. 38 pages. \$3. TAMU-SG-73-607. NTIS—COM-73-11512/AS.*

Resource Evaluation Studies on the Matagorda Bay Area, Texas. Wayne Ahr, James Daubenspeck, Harold W. Harry, Barry Holliday, Thomas G. Littleton, John Miloy and Larry Vetter. September 1973. 161 pages. \$3. TAMU-SG-74-204. NTIS—COM-74-11706/AS.

Survey of the Steamboat Black Cloud. Robert M. Adams, et al. October 1980. 47 pages, 15 figures, 4 photographs. \$3. TAMU-SG-81-201.

*Out of print

Seafood Marketing

A Study of the Marketing Channels for Fresh Finfish in the Texas Fishing Industry. Samuel M. Gillespie and Jon Layne Gregory. September 1971. \$3. TAMU-SG-71-220. NTIS—COM-72-10138.*

An Experimental Study of Seafood Merchandising Strategies in a Supermarket. Samuel M. Gillespie and Stephen M. Loomis. November 1971. \$3. TAMU-SG-71-221. NTIS—COM-71-01120.*

Retail Seafood Merchandising Manual. Samuel M. Gillespie, William B. Schwartz and Mary Ann Beard. March 1974. 96 pages. Free to Texas residents; others. \$3. TAMU-SG-72-401.* Replaced by TAMU-SG-77-401.

Selling Seafood Successfully. Samuel M. Gillespie, Bill Schwartz and Mary Ann Stutts. July 1973. 4 pages. TAMU-SG-73-505.

Seafood Marketing Facilities: Design Recommendation. Samuel M. Gillespie, Russell L. Stogsdill and Bill Schwartz. December 1973. TAMU-SG-73-507.*

Utilization of Finfishes Caught Incidental to Shrimp Trawling in the Western Gulf of Mexico; Part I: Evaluation of Markets. Vito J. Blomo and John P. Nichols. June 1974. 85 pages. \$3. TAMU-SG-74-212. NTIS—COM-74-11809/AS.

An Analysis of Seafood Consumption Patterns and Product Perceptions in Texas. Samuel M. Gillespie and Michael J. Houston. August 1975. 53 pages. \$2. TAMU-SG-75-216. NTIS—PB-248-115/AS.

Seafood Retailing. Samuel M. Gillespie and William B. Schwartz. February 1977. 124 pages. \$5. TAMU-SG-77-401.

Marketing Alternatives for Fishermen. John P. Nichols, et al. May 1980. 46 pages, 6 tables. \$2. TAMU-SG-80-204. NTIS—PB-80-223-381.

Directory of Texas Seafood Wholesalers. Mike Lang. June 1980. 16 pages, 69 entries. TAMU-SG-80-511.

*Out of print

Seafood Preparation

How to Freeze and Store Seafoods at Home. Johnie H. Crance and Sally E. Springer. 12 pages. TAMU-SG-72-507.* Replaced by TAMU-SG-77-503.

Now That You've Caught That Fish... What Are You Going to Do With It? Ranzell Nickelson II and Don W. Steinbach. November 1975. 4 pages. TAMU-SG-76-501.

Freezing Fish and Shellfish. Ranzell Nickelson II and Sally Springer. June 1977. 8 pages. TAMU-SG-77-503.

Stay Slim With Seafood. Annette Reddell. August 1978. 8 pages, 2 color photographs, 1 illustration. TAMU-SG-78-110.

Shark as Seafood. Annette Reddell. June 1979. 6 pages. TAMU-SG-79-503.

Ah-h-h! Texas Shrimp! Annette Reddell. June 1979. 6 pages. TAMU-SG-79-504.

Sauces for Seafood. Annette Reddell. November 1979. 6 pages. TAMU-SG-80-501.

Texas Fish Recipes. Annette Reddell. September 1979. 6 pages. TAMU-SG-80-502.

Shrimp in Microwave Cookery. Annette Reddell. March 1980. 40 pages, 40 shrimp recipes. \$2. TAMU-SG-80-505.

Make It With Mullet. Barbara Rowland and Annette Reddell. June 1980. 6 pages. TAMU-SG-80-509.

Swordfish Fare. Barbara Rowland and Annette Reddell. June 1980. 6 pages. TAMU-SG-80-510.

*Out of print

Seafood Technology

Development of a Process for Preparing a Fish Protein Concentrate Which Can Be Reconstituted Into a Meat-Like Product. Kamaluddin Hyder and Bryant F. Cobb III. March 1972. 92 pages. \$3. TAMU-SG-72-201.

New Sanitation Laws Proposed. Ranzell Nickelson II. February 1972. 4 pages. TAMU-SG-72-503.*

Seafood Quality Control: Boats/Embarcaciones. Ranzell Nickelson II and Manuel Piña, Jr. April 1972. 8 pages. TAMU-SG-72-508. NTIS—COM-72-11227.

Seafood Quality Control: Processing Plants. Ranzell Nickelson II. June 1972. 8 pages. TAMU-SG-72-511.*

Predominant Aerobic Bacteria of Fish and Shellfish. D. H. Lewis. May 1973. 102 pages. \$3. TAMU-SG-73-401. NTIS—COM-73-11042.*

Seafood Quality Control: A Manual for Processing Plant Personnel. Ranzell Nickelson II and Manuel Piña, Jr. June 1973. 8 pages. \$3. TAMU-SG-73-504. NTIS—COM-73-11524.

Role of Microorganisms in Shrimp Quality: A Research Summary. Carl Vanderzant, B. F. Cobb and Ranzell Nickelson. January 1974. 46 pages. \$3. TAMU-SG-74-201. NTIS—COM-74-10715.

Ammonia-Producing Enzymes in White Shrimp Tails. Chia-Ping S. Yeh, Ranzell Nickelson II and Gunnar Finne. *In J. of Food Sci.* Vol. 43, No. 5 (1978). 3 pages, 3 figures. \$1. TAMU-SG-79-802.

Occurrence and Control of Salmonella in Freshwater Catfish. L. E. Wyatt, R. Nickelson II and C. Vanderzant. *In J. of Food Sci.*, Vol. 44 (1979). 4 pages, 2 figures, 2 tables. \$1. TAMU-SG-79-807.

Use of a Specific-Ion Electrode (Ammonia) in Determining the Quality of Shrimp. D. R. Ward, G. Finne and R. Nickelson II. *In J. of Food Sci.*, Vol. 44 (1979). 4 pages, 5 figures. \$1. TAMU-SG-79-808.

Edwardsiella Tara in Freshwater Catfish and Their Environment. Lawrence E. Wyatt, Ranzell Nickelson II and Carl Vanderzant. *In Applied and Environmental Microbiology*, Vol. 38, No. 4, October 1979. 4 pages, 3 tables. \$1. TAMU-SG-80-802.

Stability of Adenosine Deaminase and Adenosine Monophosphate Deaminase During Ice Storage of Pink and Brown Shrimp from the Gulf of Mexico. Wai Lun Cheuk, Gunnar Finne and Ranzell Nickelson II. *In J. Food Sci.* 44(6), 1979. 4 pages, 4 figures. \$1. TAMU-SG-80-807.

Fatty Acid Stability of Gulf of Mexico Brown Shrimp (*Peneaus aztecus*) Held on Ice and in Frozen Storage. Nestor R. Bottino, Martha L. Lilly and Gunnar Finne. *In*

J. Food Sci. 44(6), 1979. 2 pages, 3 tables. \$1. TAMU-SG-80-808.

Presence, Growth and Survival of *Yersinia enterocolitica* in Oysters, Shrimp and Crab. S. S. Peixotto, G. Finne, M. O. Hanna and C. Vanderzant. *In Journal of Food Protection*, Vol. 42, No. 12. December 1979. 8 pages, 10 figures, 3 tables. \$1. TAMU-SG-80-809. NTIS—PB-80-174-659.

Effects of Sampling Procedures on Salmonella Recovery from Fresh Water Catfish. Lawrence E. Wyatt, Ranzell Nickelson II and Carl Vanderzant. *In J. of Food Protection*, Vol. 43, No. 1, January 1980. 3 pages, 1 table. \$1. TAMU-SG-80-810.

Shelf-Life Studies on Carbon Dioxide Packaged Finfish from the Gulf of Mexico. Harrel Banks, Ranzell Nickelson II and Gunnar Finne. *In J. Food Sci.*, Vol. 45, No. 2, 1980. 5 pages, 13 figures. \$1. TAMU-SG-80-813. NTIS—PB-80-209-380.

Minced Fish Flesh From Nontraditional Gulf of Mexico Finfish Species: Bacteriology. Ranzell Nickelson II, Gunnar Finne, Mary O. Hanna and Carl Vanderzant. *In J. Food Sci.* (45)5, 1980. 6 pages, 9 tables. \$1. TAMU-SG-81-804.

Minced Fish Flesh From Nontraditional Gulf of Mexico Finfish Species: Yield and Composition. Gunnar Finne, Ranzell Nickelson II, Annette Quimby and Nina Connally. *In J. Food Sci.* 45(5), 1980. 4 pages, 1 figure, 4 tables. \$1. TAMU-SG-81-806.

Sea Grant Program

- Texas Marine Resources and the Sea Grant Program. October 1969. 165 pages. TAMU-SG-70-102. NTIS—PB-189-268.*
- Marine Affairs in Texas: A Report for 1968-69. December 1969. 17 pages. TAMU-SG-70-103. NTIS—PB-188-955.*
- Report of Sea Grant Project Activities 1968-69. December 1969. 115 pages. TAMU-SG-70-104. NTIS—PB-188-954.*
- Sea Grant. . . Goals and Accomplishments. John C. Calhoun. March 1970. 19 pages. \$3. TAMU-SG-70-301. NTIS—PB-188-106.*
- Sea Grant Program Activities, 1969-70. December 1970. 97 pages. TAMU-SG-71-104. NTIS—COM-71-00789.
- Man's Return to the Sea. Athelstan Spillhaus. November 1971. TAMU-SG-71-301.*
- Sea Grant Program Annual Report, 1970-71. January 1972. 211 pages. TAMU-SG-72-104.
- 5th National Sea Grant Conference Proceedings. February 1973. 251 pages. \$3. TAMU-SG-73-101.
- Sea Grant: Impact on a Nation. John C. Calhoun. March 1973. 9 pages. TAMU-SG-73-301. NTIS—COM-73-10591.*
- Texas A&M University Sea Grant College Report 1972-73. The University and the Sea, Special Issue. Vol. 7, No. 2, March/April. 40 pages.*
- 1974-75 Sea Grant College Program Annual Report, Texas A&M University. July 1976. 127 pages. TAMU-SG-76-603.
- Texas A&M University Sea Grant College Program 1974-75. Laura Colunga (ed.). December 1976. 24 pages. TAMU-SG-77-107. NTIS—PB-267-058/AS.
- Advisory Services for Marine Industry. April 1977. TAMU-SG-77-109.* Replaced by TAMU-SG-79-113.
- Readership Study of The University and the Sea. Samuel M. Gillespie. July 1977. 97 pages. TAMU-SG-77-211. NTIS—PB-274-679/AS.*
- Texas A&M University Sea Grant College Program 1975-76 and 1976-77. Laura Colunga (ed.). April 1978. 20 pages. TAMU-SG-78-106. NTIS—PB-283-052/AS.*
- Marine Advisory Service for Industry. May 1978. TAMU-SG-78-109.* Replaced by TAMU-SG-79-113.
- Readership Study of "Sea Grant '70s". Samuel M. Gillespie. November 1977. 117 pages. TAMU-SG-78-205. NTIS—PB-280-038/AS.*
- Marine Advisory Service to Industry. May 1979. TAMU-SG-79-113.
- Sea Grant College Program Annual Report 1977-78. December 1978. 24 pages. TAMU-SG-79-116.
- Marine Advisory Program. May 1979. TAMU-SG-79-117.*
- Texas A&M University Sea Grant College Program/Program Directory 1978-79. November 1978. 24 pages. TAMU-SG-79-606.*
- Sea Grant College Program/Texas A&M University/Directory—1979-80. September 1979. 16 pages. TAMU-SG-80-603.*
- Sea Grant College Program/Texas A&M University/Directory — 1980-81. March 1981. 12 pages. TAMU-SG-81-602.

*Out of print

Transportation

The Ports and Waterways View. August 1970. 13 pages.
TAMU-SG-70-114. NTIS—PB-195-090.

Work Plan for a Study of the Feasibility of an Offshore Port Terminal in the Texas Gulf Coast Region. Dan M. Bragg and James R. Bradley. June 1971. 30 pages. TAMU-SG-71-212. NTIS—COM-71-00876.

Port and Harbor Development System. Russell L. Stogsdill. November 1971. \$4. TAMU-SG-71-216. NTIS—COM-72-10238.

Texas Waterborne Commerce Commodity Flow Statistics. Jack T. Lamkin. W. R. Lowery. June 1973. 115 pages. \$3. TAMU-SG-73-207. NTIS—COM-74-10083.

A Survey of the Economic and Environmental Aspects of an Onshore Deepwater Port at Galveston, Texas; Part I: Potential Economic Effects; Part II: Environmental Considerations. Daniel M. Bragg, Roy W. Hann, Jr. and Wesley P. James. April 1974. Part I - 57 pages. \$3. Part II - 45 pages. \$3. TAMU-SG-74-213 and 214. NTIS—COM-74-11030/AS and COM-74-11031/AS.

Cost-Efficient Cargo Distribution Among Transportation Modes. Christian Phillips. March 1976. 78 pages. \$3. TAMU-SG-76-206. NTIS—PB-253-1369.

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