

United States Department of the Interior

Fish and Wildlife Service

Fishery Leaflet 6

Washington, D. C.

Revised August 1950

SOME PUBLICATIONS ON FISH CULTURE AND RELATED SUBJECTS

Prepared in the Branch of Game-fish and Hatcheries

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The supply for free distribution of the publications shown as being available from the Fish and Wildlife Service is limited, hence no more than 1 copy, each, of 5 Fish and Wildlife Service free publications may be sent to an individual. Publications are grouped under general subjects, but within groups they have not been put into any particular sequence.

DISEASES AND PARASITES

*Disease control in hatchery fish. By Frederic F. Fish. Fishery Leaflet 222. 10 pp.

*Mortality of fish in fresh water ponds and lakes. Fishery Leaflet 112, 2 pp.

Dosage of sulfamerazine in the treatment of furunculosis in brook trout. By J. S. Gutsell and S. F. Snieszko. Vol. 76 (1946), Transactions of the American Fisheries Society. Available from W. C. Beckman, Librarian, American Fisheries Society, Colorado A & M College, Fort Collins, Colorado.

Care and diseases of trout. By H. S. Davis, Research Report 12. Fish and Wildlife Service. Available from Superintendent of Documents, Government Printing Office, Washington 25, D. C. Price 35¢.

Studies of the protozoan parasites of fresh-water fishes. Fishery Bulletin 41. Fish and Wildlife Service. Available from Superintendent of Documents, Government Printing Office, Washington 25, D. C. Price 30¢.

Furunculosis in fish: its diagnosis and treatment. By J. S. Gutsell and S. F. Snieszko. Veterinary Medicine. Vol. XLIII, No. 11, Nov. 1948. Available from Veterinary Magazine Corporation, 7632 S. Crandon Avenue, Chicago 49, Illinois. Price 60¢.

*Available from Fish and Wildlife Service, Washington 25, D. C.

DISEASES AND PARASITES (CONT.)

Out of Print Publications Which May be Available in Some Libraries:

- Pyridylmercuric acetate: its toxicity to fish, efficacy in disease control, any applicability to a simplified treatment technique. By R. E. Burrows and D. D. Palmer. *Progressive Fish-Culturist*, July 1949.
- Pyridylmercuric acetate technical: its use in control of gill disease and some external parasitic infestations. By S. F. Snieszko. *Progressive Fish-Culturist*. July 1949.
- Prophylactic treatment for control of fungus on salmon eggs. By R. E. Burrows. *Progressive Fish-Culturist*. April 1949.
- Praktikum der Fischkrankheiten. By M. Plehn. 1924. 179 pp., 21 colored plates, 173 text figures. E. Schweizerbart'sche Verlagsbuchhandlung, Stuttgart.
- Disinfection of rainbow trout eggs with sulfo-merthiolate. By S. F. Snieszko and S. B. Friddle. *Progressive Fish-Culturist*. July 1948.
- Parasites of fresh-water fishes. Economic circular No. 42. 10 pp., 1939. Bureau of Fisheries.

LIFE HISTORIES

- *Food from the sea; fish and shellfish of New England. By Rachel L. Carson. *Conservation Bulletin* 33. 74 pp., 1943.
- *Fishes of the Middle West. By Rachel L. Carson. *Conservation Bulletin* 34. 44 pp., 1943.
- *Fish and shellfish of the South Atlantic and Gulf Coasts. By Rachel L. Carson. *Conservation Bulletin* 37. 45 pp., 1944.
- *Fish and shellfish of the Middle Atlantic Coast. By Rachel L. Carson. *Conservation Bulletin* 38. 32 pp., 1945.
- Life history of the white bass in Storm Lake, Iowa. By William F. Sigler. *Iowa State College Journal of Science*. Vol. 23, No. 4, 1949. Available from Iowa State College, Ames, Iowa.
- Life history of the white bass, Lepibema chrysops, of Spirit Lake, Iowa. By William F. Sigler. *Research Bulletin* 366. Available from Iowa State College, Ames, Iowa.
- *Striped bass. *Fishery Leaflet* 175, 3 pp.
- *The catfishes. *Fishery Leaflet* 133, 3 pp.

*Available from Fish and Wildlife Service, Washington 25, D. C.

LIFE HISTORIES (CONT.)

- *The trouts of North America. Fishery Leaflet 355, 13 pp.
- *The kamloops rainbow trout. Fishery Leaflet 235, 3 pp.
- *The shad. Fishery Leaflet 179, 5 pp.
- *Atlantic salmon. Fishery Leaflet 176, 6 pp.
- *The pikes. Fishery Leaflet 155, 6 pp.
- *Loch leven trout, Salmo levenensis. Fishery Leaflet 98, 3 pp.
- *The black basses. Fishery Leaflet 76, 3 pp.
- *The top minnow, gambusia - the mosquito destroyer. Fishery Leaflet 67, 5 pp.
- *Lake trout. Fishery Leaflet 16, 8 pp.
- *Pacific salmons. Fishery Leaflet 14, 10 pp.

Out of Print Publications Which May be Available in Some Libraries:

Instructions for conducting stream and lake surveys. By H. S. Davis. Fisheries Circular No. 26, 55 pp., illus., 1938. Bureau of Fisheries.

Whitefish, grayling, trout and salmon of intermountain region. By S. B. Locke. Document 1062. Appendix 5 to Report of Commissioner for 1929. 20 pp. Bureau of Fisheries.

Habits of the black crappies in inland lakes of Wisconsin. By A. S. Pearse. Appendix III, Report of U. S. Commission of Fisheries, 1918.

Habits of yellow perch in Wisconsin lakes. By A. S. Pearse and Henrietta Achtenberg. Bulletin of the Bureau of Fisheries. Vol. 36, 1917-18, pp. 295-366.

Life history of the striped bass or rockfish Roccus saxatilis (Walbaum). By John C. Pearson. Bulletin No. 28, 27 pp., illus., 1938. Bureau of Fisheries.

Studies on the striped bass Roccus saxatilis. By Daniel Merriman, Bulletin 35, 76 pp., illus. Fish and Wildlife Service.

Trout streams. By Paul R. Needham. 233 pp., 74 illus., 1938. Comstock Publishing Company, Inc., Ithaca, N. Y.

Fishes of North and Middle America. Parts I, II, III and IV. By Jordan and Everman, U. S. National Museum.

LISTS BY SUBJECT MATTER

- *Aquatic biology: a selected list of books. Fishery Leaflet 162, 9 pp.
- *Available publications on fisheries. Fishery Leaflet 9, 25 pp.
- *List of publications on farm fish ponds. Fishery Leaflet 24, 6 pp.
- *Some publications on diseases and parasites of fishes. Fishery Leaflet 58, 6 pp.

*Available from Fish and Wildlife Service, Washington 25, D. C.

LISTS BY SUBJECT MATTER (CONT.)

- *List of state-owned fish hatcheries and rearing stations. Fishery Leaflet 41, 14 pp.
- *List of federal fish-cultural stations. Fishery Leaflet 147, 5 pp.
- *Dealers in trout and pondfishes. Fishery Leaflet 46, 11 pp.
- *Wholesale dealers and producers of bait fish. Fishery Leaflet 191, 5 pp.
- *Partial list of dealers in goldfish, aquarium fishes, plants and accessories. Fishery Leaflet 193, 5 pp.
- *Organizations and officials concerned with wildlife protection. Wildlife Leaflet 330, 35 pp.
- *List of books on angling and fishery equipment. Fishery Leaflet 217, 7 pp.

MANAGEMENT AND CONSTRUCTION OF PONDS FOR FISH PROPAGATION

- *Construction of farm ponds. Fishery Leaflet 17, 9 pp.
 - *Farm fish ponds and their management. Fishery Leaflet 27, 6 pp.
 - *Outlet gate for farm fish ponds. Fishery Leaflet 65, 4 pp.
 - Low dams: a manual of design for small water storage projects. National Resources Committee, Washington, D. C. Available from Superintendent of Documents, Washington 25, D. C. Price \$1.25.
 - Ponds for wildlife. By P. F. Allan and C. N. Davis. Farmers' Bulletin 1879, 46 pp., 1941. U. S. Department of Agriculture. Available from Superintendent of Documents, Washington 25, D. C. Price 15¢.
 - Techniques of fishpond management. By L. V. Compton. Miscellaneous Publication No. 528, 22 pp., 1943. Soil Conservation Service, U. S. Department of Agriculture. Available from Superintendent of Documents, Washington 25, D. C. Price 10¢.
 - Construction of farm fish ponds. By J. M. Lawrence. Circular No. 95, 55 pp., illus., 1949. Available from Agricultural Experiment Station, Alabama Polytechnic Institute, Auburn, Alabama.
 - How to build a farm pond. By Walter S. Atkinson. Leaflet 259, 8 pp., 1949. Available from U. S. Department of Agriculture, Washington 25, D. C.
 - Small fish pond problem-management chart for West Virginia. Technical Publication No. 2, 1949. Available from Conservation Commission of West Virginia, Charleston, West Virginia.
 - *Summary of trout stocking experiments. By Ancil D. Holloway. Fishery Leaflet 137, 16 pp.
 - *Fish stocking as related to the management of inland waters. By M. C. James, O. Lloyd Meehan, and E. J. Douglass. Conservation Bulletin No. 35, 22 pp.
 - *Control of aquatic plants in ponds and lakes. Fishery Leaflet 344, 20 pp.
 - Weed control in small ponds. By H. W. Jackson. Bulletin 428, 28 pp., 1949. Available from Virginia Agricultural Experiment Station, Blacksburg, Va.
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- *Available from Fish and Wildlife Service, Washington 25, D. C.

MANAGEMENT AND CONSTRUCTION OF PONDS FOR FISH PROPAGATION (CONT.)

- *The use of rotenone as a fish poison. Fishery Leaflet 350, 8 pp.
- *Fishways for small streams. Fishery Leaflet 92, 6 pp.
- ✓ Farm fishponds for food and good land use. By Verne Davidson. Farmers' Bulletin 1983, 29 pp., 1947. U. S. Department of Agriculture. Available from Superintendent of Documents, Washington 25, D. C. Price 10¢.
- Fish ponds for the farm. By Frank Edminster. 114 pp. Available from Charles Scribners' Sons, New York, N. Y. Price \$3.50.
- How to build a farm pond for pleasure and profit. 16 pp. Available from Drainage and Metal Products, Inc., Middletown, Ohio.
- Farm ponds. By C. V. Phagan and S. A. Williams. Circular 276. 19 pp. Available from Clemson Agricultural College, Clemson, S. C.
- Ponds for fish and wildlife production. 32 pp. Available from Missouri Conservation Commission, Monroe Building, Jefferson City, Mo.
- Effective water stoppage. 12 pp. (Contains information on sealing pond bottoms.) Available from American Colloid Co., 363 W. Superior St., Chicago, Ill.
- Sealing farm ponds. By H. N. Holtan. Agricultural Engineering, Vol. 31, No. 3, March, 1950. Available from American Society of Agricultural Engineers, Saint Joseph, Michigan.

NUTRITION OF FISH

- *Nutrition of fish in hatcheries. By Neva Karrick. A literature review. Fishery Leaflet 325, 23 pp.
- *Trout feeds and feeding. By A. V. Tunison. 23 pp., 1945.
- The New York State fish hatchery feeding chart. Fisheries Research Bulletin No. 3, 1942. Available from New York State Conservation Department, Albany, New York.
- The nutrition of trout. Fisheries Research Bulletins. Cortland Hatchery Reports Nos. 1 through 12. Published annually beginning in 1952. Available from New York State Conservation Department, Albany, New York.
- Fish-diet disease of trout; a vitamin deficiency produced by diets containing raw fish. By Louis E. Wolf. Fisheries Research Bulletin No. 2, 1942. Available from New York State Conservation Department, Albany, New York.
- The utilization of carbohydrates by trout. By A. M. Phillips, Jr., A. V. Tunison, and D. R. Brockway. Fisheries Research Bulletin No. 11, 1948. Available from New York State Conservation Department, Albany, New York.

*Available from Fish and Wildlife Service, Washington 25, D. C.

NUTRITION OF FISH (CONT.)

Out of Print Publications Which May be Available in Some Libraries:

Some experiments in the use of beef liver, seal meal, salmon meal and apple flour in the diet of young chinook salmon. By L. R. Donaldson and F. J. Foster. Progressive Fish-Culturist, July-October 1939.

A summary table of some experimental tests in feeding young salmon and trout. By L. R. Donaldson and F. J. Foster. Transactions of the American Fisheries Society, Vol. 67, pp. 262-270, 1937.

Comparative feeding values of some of the meals fed to fish. By L. R. Donaldson and F. J. Foster. Progressive Fish-Culturist, August-September, 1938.

Some experiments on the use of salmon viscera, seal meal, beef pancreas, and apple flour in the diet of young chinook salmon. By L. R. Donaldson and F. J. Foster. Progressive Fish-Culturist, March-April 1939.

The folic acid requirements of trout. By A. M. Phillips, Jr., D. R. Brockway, and E. O. Rodgers. Progressive Fish-Culturist, July 1949.

Biotin and brown trout; the tale of a vitamin. By D. R. Brockway and E. O. Rodgers. Progressive Fish-Culturist, April 1950.

Metabolic products and their effects. By D. R. Brockway. Progressive Fish-Culturist, July 1950.

The biochemistry of fish. By C. M. McCay. Annual Review of Biochemistry. Vol. VI, 1937.

The nutrition of rainbow trout. I. Studies of vitamin requirements. By Barbara A. McLaren, Elizabeth Keller, D. John O'Connell and C. A. Elvehjem. Archives of Biochemistry, Vol. 15, No. 2, November 1947.

Nutrition of rainbow trout; studies with purified rations. By Barbara A. McLaren, Elmer F. Herman and C. A. Elvehjem. Archives of Biochemistry, Vol. 10, No. 3, August 1946.

PROPAGATION OF BAITS

*Propagation of bait and forage fish. By Henry C. Markus. Fishery Circular No. 28, 199 pp., illus., 1939.

Bait culturists guide. By T. H. Langlois. Bulletin No. 137, 188 pp., 1937. Available from Ohio Division of Conservation and Natural Resources, Columbus 15, Ohio.

*Fish baits: their collection, care, preparation and propagation. Fishery Leaflet 28, 26 pp.

*Available from Fish and Wildlife Service, Washington 25, D. C.

PROPAGATION OF BAITS (CONT.)

Propagation of minnows. By Thaddeus Surber. 38 pp., 1950. Available from Minnesota Department of Conservation, St. Paul, Minnesota.

Propagation of minnows and other bait species. By J. R. Dobie, O. L. Meehan, and G. N. Washburn. Circular 12. 113 pp., 1948. Available from Superintendent of Documents, Government Printing Office, Washington 25, D. C. Price 35¢.

*Crayfish. Fishery Leaflet 131. 4 pp.

*Earthworms for bait. Fishery Leaflet 23. 4 pp.

PROPAGATION OF FOOD AND GAME-FISH

Artificial propagation of fish. By E. L. Wickliff and George F. Miller. Bulletin No. 28, 1929. Available from Department of Natural Resources, Columbus, Ohio.

A study of the small-mouth bass, Micropterus colomieu (Lacepede) in rearing ponds in Ohio. By T. H. Langlois. Ohio Biological Survey Bulletin 33, Vol. 11, No. 4, pp. 191-225, illus. Available from Department of Natural Resources, Columbus, Ohio.

Artificial propagation of brook trout and rainbow trout, with notes on three other species. By Glen C. Leach. Document No. 955, 76 pp., illus., 1939. Bureau of Fisheries. Available from Superintendent of Documents, Washington 25, D. C. Price 25¢.

The pond culture of black bass. By A. H. Wiebe. Bulletin No. 8, 58 pp., illus. Available from Game, Fish and Oyster Commission, Austin, Texas.

Pondfish culture. By Percy Viosca, Jr. 260 pp., illus., 1937. Available from The Pelican Publishing Company, New Orleans, La. Price \$4.00.

*Frog culture and the frog industry. Fishery Leaflet 102, 4 pp.

*Artificial propagation of the salmon of the Pacific Coast. Document 879. Appendix II to the Report of the U. S. Commissioner of Fisheries for 1919, 32 pp.

*Textbook of pond culture. By Wilhelm Schaeperclaus. Fishery Leaflet 311. 260 pp., 1933.

Out of Print Publications Which May be Available in Some Libraries:

Channel catfish propagation. By John M. Murphree. 13 pp., illus., 1940. Published by Thomas J. Renick, Durant, Oklahoma.

*Available from Fish and Wildlife Service, Washington 25, D. C.

PROPAGATION OF FOOD AND GAME-FISH (CONT.)

Out of Print Publications Which May be Available in Some Libraries(Cont.):

- Experiments in culture of black bass and other pondfish. By H. S. Davis and A. H. Wiebe. Document No. 1085. Appendix 9 to Report of the United States Commissioner of Fisheries for 1930. 29 pp., illus.
- American catfishes: habits, culture and commercial importance. By Wm. C. Kendall. Document No. 733. Report of Commissioner of Fisheries for 1908. 33 pp., illus.
- Culture of rainbow and brook trout in ponds. By Glen C. Leach. Economic Circular No. 41. Bureau of Fisheries. 19 pp., 1919.
- Artificial propagation of whitefish, grayling, and lake trout. By Glen C. Leach. Document No. 949. Appendix 3 to Report of Commissioner of Fisheries for 1923. 34 pp., illus.
- Artificial propagation of shad. By Glen C. Leach. Document No. 981. Appendix 8 to Report of Commissioner of Fisheries for 1924. 30 pp., illus.
- Artificial propagation of pike perch, yellow perch, and pikes. By Glen C. Leach. Document No. 1018. Appendix 1 to Report of Commissioner of Fisheries for 1927. 29 pp., illus.
- Artificial propagation of sturgeon: review of sturgeon culture in United States. By Glen C. Leach. Artificial propagation of sturgeon in Russia. By Nicolas A. Borodin. Appendix 3 to Report of Commissioner of Fisheries for 1919. 7 pp.
- Artificial propagation of carp. By Glen C. Leach. Economic Circular 39. 19 pp., illus., 1919. Bureau of Fisheries.
- A manual of fish-culture. 340 pp., 28 plates. Revised edition 1900. U. S. Commission of Fish and Fishes.
- Care and feeding of buffalofish in ponds. By H. L. Canfield. Economic Circular 56. 3 pp., 1922. Bureau of Fisheries.
- Artificial propagation of carp. Bureau of Fisheries I-30. 6 pp., 1938.
- Muskellunge fingerling culture. By A. A. Oehmcke. Progressive Fish-Culturist. January 1949.

RELATED SUBJECTS

- *Presence of scales and fins in fishes. Fishery Leaflet 8, 8 pp.
- *Breathing in fishes. Fishery Leaflet 55, 2 pp.

*Available from Fish and Wildlife Service, Washington 25, D. C.

RELATED SUBJECTS (CONT.)

- *Care of goldfish. Fishery Leaflet 57, 5 pp.
 - *Fish culture as a livelihood. Fishery Leaflet 97, 5 pp.
 - *Determination of the age of fishes. Fishery Leaflet 100, 4 pp.
 - *Structure and senses of fishes. Fishery Leaflet 132, 13 pp.
 - *Some tropical fishes. Fishery Leaflet 165, 16 pp.
 - *Reproduction in fishes. Fishery Leaflet 182, 4 pp.
 - *"Non-gilling" fish sorter. Fishery Leaflet 186, 2 pp.
 - *Temperature and fishes. Fishery Leaflet 221, 4 pp.
 - *Aquarium construction in the home workshop, Fishery Leaflet 315, 6 pp.
 - *Snails. Fishery Leaflet 323, 7 pp.
 - *The culture of daphnia. Fishery Leaflet 331, 7 pp.
- Fisherman's encyclopedia. Ira Gabrielson, Editor, 698 pp., illus.
Available from Stackpole and Heck, Inc., New York, N. Y. Price \$12.50.

PERIODICALS

Annual Transactions of the American Fisheries Society contain many articles on fish culture and management. Current issues may be purchased for \$4.00 from Mr. W. C. Beckman, Librarian, American Fisheries Society, Colorado A & M College, Ft. Collins, Colorado. Copies may also be found in many public libraries.

Annual Transactions of the North American Wildlife Conference contain many articles on fish culture and management. Current issues may be purchased for \$2.50 from the American Wildlife Institute, Investment Building, Washington 5, D. C. Copies may also be found in many public libraries.

The Progressive Fish-Culturist, published quarterly by the Fish and Wildlife Service, Department of the Interior, Washington 25, D. C. Though circulation is limited to fishery students and fishery workers, copies may be found in many public libraries.

State fish and game commissions issue bulletins and pamphlets on fish cultural matters. Inquiry as to available material should be addressed to state authorities. Full names and addresses of these organizations are listed in Wildlife Leaflet 330 - Organizations and Officials Concerned with Wildlife Protection, 1950 - copy of which may be obtained by writing to the Fish and Wildlife Service, Washington 25, D. C.

*Available from Fish and Wildlife Service, Washington 25, D. C.