UNITED STATES DEPARTMENT OF THE INTERIOR Fish and Wildlife Service Bureau of Sport Fisheries and Wildlife Branch of Fish Hatcheries

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SOME PUBLICATIONS ON FISH CULTURE AND RELATED SUBJECTS

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The supply for free distribution of the publications shown (by asterisk) 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. Other publications listed may be found in some libraries. Publications are grouped under general subjects, but within groups they have not been put into any particular sequence.

DISEASES AND PARASITES

General References

- Parasites and Disease of Fish. Vol. XL11, 1957, Translated from Russian. Office of Technical Services, U.S. Dept. of Commerce, Washington 25, D. C. 338 pp.
- Symposium: Research on Fish Diseases. By L. N. Allison, M. Gordon, P. J. Griffin, J. E. Halver, R. F. Nigrelli, R. R. Rucker, B. J. Earp, E. J. Ordal, S. F. Snieszko, S. W. Watson, and L. E. Wolf. Trans. Am. Fish Soc. Vol. 83, pp. 219-349, 1954.
- 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 40ϕ .
- Culture and Diseases of Game Fishes. By H. S. Davis. Univ. of California Press, pp. $x \neq 332$, 1953.
- Diseases of Fishes. By C. van Duijn. Water Life, Dorset House, London. xiii / 174 pp.
- Freshwater Fishery Biology. By Karl F. Lagler. 2nd Edition, Wm. Brown Co., Dubuque, Iowa, xii / 421 pp. 1956. (Especially pp. 183-201 and 378-383).

- *Parasites and Diseases of Warm-water Fishes. FWS Circular 112, 20 pp.
- *Mortality of Fishes in Freshwater Ponds and Lakes. Fishery Leaflet 112, 2 pp.
- Fischkrankheiten. By Wilhelm Schaeperclaus. 3rd Edition, xii / 708 pp. Berlin, Germany. 1954.
- Use of Antibiotics in the Diet of Salmonid Fishes. By S. F. Snieszko. Progressive Fish-Culturist, Vol. 19, pp. 81-84, 1957.

Bacterial Diseases

- Treatment of Sulfonamide-resistant Furunculosis in Trout and Determination of Drug Sensitivity. By S. F. Snieszko and G. L. Bullock. Fishery Bulletin 125. 10 pp., 1957. Available from Supt. of Documents, Washington 25, D. C. Price 15ϕ .
- Furunculosis of Fish. By B. M. McCraw. U.S. Fish and Wildlife Service Special Scientific Report: Fisheries No. 84, 87 pp. 1952.
- *Freshwater Fish Diseases Caused by Bacteria Belonging to the Genera Aeromonas and Pseudomonas. By S. F. Snieszko. Fishery Leaflet 459. 6 pp., July 1958.
- An Interim Report on Gill Disease. By R. R. Rucker, H. E. Johnson and G. M. Kaydas. Prog. Fish-Culturist, 14(1): pp. 10-14, 1952.
- *Columnaris Disease of Fishes. By S. F. Snieszko. Fishery Leaflet 461. 3 pp., July 1958.
- Determination of the Susceptibility of <u>Aeromonas Salmonicida</u> to <u>Sulfonamides</u> and Antibiotics, with a Summary Report on the <u>Treatment</u> and <u>Prevention</u> of Furunculosis. By S. F. Snieszko and G. L. Bullock. <u>Prog. Fish-Culturist</u>, Vol. 19, pp. 99-107. 1957.
- *Fin Rot and Peduncle Disease of Salmonid Fishes. By S. F. Snieszko. Fishery Leaflet 462. 2 pp., July 1958.
- The Effect of Some Sulfonamides on the Growth of Brook Trout, Brown Trout, and Rainbow Trout. By S. F. Snieszko and E. M. Wood. Trans. Am. Fish Soc., Vol. 84, pp. 88-92, 1955.
- *Bacterial Gill Disease of Freshwater Fishes. By S. F. Snieszko. Fishery Leaflet 464. 4 pp., July 1958.
- *Fish Furunculosis. By S. F. Snieszko. Fishery Leaflet 467. 4 pp., July 1958.
- *Fish Mycobacteriosis (Tuberculosis). By T. J. Parisot and J. W. Wood. Fishery Leaflet 494. 3 pp., March 1959.

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

Ulcer Disease

- *Ulcer Disease in Trout. By Robert G. Piper. Fishery Leaflet 466. 3 pp., July 1958.
- Ulcer Disease in Brook Trout (Salvelinus fontinalis): Its Economic Importance, Diagnosis, Treatment, and Prevention. By S. F. Snieszko. Prog. Fish-Culturist, Vol. 14, pp. 43-49, 1952.

Kidney Disease

- Kidney Disease in Young Salmon. By B. J. Earp, C. H. Ellis and E. J. Ordal. Washington State Dept. Fish. Spec. Rept. Ser. 1, 74 pp., 1953.
- Kidney Disease in Brook Trout and Its Treatment. By S. F. Snieszko and P. J. Griffin. Prog. Fish-Culturist, Vol. 17, pp. 3-13, 1955.
- Kidney Disease of Salmonid Fishes. By Ken Wolf. Fishery Leaflet 465. 4 pp., July 1958.

Viruses

- Infectious Pancreatic Necrosis in Trout. By S. F. Snieszko, E. M. Wood and W. T. Yasutake. A.M.A. Archives of Pathology, Vol. 63, pp. 229-233, 1957.
- A Virus Disease of Sockeye Salmon: Interim Report. By S. W. Watson, R. W. Guenther and R. R. Rucker. U.S. Fish and Wildlife Service Special Scientific Report: Fisheries No. 138, 1954.
- *Infectious Pancreatic Necrosis of Salmonid Fishes. By S. F. Snieszko and Ken Wolf. Fishery Leaflet 453. 3 pp., July 1958.
- *Virus Disease of Sockeye Salmon. By Ken Wolf. Fishery Leaflet 454. 3 pp., July 1958.
- *Lymphocystis Disease of Fish. By Ken Wolf. Fishery Leaflet 458. 4 pp., July 1958.
- *A "Virus" Disease of Chinook Salmon. By A. J. Ross and R. R. Rucker. Fishery Leaflet 497. 3 pp., March 1960.

Fungus Diseases

- An Epizootic Among Rainbow Trout. By R. R. Rucker and P. V. Gustafson. Prog. Fish-Culturist, Vol. 15, pp. 179-181, 1953.
- Histopathology of Fish: A Granuloma of Brook Trout. By E. M. Wood and W. T. Yasutake. Prog. Fish-Culturist, Vol. 18, pp. 108-112, 1956.
- *Fungus or Saprolegnia Infestation of Incubating Fish Eggs. By Ken Wolf. Fishery Leaflet 460, 4 pp., July 1958.

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

Egg Diseases

- *White-Spot Disease of Fish Eggs and Fry. By Ken Wolf. Fishery Leaflet 456. 2 pp., July 1958.
- A New Method of Treating Salmon Eggs and Fry With Malachite Green. By H. E. Johnson, C. D. Adams and R. J. McElrath. Prog. Fish-Culturist, Vol. 17, pp. 76-78, 1955.
- *Blue-sac Disease of Fish. By Ken Wolf. Fishery Leaflet 455. 3 pp., July 1958.
- Blue-sac Disease Investigations: Microbiology and Laboratory Induction. By Ken Wolf. Prog. Fish-Culturist, Vol. 19, pp. 14-18, 1957.
- *Soft-Egg Disease of Fishes. By Ken Wolf. Fishery Leaflet 457. 2 pp., July 1958.

Animal Parasites of Fishes

- *Whirling Disease (Myxosporidia: Myxosoma) of Trout. By G. L. Hoffman. Fishery Leaflet 508. 2 pp., March 1961.
- Parasites and Parasitism. By Thomas W. M. Cameron. John Wiley and Sons, Inc., New York. pp. xiii / 322, 1956.
- *Recommended Treatment for Fish Parasite Diseases. By Glenn L. Hoffman. Fishery Leaflet 486. 4 pp., April 1959.
- Studies of the Protozoan Parasites of Freshwater Fishes. Fishery Bulletin 41. Fish and Wildlife Service. Available from Supt. of Documents, Government Printing Office, Washington 25, D. C. Price 30ϕ .

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

- Pyridylmercuric Acetate: Its Toxicity to Fish, Efficacy in Disease Control, and Applicability to a Simplified Treatment Technique. By R. E. Burrows and D. D. Palmer. Prog. Fish-Culturist, July 1949.
- Pyridylmercuric Actetate Technical: Its Use in Control of Gill Disease and Some External Parasitic Infestations. By S. F. Snieszko. Prog. Fish-Culturist. July 1949.

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

- Prophylactic Treatment for Control of Fungus (Saprolegnia parasitica) on Salmon Eggs. By R. E. Burrows. Prog. Fish-Culturist. April 1949.
- Disinfection of Rainbow Trout Eggs with Sulfo-merthiclate. By S. F. Snieszko and S. B. Friddle. Prog. Fish-Culturist. July 1948.
- Parasites of Freshwater Fishes. Economic Circular No. 42. 10 pp., 1939. Bureau of Fisheries.

LIFE HISTORIES

- A Field Manual of Kentucky Fishes. By William M. Clay. Kentucky Dept. of Fish and Wildlife Resources, Frankfort. 147 pp., 1962.
- *Food From the Sea; Fish and Shellfish of New England. By Rachel L. Carson. Conservation Bulletin 33. 74 pp., 1943.
- A List of Common and Scientific Names of Fishes from the United States and Canada. American Fisheries Society, Box 483, McLean, Virginia. 102 pp., 1960.
- *Fishes of the Middle West. By Rachel L. Carson. Conservation Bulletin 34. 44 pp., 1943.
- How to Know the Freshwater Fishes. By Samuel Eddy. William C. Brown Co., Dubuque, Iowa. 253 pp., 1959.
- *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.
- *Striped Bass. Fishery Leaflet 175, 4 pp. March 1946.
- Salmon of the Pacific Northwest. Anthony Netboy. Binfords & Mort, Portland, Oregon. 122 pp., 1958.
- *The Trouts of North America. Fishery Leaflet 355, 13 pp., November 1949.
- *The Kamloops Rainbow Trout. Fishery Leaflet 235, 3 pp., May 1947.
- *The Shad. Fishery Leaflet 179, 5 pp., March 1946.
- *Atlantic Salmon. Fishery Leaflet 176, 3 pp., June 1962.
- *The True Pikes. Fishery Leaflet 496, 9 pp., April 1960.
- *Loch Leven Trout, Salmo trutta levenensis. Fishery Leaflet 98, 1 p., Sept. 1946.
- *The Black Basses. Fishery Leaflet 76, 4 pp. August 1944.
- *The Top Minnow, Gambusia The Mosquito Destroyer. Fishery Leaflet 67, 5 pp. May 1960.

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

Life Histories (Continued...)

- *The Lake Trout. (Salvelinus namaycush), Fishery Leaflet 441, 11 pp., August 1957.
- *Pacific Salmons. Fishery Leaflet 14, 10 pp. March 1954.

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

- 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. November 1952.
- *Available Leaflets on Fisheries. Fishery Leaflet 9, 25 pp. April 1956.
- *List of State Fish Hatcheries and Rearing Stations. Fishery Leaflet 41, 27 pp. May 1959.
- *List of National Fish Hatcheries. Fishery Leaflet 147, 10 pp. January 1962.

MANAGEMENT AND CONSTRUCTION OF PONDS FOR FISH PROPAGATION

- Propagation of Buffalo-fishes. Arkansas Game and Fish Comm., Lonoke, Arkansas. 13 pp., 1959.
- Appraisal of Methods of Fish Population Study Part IV, Determination of Balance in Farm Fish Ponds. By H. S. Swingle, 1956. Transactions of the Twenty-First North American Wildlife Conference. Published by the Wildlife Management Inst.
- Relationships and Dynamics of Balanced and Unbalanced Fish Populations. By H. S. Swingle, 1950. Bulletin No. 274, 74 pp. Available from Alabama Polytechnic Institute, Auburn, Alabama.
- Management of Farm Fish Ponds. By H. S. Swingle and E. V. Smith, 1947, reprinted 1950. Bulletin No. 254, 30 pp. Available from Alabama Polytechnic Institute, Auburn, Alabama.

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

- Management and Construction of Ponds for Fish Propagation (Continued...)
- Farm Fish Ponds in West Virginia. By R. Franklin Dugan, 1952. Circular 84, 35 pp., illus. Available from West Virginia Univ., Morgantown, West Virginia.
- Symposium on Farm Fish Ponds and Management, Vol. 16, No. 3, July 1952. Journal of Wildlife Management.
- *Construction of Farm Ponds. Fishery Leaflet 17, 13 pp. February 1951.
- *Farm Fish Ponds and Their Management. Fishery Leaflet 27, 9 pp., September 1945.
- *An Outlet Gate for Farm Fish Ponds. Fishery Leaflet 65, 4 pp., June 1944.
- Utilizing Stock Tanks and Farm Ponds for Fish. By Marion Toole, 54 pp., illus. Bulletin No. 24, 1950. Available from Texas Game and Fish Comm., Austin, Texas.
- Georgia Fish Pond Management. By Fred J. Dickson, 90 pp., illus. Available from Georgia Game and Fish Commission, Atlanta, Georgia.
- Farm Trout Ponds, Leaflet FTP., 2 pp. Available from Bureau of Sport Fisheries and Wildlife, Office of Regional Director, 59 Temple Place, Boston 11, Massachusetts.
- Managing Farm Fish Ponds for Bass and Bluegills. Farmers' Bulletin No. 2094, Conservation Service, U.S.D.A. Price 15ϕ .
- Techniques of Fish Pond Management. By L. V. Compton. Miscellaneous Publication No. 528, 22 pp., 1943. Soil Conservation Service, U.S.D.A. Available from Supt. of Documents, Washington 25, D. C. Price 10ϕ .
- 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.
- Small Fish Pond Problem Management Chart for West Virginia. Technical Publication No. 2, 1949. Available from Conservation Commission of West Virginia, Charleston, West Virginia.
- *Fish Stocking as Related to the Management of Inland Waters. By M. C. James, O. Lloyd Meehean, and E. J. Douglass. Conservation Bulletin No. 35, 22 pp.
- *Improving Sport Fishing by Control of Aquatic Weeds. Circular 128, 51 pp.
- *Control of Aquatic Plants in Ponds and Lakes. By Eugene W. Surber, Fishery Leaflet 344, 20 pp., July 1949.

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

- Management and Construction of Ponds for Fish Propagation (Continued...)
- Weed Control in Small Ponds. By H. W. Jackson. Bulletin 428, 28 pp., 1949. Available from Virginia Agricultural Experiment Station, Blacksburg, Va.
- *The Use of Rotenone as a Fish Poison. Fishery Leaflet 350, 8 pp., August 1949.
- *Fishways for Small Streams. Fishery Leaflet 92, 6 pp., October 1944.
- Fish Ponds for the Farm. By Frank Edminster. 114 pp. Available from Charles Scribners' Sons, New York, N. Y. Price \$3.50.
- Homemade Fishing. By Verne E. Davidson, Telegraph Press, Harrisburg, Pa.
- How to Build a Farm Pond. By Walter Atkinson. Leaflet No. 259, 8 pp., 1949 (reprinted in 1957). Available from U.S. Department of Agriculture, Washington 25, D. C. Price 5ϕ .
- 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, Illinois.
- 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.
- Use of Bentonite for Stopping Seepage in Ponds. By Lee M. Duncan. Prog. Fish-Culturist, January 1947.

NUTRITION OF FISH

- The Physiology of Fishes. By Margaret E. Brown. Volume 1, Metabolism. Academic Press, New York, 447 pp., 1957.
- Test of Hatchery Foods for Salmon, 1953 and 1954. By Bobby D. Combs, David D. Palmer, J. H. Finucane, and Roger E. Burrows. Special Scientific Report; Fisheries No. 160, Fish and Wildlife Service, 1955.

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

Nutrition of Fish (Continued...)

- The Nutrition of Trout. Cortland hatchery workers. Fishery research bulletins published annually beginning in 1932 to date. New York Conservation Dept., Albany, New York.
- Culture and Disease of Game Fishes. By H. S. Davis, 332 pp., 1953, Berkeley, California.
- The New York State Fish Hatchery Feeding Chart. By C. R. Deuel, D. C. Haskell, D. R. Brockway, and O. R. Kingsbury. New York Conservation Dept., Albany, New York.
- *Nutritional (Dietary) Gill Disease. By S. F. Snieszko. Fishery Leaflet 463, 2 pp., July 1958.
- The Nutrition of Salmonoid Fishes IV. Amino Acid Test Diet for Chinook Salmon. By John E. Halver. Journal of Nutrition, Vol. 62, p. 245.
- Tests of Hatchery Foods for Salmon, 1952. By H. William Newman, David D. Palmer and Roger E. Burrows. Special Scientific Report; Fisheries no. 124. Fish and Wildlife Service.
- The Nutrition of Trout I. General Feeding Methods. By Arthur M. Phillips, Jr., The Prog. Fish-Culturist, Vol. 18, p. 113. 1956.
- The Nutrition of Trout II. Protein and Carbohydrate. The Prog. Fish-Culturist, Vol. 18, p. 159, 1956. By Arthur M. Phillips, Jr.
- The Nutrition of Trout III. Fats and Minerals. By Arthur M. Phillips, Jr., The Prog. Fish-Culturist, Vol. 19, p. 68, 1957.
- The Nutrition of Trout IV. Vitamin Requirement. By Arthur M. Phillips, Jr., and Donald R. Brockway. The Prog. Fish-Culturist, Vol. 19, p. 119, 1957.
- The Nutrition of Trout V. Ingredients for Trout Diets. By Arthur M. Phillips, Jr. and George C. Balzer, Jr. The Prog. Fish-Culturist, Vol. 19, p. 158, 1957.
- A Chemical Comparison of Hatchery and Wild Brook Trout. By Arthur M. Phillips, Jr. and Donald R. Brockway, Floyd E. Lovelace, and Henry A. Podoliak. The Prog. Fish-Culturist, Vol. 19, p. 19, 1957.
- Fischkrankheiten. By Wilhelm Schaeperclaus. 2nd Edition 296 pp. G. Wenzel and Sohn. Braunschweig, Germany. 1942.
- Textbook of Pondfish Culture. By Wilhelm Schaeperclaus. Translated from the German by Frederick Hund. 1933. Fishery Leaflet No. 311, Fish and Wildlife Service.

Nutrition of Fish (Continued...)

- Diet Experiments With Trout. By L. E. Wolf. The Prog. Fish-Culturist. Vol. 13, p. 17, 1951.
- The Nutrition of Salmonoid Fishes II. Studies on Production Diets. Journal of Nutrition, Volume 61, p. 479.

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

- Metabolic Products and Their Effects. By Donald R. Brockway. The Prog. Fish-Culturist, Volume 12, p. 127, 1950.
- Utilization of Carbohydrates by Trout. By A. M. Phillips, Jr., A. V. Tunison, and D. R. Brockway. New York State Conservation Dept., Albany, New York. 1948.
- Fish Diet Disease of Trout. By L. E. Wolf. New York Conservation Dept., Albany, New York. 1942.
- The Folic Acid Requirements of Trout. By A. M. Phillips, Jr., D. R. Brockway, and E. O. Rodgers. Prog. Fish-Culturist, July 1949.
- Biotin and Brown Trout; The Tale of a Vitamin. By D. R. Brockway and E. O. Rodgers. Prog. Fish-Culturist, April 1950.
- The Nutrition of Rainbow Trout. Studies of Vitamin Requirements. By
 Barbara A. McIaren, 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.
- Minnow Culture in Kentucky. By Mayo Martin. Dept. of Fish and Wildlife Resources, Frankfort, Kentucky.
- Production of Bait Minnows in the Southeast. By E. C. Prather, J. R. Fielding, M. C. Johnson, and H. S. Swingle. 1953. Circular No. 112, 72 pp., illus., available from Alabama Polytechnic Institute, Auburn, Alabama.
- *Fish Baits: Their Collection, Care, Preparation and Propagation. Fishery Leaflet 28, 27 pp., January 1960.
- Propagation of Minnows and Other Bait Species. By J. R. Dobie, O. L. Meehean, and G. N. Washburn. Circular 35. 113 pp., 1948. Available from Supt. of Documents, Government Printing Office, Washington 25, D. C. Price 35¢.
- *Earthworms for Bait. Fishery Leaflet 23. 4 pp, May 1962.

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

PROPAGATION OF FOOD AND GAME-FISH

- Experiments on Growing Fingerling Channel Catfish to Marketable Size in Ponds. By H. S. Swingle. 1959. Proceedings of 12th Annual Conf., Southeastern Assoc. of Game and Fish Comm. pp. 63-72.
- Spawning Behavior of the Channel Catfish, <u>Ictalurus punctatus</u>. By Howard P. Clemens and Kermit E. Sneed. U.S. Fish and Wildlife Service Special Scientific Report Fisheries No. 219. 11 pp. 1957.
- Pacific Salmon, Hatchery Propagation and Its Role in Fishery Management. By William Hagen, Jr., Circular 24, 56 pp., 1953. Available from Supt. of Documents, Government Printing Office, Washington 25, D. C. Price 30¢.
- A Study of the Smallmouth Bass, <u>Micropterus dolomieu</u> (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 Dept. of Natural Resources, Columbus, Ohio.
- Propagation of Largemouth Black Bass and Bluegill Sunfish in the Southeast. By John Blosz. The Progressive Fish-Culturist, 1952.
- Pondfish Culture. By Percy Viosca, Jr., 260 pp., illus., 1937. Available from the Pelican Publishing Company, New Orleans, Ia. Price \$4.
- *Frog Culture and the Frog Industry. Fishery Leaflet 102, 4 pp., December 1944.
- *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. 30 pp., illus., 1940. Published by Thomas J. Renick, Durant, Oklahoma.
- American Catfishes: Habits, Culture and Commercial Importance. By Wm. C. Kendall. Document No. 733. Report of Commissioner of Fisheries for 1908. 33 pp., illus.
- Channel Catfish Culture in Texas. By Marion Toole. Prog. Fish-Culturist. January 1951.
- Artificial Propagation of Brook Trout and Rainbow Trout With Notes on Three Other Species. By Glen C. Leach. Fisheries Document No. 955, 76 pp., illus., 1939. Dept. of the Interior, Bureau of Fisheries, Wash., D. C.

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

Out of Print Publications Which May be Available in Some Libraries (Continued ...

- 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.
- A Manual of Fish-culture. 340 pp., 28 plates. Revised edition 1900. U.S. Commission of Fish and Fisheries.
- The Propagation of Buffalo. By Meddie C. Walker and Philip T. Frank. Prog. Fish-Culturist. July 1952.
- Artificial Propagation of Carp. Bureau of Fisheries I-30. 6 pp., 1938.
- Muskellunge Fingerling Culture. By A. A. Oehmcke. Prog. Fish-Culturist. January 1949.

RELATED SUBJECTS

- *Crawfish Control Methods. Fishery Leaflet 401, 2 pp. June 1952.
- *Food Fishes with Fins and Scales. Fishery Leaflet 418, 9 pp. August 1954.
- *Breathing in Fishes. Fishery Leaflet 55, 2 pp. March 1947.
- *Care of Goldfish. Fishery Leaflet 57, 5 pp. July 1952.
- *Fish Culture as a Livelihood. Fishery Leaflet 97, 4 pp. April 1959.
- *Structure and Senses of Fishes. Fishery Leaflet 132, 13 pp. March 1960.
- *Care of Tropical Aquarium Fishes. Fishery Leaflet 411, 18 pp. May 1962.
- *Reproduction in Fishes. Fishery Leaflet 182, 5 pp. April 1946.
- *Temperature and Fishes. Fishery Leaflet 221, 4 pp. April 1952.
- *Aquarium Construction in the Home Workshop. Fishery Leaflet 315, 7 pp. February 1962.
- *Snails. Fishery Leaflet 323, 7 pp. 1962.
- *Culture of Daphnia. Fishery Leaflet 331, 7 pp. January 1949.
- *Some Publications on Game-fish and Sport Fishing. Fishery Leaflet 444, 10 pp. July 1957.
- Fisherman's Encyclopedia. Ira Gabrielson, Editor. 698 pp., illus. Available from Stackpole and Heck, Inc., New York, N. Y. Price \$12.50.
- Freshwater Fishing and Fishlife in Virginia. Compiled and edited by J. J. Shomon. 104 pp., illus. 1954. Available from Commission of Game and Inland Fisheries, Richmond, Virginia. Price 25ϕ .

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

PERIODICALS

- Annual Transactions of the American Fisheries Society contain many articles on fish culture and management. Current issues may be purchased for \$5.00 from Mr. Howard A. Tanner, American Fisheries Society, Colorado State University, Colorado Game and Fish Dept., Fort Collins, Colorado. 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 workers, copies may be found in many public libraries or purchased from Supt. of Documents, Government Printing Office, Washington 25, D. C. Single issue 25ϕ , Year's subscription \$1. domestic; plus 30ϕ foreign postage.
- 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 the Conservation Directory, a listing of organizations and officials concerned with the protection of wildlife and other natural resources a copy of which may be obtained from the National Wildlife Federation, 232 Carroll Street, N.W., Washington 12, D. C. Price 50¢.
- Annual Transactions of the North American Wildlife Conference contain many articles on fish culture and management. Current issues may be purchased from the Wildlife Management Institute, 709 Wire Building, Washington 5, D. C. Copies may also be found in many public libraries.
- The Journal of Wildlife Management, published quarterly by The Wildlife Society, contains articles on fish culture and management. Current issues may be purchased from Dr. Joseph P. Linduska, Executive Secretary, The Wildlife Society, Remington Farms, Chestertown, Maryland. Copies may also be found in some public libraries.