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## Review of Fish Pathology: A Guide to the Recognition and Treatment of Diseases and Injuries of Fishes, With Emphasis on Environmental and Pollution Problems and Parasites of Freshwater Fishes: A Review of Their Control & Treatment

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*New York Zoological Society*

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**Fish Pathology: A Guide to the Recognition and Treatment of Diseases and Injuries of Fishes, With Emphasis on Environmental and Pollution Problems**, by Heinz-Hermann Reichenbach-Klinke with collaboration by Marsha Landolt (translated by Christa Ahrens from German). T.F.H. Publications, Inc., Neptune, N.J., 1973, 512 p., illus., \$20.00 (paper).

**Parasites of Freshwater Fishes: A Review of Their Control & Treatment**, by Glenn L. Hoffman and Fred P. Meyer. T.F.H. Publications, Inc., Neptune, N.J., 1974, 224 p., illus., \$12.95 (paper).

Fish Pathology states in its subtitle that it is "A guide to the recognition and treatment of diseases and injuries of fishes with emphasis on environmental and pollution problems." These topics were included in the author's earlier volume "Krankheiten und Schädigungen der Fische" (Gustav Fischer Verlag, Stuttgart, 1966) and are only slightly revised in this English translation by Christa Ahrens. Fish Pathology deals briefly but inadequately with semiology and histopathology but it is a good introduction to information on infectious, parasitic, and nonparasitic diseases of fishes, and to such subjects as the harmful effects of pollutants and abnormal environmental factors, injuries, abnormal development, treatment and control, ichthyozoonoses, etc. It is apparent that the author has attempted to report, without critical evaluation, anything associated with diseases and with factors that affect the viability of fishes. The list of English, German, French, Italian, and Spanish names for some common species of fish is very useful.

Parasites of Freshwater Fishes: A Review of Their Control and Treatment, is a companion volume to Hoffman's Parasites of North American Freshwater Fishes (University of California Press, Berkeley, 1967). This paperback, profusely illustrated with color photographs of fungal, protozoan, helminthic, and crustacean parasites, is an excellent armamentarium for veterinarians, fish culturists, and aquarists. Treatments for specific parasites of fishes kept in hatcheries, ponds, and aquaria, and the toxicity limits of selected chemicals, are given in tabular form. Many of the compounds have not been evaluated but the more useful ones are those reported by practitioners in federal and state hatcheries in North America.

Although there is some duplication, Fish Pathology and Parasites of Freshwater Fishes

are two useful additions to the list of books published in English in the field of fish diseases, a field that had long been preempted by fishery biologists, parasitologists, and veterinarians from central and western Europe.

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