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Review of Fish Pathology

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BOOK REVIEW . . .

Fish Pathology, edited by Ron J. Roberts. Bailliere Tindall, 35 Red Lion Square, London WC1 4SG, £21.00. Also distributed by Lea and Febiger, 600 Washington Square, Philadelphia, Pennsylvania 19016. 1978. 318 p. \$64.00.

This excellent, somewhat Scottish text (the editor and most contributors live in Scotland), consists of 14 well-illustrated and informative chapters: 1. The Aquatic Environment by A. L. S. Munro; 2. The Anatomy and Physiology of Teleosts by A. E. Ellis, R. J. Roberts, and P. Tytler; 3. The Pathophysiology and Systematic Pathology of Teleosts by R. J. Roberts; 4. The Immunology of Teleosts by A. E. Ellis; 5. Neoplasia of Teleosts by Joan Budd and R. J. Roberts; 6. The Virology of Teleosts by Janet Liversidge and A. L. S. Munro; 7. The Parasitology of Teleosts by Ted Needham and R. Wootten; 8. The Bacteriology of Teleosts by R. H. Richards and R. J. Roberts; 9. The Mycology of Teleosts by R. H. Richards; 10. Nutritional Pathology of Teleosts by C. B. Cowey and R. J. Roberts; 11. Miscellaneous Non-infectious Diseases by R. J. Roberts; 12. Laboratory Methods by A. M. Bullock; 13. Therapy of Fish Diseases by C. J. Poupard; and 14. Husbandry and Management in Relation to Disease by C. J. Shepherd.

Most of the chapters are arranged in standard organ-system format, typical of medical and veterinary texts, with considerable and welcome histopathology.

The chapter on parasitology by Needham and

Wootten is set up in 11 sections: Taxonomy, Life-cycles, Parasites of—integument, vascular system, eye, central nervous system, skeletal system, viscera and musculature, and alimentary canal. There is also a short section on zoonoses. The taxonomy section is a guide to kinds of parasites and will help in general identification. Because many parasites have organ specificity, the remaining sections will also help identify parasites. Some of the most important examples are given, but for unusual parasites the worker will have to consult more extensive treatises. The major pathogens are described and significant details of life cycles and pathogenicity are discussed. Prophylaxis and therapy are not covered in this chapter but are briefly discussed in the therapy chapter. A very good chapter on Laboratory Methods includes methods for parasitology. The chapter on therapy seems a bit skimpy; perhaps the author should have emphasized that only some of the most used methods would be discussed. In introducing *Masoten* it was erroneously stated that *Gyrodactylus* cannot be controlled with formalin. The next and last chapter, Husbandry and Management, is a very apropos, but more emphasis on prevention by surveillance (inspection) could have been given.

My criticisms are minor—the book is well written and illustrated; it will be very useful to students, diagnosticians, and researchers.

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