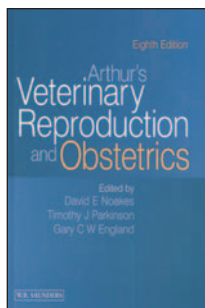


Book Reviews: *For Your Library*

Arthur's Veterinary Reproduction and Obstetrics (8th edition)

Reviewed by Russell O. Crisman, DVM, PhD, DACT



The eighth edition of *Veterinary Reproduction and Obstetrics* is written primarily for undergraduate or professional students of veterinary medicine. It would also be an appropriate text for reproduction courses in animal science for use by agricultural majors. As stated in the preface, a new chapter on rabbits and rodents has been added, and this provides useful information. Other chapters that were included in the 7th edition

have been slightly rearranged, revised, or updated.

This textbook appears to fulfill the goals of the authors. The text is clearly written and well organized. The scientific information contained is current from an applied or practical standpoint. References for information stated are used appropriately. Rationales for therapies are also included, as well as the reasons for various protocols and expected outcomes. The authors also state that some treatments and concepts are controversial, and they provide opposing ideas and theories. Tables are used where appropriate to provide data that clarify or enhance statements in the text. Figures are also appropriate and clear in intent. The bibliographies at the end of each chapter are sufficiently complete to provide resources for further reading, but they are not so exhaustive as to substantially lengthen the book. The appendix of hormones and vaccines provides an overview of products and their indication for use. This could serve as a template for students to review their knowledge of various pharmaceutical and biologic agents.

In summary, I believe this textbook would be useful in clinical reproduction courses in the veterinary and agriculture curricula. It would also have value as a general reference text for veterinary practitioners.—By David E. Noakes, Timothy J. Parkinson, & Gary England. 860 pages; illustrated. WB Saunders Co, The Curtis Center, Independence Sq W, Philadelphia, PA 19106. 2001. Price \$135.00.

Biology, Medicine, and Surgery of South American Wild Animals

Reviewed by Maryanne E. Tocidlowski, DVM, DACZM

The editors have produced *Biology, Medicine, and Surgery of South American Wild Animals* by using the experience, expertise, and knowledge gained by South American regional specialists, scientists, biologists, veterinarians, academicians, and rehabilitators. This textbook deals specifically with animals found in South America and covers a wide variety of species, including amphibians, reptiles, avians, and mammals. The information is geared toward veterinarians, biolo-

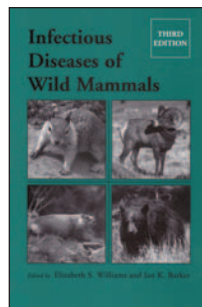


gists, and animal keepers, but it is useful for anyone seeking information related to these species. The chapters generally have good descriptions of the biology and ecology of the species. Many chapters also include information that is known about the medical and surgical treatment of the specific species. There are some excellent photographs and photomicro-

graphs of specific diseases and parasites, and a few of the chapters have information on neonates and neonatal care. There was not as much detailed medical information as may be wanted by veterinarians who routinely deal with these species, and readers will need to look elsewhere for more in-depth medical information. Overall, this textbook is a good volume to have on the shelf for those collections that house South American species, and it is a good adjunct to the other published volumes written by Dr. Fowler.—By Murray E. Fowler & Zalmir S. Cubas. 546 pages; illustrated. Iowa State University Press, 2121 S State St, Ames, IA 50014-8300. 2001. Price \$89.95.

Infectious Diseases of Wild Mammals (3rd edition)

Reviewed by Laura L. Hungerford, DVM, MPH, PhD



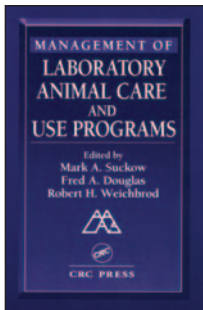
The third edition of *Infectious Diseases of Wild Mammals* provides a much-anticipated update to the widely used second edition by Davis, Karstad, and Trainer that was published in 1981. It is an excellent overview of infectious diseases in wild and captive mammals and is suitable for courses in the graduate and veterinary curricula or as a general reference for veterinarians or wildlife biologists.

Diseases are grouped by type of agent (viral and prion, bacterial, and mycotic) and then further subdivided into genera and then to specific pathogens. Information is presented on history, distribution, hosts, etiology, transmission and epidemiology, clinical signs, pathology, immunity, diagnosis, treatment, control, and concerns for domestic animals and humans. This structure makes the book most practical as a source for supplemental details to augment diagnoses, rather than as an aid to identify potential causes of outbreaks or to construct disease risk assessments. Most chapters are contributed by noted experts who have research or practical experience with the disease they describe. This is a strength, because the authors distill the literature and instill a sense of context. It is also a limitation in some chap-

ters, because views or geographic experiences that differ from those of the author are not well represented. It largely emphasizes diseases of North American and charismatic wild species. With the growing awareness of the effects of wildlife diseases on endangered populations, domestic animals, and human public health, this book will also appropriately grace the shelves of people conducting research on conservation, animal health, and emerging diseases. It provides an extremely valuable general reference on these disease agents.—By Elizabeth S. Williams & Ian K. Barker. 576 pages; illustrated. Iowa State University Press, 2121 S State St, Ames, IA 50014-8300. 2001. Price \$94.95.

Management of Laboratory Animal Care and Use Programs

Reviewed by Bruce Weekley, DVM, PhD

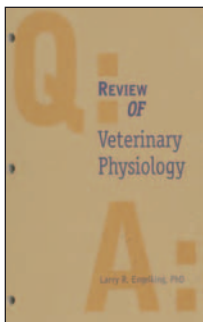


Management of Laboratory Animal Care and Use Programs contains 16 chapters addressing a wide range of issues that are of interest to those working in laboratory animal facilities. The 23 contributors have expertise in the field and address topics ranging from pragmatic issues, such as regulatory compliance, the physical plant, security, hazard identification and emergency response

plans, fiscal management, and acquisition of grants and contracts, to quality management issues, such as professional development, ethics, animal health, and public relations. This book provides a comprehensive overview of the field. Adequate references are provided to allow a more in-depth review of the areas discussed. Although application of management principles in laboratory animal facilities will vary among institutions and managers, the information presented in this book provides a starting point for those working in such settings.—By Mark A. Suckow, Fred A. Douglas, & Robert H. Weichbrod. 383 pages; illustrated. CRC Press Inc, 2000 NW Corporate Blvd, Boca Raton, FL 33431. 2001. Price \$69.95.

Review of Veterinary Physiology

Reviewed by Richard J. Martin, DSc, PhD, BVSc



Review of Veterinary Physiology consists of chapters of multiple-choice questions, each of which is followed by the answer and an explanation. The best way to illustrate the nature and composition of this text is to use a representative example of a multiple-choice question. I picked a question on gonadotrophin-releasing hormone (GnRH) from Chapter 103 (Regulation of gonadotropin release).

6. Which one of the following reduces GnRH pulse frequencies?

- Catecholamines
- γ -Aminobutyric acid
- Acetylcholine
- Opioid peptides
- Insulin

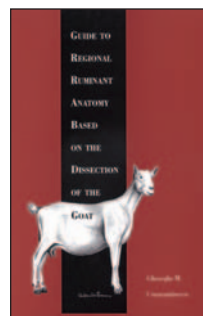
Although the precise location and nature of the GnRH pulse generator in the preoptic area of the hypothalamus are still unsettled, it is generally recognized that catecholamines, γ -aminobutyric acid, and acetylcholine increase GnRH pulse frequency, whereas serotonin and opioid peptides reduce the pulse frequency. Insulin has no effect; therefore, the answer is d.

It appears that this book has been written for veterinary students and students in related disciplines who are preparing to take professional examinations. The text consists of 147 chapters, each with approximately 6 multiple-choice questions followed by an explanation-answer paragraph. There are no flow diagrams or illustrations, merely printed text. Each page is easily detached and has punched holes so that it can be mounted in a student's notebook. This makes the book a concentrated, examination-focused text.

Dr. Engelking has worked hard to cover all the sections of physiology relevant for veterinary students. There are sections on body fluids and compartments, neuromuscular physiology and special senses, respiration, cardiovascular physiology, kidneys, gastrointestinal tract, and endocrine and reproductive physiology. It is a useful book for students preparing for examinations and should be used in conjunction with other textbooks on veterinary physiology.—By Larry R. Engelking. 657 pages. Teton NewMedia, PO Box 4833, Jackson, WY 83001. 2002. Price \$40.00.

Guide to the Regional Ruminant Anatomy Based on the Dissection of the Goat

Reviewed by Carlton H. Lamar, DVM, PhD



The *Guide to the Regional Ruminant Anatomy Based on the Dissection of the Goat* uses the goat as an anatomic model for large and small domesticated ruminants. The book is organized into 9 chapters consisting of more than 200 regionally based diagrams of anatomic information relevant to commonly performed clinical procedures. The black-and-white line drawings are well done and documented appropriately.

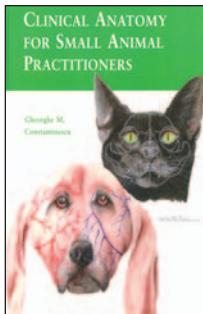
A limited number of diagrams are available to assist students with correlating regional information into the whole animal.

The author has used procedural and clinical examples to enhance the ability of students to understand and retain the importance of the information presented in the dissection guide. None of the implied procedures is discussed in the text.

The book will be useful to students with career interests in the animal sciences and veterinary medicine. The book will also be useful to students who use goats as their only anatomic model; however, students who use dogs as an anatomic model will find this guide easy to use.—By *Gheorghe M. Constantinescu*. 256 pages; illustrated. Iowa State University Press, 2121 S State St, Ames, IA 50014-8300. 2001. Price \$49.95.

Clinical Anatomy for Small Animal Practitioners

Reviewed by **Lola C. Hudson, DVM, PhD**



Dr. Constantinescu has brought his considerable expertise to a topic that needed updating for the veterinary profession. The use of color in the numerous drawings gives readers a rapid orientation to structures and an almost inherent understanding of the anatomic or clinical point being made. Additionally, the accuracy of labels and the artwork itself provide reliable information for use by practitioners who may be faced

with the need to act rapidly when performing certain procedures that are not done frequently. Similarly, material in the text is accurate and informative. The use of differing typeface allows readers to focus on anatomic versus clinical information.

Inclusion of endoscopic and laparoscopic views is helpful, because these modalities are being used more frequently by primary-care providers. However, more traditional radiographic views are also found in appropriate areas.

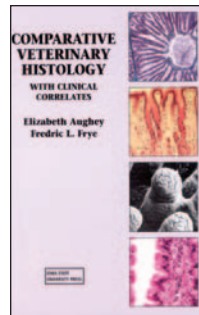
Dr. Constantinescu has developed some unique methods of depicting areas that are difficult to explain, such as cranial nerve pathways from the brain to the periphery. The combination of sketches of the brain, partial regions of the skull, and distribution is clever.

Clinical Anatomy for Small Animal Practitioners provides good information in a useful format for practitioners and veterinary students. Its positive aspects outweigh the few negative ones, and the book is reasonably priced, especially when considering the lavish use of color.—By *Gheorghe M. Constantinescu*. 400 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2002. Price \$84.99.

Comparative Veterinary Histology with Clinical Correlates

Reviewed by **Richard A. French, DVM, PhD**

Comparative Veterinary Histology with Clinical Correlates is presented as an atlas of histology for veterinary students and undergraduates with interests in comparative histology and pathology. The book is written at an introductory level in a clear and readable style that is informative and useful. Although the text is not comprehensive with regard to detailed functional histology and physiology, it contains numerous illustrations that befit

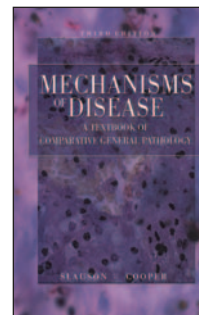


an atlas. Illustrations are of fair to excellent quality. Illustrations with only fair quality are likely a result of copying and digitizing aged micrographs and consist of micrographs with poor contrast or untrue color and background hues. However, the book does offer species comparisons on a limited basis, ranging from reptiles, amphibians, and birds to fish and common ruminants. The latter information is useful to veterinary

professionals in this day of pocket pets and captive exotic species. Each chapter covers an organ system. Chapters are brief but concise, starting with common mammalian histology and leading into species comparisons. The book also offers clinical correlates that are intended to introduce students to diseases and, thus, the histopathology for each organ system. The correlates are extremely brief and present common diseases or conditions with which undergraduates should have some experience or knowledge. The book is listed at \$99.95 and would be useful to preveterinary students, but it is of limited use as a general text for professional students. More comprehensive texts of histology and histopathology are available. I would recommend the book to professional students with interests in mixed-animal and exotic species practice and as a supplemental text or atlas for undergraduates and veterinary professionals.—By *Elizabeth Aughey & Fredric L. Frye*. 320 pages; illustrated. Iowa State University Press, 2121 S State St, Ames, IA 50014-8300. 2001. Price \$99.95.

Mechanisms of Disease: A Textbook of Comparative General Pathology (3rd edition)

Reviewed by **Kathryn A. Eaton, DVM, PhD, DACVP**



In the introduction to the third edition of *Mechanisms of Disease*, Drs. Slauson and Cooper set an ambitious goal: to preserve the comprehensiveness of the text without adding to its length. Given the abundance of new information that has become available since the second edition was published in 1990, they have succeeded admirably.

The third edition retains many of the strengths of previous editions. The style is comprehensive but concise and includes a wealth of complex information explained in a way that is easy to understand. The choice of examples, as in previous editions, is excellent, and frequent references to animal diseases not found in general medical texts make this book a unique reference for veterinarians.

Importantly, the authors have done an excellent job of updating the information. Most citations are recent, and important new topics, such as apoptosis, have been included while retaining the detailed discussion of less fashionable but still important topics, such

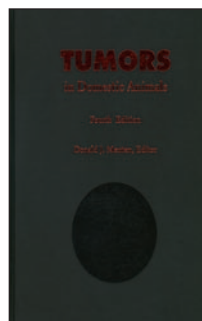
as hemostasis, cytokine and growth-factor function, and cell cycles. Of particular interest is Chapter 7 (Immunopathology), which has been almost completely rewritten and is much improved. The last chapter (The Nature and Causes of Disease) does an admirable job of organizing a disparate group of topics into a coherent whole while maintaining clarity and veterinary focus.

A minor weakness is the figures, which are something of a disappointment. Most are reprinted from the second edition, and in many cases, the clarity was affected during reprinting. Also, emphasis in the text, which was accomplished by the use of bold text in the second edition, is achieved by the use of italics in the third edition, which hinders use of the text as a rapid reference. Despite these caveats, however, the third edition is a long overdue update, and it is likely to remain an important resource for veterinary students, teachers of basic mechanisms of disease, veterinarians, veterinary residents, and graduate students who need a basic reference text or a review.—By David O. Slauson & Barry J. Cooper. 464 pages; illustrated. Mosby, 11830 Westline Industrial Dr, St Louis, MO 63146. 2002. Price \$64.95.

Tumors in Domestic Animals (4th edition)

Reviewed by Gary L. Watson, DVM, PhD

The preface indicates that the fourth edition of *Tumors in Domestic Animals* is designed for diagnostic pathologists, residents, veterinary practitioners, and oncologists. I believe that the objectives have been met



admirably. The list of contributing authors is a virtual who's who in veterinary pathology for their respective fields of knowledge and expertise. This is a must-have textbook, and it belongs in the libraries of all of the targeted groups. Although practitioners are rarely involved in the diagnosis of tumors for their patients, the spectrum of information available in this text will provide invaluable information

to aid with the interpretation of surgical biopsy and necropsy reports of neoplasms in domestic animal species, and it is provided in a single reference volume.

This textbook encompasses the spectrum of tumors in all body systems. The chapters are well written, and the text is indexed appropriately. With the increasing sophistication of immunotechniques for use in the definition of specific types of neoplasms, this text will serve as a needed reference to guide veterinary practitioners and diagnostic pathologists to the definitive diagnoses of neoplasms. Specific diagnoses will, in time, provide a firm basis into the treatment for the tumors in question, and it should provide guidance to oncologists involved in various modalities of treatment. The text also encompasses a group of diagnostic schemes and algorithms for ready reference in the prognosis and treatment of most of the common neoplasms, particularly in small animal patients. This text belongs in the library of practitioners and pathologists alike.—By Donald J. Meuten. 800 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2002. Price \$179.99.



Books Received

Anatomy and Physiology of Farm Animals. By Rowen D. Frandson, Lee Wilke, & Anna Dee Fails. 6th ed. 481 pages; illustrated. Lippincott Williams & Wilkins, 16522 Hunters Green Pkwy, Hagerstown, MD 21740-2116. 2003. Price \$64.95.

BSAVA Manual of Small Animal Dermatology. By Aiden Foster & Carol Foil. 2nd ed. 280 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$113.99.

Cattle Behaviour & Welfare. By Clive Phillips. 2nd ed. 272 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2002. Price \$47.99.

Clinical Medicine of the Dog & Cat. By Michael Schaer. 576 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$99.99.

Diseases of Poultry. By Y. M. Saif. 11th ed. 1,231 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$154.99.

Duncan & Prasse's Veterinary Laboratory Medicine: Clinical Pathology. By Kenneth S. Latimer, Edward A. Mahaffey, & Keith W. Prasse. 4th ed. 473 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$49.99.

Equine Reproductive Physiology, Breeding, and Stud Management. By M. C. G. Davies Morel. 2nd ed. 384 pages; illustrated. Oxford University Press, 198 Madison Ave, New York, NY 10016-4314. 2002. Price \$65.00.

Exotic Pests & Diseases: Biology and Economics for Biosecurity. By Daniel Sumner. 326 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$79.99.

Future Trends in Veterinary Public Health. By the WHO Study Group. 85 pages. World Health Organization, 1211 Geneva 27, Switzerland. 2003. Price \$17.10.

Globetrotting Pets: An International Guide. By David J. Forsythe. 416 pages. Island Publishing, 3604 NW Pin Oak Dr, Jensen Beach, FL 34957. 2003. Price \$21.95. Also available as an E-book. 297 pages. Price \$11.95.

Happy's Special Doctor. By Cindy King Boettcher & Tammie L. Bissett. Unpaginated; illustrated. Cindy's Books, 725 Plum Hollow Dr, College Station, TX 77845. 2003. Price \$17.99.

McDonald's Veterinary Endocrinology and Reproduction. By Mauricio H. Pineda & Michael P. Dooley. 5th ed. 597 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$44.99.

Parasites and Diseases of Wild Birds of Florida. By Donald J. Forrester & Marilyn G. Spalding. 1,024 pages; illustrated. University Press of Florida, 15 NW 15th St, Gainesville, FL 32611-2079. 2003. Price \$125.00.

Pathology of Pet and Aviary Birds. By Robert E. Schmidt, Drury R. Reavill, & David N. Phalen. 320 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$149.99.

Practical Guide to Canine and Feline Neurology. By Curtis Dewey. 544 pages; illustrated. Iowa State Press, 2121 State Ave, Ames, IA 50014-8300. 2003. Price \$74.99.

The Real James Herriott: A Memoir of My Father. By Jim Wight. 371 pages; illustrated. Ballantine Books, 201 E 50th St, New York, NY 10022-7703. 2001. Price \$14.95.



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