publication currently devoted exclusively to extensive reviews and syntheses of topics pertaining to all aspects of the biology of birds. Its chapters deal with subjects falling under such diverse rubrics as ecology, evolution, behavior, phylogeny, behavioral ecology, anatomy and physiology, and conservation biology, but all focus primarily on birds. The authors, whether members of the National Academy or young investigators just beginning their careers, are leading authorities on their subjects, and its referees are selected for their knowledge and expertise in the topics covered by the chapters they are asked to review. From budgies and cockatiels to chimpanzees and chinchillas, our interest in exotic pets has rocketed in recent years. With the house rabbit being the UK’s third most commonly kept pet after the cat and dog, and sales in small mammals, reptiles and birds continuing to grow, exotic pets have now become a specialist area of veterinary practice in their own right. Veterinary Nursing of Exotic Pets is the first book to address the need for a definitive reference book devoted entirely to the principles and applications of nursing exotic species. Developed from a City & Guilds course, it not only covers husbandry, nutrition and handling, but also explores anatomy and chemical restraint, and provides an overview of diseases and treatments. A symposium held in 1973 chaired and organized by William R. Dawson was the first major attempt to summarize and synthesize the existing information in the then emerging field of avian energetics. The symposium featured papers by James R. King, William A. Calvert III, Vance A. Tucker, and Robert E. Rickels and contributed chapters by George A. Bartholomew, S. Charles Kendrick, and Eugene P. Odum. The proceedings of the symposium, Avian Energetics (Paynter 1974), played a critical role in stimulating interest and research in the field of avian energetics. Some twenty-odd years later, we are making another attempt to summarize the information in the field of avian energetics. Some obvious differences exist between its predecessor and this volume. Numerous improvements in methodology, such as the use of doubly labeled water to estimate metabolism in free-living birds, now allow researchers to ask questions that could not be addressed prevously. Second, consideration of nutrition is now inseparable from that of energetics. This merger is necessary not only because food intake is the source of both en ergy and nutrients but also because one or more nutrients, rather than energy, can be limiting for a given species in a particular instance. Finally, the study of ener getics and nutritional ecology, particularly in birds and mammals, has grown so dramatically that a single volume can now only partially cover the range of possible topics and can catalogue only a sampling of all the studies on the subject. Ornithology in Laboratory and Field is intended as an aid to ornithological study at the college or university level. Students who lack the background knowledge usually acquired during a course in general zoology or biology should keep it handy for ready reference. The book contains extensive material for purely informational reading, possibly enough to supplement the need of an additional textbook. Its principal purpose still complies with the title of its predecessors for it is essentially a manual to guide and assist the student in direct observations. All twenty sections, except the last (“The Origin, Evolution, and Decrease of Birds”), suggest methods and provide instructions for studies; and all conclude with an extensive list of references, frequently annotated, for further information. The twenty sections of the book can be taken up in almost any order and some may be omitted without affecting the instructional value of the others. A feature of this new edition is an introduction to birds and ornithology, intended for reading at the beginning of the course. The purpose is twofold: to show the significance of birds for study and to give an overall preview of ornithology, the subject, with emphasis on its wide scope, how it is studied, and some of the continuing and exciting opportunities that it offers for investigation. Proceedings of annual conference on avian medicine and surgery presenting lecture topics from six speakers, primarily board certified avian specialists, at this 3 day conference. This material is primarily related to clinical avian medicine and surgery subjects for veterinarians and veterinary technicians. Subjects for caged, pet and wild birds include such subjects as therapeutics, nutrition, disease processes and treatment, avian techniques, endoscopy, behavior, diagnostics, emergency medicine and anatomy. Also includes reprints of scientific articles published during the past year in MASAAview, the association newsletter. Detailed information is available at http://masaa.org/laboratory animals, including birds, play an important role in biomedical research. The humane care and management of these animals is an ongoing concern. A new addition to the acclaimed Laboratory Animal Pocket Reference series, The Laboratory Bird is the first publication dedicated to the care and use of avian species in the research setting. Covering avian species such as chickens, ducks, doves, parrots, and songbirds that are commonly used as research models, the book is divided into focused chapters that cover a broad range of topics, including: General avian biology and physiology Husbandry Regulations and regulatory compliance concerning the use of birds in research Experimental methods Veterinary care Along with discussing applicable regulations, the book also details issues of health management and quarantine approaches. The final chapter provides resources such as organizations, publications, vendors, and diagnostic laboratories. With its focus on the care of a diverse group of avian species in biomedical research settings, The Laboratory Bird is a valuable reference for animal care and veterinary technicians, laboratory animal veterinarians, trainees in laboratory animal medicine, and research staff members, as well as individuals involved in laboratory work who lack experience in working with birds. Livestock production is changing worldwide. Amongst the changes are those inspired by legislation such as restrictions on antibiotics and antibiotic growth promotants, welfare regulations, etc., all forcing livestock producers to adopt new husbandry, management, nutrition and healthcare techniques. Food safety is an explosive political issue. The expectations and demands of the informed consumer have altered perceptions of risk and brought food safety to the very front and centre of politics. The gastrointestinal tract is essential in the maintenance of health, wellbeing and production in livestock. The above changes impact feed formulation. The industry looks for alternatives to maintain intestinal health and maximise animal performance, whilst complying with increasingly stringent feed formulation and legislation. The avian gastrointestinal tract is the current knowledge gap in our understanding of avian physiology. The avian gastrointestinal tract is a key topic in this book as its status is reviewed by renowned experts in the field. It describes infectious and non-infectious challenges as well as the complex interaction between innate, cellular and humoral immunity and performance. The problems that this complexity poses concerns the identification of important factors for intestinal health are discussed. ‘Intestinal health’ also reviews promising new approaches such as the use and development of validated biomarkers, and the application of omics techniques and systems biology. Here is a volume that has no parallel. . . . A good reference book for those interested in the details of avian anatomy. —Science Books & Films "A gold mine of facts . . . Every library and biology department, as well as every birdner, should have a copy close at hand."—Roger Tory Peterson, from the foreword One of the most heavily illustrated ornithology references ever written. Manual or Ornithology is a visual guide to the structure and anatomy of birds—a basic tool for investigation for anyone curious about the fascinating world of birds. A concise atlas of anatomy, it contains more than 200 specially prepared accurate and clear drawings that include material never illustrated before. This easy reference book contains hundreds of illustrations, photographs, and line drawings that allow you to: Measure and record exact measurements of body parts View the bone structure of birds adapted for flight View the skeleton and musculature of the digestive system, respiratory system, sensory, and nervous system of birds, as well as field techniques for watching and studying birds. Each chapter concludes with a list of key references for the topic covered, with a comprehensive bibliography at the end of the volume.Sturkie’s Avian Physiology is the classic comprehensive single volume on the physiology of domestic as well as wild birds. The Fourth Edition is thoroughly revised and updated, and includes new chapters on the physiology of circuclation and growth. Chapters on the nervous system and sensory organs have been greatly expanded due to the many recent advances in the field. The text also covers the physiology of flight, reproduction in both male and female birds, and the immunophysics of birds. The Fifth Edition, like the earlier editions, is a must for anyone interested in comparative physiology, poultry science, veterinary medicine, and related fields. This volume establishes the standard for those who need the latest coverage on the physiology of birds. This Fifth Edition expands and revised Coverage of Both the Physiological and Domestic and Laboratory Physiology of Birds, Revised and Expanded, Anatomical Volume devoted to birdsThe printed "Updated Edition" now comes with added value access to the complete, downloadable eBook version via Student Consult. Search, read and revise whilst on the move and use the interactive self-assessment to test your understanding. Crash Course - a more flexible, practical learning package than ever before. Crash Course - your effective every day study companion PLUS the perfect student study guide. Stock and be assured you have all the care information you need in one place to excel on your course and achieve exam success. A winning formula now for over 15 years, each student edition has been fine tuned to help you key concepts, and revision questions - those who have just been in the exam situation - with all information thoroughly checked and quality assured by expert faculty advisers, the result are books which exactly meet your needs and you know you can trust. Each subject is positioned within its appropriate relationship to the subject by linking topics, chapters, development, histology, physiology of a physical and morphological aspect. This book incorporates enhanced clinical coverage, with additional material on common diseases of the gastrointestinal tract and their management, clinical assessment and examination, common skills and techniques, supplemented with clear "learning Objectives", every chapter guides you succinctly through the topic, giving full coverage of the curriculum whilst avoiding unnecessary and often confusing detail in a fully revised self-assessment section matching the latest exam formats is also included. Copyright code - 01992d4049d659679c4622989eb23589