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Animal Behavior Collective Animal Behavior Domestic Animal Behavior for Veterinarians and Animal Scientists Game Theory and Animal Behavior Encyclopedia of Animal Behavior Animal Behavior for Shelter Veterinarians and Staff The Lion in the Living Room Animal Behavior for Shelter Veterinarians and Staff Observing Animal Behaviour Animal Behavior Conceptual Breakthroughs in Ethology and Animal Behavior Animal Behavior and Wildlife Conservation The Oxford Companion to Animal Behavior Politics and People in Ethology From Genes to Animal Behavior Essential Animal Behavior Animal Behavior Animals in Translation An Introduction to Animal Behavior Curiosity and Information Seeking in Animal and Human Behavior Behavior and Environment Animal Behavior Leaders in the Study of Animal Behavior Animal Behavior Animal Behaviour Animal Behaviour: A Very Short Introduction Exploring Animal Behavior in Laboratory and Field Animal Behavior Animal Behavior Principles and Applications of Domestic Animal Behavior What Is Animal Behavior? Introduction to Animal Behavior Animal Behavior Neural Networks and Animal Behavior Exploring Animal Behavior in Laboratory and Field Advances in the Study of Behavior Animal Behaviour The Behavior of Animals Studies in animal behavior Genetics and the Behavior of Domestic Animals

With unique personal insight, experience, and hard science, *Animals in Translations* is the definitive, groundbreaking work on animal behavior and psychology. Temple Grandin's professional training as an animal scientist and her history as a person with autism have given her a perspective like that of no other expert in the field of animal science. Grandin and coauthor Catherine Johnson present their powerful theory that autistic people can often think the way animals think—putting autistic people in the perfect position to translate “animal talk.” Exploring animal pain, fear, aggression, love, friendship, communication, learning, and even animal genius, Grandin is a faithful guide into their world. *Animals in Translation* reveals that animals are much smarter than anyone ever imagined, and Grandin, standing at the intersection of autism and animals, offers unparalleled observations and extraordinary ideas about both. How can we make better sense of animal behavior by using what we know about the brain? This is the first book that attempts to answer this important question by applying neural network theory. Scientists create Artificial Neural Networks (ANNs) to make models of the brain. These networks mimic the architecture of a nervous system by connecting elementary neuron-like units into networks in which they stimulate or inhibit each other's activity in much the same way neurons do. This book shows how scientists can employ ANNs to analyze animal behavior, explore the general principles of the nervous systems, and test potential generalizations among species. The authors focus on simple neural networks to show how ANNs can be investigated by math and by computers. They demonstrate intuitive concepts that make the operation of neural networks more accessible to nonspecialists. The first chapter introduces various approaches to animal behavior and provides an informal introduction to neural networks, their history, and their potential advantages. The second chapter reviews artificial neural networks, including biological foundations, techniques, and applications. The following three chapters apply neural networks to such topics as learning and development, classical instrumental condition, and the role of genes in building brain networks. The book concludes by comparing neural networks to other

approaches. It will appeal to students of animal behavior in many disciplines. It will also interest neurobiologists, cognitive scientists, and those from other fields who wish to learn more about animal behavior. Fish travel in schools, birds migrate in flocks, honeybees swarm, and ants build trails. How and why do these collective behaviors occur? Exploring how coordinated group patterns emerge from individual interactions, *Collective Animal Behavior* reveals why animals produce group behaviors and examines their evolution across a range of species. Providing a synthesis of mathematical modeling, theoretical biology, and experimental work, David Sumpter investigates how animals move and arrive together, how they transfer information, how they make decisions and synchronize their activities, and how they build collective structures. Sumpter constructs a unified appreciation of how different group-living species coordinate their behaviors and why natural selection has produced these groups. For the first time, the book combines traditional approaches to behavioral ecology with ideas about self-organization and complex systems from physics and mathematics. Sumpter offers a guide for working with key models in this area along with case studies of their application, and he shows how ideas about animal behavior can be applied to understanding human social behavior. Containing a wealth of accessible examples as well as qualitative and quantitative features, *Collective Animal Behavior* will interest behavioral ecologists and all scientists studying complex systems. This is a collection of autobiographical essays written by nearly two dozen scientists in the field of animal behavior. Each chapter is devoted to one individual and includes details regarding family life and early experiences, with an emphasis on the individual's career as a scientist.

Animal Behavior for Shelter Veterinarians and Staff presents and evaluates the available research and programs that address both animal and human behaviors associated with the intake, management and rehoming of dog and cats. Introductions to dog and cat behavior relevant to any animal professional Reviews behavioral reasons for the relinquishment of dogs and cats Describes intake and assessment protocol, shelter design, training and enrichment programs that reduce stress and enhance behavioral well-being Concepts to improve the adoption process and support the human-animal bond post-adoption

The International Symposium on "The Use of Space by Animals and Men," sponsored by the Animal Behavior Society, took place at the 135th Annual Meeting of the AAAS in Dallas, Texas, on December 29-31, 1968. This book presents the text of all papers and edited discussions, as well as the contributions made by several individuals who were unable to attend the Symposium. The idea of holding the Symposium evolved following my presentation of a paper to the Animal Behavior Society in 1965 [2] on the use of space by psychiatric patients. Members in attendance at that session, chaired by G. Gottlieb, shared his interest in my compilation of human data presented in a measurable spatial context. This pleasant experience persuaded me that a discussion of space might be shared as a frame of reference which could open avenues of communication between behavioral scientists, the design community, and the decision makers in our society. A detailed examination of the study of the behavior of animals includes discussions of aggression, genetics, social relationships, intelligence, communication, and instinct

"*Animal Behavior: Concepts, Methods, and Applications*, takes a conceptual approach that highlights the process of science and the real-world applications of animal behavior research"-- Behavior is shaped by both genetics and experience--nature and nurture. This book synthesizes research from behavioral genetics and animal and veterinary science, bridging the gap between these fields. The objective is to show that principles of behavioral genetics have practical applications to agricultural and companion animals. The continuing domestication of animals is a complex process whose myriad impacts on animal behavior are commonly under-appreciated. Genetic factors play a significant role in both species-specific behaviors and behavioral differences exhibited by individuals in the same species. Leading authorities explore the impact of increased intensities of selection on domestic animal behavior. Rodents, cattle, pigs, sheep, horses, herding and guard dogs, and poultry are all included in these discussions of genetics and behavior, making this book useful to veterinarians, livestock producers, laboratory animal researchers and technicians, animal trainers and breeders, and any researcher interested in animal behavior. Includes four new chapters on dog and fox behavior, pig behavior, the effects of domestication and horse behavior

Synthesizes research from behavioral genetics, animal science, and veterinary literature Broaches fields of behavior genetics and behavioral research Includes practical applications of principles discovered by behavioral genetics researchers Covers many species ranging from pigs, dogs, foxes, rodents, cattle, horses, and cats Efforts to conserve wildlife populations and preserve biological diversity are often hampered by an inadequate understanding of animal behavior. How do animals react to gaps in forested lands, or to sport hunters? Do individual differences--in age, sex, size, past experience--affect how an animal reacts to a given situation? Differences in individual behavior may determine the success or failure of a conservation initiative, yet they are rarely considered when strategies and policies are developed. *Animal Behavior and Wildlife Conservation* explores how knowledge of animal behavior may help increase the effectiveness of conservation programs. The book brings together conservation biologists, wildlife managers, and academics from around the world to examine the importance of general principles, the role played by specific characteristics of different species, and the importance of considering the behavior of individuals and the strategies they adopt to maximize fitness. Each chapter begins by looking at the theoretical foundations of a topic, and follows with an exploration of its practical implications. A concluding chapter considers possible future contributions of research in animal behavior to wildlife conservation. In order to understand and manage animals in their natural or captive environments we must first understand why animals do what they do and recognize limitations in their ability to adapt to different environments. Drawing on the author's considerable experience in both teaching and research, this introductory-level textbook describes the basic principles underlying animal behavior and how those concepts can be used in managing the care of domestic and captive wild animals, covering four key themes: development of behavior, biological rhythms, social behavior and behavioral aspects of animal management. Extensively illustrated with many practical examples and over 150 photos and figures, the book will be essential reading for animal science and veterinary students. This textbook presents all basic principles of animal behaviour in a clear and concise manner and illustrates them with up-to-date examples. Emphasis is placed on behavioural biology as an integrative discipline of organismic biology, focusing on the adaptive value of behaviours that facilitate resource access, predator avoidance and reproductive success and underlie parental care, all within a comprehensive presentation of social complexity. This new textbook provides a rich resource for students (and teachers) from a wide range of life science disciplines. *Conceptual Breakthroughs in Ethology and Animal Behavior* highlights, through concise summaries, the most important discoveries and scientific revolutions in animal behavior. These are assessed for their relative impact on the field and their significance to the forward motion of the science of animal behavior. Eighty short essays capture the moment when a new concept emerged or a publication signaled a paradigm shift. How the new understanding came about is explained, and any continuing controversy or scientific conversation on the issue is highlighted. Behavior is a rich and varied field, drawing on genetics, evolution, physiology, and ecology to inform its principles, and this book embraces the wealth of knowledge that comes from the unification of these fields around the study of animals in motion. The chronological organization of the essays makes this an excellent overview of the history of animal behavior, ethology, and behavioral ecology. The work includes such topics as Darwin's role in shaping the study of animal behavior, the logic of animal contests, cognition, empathy in animals, and animal personalities. Succinct accounts of new revelations about behavior through scientific investigation and scrutiny reveal the fascinating story of this field. Similar to Dr. John Avise's *Contemporary Breakthroughs in Evolutionary Genetics*, the work is structured into vignettes that describe the conceptual revolution and assess the impact of the conceptual change, with a score, which ranges from 1-10, providing an assessment of the impact of the new findings on contemporary science. Features a lively, brisk writing style and brief entries to enable easy, enjoyable access to this essential information Includes topics that cover the range of behavioral biology from mechanism to behavioral ecology Can also be used as supplemental material for an undergraduate animal behavior course, or as the foundational text for an upper level or graduate discussion course in advanced

animal behavior Animal Behavior, Second Edition, covers the broad sweep of animal behavior from its neurological underpinnings to the importance of behavior in conservation. The authors, Michael Breed and Janice Moore, bring almost 60 years of combined experience as university professors to this textbook, much of that teaching animal behavior. An entire chapter is devoted to the vibrant new field of behavior and conservation, including topics such as social behavior and the relationship between parasites, pathogens, and behavior. Thoughtful coverage has also been given to foraging behavior, mating and parenting behavior, anti-predator behavior, and learning. This text addresses the physiological foundations of behavior in a way that is both accessible and inviting, with each chapter beginning with learning objectives and ending with thought-provoking questions. Additionally, special terms and definitions are highlighted throughout. Animal Behavior provides a rich resource for students (and professors) from a wide range of life science disciplines. Provides a rich resource for students and professors from a wide range of life science disciplines Updated and revised chapters, with at least 50% new case studies and the addition of contemporary in-text examples Expanded and updated coverage of animal welfare topics Includes behavior and homeostatic mechanisms, behavior and conservation, and behavioral aspects of disease Available lab manual with fully developed and tested laboratory exercises Companion website includes newly developed slide sets/templates (PowerPoints) coordinated with the book Domestic Animal Behavior for Veterinarians and Animal Scientists, Sixth Edition is a fully updated revision of this popular, classic text offering a thorough understanding of the normal behavior of domestic animals. Provides a complete understanding of the normal behavior of domestic animals Covers dogs, cats, horses, pigs, sheep, cattle, and goats Describes all key aspects of animal behavior, with images to support the concepts Revised and updated to cover the latest thinking, with enhanced coverage of behavioral genetics, animal cognition, and learning Includes access to a companion website with review questions and answers and the figures from the book in PowerPoint This book introduces the reader to the power of observation before, and sometimes instead of, experimental manipulation in the study of animal behaviour. It starts with simple and easily accessible methods suitable for student projects, before going on to demonstrate the possibilities that now exist for far more sophisticated analyses of observational data. At a time when animal welfare considerations are attracting political as well as scientific debate, the potential for non-intrusive studies on animals is being increasingly recognized. Observation emerges as a valuable alternative approach, often yielding highly informative results in situations (such as on zoos, farms or for wild animals) where more invasive experimental techniques would be undesirable, unethical or just plain impossible. However, to justify its place alongside experimentation as a rigorous scientific method, observation needs to be just as disciplined and systematic and have just as much attention paid to project design in the way that observations are made and recorded. Observing Animal Behaviour takes the reader through all these stages: from the initial observations, to the formulation of hypotheses, and their subsequent testing with further systematic observations. Although designed principally as a companion text for advanced undergraduate and students taking courses in animal behaviour, this accessible text will be essential reading for anyone wanting to study animal behaviour using observational methods rather than experimentation, and assumes no previous knowledge of animals, statistics or scientific method. It will be of particular relevance and use to those professional researchers and consultants in the behavioural sciences who seek a compact but comprehensive introduction to the quantitative observation of animal behaviour. The Behavior of Animals An updated view of animal behavior studies, featuring global experts The Behavior of Animals, Second Edition provides a broad overview of the current state of animal behavior studies with contributions from international experts. This edition includes new chapters on hormones and behavior, individuality, and human evolution. All chapters have been thoroughly revised and updated, and are supported by color illustrations, informative callouts, and accessible presentation of technical information. Provides an introduction to the study of animal behavior Looks at an extensive scope of topics- from perception, motivation and emotion, biological rhythms, and animal learning to animal cognition, communication, mate choice, and individuality. Explores the evolution of animal behavior including a critical evaluation of the

assumption that human beings can be studied as if they were any other animal species. Students will benefit from an updated textbook in which a variety of contributors provide their expertise and global perspective in specialized areas. *Exploring Animal Behavior in Laboratory and Field, Second Edition* provides a comprehensive manual on animal behavior lab activities. This new edition brings together basic research and methods, presenting applications and problem-solving techniques. It provides all the details to successfully run designed activities while also offering flexibility and ease in setup. The exercises in this volume address animal behavior at all levels, describing behavior, theory, application and communication. Each lab provides details on how to successfully run the activity while also offering flexibility to instructors. This is an important resource for students, educators, researchers and practitioners who want to explore and study animal behavior. The field of animal behavior has changed dramatically in the past 15 - 20 years, including a greater use and availability of technology and statistical analysis. In addition, animal behavior has taken on a more applied role in the last decade, with a greater emphasis on conservation and applied behavior, hence the necessity for new resources on the topic. Offers an up-to-date representation of animal behavior Examines ethics and approvals for the study of vertebrate animals Includes contributions from a large field of expertise in the Animal Behavior Society Provides a flexible resource that can be used as a laboratory manual or in a flipped classroom setting *Essential Animal Behavior* provides a comprehensive introduction to all areas of the subject: from the genetic and neurobiological control of behavior to the learning, development, and function of behavior in an evolutionary context. Social behaviour is also covered throughout the text. Written in a concise and engaging style, this new book: includes examples from both marine and terrestrial environments around the world places current research alongside classic examples, and puts the study of animal behavior in an applied context, emphasizing the implications for animal welfare and animal conservation. Carefully designed to meet the needs of students coming to the subject for the first time, the book includes the following features: key concept boxes Focus on boxes chapter summaries guided reading to aid revision and further study case studies and boxed examples that reinforce essential points, and questions for discussion. This book is essential reading for degree-level students following modular programs in biology, zoology, marine biology, and psychology. An Instructor manual CD-ROM for this title is available. Please contact our Higher Education team at HigherEducation@wiley.com for more information. *Encyclopedia of Animal Behavior, Second Edition*, the latest update since the 2010 release, builds upon the solid foundation established in the first edition. Updated sections include Host-parasite interactions, Vertebrate social behavior, and the introduction of 'overview essays' that boost the book's comprehensive detail. The structure for the work is modified to accommodate a better grouping of subjects. Some chapters have been reshuffled, with section headings combined or modified. Represents a one-stop resource for scientifically reliable information on animal behavior Provides comparative approaches, including the perspective of evolutionary biologists, physiologists, endocrinologists, neuroscientists and psychologists Includes multimedia features in the online version that offer accessible tools to readers looking to deepen their understanding Game theory has revolutionized the study of animal behavior. The fundamental principle of evolutionary game theory--that the strategy adopted by one individual depends on the strategies exhibited by others--has proven a powerful tool in uncovering the forces shaping otherwise mysterious behaviors. In this volume, the first since 1982 devoted to evolutionary game theory, leading researchers describe applications of the theory to diverse types of behavior, providing an overview of recent discoveries and a synthesis of current research. The volume begins with a clear introduction to game theory and its explanatory scope. This is followed by a series of chapters on the use of game theory to understand a range of behaviors: social foraging, cooperation, animal contests, communication, reproductive skew and nepotism within groups, sibling rivalry, alternative life-histories, habitat selection, trophic-level interactions, learning, and human social behavior. In addition, the volume includes a discussion of the relations among game theory, optimality, and quantitative genetics, and an assessment of the overall utility of game theory to the study of social behavior. Presented in a manner accessible to anyone

interested in animal behavior but not necessarily trained in the mathematics of game theory, the book is intended for a wide audience of undergraduates, graduate students, and professional biologists pursuing the evolutionary analysis of animal behavior. This comprehensive volume looks at a range of topics covering the habits of a variety of animals, including how macaques teach their offspring, how rats transmit avoidance behavior, how supplementary feeding of tree frogs affects their breeding behavior, and more. Studies in animal behavior can have far-reaching implications for animals and humans alike—suggesting how humans can improve conservation efforts, how we can better protect animals both in the wild and in captivity, and what can be learned about humans from animals. Tinbergen asked four general questions about animal behavior—causation, ontogeny, survival value, and evolution. In this book, authors Michael J. Ryan and Walter Wilczynski use these questions to explore basic concepts such as the function, evolution, and mechanism of behavior. Then the neurological and endocrine mechanisms of search for resources are described, using as examples foraging, sensing, finding, and deciding, orientation and migration. The biological mechanisms and evolutionary significance of social behavior are discussed through the examples of sex differences, mate choice, social bonding, cooperation, conflict, and aggression. This book provides a well-thought-out introduction to the complexity of animal behavior that will appeal to advanced undergraduates, graduate students, and professional scientists in other fields. This classic textbook is a concise introductory guide to the subject of animal behavior. The book is organized by first building the four-cornered foundations of the subject, then moving higher. In an extremely well-organized progression, the student is led to an understanding of the essential topics, explained in logical self-contained units. Each chapter ends with suggestions for further reading. In this second edition, the coverage of mechanisms of behavior is much expanded, as is the material on evolution and natural selection. The chapter on development includes much of the new work on learning and memory, especially song-learning in birds. Indeed throughout the book, examples are drawn from recent ground-breaking research. The latest edition of the textbook of choice in animal behaviour. Extremely well illustrated and including many classic photos by Niko Tinbergen. Uniquely well suited as an introductory text - designed for student use with a clear and logical organization founded on self-contained units. The purpose of the book is to deliver a critical review of the literature and author's research data relevant for understanding the phenomena of curiosity, information seeking behavior, and novelty seeking. The book is designed to be a comprehensive and systematic lecture of areas related to the main subject in a way that will enable the reader to grasp the notion of development in terms of the evolutionary time scale and ontogenesis. Each of the subjects is explained on the basis of three perspectives: ultimate factors, integrative levels, and proximate mechanisms. This work is intended to integrate approaches adopted within psychology, ethology, and behavioral neuroscience. The major uniqueness is related to the integrative levels framework, which is not very often utilized in the contemporary books on the subject. This is why the book offers holistic, complete presentation of the area that it does cover. It should be of interests of students of psychology, animal behavior, as well teachers and educators. It provides refreshing cues for creative thinking about human curiosity. The present edition includes new data and the discussion of the new literature on the subject. A comprehensive resource to understand the behavioral considerations for intake, management, and rehoming of dogs and cats. *Animal Behavior for Shelter Veterinarians and Staff* provides readers with comprehensive information addressing the behavior of both animals and humans associated with the intake, management, and rehoming of dogs and cats. To aid in practical application, the book covers specific behavior considerations in both dogs and cats. Topics are separated by animal to allow for easy accessibility by professionals who are actively working in the field. Sample topics covered within the book include: The behavior issues that are a common cause of pet relinquishment Behavioral assessment, behavior modification, the integration of behavioral well-being into sheltering Welfare assessment, psychopharmacology, safety net programs, and caring for animals during long-term legal holds. *Equine care and caring for small mammals*. *Animal Behavior for Shelter Veterinarians and Staff* is a must-have reference for evidence-based practical tips, techniques, and protocols for everyday use in animal shelters by shelter

volunteers and staff, as well as professional trainers, behaviorists, and veterinarians working with shelters. *Animal Behavior, Third Edition* covers animal behavior from its neurological underpinnings to the importance of behavior in conservation. The book's authors, Michael Breed and Janice Moore, bring almost 60 years of combined experience as university professors, much of that teaching animal behavior. Chapters cover this social behavior and the relationship between parasites, pathogens and behavior. Thoughtful coverage has also been given to foraging behavior, mating and parenting behavior, anti-predator behavior, and learning. The book addresses the physiological foundations of behavior in a way that is both accessible and inviting, with each chapter beginning with learning objectives and ending with thought-provoking questions. Additionally, special terms and definitions are highlighted throughout, making this book an essential work for students and academic seeking a foundation in the field. Provides a rich resource on animal science and behavior for students and professors from a wide range of life science disciplines Features updated and revised chapters, with new case studies and high-definition illustrations Highlights new focuses on animal welfare issues and companion animal behavior

Politics and People in Ethology: Personal Reflections on the Study of Animal Behavior is the memoir of a man who has spent his life among animals and academics: observing, studying, playing, and thinking about them. From a childhood in southern California to years spent at Yale, Cambridge and Duke Universities, Peter Klopfer has always made connections between his academic work with animals, his political convictions, and his wide-ranging intellectual interests. Rather than a straightforward history of a discipline that grew up along with his own academic career, Klopfer offers personal and candid insights into ethology (the study of animal behavior). He offers reminiscences about the "fathers" of the field - Konrad Lorenz, Niko Tinbergen, and others. The biological and genetic bases of behavioral diversity have long been topics of study within many disciplines, including evolutionary biology, genetics, ethology, sociobiology, and comparative psychology, but only relatively recently have attempts been made to bring these different approaches together. This volume covers a wide range of interdisciplinary research which uses some of the newest and most promising methods and technologies. Presented here is an overview of findings in the ongoing search for the ultimate causes of behavior in several different species, including primates, dogs, rodents, birds, and fish. Divided into five parts, the work describes research on sexual and kin selection, personality and temperament, molecular genetics of personality, color vision and body coloration, and the neurological underpinnings of complex behaviors. Valuable for researchers as well as graduate students in a wide range of fields from neuroscience to ecology, the book is also useful to those seeking to move beyond the boundaries of their own discipline and to expand their knowledge.

Cats are incredible creatures: they can eat practically anything and live almost anywhere. Tracing their rise from prehistory to the modern cat craze, Abigail Tucker presents an adventure through history, natural science, and pop culture. With keen reporting and lively wit, Tucker investigates the way house cats have used their relationship with humans to become one of the most powerful animals on the planet-- How animals behave is crucial to their survival and reproduction. The application of new molecular tools such as DNA fingerprinting and genomics is causing a revolution in the study of animal behaviour, while developments in computing and image analysis allow us to investigate behaviour in ways never previously possible. By combining these with the traditional methods of observation and experiments, we are now learning more about animal behaviour than ever before. In this Very Short Introduction Tristram D. Wyatt discusses how animal behaviour has evolved, how behaviours develop in each individual (considering the interplay of genes, epigenetics, and experience), how we can understand animal societies, and how we can explain collective behaviour such as swirling flocks of starlings. Using lab and field studies from across the whole animal kingdom, he looks at mammals, butterflies, honeybees, fish, and birds, analysing what drives behaviour, and exploring instinct, learning, and culture. Looking more widely at behavioural ecology, he also considers some aspects of human behaviour.

ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts,

analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable. Designed to provide a variety of exercises that engage students actively in all phases of scientific investigation, from formulating research questions through interpreting and presenting final results. Suited to undergraduates, each chapter presents an animal behavior exercise tested by academic members of the Animal Behavior Society. Four types of exercises are presented: (1) traditional exercises in which students follow a pre-determined protocol to test particular hypotheses, (2) traditional exercises that can easily be adapted to inquiry-based approaches, (3) combined pedagogy exercises that involve both traditional and inquiry approaches, and (4) inquiry exercises in which students brainstorm to generate their own hypotheses, then design their own experiments to test them. Exercises cover descriptive ethology, causation and development of behavior, and behavioral ecology. Both field and laboratory exercises are included on arthropods, fish, amphibians, reptiles, birds, and mammals. Advances in the Study of Behavior, Volume 30 continues to serve scientists across a wide spectrum of disciplines. Focusing on new theories and research developments with respect to behavioral ecology, evolutionary biology, and comparative psychology, these volumes foster cooperation and communications in these dense fields. The aim of Advances in the Study of Behavior remains as it has been since the series began: to serve the increasing number of scientists who are engaged in the study of animal behavior by presenting their theoretical ideas and research to their colleagues and to those in neighboring fields. We hope that the series will continue its "contribution to the development of the field", as its intended role was phrased in the Preface to the first volume in 1965. Since that time, traditional areas of animal behavior have achieved new vigor by the links they have formed with related fields and by the closer relationship that now exists between those studying animal and human subjects. This accessible, easy-to-follow book introduces readers to how and why animals behave in the mysterious ways they do. The straightforward text explains behaviors such as mating rituals and raising young, methods of hunting, which animals hibernate, which are nocturnal, and the social patterns of different species, among other things. The images are clear and perfectly illustrate the text, showing that animals and humans are not all that different. For the reader with a curiosity about nature, this book will be a welcome addition. Investigating a whole host of species from around the globe, the first short and affordable introduction to animal behavior Investigating a whole host of species from around the globe, the first short and affordable introduction to this growing field of study "Byers ultimately makes the reader yearn to join him and watch animals for a living... an excellent example of popular-science writing." Booklist Includes demonstrations, discussions, additional reading, film, and video material as well as 40 multiple-choice and 10 essay questions per chapter. The manual also refers to 250 descriptions of websites to references for animal behavior that can be accessed through the Brooks/Cole Psychology Study Center at <http://psychstudy.brookscole.com>

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