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animal behavior covers the broad sweep of animal behavior from its neurological underpinnings to the importance of behavior in conservation the authors michael d 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 each chapter begins with learning objectives and concludes with thought provoking questions additionally special terms and definitions are highlighted throughout the book provides a rich resource for students and professors from a wide range of life science disciplines provides a solid background in the neurophysiological and endocrinological bases of animal behavior as well as exceptionally strong coverage of social behavior includes behavior and homeostatic mechanisms behavior and conservation and behavioral aspects of disease highlights aspects of behavior that relate to domestic animals in particular lab manual with fully developed and tested laboratory exercises available for courses that have labs elsevierdirect com product jsp isbn 9780123725820 companion site for faculty and students to

enhance their learning experience at elsevierdirect com companions 9780123725813 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 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 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 lead 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 practical focus of this authoritative comprehensive encyclopedia promotes the understanding and improvement of animals behaviour without compromising welfare it will be an essential resource for practising veterinarians researchers and students in zoology and ethology and for all those working with and interested in animals and their welfare book jacket this textbook covers all syllabus of b sc classes of all indian universities and has been prepared according to u g c model curriculum animal behaviour deals with various types of behaviours of animals and also that of human beings animal behaviour deal with the field of animal behaviour an exploration of the mental experiences of animals particularly as they behave in their natural environment in the course of their normal lives and gives us wonderful way of each kind of animal s uniqueness in terms of emotional signs and hints of what one animal wants to indicate and to take or to deny through behavioural patterns therefore the book is full of psychological indications on the part of animals if anyone goes through the book he may get delightful ways of animal behaviour it is an authentic study to know much more about the world animals animal behavior is the bridge between the molecular and physiological aspects of biology and the ecological behavior is the link between organisms and environment and between the nervous system and the ecosystem behavior is one of the most important properties of animal life behavior plays a critical role in biological adaptations

behavior is how we humans define our own lives behavior is that part of an organism by which it interacts with its environment behavior is as much a part of an organisms as its coat wings etc the beauty of an animal includes its behavioral attributes this book provides a broad overview of the current state of animal behaviour for undergraduate and postgraduate courses in zoology biology veterinary science and other allied fields it provides all the basic concepts and latest information on animal behaviour as the phenomena of evolution is on run so all the relevant fields are affected and ever changing 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 essentials of animal behaviour is an introduction to the study of animal behaviour and is primarily intended for first or second year undergraduates attending short courses in the subject the book concentrates on putting across the basic principles as briefly and lucidly as possible with the aid of carefully selected examples from both the recent and classic literature together with numerous illustrations it will enthuse readers with this active and exciting area of research and will lay a solid foundation on which further study may be based its simple and readable style helped by an extensive glossary will also make it useful to senior level school students their teachers and those with a general interest in the subject it will be particularly rewarding for all those needing the basics in animal behaviour behavioural ecology and comparative psychology all students and researchers of behaviour from those observing freely behaving animals in the field to those conducting more controlled laboratory studies face the problem of deciding what exactly to measure without a scientific framework on which to base them however such decisions are often unsystematic and inconsistent providing a clear and defined

starting point for any behavioural study this is the first book to make available a set of principles for how to study the organisation of behaviour and in turn for how to use those insights to select what to measure the authors provide enough theory to allow the reader to understand the derivation of the principles and draw on numerous examples to demonstrate clearly how the principles can be applied by providing a systematic framework for selecting what behaviour to measure the book lays the foundations for a more scientific approach for the study of behaviour ask anyone who has owned a pet and they'll assure you that yes animals have personalities and science is beginning to agree researchers have demonstrated that both domesticated and nondomesticated animals from invertebrates to monkeys and apes behave in consistently different ways meeting the criteria for what many define as personality but why the differences and how are personalities shaped by genes and environment how did they evolve the essays in animal personalities reveal that there is much to learn from our furred and feathered friends the study of animal personality is one of the fastest growing areas of research in behavioral and evolutionary biology here claudio carere and dario maestripieri along with a host of scholars from fields as diverse as ecology genetics endocrinology neuroscience and psychology provide a comprehensive overview of the current research on animal personality grouped into thematic sections chapters approach the topic with empirical and theoretical material and show that to fully understand why personality exists we must consider the evolutionary processes that give rise to personality the ecological correlates of personality differences and the physiological mechanisms underlying personality variation encyclopedia of animal behavior second edition four volume set 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 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 this book explains how animals use chemical communication emphasising the evolutionary context and covering fields from ecology to neuroscience and chemistry the association of pet behaviour counsellors has been established for over twenty years and their experience and understanding of this new and developing science of ethology is the basis of the book experienced animal behaviour counsellors provide the most up to date account of the science of animal psychology for all pet owners while providing a practical approach for all veterinarians who treat small animals dogs cats and rabbits are the animals most commonly treated for behavioural problems and the book focuses on the problems that affect these companion animals exploring the psychology of a pet's relationship with its owner and with each other leading writers from sarah heath and anne mcbride to inga mackellar identify the problems all vets will be asked about and provide practical solutions to them bringing together a variety of expert opinions and the most up to date research the apbc book of companion animal behaviour will help resolve a cat's anti social behaviour and explain why a dog acts like its wild wolf ancestors groundbreaking essays on problem behaviour look at how learning and emotions governs animal behaviour while outlining the best way to understand the foundations of canine behaviour how pets and children interact behaviour problems in domestic rabbits

rage syndrome in dogs problems specific to ageing pets this guide compiles the insights and experience of authors at the forefront of this expanding science to provide expert and professional perspectives that will enhance the relationship between a pet and its owner pet behavior whether dogs cats or rabbits is affected by their ethology the science of animal behavior while it is also important to understand how learning and emotional response can govern their actions animal experts propose solutions to problem behavior in ground breaking essays as well as providing guidance on the relationship between pets and children including the arrival of a new baby rage syndrome in dogs how to rehabilitate rescue dogs and cats plus advice on legal and welfare issues the association of pet behaviour counsellors has been established for almost thirty years to study why pets act as they do the apbc s experience and understanding of this new and developing science of ethology is the basis for this book experienced animal behaviour counsellors provide the most up to date account of the science of animal psychology in the relationship between a pet and its owner while providing a practical approach for veterinarians who treat small animals dogs cats and rabbits are the animals most commonly treated for behavioural problems and the book focuses on the problems that affect these companion animals exploring the psychology of a pet s relationship with its owner and with each other leading writers from julie bedford and anne mcbride to inga mackellar identify the problems all vets will be asked about and provide practical solutions to them groundbreaking essays on problem behaviour look at how learning and emotional response governs animal behaviour while outlining the best way to understand the foundations of canine behaviour how pets and children interact how to rehabilitate rescue dogs and cats rage syndrome in dogs bringing together a variety of expert opinions and the most up to date research the apbc book of companion animal behaviour will help resolve a cat s anti social behaviour and explain why a dog acts like its wild wolf ancestors an extensively revised third edition of this introduction to neuroethology the neuronal basis of animal behaviour for zoology biology and psychology undergraduate students the book focuses on the roles of

individual nerve cells in behaviour from simple startle responses to complex behaviours such as route learning by rats and singing by crickets and birds it begins by examining the relationship between brains and behaviour and showing how study of specialised behaviours reveals neuronal mechanisms that control behaviour information processing by nerve cells is introduced using specific examples and the establishing roles of neurons in behaviour is described for a predator prey interaction toads versus cockroaches new material includes vision by insects which describes sensory filtering hunting by owls and bats which describes sensory maps and rhythmical movements including swimming and flying which describes how sequences of movements are generated includes stunning photographs which capture the detail of the behaviour domestic animals are an integral component of human leisure experience and can enhance the physical social and mental wellbeing of humans the interplay of human and animal experiences of justice wellbeing rights and roles within leisure is the central theme of this book research explores the position of domesticated animals in human leisure experiences in a wide array of leisure settings chapters question whether domestic animals may have a desire for leisure that is different from human leisure whether animals have and wish to fulfil needs for meaningful leisure or non leisure and whether human leisure needs and desires may coincide or contradict wellbeing interests of animals this book provides a venue for the dissemination and exploration of research which champions the welfare and rights of these animals to have their needs and interests in leisure recognised it moves the debate about animals in leisure beyond the current limits which have seen research mainly confined to the exotic other rather than more mundane everyday domestic animals this book will be of interest to individuals in the fields of tourism ethics zoology animal behaviour and leisure studies 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 how and why animals produce group behaviors 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 beginning with darwin s work in the 1870s foundations of animal behavior selects the most important works from the discipline s first hundred years forty four classic papers and presents them in facsimile tracing the development of the field these papers are classics because they either founded a line of investigation established a basic method or provided a new approach to an important research question the papers are divided into six sections each introduced by prominent researchers sections one and two cover the origins and history of the field and the emergence of basic methods and approaches they provide a background for sections three through six which focus on development and learning neural and hormonal mechanisms of behavior sensory processes orientation and communication and the evolution of behavior this outstanding collection will serve as the basis for undergraduate and graduate seminars and as a reference for researchers in animal behavior whether they focus on ethology behavioral ecology comparative psychology or anthropology published in association with the animal behavior society essentials of animal behaviour is an introduction to the study of animal behaviour and is primarily intended for first or second year undergraduates attending short courses in the subject the book concentrates on putting across the basic principles as briefly and lucidly as possible with the aid of carefully selected examples from both the recent and classic literature together with numerous illustrations it will enthuse readers with this active and exciting area of research and will lay a solid foundation on which further study may be based its simple and readable style helped by an extensive glossary will also make it useful to senior level school students their teachers and those with a general interest in the subject it will be particularly rewarding for all those needing the basics in animal behaviour behavioural ecology and comparative psychology 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 ahref@wiley.com for more information 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 we are entering one of the most exciting periods in the study of chemical communication since the first pheromones were identified some 40 years ago this rapid progress is reflected in this book the first to cover the whole animal kingdom at this level for 25 years the importance of chemical communication is illustrated with examples from a diverse range of animals including humans marine copepods *Drosophila* *Caenorhabditis elegans* moths snakes goldfish elephants and mice it is designed to be advanced but at the same time accessible to readers whatever their scientific background for students of ecology evolution and behaviour this book gives an introduction to the rapid progress in our understanding of olfaction at the molecular and neurological level in addition it offers chemists molecular and neurobiologists an insight into the ecological evolutionary and behavioural context of olfactory communication emphasizes concepts animal behavior concepts methods and applications second edition takes a conceptual approach that highlights the process of science and the real world applications of animal behavior research in an engaging question driven style shawn e nordell and thomas j valone offer readers a clear learning progression for understanding and evaluating empirical research examples focuses on methodology and the process of science featured studies illustrate each concept and emphasize research methods immersing students in the process of animal behavior research the authors clearly identify the research question hypothesis and prediction for each featured study and then demonstrate how the methods allow the prediction to be tested highlights real world applications to help students understand the broader significance of animal behavior research each chapter contains examples of how various people and groups are applying the concepts to societal problems and issues distinctive features bolded key terms a running glossary chapter

summaries and thought provoking discussion questions provide additional support for students scientific process boxes clearly and concisely lay out each step of the research process toolboxes explain essential skills or complex terms in the science of animal behavior applying the concepts boxes provide examples of how animal behavior research is being applied to real life problems diverse research examples represent all major taxa and highlight both classic and contemporary research beautiful illustrations and photos help readers visualize complex processes and connect with the natural world completely updated and revised and synthesizing the recent explosion in animal welfare literature the sixth edition of this best selling textbook continues to provide a thorough overview of behaviour and welfare of companion and farm animals including fish the introductory section has been completely revised with all following chapters updated redesigned and improved to reflect our changing understanding written by a world leading expert and key opinion leader in animal behaviour and welfare this text provides a highly accessible guide to the subject it is an essential foundation for any veterinary animal science animal behaviour or welfare focused undergraduate or graduate course 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 this book provides a comprehensive look at the critical role of animal behaviour in the success and impact of biological invasions this up to date review examines key areas of animal behaviour including communication cognition conflict cooperation sexual selection and behavioural variation various tests are covered including recent empirical examples are animals intelligent how do they learn to solve everyday survival problems can they be intentionally deceptive the investigation of animal behaviour is an important and fascinating aspect of comparative psychology determinants of animal behaviour thoroughly covers the section on determinants of animal behaviour in the aqa a comparative psychology module and deals with the three main topics featured in the syllabus firstly the evolutionary explanations of animal behaviour are discussed including the biological explanations of apparent altruism secondly the nature of classical and operant conditioning in animal behaviour is considered and finally the role of social learning in animals is investigated real life examples are used throughout the book to illustrate the arguments presented determinants of animal behaviour is an ideal introductory text to the subject full of real life examples and both traditional and cutting edge research it will be of interest to all students new to comparative psychology and highly accessible to anyone wishing to know more about the diversity and ingenuity of animal

behaviour 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 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 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 abnormal behaviour patterns from the jumping and somersaulting of caged laboratory mice to the pacing of enclosed big cats are displayed by many millions of farm zoo research and companion animals including new chapters and over 30 contributors this book

focuses on the causation and treatment of these environment induced stereotypic behaviours and their implications for animal welfare and normalcy of brain functioning the book begins by taking an ethological perspective focusing on the constraints captivity places on animals normal behavioural repertoires and the effects these have on specific motivational systems it then addresses the role of dysfunction particularly the impact of chronic stress and impoverished environments on brain functioning the book then moves on to explore how stereotypic behaviours can be tackled once they have emerged using diverse techniques from environmental enrichment to pharmaceutical intervention it concludes by giving a new definition for stereotypic behaviour and a discussion of future research directions

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