

Animal Behavior An Evolutionary Approach

Animal Behavior Animal Behavior Animal Behavior Natural Behavior Animal Behavior The Role of Behavior in Evolution Animal Behavior (Pk W/Exploring Animal Behavior Evolutionary Paleobiology of Behavior and Coevolution Evolutionary Psychology Geographic Variation in Behavior Comparative Animal Behavior Evolutionary Ecology and Human Behavior Brain, Behavior and Evolution Evolution and Human Behavior Evolutionary Psychology Animal Behavior The Wiley Handbook of Contextual Behavioral Science Behavior and Evolution Animal Personalities The Evolutionary Origin of Human Behavior John Alcock John Alcock Victor S. Lamoureux Burton A. Weiss Professor Emeritus John Alcock Henry C. Plotkin John Alcock A.J. Boucot Jack A. Palmer Susan Adlai Foster Richard A. Maier Eric Alden Smith John Cartwright David Buss Ken Yasukawa Robert D. Zettle Claudio Carere Keith C. M. Glegg

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this fourth edition of animal behaviour shows how evolutionary biologists analyze all elements that go into the study of animal behaviour the book contains a balanced treatment of both the underlying mechanisms and the evolutionary causes of behaviour examples are drawn evenly from both vertebrates and invertebrates using over 800 references many of them from publications that have appeared in the last three years

an evolutionary approach to animal behavior the diversity of behavior the genetics of behavior the development of behavior nerve cells and behavior the organization of behavior the evolution of behavior historical pathways the evolution of adaptatioins the evolution of communication finding a place to live adaptive feefing behavior coping with predators adaptively male and female reproductive tactics the ecology of mating systems caring for offspring the ecology of social behavior an evolutionary approach to human behavior

this title includes a number of open access chapters 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

natural behavior provides seminal insights into the evolution of animal and human behavior for enthusiasts of comparative psychology and behavioral biology evolution and the behavior of the animal kingdom are discussed with new concepts on science learning and instinct and population phenomena hominization interaction with neanderthals how the brain evolved and the impact on the world are described with new views the origin of our scientific concepts and the trend away from the egocentric position placing humans at the center of the universe is considered along with the status of religion and how the fit with science is positive this volume carefully explains evolution and the central role of behavior in natural selection the range of animal behavior from single cells to people is covered as are topics like european settling of the new world first and the effects of humans on the planet

these six original essays focus on a potentially important aspect of evolutionary biology the possible causal role of phenotypic behavior in evolution balancing theory with actual or potential empiricism they provide the first full examination of this topic plotkin s opening chapter outlines the conceptual minefields that the contributors attempt to negotiate what is an adequate theory of evolution what is behavior and is it possible to maintain a distinction between behavior and other attributes of the phenotype is all or only a special subset of behavior both a cause and a consequence of evolution and what do the theoretical issues mean in empirical terms he concludes that any attempt to understand the causal role of behavior in evolution requires a more complicated theoretical structure than that of orthodox neodarwinism a conceptualization of behavior as a distinctive set of phenotypic attributes and the accumulation of more data david l hull northwestern university provides an alternative account of the evolutionary process by developing a hierarchy of replicators interactors lineages to replace the traditional one of genes organisms species robert n brandon duke university also posits hierarchy as an appropriate architecture for the theoretical complexity needed to support an examination of the role of behavior in evolution f j odling smee brunei university outlines a theoretical structure to encompass the behavior of phenotypes concentrating on the unrestricted definition of behavior everything that an animal does the remaining chapters are as much concerned with evidence as with theory plotkin concentrates on a restricted definition of behavior behavior that is a product of choosing intelligence reviewing our empirical knowledge of how learning might influence evolution r i m dunbar university college london uses empirical studies of vertebrate social behavior to deal with the question of how the social systems especially of primates might have a causal role in species evolution a bradford book

this book is the culmination of many years of research by a scientist renowned for his work in this field it contains a compilation of the data dealing with the known stratigraphic ranges of varied behaviors chiefly animal with a few plant and fungal and coevolved relations a significant part of the data consists of frozen behavior i e those in which an

organism has been preserved while actually doing something as contrasted with the interpretations of behavior of an organism deduced from functional morphology important as the latter may be the conclusions drawn from this compilation suggest that both behaviors and coevolved relations appear infrequently following which there is relative fixity of the relation i e two rates of evolution very rapid and essentially zero this conclusion complies well with the author s prior conclusion that community evolution followed the same rate pattern in fact communities are regarded here as in large part expressions of both behavior and coevolved relations rather than as random aggregates controlled almost wholly by varied unrelated physical parameters tracked by organisms i e the concept that communities have no biologic reality being merely statistical abstractions the book is illustrated throughout with more than 400 photographs and drawings it will be of interest to ethologists evolutionists parasitologists paleontologists and palaeobiologists at research and post graduate levels

a short broad introduction to the emerging field of evolutionary psychology the study of adaptive significance of behavior 10 short chapters introduce the reader to the major topics within the field of evolutionary psychology from social order and disorder to mating and reproduction to the creative impulse the origins of technology and art for psychologists students or anyone interested in evolutionary psychology

studies of animal behavior often assume that all members of a species exhibit the same behavior geographic variation in behavior shows that on the contrary there is substantial variation within species across a wide range of taxa including work from pioneers in the field this volume provides a balanced overview of research on behavioral characteristics that vary geographically the authors explore the mechanisms by which behavioral differences evolve and examine related methodological issues taken together the work collected here demonstrates that genetically based geographic variation may be far more widespread than previously suspected the book also shows how variation in

behavior can illuminate both behavioral evolution and general evolutionary patterns unique among books on behavior in its emphasis on geographic variation this volume is a valuable new resource for students and researchers in animal behavior and evolutionary biology

comparative animal behavior meets the need for a student friendly and comprehensive text in the rapidly expanding field of animal behavior it achieves a good balance between recent hot research and classic studies of animal behavior in an organized and engaging manner comparative animal behavior surpasses other texts in its coverage of the rapidly developing area of evolutionary psychology and differs from standard texts in its organizational approach which is designed to draw students into the material in a way that no other animal behavior textbook does brief rather than extensive discussions of history are presented throughout the text to hold students interest the amount of material integrating psychological and biological approaches surpasses the competition comparative animal behavior also responds to recent shifts in research and theoretical interests by providing current information in the areas of animal learning and cognition parasitism and mutualism maier describes his book as a labor of love that reflects a life long interest in the subject and over thirty five years of teaching experience

à required reading for anyone interested in the economy ecology and demography of human societies american journal of human biology this excellent book can serve both as a textl 4book and as a scholarly reference american scientist

the book covers fundamental issues such as the origins and function of sexual reproduction mating behavior human mate choice patterns of violence in families altruistic behavior the evolution of brain size and the origins of language the modular mind and the relationship between genes and culture

this book examines human psychology and behavior through the lens of modern evolutionary psychology evolutionary

psychology the new science of the mind 5e provides students with the conceptual tools of evolutionary psychology and applies them to empirical research on the human mind content topics are logically arrayed starting with challenges of survival mating parenting and kinship and then progressing to challenges of group living including cooperation aggression sexual conflict and status prestige and social hierarchies students gain a deep understanding of applying evolutionary psychology to their own lives and all the people they interact with

discover why animals do what they do based on their genes physiologies cultures traditions survival and mating advantages and evolutionary histories and find out how studying behavior in the animal world helps us understand human behavior the three volumes of animal behavior how and why animals do the things they do cover the breadth of the field addressing causation development function and evolution in a wide range of animals from invertebrates to humans inspired by nobel laureate nikolaas tinbergen's work the first two volumes follow tinbergen's four classic questions of animal behavior while the third volume supplies integrated examples of tinbergen's investigative process applied in specific cases written in an engaging accessible manner ideal for college students as well as general audiences this evidence based collection provides a fascinating tour of animal behaviorists findings such as how animal communication can be truthful or deceitful the deadly serious business behind clashes in the battle of the sexes and how documentation of animal behavior can lead to a deeper understanding of human behavior each chapter provides both historical background and information about current developments in animal behavior knowledge

the wiley handbook of contextual behavioral science describes the philosophical and empirical foundation of the contextual behavioral science movement it explores the history and goals of cbs explains its core analytic assumptions and describes relational frame theory as a research and practice program this is the first thorough examination of the philosophy basic science applied science and applications of contextual behavioral science brings together the

philosophical and empirical contributions that cbs is making to practical efforts to improve human wellbeing organized and written in such a way that it can be read in its entirety or on a section by section basis allowing readers to choose how deeply they delve into cbs extensive coverage of this wide ranging and complex area that encompasses both a rich basic experimental tradition and in depth clinical application of that experimental knowledge looks at the development of rft and its implications for alleviating human suffering

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

up until now there has been no explanation of how the outer layers of human behavior helped drive the evolution of ancient reptiles into modern day humans how did behavioral phenomena such as play learning by copying language rem sleep and storytelling influence the development of humanity as a whole the development of play was particularly important in the evolutionary process as it provided the bridge between the instinctive brains of reptiles to the powerful

brains of birds and mammals play however is just one factor that can help explain evolution and the development of human behavior in this book you'll consider a gamut of issues including evolutionary stages the paradox of animals that feed on animals the importance and repercussions of copy learning primitive games the emergence of sleep the scientific community needs to think in new ways to accurately look at human evolutionary history take that leap and consider new explanations of old behavior as you read the evolutionary origin of human behavior how play and evolution carried us from our reptile predecessors to the storytellers we are

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