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Evolutionary Behavioral Ecology Evolutionary Psychology **The Domestic Dog Cognition, Evolution, and Behavior** **Information Behavior** *Science and Philosophy of Behavior* **Sex, Murder, and the Meaning of Life** **The Evolution of Love** *Dogs Perspectives in Ethology* *Animal Personalities* **Ethology** *Conceptual Breakthroughs in Ethology and Animal Behavior* *Animal Behavior and Parasitism* *Evolutionary Psychology: Neuroscience Perspectives concerning Human Behavior and Experience* **Evolution and Human Behavior** *Behavioral Mechanisms in Evolutionary Ecology* **Comparative Psychology** *Rasse, Evolution und Verhalten* **Spent New World Primates** *Phylogenies and the Comparative Method in Animal Behavior* **Evolutionary Psychology Advances in the Study of Behavior** **Evolution of Learning and Memory Mechanisms** **Comparative Psychology: Evolution of Behavior** **Microeconomics** *Primate Behaviour* **The Macaques** *Animal Behavior Desk Reference* **Evolution of Animal Behavior** **Genes and Behaviour** **Individual Development and Evolution** *Behavior and Evolution* *The Evolution of Personality and Individual Differences* **The Oxford Handbook of Evolution, Biology, and Society** **Evolution and Human Behavior** **Games of Life** *Cooperative Breeding in Vertebrates* **Behavior and Evolution**

The Oxford Handbook of Evolution, Biology, and Society Oct 28 2019 Evolution, biology, and society is a catch-all phrase encompassing any scholarly work that utilizes evolutionary theory and/or biological or behavioral genetic methods in the study of the human social group, and The Oxford Handbook of Evolution, Biology, and Society contains an much needed overview of research in the area by sociologists and other social scientists. The examined topics cover a wide variety of issues, including the origins of social solidarity; religious beliefs; sex differences; gender inequality; determinants of human happiness; the nature of social stratification and inequality and its effects; identity, status, and other group processes; race, ethnicity, and race discrimination; fertility and family processes; crime and
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deviance; and cultural and social change. The scholars whose work is presented in this volume come from a variety of disciplines in addition to sociology, including psychology, political science, and criminology. Yet, as the essays in this volume demonstrate, the potential of theory and methods from biology for illuminating social phenomena is clear, and sociologists stand to gain from learning more about them and using them in their own work. The theory focuses on evolution by natural selection, the primary paradigm of the biological sciences, while the methods include the statistical analyses sociologists are familiar with, as well as other methods that they may not be familiar with, such as behavioral genetic methods, methods for including genetic factors in statistical analyses, gene-wide association studies,

candidate gene studies, and methods for testing levels of hormones and other biochemicals in blood and saliva and including these factors in analyses. This work will be of interest to any sociologist with an interest in exploring the interaction of biological and sociological processes. As an introduction to the field it is useful for teaching upper-level or graduate students in sociology or a related social science. **Spent** Mar 14 2021 A leading evolutionary psychologist probes the unconscious instincts behind American consumer culture Illuminating the hidden reasons for why we buy what we do, Spent applies evolutionary psychology to the sensual wonderland of marketing and perceived status that is American consumer culture. Geoffrey Miller starts with the theory that we purchase things to advertise

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ourselves to others, and then examines other factors that dictate what we spend money on. With humor and insight, Miller analyzes an array of product choices and deciphers what our decisions say about ourselves, giving us access to a new way of understanding-and improving-our behaviors to become happier consumers.

Animal Behavior and Parasitism Sep 19 2021 We live in a world teeming with parasites. Many animal behaviors, including social interactions, mating displays, and decisions about where to move, nest, and forage are shaped by interactions with parasites. The same is true for humans, where our attraction to mates, hygienic behaviors, food choices, and decisions about when and where to gather in groups often depend on current and perceived infection risk. In turn, behaviors like social distancing and self-medication can alter the trajectories of parasite transmission and evolution, as vividly illustrated by the ongoing COVID-19 pandemic. The myriad connections between animal behavior and parasitism have been the subject of growing research interest since the 1970s and 80s, when fundamental theories linking the two fields of study emerged. Since then, a combination of conceptual and technological advances, and increased integration of ideas across disciplines, have helped to uncover fascinating new connections between animal behavior and the ecology and evolution of infectious diseases.

This accessible text surveys
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emerging research in this vibrant field. Chapters focus on fundamental topics at the interface of animal behavior and parasitism, and authors have been selected to provide a diverse and international perspective. *Animal Behavior and Parasitism* is an upper-level text suitable for senior undergraduate and graduate level students as well as professional researchers in animal behavior/behavioral ecology, disease ecology, parasitology, and evolutionary biology.

[Conceptual Breakthroughs in Ethology and Animal Behavior](#)
Oct 21 2021 *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 **Comparative Psychology** May 16 2021 This revised third edition provides an up to date, comprehensive overview of the field of comparative psychology, integrating both evolutionary and developmental studies of brain and behavior. This book provides a unique combination of areas normally covered

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independently to satisfy the requirements of comparative psychology courses. Papini ensures thorough coverage of topics like the fundamentals of neural function, the cognitive and associative capacities of animals, the development of the central nervous system and behavior, and the fossil record of animals including human ancestors. This text includes many examples drawn from the study of human behavior, highlighting general and basic principles that apply broadly to the animal kingdom. New topics introduced in this edition include genetics, epigenetics, neurobiological, and cognitive advances made in recent years into this evolutionary-developmental framework. An essential textbook for upper level undergraduate and graduate courses in comparative psychology, animal behavior, and evolutionary psychology, developmental psychology, neuroscience and behavioral biology.

[Animal Personalities](#) Dec 23 2021 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 [Download File Animal Cognition Evolution Behavior And Cognition Read Pdf Free](#)

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 Maestriperi, 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.

Animal Behavior Desk Reference May 04 2020 "Words are our tools, and, as a minimum, we should use clean tools. We should know what we mean and what we do not, and we must forearm ourselves against the traps that language sets us." -- The Need for Precise Terminology, Austin (1957, 7-8) It follows that, for effective and efficient communication, people should have, or at least understand, the same precise terminology. Such terminology is crucial for the advancement of basic, theoretical, and applied science, yet too often there is ambiguity between scientific and common definitions and

even discrepancies in the scientific literature. Providing a common ground and platform for precise scientific communication in animal behavior, ecology, evolution, and related branches of biology, *Animal Behavior Desk Reference, A Dictionary of Behavior, Ecology, and Evolution, Third Edition* contains more than 800 new terms and definitions, 48 new figures, and thousands of additions and improvements. Using a dictionary format to present definitions in a standard, easily accessible manner, the book's main body emphasizes conceptual terms, rather than anatomical parts or taxonomic terms, and focuses on nouns, rather than verbs or adjectives. Term hierarchies are handled with bulleted entries and terms with multiple definitions are included as superscripted entries. All sources are cited and most are paraphrased to conform to uniform style and length. The dictionary also includes nontechnical and obsolete terms, synonyms, pronunciations, and notes and comments, as well as etymologies, term originators, and related facts. Appendices address organism names, organizations, and databases. Devoted to the precise and correct use of scientific language, this third edition of a bestselling standard enables students and scientists alike to communicate their findings and promote the efficient advancement of science.

The Domestic Dog Aug 31 2022 A scientific analysis of dogs, their behaviour, and their [Download File vortech.io on December 3, 2022 Read Pdf Free](#)

relationships with humans.

Games of Life Aug 26 2019

"An updated edition of the work originally published by Oxford University Press in 1993." With a new chapter.

Perspectives in Ethology Jan 24

2022 The current volume focuses on behavioral similarities and differences within individual animals, larger populations, and species as a whole. Research from ecological, social ontogenetic, physiological, and other perspectives is presented to explicate specific behaviors, as well as to provide a more profound understanding of how behavior work influences thought about evolutionary processes.

Evolution and Human

Behavior Sep 27 2019

Originally published in 1967.

This reprints the second edition of 1973, revised and expanded.

Evolution and Human

Behaviour considers man's biological and cultural development within the framework of Darwinian evolution. Rejecting analogue models of biological evolution common in the social sciences, the author shows how the theory of biological evolution applies to the study of contemporary human behaviour.

Microeconomics Aug 07 2020

In this novel introduction to modern microeconomic theory, Samuel Bowles returns to the classical economists' interest in the wealth and poverty of nations and people, the workings of the institutions of capitalist economies, and the coevolution of individual preferences and the structures

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of markets, firms, and other institutions. Using recent advances in evolutionary game theory, contract theory, behavioral experiments, and the modeling of dynamic processes, he develops a theory of how economic institutions shape individual behavior, and how institutions evolve due to individual actions, technological change, and chance events. Topics addressed include institutional innovation, social preferences, nonmarket social interactions, social capital, equilibrium unemployment, credit constraints, economic power, generalized increasing returns, disequilibrium outcomes, and path dependency. Each chapter is introduced by empirical puzzles or historical episodes illuminated by the modeling that follows, and the book closes with sets of problems to be solved by readers seeking to improve their mathematical modeling skills.

Complementing standard mathematical analysis are agent-based computer simulations of complex evolving systems that are available online so that readers can experiment with the models. Bowles concludes with the time-honored challenge of "getting the rules right," providing an evaluation of markets, states, and communities as contrasting and yet sometimes synergistic structures of governance. Must reading for students and scholars not only in economics but across the behavioral sciences, this engagingly written and compelling exposition of the new

microeconomics moves the field beyond the conventional models of prices and markets toward a more accurate and policy-relevant portrayal of human social behavior.

Evolution and Human

Behavior Jul 18 2021 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.

Phylogenies and the Comparative Method in Animal Behavior Jan 12 2021

In the last ten years, the comparative method has been revolutionized by modern statistical ways of incorporating phylogenies into the design and analysis of comparative studies. The results of this revolution are particularly important in the study of animal behavior, which has relied on interspecific comparisons to infer universal trends and evolutionary patterns. The chapters of this edited volume consider the impact of modern phylogenetic comparative methods on the study of animal behavior and discuss the main issues that need to be considered in design and analysis of a comparative study, considers possible differences between the evolution of behavior and the evolution of morphology, and reviews how phylogenetic comparative studies have been used in certain areas of behavioral research.

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Comparative Psychology:

Evolution of Behavior Sep 07

2020 The scientific field which focuses on the study of the behavior and mental processes of non-human animals is referred to as comparative psychology. The researches conducted in this area deal with various issues and use different methods to explore the behavior of many different species ranging from insects to primates. It emphasizes upon cross-species comparisons such as comparisons between humans and animals. A comparative approach to behavior helps in evaluating the target behavior. One of the major areas of study in this field is animal cognition. It seeks to understand the mental processes which control complex behavior. This book outlines the processes and applications of comparative psychology in detail. It presents researches and studies performed by experts across the globe. Those in search of information to further their knowledge will be greatly assisted by this book.

The Evolution of Love Mar 26

2022 Lampert presents the story of love: when, why, and how love became a central experience of humans. She sheds new insights as to who we fall in love with, why our sexual life is so full of contradictions, and from where the behavioral repertoire of lovers came. Based upon the most current scientific information, this book is written for every educated person.

Genes and Behaviour Mar 02

2020 Provides a broad
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snapshot of recent findings showing how the environment and genes influence behavior. The great debate of nature versus nurture rages on — but our understanding of the genetic basis of many behaviors has expanded over the last decade, and there is now very good evidence showing that seemingly complex behaviours can have relatively simple genetic underpinnings, but also that most behaviours have very complicated genetic and environmental architecture. Studies have also clearly shown that behaviors, and other traits, are influenced not just by genes and the environment, but also by the statistical interaction between the two. This book aims to end the nature versus nurture argument by showing that behaviors are nature and nurture and the interaction between the two, and by illustrating how single genes can explain some of the variation in behaviors even when they are seemingly complex. **Genes and Behaviour: Beyond Nature-Nurture** puts to rest the nature versus nurture dichotomy, providing an up-to-date synopsis of where we are, how far we've come and where we are headed. It considers the effects of a dual-inheritance of genes and culture, and genes and social environment, and highlights how indirect genetic effects can affect the evolution of behavior. It also examines the effect of non-self genes on the behavior of hosts, shines a light on the nature and nurturing of animal minds and invites us to embrace all the

complexity nature and nurture generates, and more. Explores exciting new findings about behavior and where we go from here. Features contributions by top scholars of the subject. Seeks to end the nature versus nurture debate forever. **Genes and Behaviour: Beyond Nature-Nurture** is a unique, and eye-opening read that will appeal to Ph.D. Students, post-doctoral fellows, and researchers in evolution and behavior.

Additionally, the book will also be of interest to geneticists, sociologists and philosophers.

[Evolutionary Psychology: Neuroscience Perspectives concerning Human Behavior and Experience](#) Aug 19 2021

This book brings together current perspectives concerning the manner in which human mind, behavior and experience evolved. In addition to the traditional psychological literature, it draws from work in the cognitive and affective neurosciences, ethology, and genetics. The focus will be on a unification and integration of evolutionary understandings within a broader consideration.

[Dogs](#) Feb 22 2022 A look at the biological needs and dispositions of our canine companions looks at eight different types of dogs and argues that their domestication evolved from dogs who found an ecological niche for themselves in Mesolithic village dumps.

Individual Development and Evolution Jan 30 2020

The author intended to portray the interrelationship of heredity, individual development and the evolution of species. The theory

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of neophenogenesis (how extra- or supragenetic development can lead to evolutionary change) is introduced

The Macaques Jun 04 2020

New World Primates Feb 10

2021 Enth.: Most papers presented in a symposium on Nov. 19, 1988 at the annual meeting of the American Anthropological Association in Phoenix, Ariz.

Ethology Nov 21 2021 A history of ethology explains the neural and evolutionary mechanisms of behavior, the relationship of behavior to genetics, and the social and complex behavior of animals and humans

Sex, Murder, and the Meaning of Life Apr 26 2022

“Kenrick writes like a dream.”—Robert Sapolsky, Professor of Biology and Neurology, Stanford University; author of *A Primate’s Memoir* and *Why Zebras Don’t Get Ulcers* What do sex and murder have to do with the meaning of life? Everything. In *Sex, Murder, and the Meaning of Life*, social psychologist Douglas Kenrick exposes the selfish animalistic underside of human nature, and shows how it is intimately connected to our greatest and most selfless achievements. Masterfully integrating cognitive science, evolutionary psychology, and complexity theory, this intriguing book paints a comprehensive picture of the principles that govern our lives. As Kenrick divulges, beneath our civilized veneer, human beings are a lot like howling hyenas and barking baboons, with heads full of homicidal tendencies and

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sexual fantasies. But, in his view, many ingrained, apparently irrational behaviors—such as inclinations to one-night stands, racial prejudices, and conspicuous consumption—ultimately manifest what he calls “Deep Rationality.” Although our heads are full of simple selfish biases that evolved to help our ancestors survive, modern human beings are anything but simple and selfish cavemen. Kenrick argues that simple and selfish mental mechanisms we inherited from our ancestors ultimately give rise to the multifaceted social lives that we humans lead today, and to the most positive features of humanity, including generosity, artistic creativity, love, and familial bonds. And out of those simple mechanisms emerge all the complexities of society, including international conflicts and global economic markets. By exploring the nuance of social psychology and the surprising results of his own research, Kenrick offers a detailed picture of what makes us caring, creative, and complex—that is, fully human. Illuminated with stories from Kenrick’s own colorful experiences -- from his criminally inclined shantytown Irish relatives, his own multiple high school expulsions, broken marriages, and homicidal fantasies, to his eventual success as an evolutionary psychologist and loving father of two boys separated by 26 years -- this book is an exploration of our mental biases and failures, and our mind’s great successes. Idiosyncratic, controversial,

and fascinating, *Sex, Murder, and the Meaning of Life* uncovers the pitfalls and promise of our biological inheritance.

Cooperative Breeding in Vertebrates Jul 26 2019

Cooperative breeders are species in which individuals beyond a pair assist in the production of young in a single brood or litter. Although relatively rare, cooperative breeding is widespread taxonomically and continues to pose challenges to our understanding of the evolution of cooperation and altruistic behavior. Bringing together long-term studies of cooperatively breeding birds, mammals, and fishes, this volume provides a synthesis of current studies in the field. The chapters are organised by individual studies of particular species or (in the case of mole-rats) two closely related cooperatively breeding species. Each focuses not only on describing behavior and ecology but also on testing evolutionary hypotheses for the form and function of the diverse and extraordinary cooperative breeding lifestyles that have been discovered. This unique and comprehensive text will be of interest to graduate students and researchers of behavioral ecology and the evolution of cooperation.

Evolutionary Psychology Dec 11 2020 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

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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.

Information Behavior Jun 28 2022 Information behavior has emerged as an important aspect of human life, however our knowledge and understanding of it is incomplete and underdeveloped scientifically. Research on the topic is largely contemporary in focus and has generally not incorporated results from other disciplines. In this monograph Spink provides a new understanding of information behavior by incorporating related findings, theories and models from social sciences, psychology and cognition. In her presentation, she argues that information behavior is an important instinctive sociocognitive ability that can only be fully understood with a highly interdisciplinary approach. The leitmotifs of her examination are three important research questions: First, what is the evolutionary, biological and developmental nature of information behavior? Second, what is the role of instinct versus environment in shaping information behavior? And, third, how have information behavior capabilities evolved and developed over time? Written for researchers in information science as well as social and cognitive sciences, Spink's controversial text lays the foundation for a new interdisciplinary theoretical
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perspective on information behavior that will not only provide a more holistic framework for this field but will also impact those sciences, and thus also open up many new research directions.

Behavior and Evolution Dec 31 2019

Rasse, Evolution und Verhalten Apr 14 2021 Von "Rassen" zu sprechen, gilt heute als anstößig, doch macht nicht nur der Blick auf die Ergebnisse in manchen Leistungssportarten deutlich, daß es genetische Unterschiede zwischen verschiedenen Großgruppen der Menschheit gibt: Auch die Medizin kommt nicht mehr umhin, solche Unterschiede zu berücksichtigen. So wurden in den USA kürzlich die ersten, speziell für Afro-Amerikaner geeigneten Medikamente zugelassen. Brisant aber ist freilich die Frage, in welchen Bereichen menschlichen Lebens solche statistischen Unterschiede wissenschaftlich fundiert festgestellt werden können und welche Ursachen - kulturelle oder biologische - sie haben. Sind sie zufällig entstanden oder erfüllen sie eine sinnvolle Aufgabe? Letztlich und vor allem muß die Frage beantwortet werden, welche möglichen Schlußfolgerungen aus diesen Erkenntnissen zu ziehen sind. In seinem Werk liefert Philippe Rushton von der University of Western Ontario einerseits eine Beschreibung der wichtigsten Unterschiede zwischen den drei menschlichen Großrassen und andererseits eine kohärente, gut untermauerte Theorie über die möglichen Entstehungsursachen dieser

Unterschiede, die er in der Jahrzehntausende alten Evolutionsgeschichte des modernen Menschen zu finden meint. Rushton analysiert die Literatur zum Thema und schöpft dabei aus dem Fundus der verschiedensten Disziplinen - von der Psychologie, Soziologie und Verhaltensforschung bis zur Genetik (mit über 1.000 Verweisen auf die Fachliteratur). Er beschreibt auch die eigenen Forschungen und kommt zum Schluß, daß sich Schwarze, Weiße und Asiaten in Bezug auf mindestens 60 verschiedene Variablen unterscheiden. Diese Unterschiede sind keine zufälligen, sondern bilden ein Muster. Weit davon entfernt, "alles auf die Biologie" zu reduzieren, argumentiert Rushton, daß man erstens durch ausschließliche Umwelttheorien nicht alle Rassenunterschiede erklären kann, daß zweitens das oben beschriebene dreigliedrige Muster mit seinen wechselseitigen Ausgleichen durch Umwelttheorien nicht plausibel gerechtfertigt werden kann, durch evolutionsbiologische Theorien aber logisch erklärbar ist, und daß drittens scheinbare Umwelteffekte auch durch genetische Effekte verursacht werden können ("genetisch-kulturelle Koevolution"). Brisant und hochaktuell: Ein wissenschaftliches Sachbuch, das Kontroversen auslösen wird!
The Evolution of Personality and Individual Differences Nov 29 2019 Capturing a scientific change in thinking about

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personality and individual differences, this volume provides theories and empirical evidence which suggest that personality and individual differences are central to evolved psychological mechanisms and behavioural functioning.

Evolutionary Behavioral Ecology Nov 02 2022

Evolutionary Behavioral Ecology presents a comprehensive treatment of the evolutionary and ecological processes shaping behavior across a wide array of organisms and a diverse set of behaviors and is suitable as a graduate-level text and as a sourcebook for professional scientists.

Behavior and Evolution Jun 24 2019

Evolutionary Psychology Oct 01 2022 Written in a lively and engaging manner, this new work places evolutionary psychology within the broad sweep of our primate heritage and the full scope of our evolutionary story. Beginning with the basics of evolution, the book first unpacks the far-ranging saga of human evolution, then moves on to examine motor behavior and emotions, sexual behavior and mate selection, and higher cognition.

Advances in the Study of Behavior Nov 09 2020

Advances in the Study of Behavior was initiated over 40 years ago to serve the increasing number of scientists engaged in the study of animal behavior. That number is still expanding. This volume makes another important

"contribution to the
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development of the field" by presenting theoretical ideas and research to those studying animal behavior and to their colleagues in neighboring fields. *Advances in the Study of Behavior* is now available online at ScienceDirect — full-text online from volume 30 onward.

Evolution of Learning and Memory Mechanisms Oct 09 2020

Evolution of Learning and Memory Mechanisms is an exploration of laboratory and field research on the many ways that evolution has influenced learning and memory processes, such as associative learning, social learning, and spatial, working, and episodic memory systems. This volume features research by both outstanding early-career scientists as well as familiar luminaries in the field. Learning and memory in a broad range of animals are explored, including numerous species of invertebrates (insects, worms, sea hares), as well as fish, amphibians, birds, rodents, bears, and human and nonhuman primates.

Contributors discuss how the behavioral, cognitive, and neural mechanisms underlying learning and memory have been influenced by evolutionary pressures. They also draw connections between learning and memory and the specific selective factors that shaped their evolution.

Evolution of Learning and Memory Mechanisms should be a valuable resource for those working in the areas of experimental and comparative psychology, comparative cognition, brain-behavior

evolution, and animal behavior.

Evolution of Animal

Behavior Apr 02 2020 This volume highlights current research in the field of animal behavior, with an emphasis on evolutionary perspectives. The contributors represent paleontological, field, and experimental approaches. The volume will be of special interest to evolutionary biologists, behavioral ecologists, and paleontologists.

Cognition, Evolution, and Behavior Jul 30 2022

How do animals perceive the world, learn, remember, search for food or mates, communicate, and find their way around? Do any nonhuman animals count, imitate one another, use a language, or have a culture? What are the uses of cognition in nature and how might it have evolved? What is the current status of Darwin's claim that other species share the same "mental powers" as humans, but to different degrees? In this completely revised second edition of *Cognition, Evolution, and Behavior*, Sara Shettleworth addresses these questions, among others, by integrating findings from psychology, behavioral ecology, and ethology in a unique and wide-ranging synthesis of theory and research on animal cognition, in the broadest sense--from species-specific adaptations of vision in fish and associative learning in rats to discussions of theory of mind in chimpanzees, dogs, and ravens. She reviews the latest research on topics such as episodic memory, metacognition, and cooperation and other-

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regarding behavior in animals, as well as recent theories about what makes human cognition unique. In every part of this new edition, Shettleworth incorporates findings and theoretical approaches that have emerged since the first edition was published in 1998. The chapters are now organized into three sections: Fundamental Mechanisms (perception, learning, categorization, memory), Physical Cognition (space, time, number, physical causation), and Social Cognition (social knowledge, social learning, communication). Shettleworth has also added new chapters on evolution and the brain and on numerical cognition, and a new chapter on physical causation that integrates theories of instrumental behavior with discussions of foraging, planning, and tool using.

[Behavioral Mechanisms in Evolutionary Ecology](#) Jun 16 2021 The first book-length exploration of behavioral mechanisms in evolutionary ecology, this ambitious volume illuminates long-standing questions about cause-and-effect relations between an animal's behavior and its environment. By focusing on biological mechanisms—the sum of an animal's cognitive, neural, developmental, and hormonal processes—leading researchers demonstrate how the integrated study of animal

physiology, cognitive processes, and social interaction can yield an enriched understanding of behavior. With studies of species ranging from insects to primates, the contributors examine how various animals identify and use environmental resources and deal with ecological constraints, as well as the roles of learning, communication, and cognitive aspects of social interaction in behavioral evolution. Taken together, the chapters demonstrate how the study of internal mechanistic foundations of behavior in relation to their ecological and evolutionary contexts and outcomes provides valuable insight into such behaviors as predation, mating, and dispersal. Behavioral Mechanisms in Evolutionary Ecology shows how a mechanistic approach unites various levels of biological organization to provide a broader understanding of the biological bases of behavioral evolution.

[Primate Behaviour](#) Jul 06 2020 Stressing direct connections between human and nonhuman society, this book about the social life of monkeys, apes and humans emphasizes the importance of social information and knowledge in the understanding of primate behavior and organization. [Science and Philosophy of Behavior](#) May 28 2022 Rediscover the science and philosophy of behavior In

Science and Philosophy of Behavior: Selected Papers, distinguished researcher W. M. Baum delivers an expansive collection of incisive papers setting out a new paradigm of thinking about behavior. The book offers only articles that put forward a philosophical and theoretical framework for an effective natural science of behavior. Quantitative analysis is largely avoided (except for a paper on, of all things, avoidance). Organized into three parts, the author explains the flow-like nature of behavior and its link to evolution, as well as descriptions of a pure form of behaviorism that correct some flaws in B.F. Skinner's seminal works. The book also links behaviorism to anthropology in its final section. Readers will also find: Fulsome descriptions of the molar nature of behavior and why the molecular view is misguided Re-imaginings of the concept of reinforcement, including considerations of allocation, induction, and contingency Explorations of the links between behavior analysis and Darwinian evolutionary processes An essential critique—and reorganization—of behavior theory and philosophy, Science and Philosophy of Behavior: Selected Papers is a controversial, fascinating, and eye-opening journey through a half-century of transformational work in the field.