

Prions In Humans And Animals

The Convergent Evolution of Agriculture in Humans and Insects **Good Natured Modeling Infectious Diseases in Humans and Animals** **Humans and Other Animals** **Anthrax in Humans and Animals** *Prions in Humans and Animals* *The Book of Humans* *Emotions of Animals and Humans* **Stone Tools in Human Evolution** **Dominance and Aggression in Humans and Other Animals** **Non-humans in Social Science** **Communication in Humans and Other Animals** **Language and Thought in Humans and Computers** *Human Biogeography* *Cosmic Influences on Humans, Animals, and Plants* **Nanotoxicology in Humans and the Environment** **Modeling Communication with Robots and Virtual Humans** **Embodied Communication in Humans and Machines** **Social Zooarchaeology Humans and Automation** *Experimenting with Humans and Animals* *Wildhood* *Beastly Natures* **Origins** *Beasts of the Earth* **Where Are We Heading?** **Humans and Other Animals in Eighteenth-century British Culture** **Clinical Signs in Humans and Animals Associated with Minerals, Trace Elements and Rare Earth Elements** **Zoobiquity** *The Book of Humans* **The Wisdom of the Liminal** **Humans** *Panarchy* **Prions and Diseases** **DNA Damage and Repair in Human Tissues** *The Dopaminergic Mind in Human Evolution and History* **The Coevolution** *Beyond Earth* **Human Ecodynamics in the North Atlantic** **Social Practices and Dynamic Non-Humans**

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Zoobiquity Jun 07 2020 A revelatory depiction of what animals can teach us about the human body and mind, exploring how animal and human commonality can be used to diagnose, treat, and heal patients of all species. "Full of fascinating stories." —Atul Gawande, M.D. Do animals overeat? Get breast cancer? Have fainting spells? Inspired by an eye-opening consultation at the Los Angeles Zoo, which revealed that a monkey experienced the same symptoms of heart failure as human patients, cardiologist Barbara Natterson-Horowitz embarked upon a project that would reshape how she practiced medicine. Beginning with the above questions, she began informally researching every affliction that she encountered in humans to learn whether it happened with animals, too. And usually, it did: dinosaurs suffered from brain cancer, koalas can catch chlamydia, reindeer seek narcotic escape in hallucinogenic mushrooms, stallions self-mutilate, and gorillas experience clinical depression. Natterson-Horowitz and science writer Kathryn Bowers have dubbed this pan-species approach to medicine zoobiquity. New York Times Bestseller An O, The Oprah Magazine "Summer Reading" Pick A Discover Magazine Best Book

The Dopaminergic Mind in Human Evolution and History Oct 31 2019 What does it mean to be human? There are many theories of the evolution of human behavior which seek to explain how our brains evolved to support our unique abilities and personalities. Most of these have focused on the role of brain size or specific genetic adaptations of the brain. In contrast, Fred Previc presents a provocative theory that high levels of dopamine, the most widely studied neurotransmitter, account for all major aspects of modern human behavior. He further emphasizes the role of epigenetic rather than genetic factors in the rise of dopamine. Previc contrasts the great achievements of the dopaminergic mind with the harmful effects of rising dopamine levels in modern societies and concludes with a critical examination of whether the dopaminergic mind that has evolved in humans is still adaptive to the health of humans and to the planet in general.

Modeling Infectious Diseases in Humans and Animals Sep 03 2022 This textbook provides information on simple epidemic models, hosts heterogeneities, temporally forced models, stochastic dynamics, spatial models and controlling infectious diseases.

Stone Tools in Human Evolution Feb 25 2022 An exploration of how the evolution of behavioral differences between humans and other primates affected the archaeological stone tool evidence.

DNA Damage and Repair in Human Tissues Dec 02 2019 Physical and chemical agents in the environment damage the DNA of humans, and pose a major threat to human health today, and to the genetic integrity of human populations. Although studies on isolated DNA in vitro, on prokaryotes, on mammalian cells in culture, and on laboratory animals have provided essential background information, it is now possible to study DNA damage and repair in human tissues directly. New techniques of high sensitivity, especially those not requiring radioactive labeling have made possible quantitation of DNA damage and repair, as well as detection of residual, unrepaired DNA lesions . In recent years, several investigators have taken up the challenge of studying damage and repair responses in humans, and we have chosen that work as the special focus of this Symposium. Major advances in under standing damage and responses in human skin, in blood cells and in human internal organs indicate three major themes. First, DNA damage levels in human tissues depend not only on the initial exposures, but also on the capacity of that tissue for repair of the specific lesion type. Second, repair in human tissues may differ quantitatively and qualitatively from that in human cells in culture.

Prions and Diseases Jan 03 2020 Volume II features a variety of animal and human prion diseases, including the newly-identified atypical forms of bovine spongiform encephalopathy and scrapie in animals, and variably protease-sensitive prionopathy in humans, prions in the environment, Tau pathology in human prion disease, transmission of the disease by blood transfusion, mammalian and non-mammalian models, conventional and advanced diagnoses, prion-specific antibodies, as well as decontamination of prions and development of therapeutics of prion diseases, such as the application of immunomodulation. This volume provides up-to-date knowledge about the etiology, pathogenesis, classification, histopathological, and clinical aspects of the highly publicized animal and human prion diseases.

Humans and Automation Mar 17 2021 Human factors, also known as human engineering or human factors engineering, is the application of behavioral and biological sciences to the design of machines and human-machine systems. Automation refers to the mechanization and integration of the sensing of environmental variables, data processing and decision making and mechanical action. This book deals with all the issues involved in human-automation systems from design to control and performance of both humans and machines.

The Wisdom of the Liminal Apr 05 2020 In this book Celia Deane-Drummond charts a new direction for theological anthropology in light of what is now known about the evolutionary trajectories of humans and other animals. She presents a case for human beings becoming fully themselves through their encounter with God, after the pattern of Christ, but also through their relationships with each other and with other animals. Drawing on classical sources, particularly the work of Thomas Aquinas, Deane-Drummond explores various facets of humans and other animals in terms of reason, freedom, language, and community. In probing and questioning how human distinctiveness has been defined using philosophical tools, she engages with a range of scientific disciplines, including evolutionary biology, biological anthropology, animal behavior, ethology, and cognitive psychology. The result is a novel, deeply nuanced interpretation of what it means to be distinctively human in the image of God.

Beasts of the Earth Oct 12 2020 Humans have lived in close proximity to other animals for thousands of years. Recent scientific studies have even shown that the presence of animals has a positive effect on our physical and mental health. People with pets typically have lower blood pressure, show fewer symptoms of depression, and tend to get more exercise. But there is a darker side to the relationship between animals and humans. Animals are carriers of harmful infectious agents and the source of a myriad of human diseases. In recent years, the emergence of high-profile illnesses such as AIDS, SARS, West Nile virus, and bird flu has drawn much public attention, but as E. Fuller Torrey and Robert H. Yolken reveal, the transfer of deadly microbes from animals to humans is neither a new nor an easily avoided problem. Beginning with the domestication of farm animals nearly 10,000 years ago, Beasts of the Earth traces the ways that human-animal contact has evolved over time. Today, shared living quarters, overlapping ecosystems, and experimental surgical practices where organs or tissues are transplanted from non-humans into humans continue to open new avenues for the transmission of infectious agents. Other changes in human behavior like increased air travel, automated food processing, and threats of bioterrorism are increasing the contagion factor by transporting microbes further distances and to larger populations in virtually no time at all. While the authors urge that a better understanding of past diseases may help us lessen the severity of some illnesses, they also warn that, given our increasingly crowded planet, it is not a question of if but when and how often animal-transmitted diseases will pose serious challenges to human health in the future.

The Book of Humans Apr 29 2022 'Charming, compelling and packed with information. I learned more about biology from this short book than I did from years of science lessons. A weird and wonderful read' PETER FRANKOPAN We like to think of ourselves as exceptional beings, but is there really anything special about us that sets us apart from other animals? Humans are the slightest of twigs on a single family tree that encompasses four billion years, a lot of twists and turns, and a billion species. All of those organisms are rooted in a single origin, with a common code that underwrites our existence. This paradox - that our biology is indistinct from all life, yet we consider ourselves to be special - lies at the heart of who we are. In this original and entertaining tour of life on Earth, Adam Rutherford explores how many of the things once considered to be exclusively human are not: we are not the only species that communicates, makes tools, utilises fire, or has sex for reasons other than to make new versions of ourselves. Evolution has, however, allowed us to develop our culture to a level of complexity that outstrips any other observed in nature. THE BOOK OF HUMANS tells the story of how we became the creatures we are today, bestowed with the unique ability to investigate what makes us who we are. Illuminated by the latest scientific discoveries, it is a thrilling compendium of what unequivocally fixes us as animals, and reveals how we are extraordinary among them. With illustrations by Alice Roberts

Where Are We Heading? Sep 10 2020 A theory of human evolution and history based on ever-increasing mutual dependency between humans and things

Social Practices and Dynamic Non-Humans Jun 27 2019 The robots are coming! So too is the 'age of automation', the march of 'invasive' species, more intense natural disasters, and a potential cataclysm of other unprecedented events and phenomena of which we do not yet know, and cannot predict. This book is concerned with how to account for these non-humans and their effects within theories of social practice. In particular, this provocative collection tackles contemporary debates about the roles, relations and agencies of constantly changing, disruptive, intelligent or otherwise 'dynamic' non-humans, such as weather, animals and automated devices. In doing so contributors challenge and take forward existing understandings of dynamic non-humans in theories of social practice by reconsidering their potential roles in everyday life. The book will benefit sociology, geography, science and technology studies, and human- (and animal-) computer interaction design scholars seeking to make sense of the complex entanglement of non-human phenomena and things in the performance of social practices.

Human Ecodynamics in the North Atlantic Jul 29 2019 In Human Ecodynamics in the North Atlantic: A Collaborative Model of Humans and Nature through Space and Time, Maher and Harrison have compiled a series of separate research projects conducted across the North Atlantic region that each contribute greatly to the area of study.

Communication in Humans and Other Animals Nov 24 2021 Communication is a basic behaviour, found across animal species. Human language is often thought of as a unique system, which separates humans from other animals. This textbook serves as a guide to different types of communication, and suggests that each is unique in its own way: human verbal and nonverbal communication, communication in nonhuman primates, in dogs and in birds. Research questions and findings from different perspectives are summarized and integrated to show students similarities and differences in the rich diversity of communicative behaviours. A core topic is how young individuals proceed from not being able to communicate to reaching a state of competent communicators, and the role of adults in this developmental process. Evolutionary aspects are also taken into consideration, and ideas about the evolution of human language are examined. The cross-disciplinary nature of the book makes it useful for courses in linguistics, biology, sociology and psychology, but it is also valuable reading for anyone interested in understanding communicative behaviour.

Clinical Signs in Humans and Animals Associated with Minerals, Trace Elements and Rare Earth Elements Jul 09 2020 Clinical Signs in Humans and Animals Associated with Minerals, Trace Elements and Rare Earth Elements is the first book to compile the clinical signs associated with deficiencies, toxicities, imbalances, exposures to minerals, trace elements and rare earth elements in animals. This book aims to increase awareness to improve diagnosis and to encourage further investigation based on comparative data. Written by an experienced veterinary clinician having worked in private practice, academia, pharmaceutical and pet food industries, this book includes data on companion animals, horses, rabbits, reptiles, ruminants, poultry, fish, and species typical in zoo populations. In addition, the book touches upon human and other primate data. The subject material is divided into three sections to provide easy access to information on clinical signs, specific elements, or species. This is an ideal resource for veterinary researchers, clinicians and practitioners, specifically those working with animal nutrition and animal feed health. Academics and public health scientists will also benefit from this book's information and data on rehabilitating and maintaining animal health. Includes data for a wide range of animal specimens, such as mammal and poultry species Provides concise and accessible summary tables of clinical signs and the species in which they are seen Offers relevant references and other useful information, such as management strategies

Human Biogeography Sep 22 2021 In this innovative, wide-ranging synthesis of anthropology and biogeography, Alexander Harcourt tells how and why our species came to be distributed around the world. He explains our current understanding of human origins, tells how climate determined our spread, and describes the barriers that delayed and directed migrating peoples. He explores the rich and complex ways in which our anatomy, physiology, cultural diversity, and population density vary from region to region in the areas we inhabit. The book closes with chapters on how human cultures have affected each other's geographic distributions, how non-human species have influenced human distribution, and how humans have reduced the ranges of many other species while increasing the ranges of others. Throughout, Harcourt compares what we understand of human biogeography to non-human primate biogeography.

Panarchy Feb 02 2020 Creating institutions to meet the challenge of sustainability is arguably the most important task confronting society; it is also dauntingly complex. Ecological, economic, and social elements all play a role, but despite ongoing efforts, researchers have yet to succeed in integrating the various disciplines in a way that gives adequate representation to the insights of each. Panarchy, a term devised to describe evolving hierarchical systems with multiple interrelated elements, offers an important new framework for understanding and resolving this dilemma. Panarchy is the structure in which systems, including those of nature (e.g., forests) and of humans (e.g., capitalism), as well as combined human-natural systems (e.g., institutions that govern natural resource use such as the Forest Service), are interlinked in continual adaptive cycles of growth, accumulation, restructuring, and renewal. These transformational cycles take place at scales ranging from a drop of water to the biosphere, over periods from days to geologic epochs. By understanding these cycles and their scales, researchers can identify the points at which a system is capable of accepting positive change, and can use those leverage points to foster resilience and sustainability within the system. This volume brings together leading thinkers on the subject -- including Fikret Berkes, Buz Brock, Steve Carpenter, Carl Folke, Lance Gunderson, C.S. Holling, Don Ludwig, Karl-Goran Maler, Charles Perrings, Marten Scheffer, Brian Walker, and Frances Westley -- to develop and examine the concept of panarchy and to consider how it can be applied to human, natural, and human-natural systems. Throughout, contributors seek to identify adaptive approaches to management that recognize uncertainty and encourage innovation while fostering resilience. The book is a fundamental new development in a widely acclaimed line of inquiry. It represents the first step in integrating disciplinary knowledge for the adaptive management of human-natural systems across widely divergent scales, and offers an important base of knowledge from which institutions for adaptive management can be developed. It will be an invaluable source of ideas and understanding for students, researchers, and professionals involved with ecology, conservation biology, ecological economics, environmental policy, or related fields.

Humans Mar 05 2020 The Instant #1 New York Times Bestseller "Just when we need it, Humans reminds us what it means to be human . . . one of the most influential art projects of the decade." —Washington Post Brandon Stanton's new book, Humans—his most moving and compelling book to date—shows us the world. Brandon Stanton created Humans of New York in 2010. What began as a photographic census of life in New York City, soon evolved into a storytelling phenomenon. A global audience of millions began following HONY daily. Over the next several years, Stanton broadened his lens to include people from across the world. Traveling to more than forty countries, he conducted interviews across continents, borders, and language barriers. Humans is the definitive catalogue of these travels. The faces and locations will vary from page to page, but the stories will feel deeply familiar. Told with candor and intimacy, Humans will resonate with readers across the globe—providing a portrait of our shared experience.

Language and Thought in Humans and Computers Oct 24 2021 The centrality of language and thought provides an intellectual focus for experimental conceptual approaches to psychology, computation, and neural science. The wealth of detailed research and theory that reflects current knowledge in the area of language and across computational and human domains is of special interest.

Wildhood Jan 15 2021 Publishers Weekly Most Anticipated Books of Fall 2019 A New York Times Editor's Pick People Best Books Fall 2019 Chicago Tribune 28 Books You Need to Read Now Booklist's Top Ten Sci-Tech Books of 2019 "It blew my mind to discover that teenage animals and teenage humans are so similar. Both are naive risk-takers. I loved this book!" —Temple Grandin, author of *Animals Make Us Human* and *Animals in Translation* A revelatory investigation of human and animal adolescence and young adulthood from the New York Times bestselling authors of *Zoobiquity*. With *Wildhood*, Harvard evolutionary biologist Barbara Natterson-Horowitz and award-winning science writer Kathryn Bowers have created an entirely new way of thinking about the crucial, vulnerable, and exhilarating phase of life between childhood and adulthood across the animal kingdom. In their critically acclaimed bestseller, *Zoobiquity*, the authors revealed the essential connection between human and animal health. In *Wildhood*, they turn the same eye-opening, species-spanning lens to adolescent young adult life. Traveling around the world and drawing from their latest research, they find that the same four universal challenges are faced by every adolescent human and animal on earth: how to be safe, how to navigate hierarchy; how to court potential mates; and how to feed oneself. Safety. Status. Sex. Self-reliance. How human and animal adolescents and young adults confront the challenges of wildhood shapes their adult destinies. Natterson-Horowitz and Bowers illuminate these core challenges through the lives of four animals in the wild: Ursula, a young king penguin; Shrink, a charismatic hyena; Salt, a matriarchal humpback whale; and Slavic, a roaming European wolf. Through their riveting stories—and those of countless others, from adventurous eagles and rambunctious high schooler to inexperienced orcas and naive young soldiers—readers get a vivid and game-changing portrait of adolescent young adults as a horizontal tribe, sharing behaviors and challenges, setbacks and triumphs. Depending on our understanding of everything from risk-taking and anxiety to the origins of privilege and the nature of sexual coercion and consent, *Wildhood* is a profound and necessary guide to the perilous, thrilling, and universal journey to adulthood on planet earth.

Embodied Communication in Humans and Machines May 19 2021 Communication is not just about the transfer of verbal information. Gestures, facial expressions, intonation and body language are all major sources of information during conversation. This book presents a new perspective on communication, one that will help us to better understand humans, and also to build machines that can communicate.

The Coevolution Sep 30 2019 Should digital technology be viewed as a new life form, sharing our ecosystem and coevolving with us? Are humans defining technology, or is technology defining humans? In this book, Edward Ashford Lee considers the case that we are less in control of the trajectory of technology than we think. It shapes us as much as we shape it, and it may be more defensible to think of technology as the result of a Darwinian coevolution than the result of top-down intelligent design. Richard Dawkins famously said that a chicken is an egg's way of making another egg. Is a human a computer's way of making another computer? To understand this question requires a deep dive into how evolution works, how humans are different from computers, and how the way technology develops resembles the emergence of a new life form on our planet. Lee presents the case for considering digital beings to be living, then offers counterarguments. What we humans do with our minds is more than computation, and what digital systems do—be teleported at the speed of light, backed up, and restored—may never be possible for humans. To believe that we are simply computations, he argues, is a "dataist" faith and scientifically indefensible. Digital beings depend on humans—and humans depend on digital beings. More likely than a planetary wipe-out of humanity is an ongoing, symbiotic coevolution of culture and technology.

Anthrax in Humans and Animals Jul 01 2022 This fourth edition of the anthrax guidelines encompasses a systematic review of the extensive new scientific literature and relevant publications up to end 2007 including all the new information that emerged in the 3-4 years after the anthrax letter events. This updated edition provides information on the disease and its importance, its etiology and ecology, and offers guidance on the detection, diagnostic, epidemiology, disinfection and decontamination, treatment and prophylaxis procedures, as well as control and surveillance processes for anthrax in humans and animals. With two rounds of a rigorous peer-review process, it is a relevant source of information for the management of anthrax in humans and animals.

Experimenting with Humans and Animals Feb 13 2021 Ethical questions about the use of animals and humans in research remain among the most vexing within both the scientific community and society at large. These often rancorous arguments have gone on, however, with little awareness of their historical antecedents.

Experimentation on animals and particularly humans is often assumed to be a uniquely modern phenomenon, but the ideas and attitudes that encourage the biological and medical sciences to experiment on living creatures date from the earliest expression of Western thought. Here, Anita Guerrini looks at the history of these practices from vivisection in ancient Alexandria to present-day battles over animal rights and medical research employing human subjects. Guerrini discusses key historical episodes, including the discovery of blood circulation, the development of smallpox and polio vaccines, and recent AIDS research. She also explores the rise of the antivivisection movement in Victorian England, the modern animal rights movement, and current debates over gene therapy.--From publisher description.

Prions in Humans and Animals May 31 2022 This comprehensive work, aimed at both students and researchers alike, systematically covers all aspects of prion diseases (transmissible spongiform encephalopathies), from their history, microbiology and pathology to their transmissibility and prevention. The book describes diseases such as Creutzfeldt-Jakob disease, kuru, mad cow disease (BSE), chronic wasting disease and scrapie, highlighting their biochemical, molecular biological, genetic, and clinical aspects. A renowned editorial team brought together 80 internationally respected authors for this translation and new edition of the successful German publication. The book includes chapters by, among many other notable scientists, William J. Hadlow, who discovered the relationship between the human and animal forms of prion diseases and Michael P. Alpers, with 45 years of experience in Papua New Guinea investigating the first known human epidemic form, kuru, transmitted by endocannibalism. Carefully edited with numerous illustrations, this work offers a systematic approach committed to a clear presentation of the current knowledge of prion diseases. It aims to inspire and stimulate interdisciplinary cooperation, innovative research ideas and effective prevention.

Cosmic Influences on Humans, Animals, and Plants Aug 22 2021 This annotated bibliography makes available to the general reader and scholar a broad survey of the scientific literature on alleged cosmic influences on humans, animals, and plants. To be included, a study must involve the collection of data or be a commentary on studies based on data. As some of the topics covered are still quite controversial in nature, while other topics have been scientifically studied to some extent, the terms "alleged," "claimed" or "suggested" are noted in the citations to remind the reader that a particular study has not necessarily been proven to be scientifically valid. The four parts of *Cosmic Influences on Humans, Animals, and Plants* are organized around alleged effects of solar activity, the moon, the planets, and possible mechanisms for such actions. Some effects that the sun and moon are known to have on our daily lives, such as the cycles of light and dark and the lunar tides have not been included because of their commonality. However, other effects such as those influences the moon has been shown to have over some animals have been included for the sake of completeness. With subject and author indexes.

Emotions of Animals and Humans Mar 29 2022 This book takes a multidisciplinary approach to emotion, with contributions from biologists, psychologists, neuroscientists, robot engineers, and artists. A wide range of emotional phenomena is discussed, including the notion that humans' sophisticated sensibility, as evidenced by our aesthetic appreciation of the arts, is based at least in part on a basic emotional sensibility that is found in young children and perhaps even some non-human animal species. As a result, this book comprises a unique comparative perspective on the study of emotion. A number of chapters consider emotions in a variety of animal groups, including fish, birds, and mammals. Other chapters expand the scope of the book to humans and robots. Specific topics covered in these chapters run the gamut from lower-level emotional activity, such as emotional expression, to higher-level emotional activity, such as altruism, love, and aesthetics. Taken as a whole, the book presents manifold perspectives on emotion and provides a solid foundation for future multidisciplinary research on the nature of emotions.

Modeling Communication with Robots and Virtual Humans Jun 19 2021 Embodied agents play an increasingly important role in cognitive interaction technology. The two main types of embodied agents are virtual humans inhabiting simulated environments and humanoid robots inhabiting the real world. So far research on embodied communicative agents has mainly explored their potential for practical applications. However, the design of communicative artificial agents can also be of great heuristic value for the scientific study of communication. It allows researchers to isolate, implement, and test essential properties of inter-agent communications in operational models. Modeling communication with robots and virtual humans thus involves the vision of using communicative machines as research tools. Artificial systems that reproduce certain aspects of natural, multimodal communication help to elucidate the internal mechanisms that give rise to different aspects of communication. In short, constructing embodied agents who are able to communicate may help us to understand the principles of human communication. As a comprehensive theme, "Embodied Communication in Humans and Machines" was taken up by an international research group hosted by Bielefeld University's Center for Interdisciplinary Research (ZIF – Zentrum für interdisziplinäre Forschung) from October 2005 through September 2006. The overarching goal of this research year was to develop an integrated perspective of embodiment in communication, establishing bridges between lower-level, sensorimotor functions and a range of higher-level, communicative functions involving language and bodily action. The present volume grew out of a workshop that took place during April 5–8, 2006 at the ZIF as a part of the research year on embodied communication.

Dominance and Aggression in Humans and Other Animals Jan 27 2022 Dominance and Aggression in Humans and Other Animals: The Great Game of Life examines human nature and the influence of evolution, genetics, chemistry, nurture, and the sociopolitical environment as a way of understanding how and why humans behave in aggressive and dominant ways. The book walks us through aggression in other social species, compares and contrasts human behavior to other animals, and then explores specific human behaviors like bullying, abuse, territoriality murder, and war. The book examines both individual and group aggression in different environments including work, school, and the home. It explores common stressors triggering aggressive behaviors, and how individual personalities can be vulnerable to, or resistant to, these stressors. The book closes with an exploration of the cumulative impact of human aggression and dominance on the natural world. Reviews the influence of evolution, genetics, biochemistry, and nurture on aggression Explores aggression in multiple species, including insects, fish, reptiles, birds, and mammals Compares human and animal aggressive and dominant behavior Examines bullying, abuse, territoriality, murder, and war Includes nonaggressive behavior in displays of respect and tolerance Highlights aggression triggers from drugs to stress Discusses individual and group behavior, including organizations and nations Probes dominance and aggression in religion and politics Translates the impact of human behavior over time on the natural world

Good Natured Oct 04 2022 Explores the idea that moral systems and ethics are part of human biology rather than a cultural force

Origins Nov 12 2020 Africa occupies a very special position in the origin and development of humankind. It is on this continent, as exciting new discoveries of fossil material have revealed, that our pre-human ancestors evolved and first acquired the key characteristics that give us our humanity. The evidence of this immense surge of human creativity is incontrovertible: the tools uncovered, the art painted and engraved on rocks, the representations of symbolic thought. This book celebrates humanity's origins in Africa and the rich archaeological heritage of the continent. It has been written by some of the world's foremost authorities on Africa's past under the editorship of Geoffrey Blundell, the Origin Centre's Curator.

Non-humans in Social Science Dec 26 2021 The book explores the issue of non-humans and their role and position within contemporary social sciences. Inspired by current trends of bridging the dichotomy of nature and culture, the authors use the "non-human" as a prism that offers a different perspective of the world, society, culture, and last but not least, being(s). To start paying attention to non-humans has the potential to hybridize social sciences and in turn enrich them as well as to offer social scientists novel perspectives and tools to approach social phenomena. Such an attitude might in turn lead to a reassessment of understanding of the relationship between the world and being, and of the categories of being and subject. Hence the potential of non-humans to stimulate an ontological shift within social sciences. The view of the "human" and "non-human" as oppositional categories is a remnant of essentially modernist thinking. This book represents a response in terms of an attempt to think about humans and non-humans outside of the binary division. The authors thus want to contribute to the hybridization of social sciences and throughout the book they deal with ontological, epistemological and thematical shifts stemming from the hybridization. If the non-human does not exist as a negation, the boundary between the two becomes unclear and overlapping. It is with this hybridization, the blurring of the boundaries, that we are able to come closer to those who inhabit the world: non-humans and humans alike.

Social Zooarchaeology Apr 17 2021 This is the first book to provide a systematic overview of social zooarchaeology, which takes a holistic view of human-animal relations in the past. Until recently, archaeological analysis of faunal evidence has primarily focused on the role of animals in the human diet and subsistence economy. This book, however, argues that animals have always played many more roles in human societies: as wealth, companions, spirit helpers, sacrificial victims, totems, centerpieces of feasts, objects of taboos, and more. These social factors are as significant as taphonomic processes in shaping animal bone assemblages. Nerissa Russell uses evidence derived from not only zooarchaeology, but also ethnography, history, and classical studies to suggest the range of human-animal relationships and to examine their importance in human society. Through exploring the significance of animals to ancient humans, this book provides a richer picture of past societies.

The Book of Humans May 07 2020 Now in paperback: From the author of the acclaimed *A Brief History of Everyone Who Ever Lived* (57,000 copies in print), a magisterial exploration of the paradox of our identity as animals—both within the animal kingdom, yet distinct from all others

Nanotoxicology in Humans and the Environment Jul 21 2021 The book covers the area of 'Nanotoxicology' but primarily from the point of view of nanotoxicology at the interface with other disciplines including human toxicology; environmental toxicology; characterization, dose and transformations; regulation; public and elite group perceptions; and interactions with innovation.Nanotoxicology in Humans and the Environment is written for researchers in nanotoxicology in academia, industry, government, and research students. Given the rapid development, the maturing of the discipline and its importance in current regulation and industry development (eg REACH, TSCA), the book is very timely.

Beastly Natures Dec 14 2020 "This new collection is a thoughtful menagerie. The essays collected here offer a fresh way of looking at animals in their context, and give us a whole new way of doing natural history. The boundaries between humans and animals are provocatively redrawn."---Stephen T. Asma, Columbia College, author of *Stuffed Animals and Pickled Heads: The Culture and Evolution of Natural History Museums* Although the animal may be, as Nietzsche argued, ahistorical, living completely in the present, it nonetheless plays a crucial role in human history. The fascination with animals that leads not only to a desire to observe and even live alongside them, but to capture or kill them, is found in all civilizations. The essays collected in *Beastly Natures* show how animals have been brought into human culture, literally helping to build our societies (as domesticated animals have done) or contributing, often in problematic ways, to our concept of the wild. The book begins with a group of essays that approach the historical relevance of human-animal relations seen from the perspectives of various disciplines and suggest ways in which animals might be brought into formal studies of history. Differences in species and location can greatly affect the shape of human-animal interaction, and so the essays that follow address a wide spectrum of topics, including the demanding fate of the working horse, the complex image of the American alligator (at turns a dangerous predator and a tourist attraction), the zoo gardens of Victorian England, the iconography of the rhinoceros and the preference it reveals in society for myth over science, relations between humans and wolves in Europe, and what we can learn from society's enthusiasm for "political" animals, such as the pets of the American presidents and the Soviet Union's "space dogs." Taken together, these essays suggest new ways of looking not only at animals but at human history.

The Convergent Evolution of Agriculture in Humans and Insects Nov 05 2022 Contributors explore common elements in the evolutionary histories of both human and insect agriculture resulting from convergent evolution. During the past 12,000 years, agriculture originated in humans as many as twenty-three times, and during the past 65 million years, agriculture also originated in nonhuman animals at least twenty times and in insects at least fifteen times. It is much more likely that these independent origins represent similar solutions to the challenge of growing food than that they are due purely to chance. This volume seeks to identify common elements in the evolutionary histories of both human and insect agriculture that are the results of convergent evolution. The goal is to create a new, synthetic field that characterizes, quantifies, and empirically documents the evolutionary and ecological mechanisms that drive both human and nonhuman agriculture. The contributors report on the results of quantitative analyses comparing human and nonhuman agriculture; discuss evolutionary conflicts of interest between and among farmers and cultivars and how they interfere with efficiencies of agricultural symbiosis; describe in detail agriculture in termites, ambrosia beetles, and ants; and consider patterns of evolutionary convergence in different aspects of agriculture, comparing fungal parasites of ant agriculture with fungal parasites of human agriculture, analyzing the effects of agriculture on human anatomy, and tracing the similarities and differences between the evolution of agriculture in humans and in a single, relatively well-studied insect group, fungus-farming ants.

Humans and Other Animals Aug 02 2022 John Dupr explores the ways in which we categorize animals, including humans, and comes to refreshingly radical conclusions. It is a mistake to think that each organism has an essence that determines its necessary place in a unique hierarchy. We should reject the misguided concepts of a universal human nature and normality in human behavior. He shows that we must take a pluralistic view of biology and the human sciences.

Humans and Other Animals in Eighteenth-century British Culture Aug 10 2020 This collection examines changing perceptions of and relations between humans and nonhuman animals in Britain. As the contributors pose questions related to modes of representing animals and animal-human hybrids, *Gulliver's Travels* and works by Mary and Percy Shelley emerge as key texts. The volume will interest scholars, students, and general readers concerned with the representation of animals and ethical issues raised by the human uses of other animals.

Beyond Earth Aug 29 2019 Providing a foundation for space planners and anyone interested in human settlement in the solar system, this book theorizes about the near future, when the heretofore significant steps of humankind—traveling to the moon and building space stations—will be dwarfed by new progress. Scholars and scientists raise and answer such questions as Why does space matter to us? What will ordinary life be like in space? and What will our homes be like on Mars or the Moon? This collection of findings by professionals documents important research, laying the bricks for space-faring civilizations and even consults future space-dwellers—kids—for their visions. Working from the assumption that humankind has a biological need to explore and improve the quality of life, the wide variety of contributors successfully argue that space as a future human habitat is not simply possible, but manifest.