

The Wild Life Of Our Bodies Predators Parasites And

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Brain Beat - PhD Michael Hoffmann MD
2015-10-01

Brain Beat: A Scientific and Evolutionary Perspective of Brain Health examines the origins of the pillars of brain health, expounding the current scientific basis for recommending physical exercise, cognitive exercises, sleep hygiene, socialization and brain-foods. However in addition to the "how" question, the more important "why" question is addressed from a neuro-archeological and evolutionary standpoint. The clinical and laboratory brain sciences are replete with ever increasing numbers of p
Dr. Eleanor's Book of Common Ants - Eleanor Spicer Rice 2017-08-03
Did you know that for every human on earth, there are about one million ants? They are among the longest-lived insects—with some ant queens passing the thirty-year mark—as well as some of the strongest. Fans of both the city and countryside alike, ants decompose dead wood, turn over soil (in some places more than earthworms), and even help plant forests by distributing seeds. But while fewer than thirty of the nearly one thousand ant species living in North America are true pests, we cringe when we see them marching across our kitchen floors. No longer! In this witty, accessible, and beautifully illustrated guide, Eleanor Spicer Rice, Alex Wild, and Rob Dunn metamorphose creepy-crawly revulsion into myrmecological wonder.

Emerging from Dunn's ambitious citizen science project *Your Wild Life* (an initiative based at North Carolina State University), Dr. Eleanor's *Book of Common Ants* provides an eye-opening entomological overview of the natural history of species most noted by project participants—and even offers tips on keeping ant farms in your home. Exploring species from the spreading red imported fire ant to the pavement ant, and featuring Wild's stunning photography, this guide will be a tremendous resource for teachers, students, and scientists alike. But more than this, it will transform the way we perceive the environment around us by deepening our understanding of its littlest inhabitants, inspiring everyone to find their inner naturalist, get outside, and crawl across the dirt—magnifying glass in hand.
[Humans and Animals: A Geography of Coexistence](#) - Julie Urbanik
2017-01-26

An engaging and at times sobering look at the coexistence of humans and animals in the 21st century and how their sometimes disparate needs affect environments, politics, economies, and culture worldwide. • Includes excerpts from 20 primary source documents related to animals • Offers a comprehensive look at a variety of aspects of human-animal relationships • Discusses how human actions affect the survival of other species, such as the northern spotted

owl and bluefin tuna

Queering Knowledge - Paul Boyce

2019-08-28

This volume draws on the significance of the work of Marilyn Strathern in respect of its potential to queer anthropological analysis and to foster the reimagining of the object of anthropology. The authors examine the ways in which Strathern's varied analytics facilitate the construction of alternative forms of anthropological thinking, and greater understanding of how knowledge practices of queer objects, subjects and relations operate and take effect. *Queering Knowledge* offers an innovative collection of writing, bringing about queer and anthropological syntheses through Strathern's oeuvre. It will be relevant to scholars from anthropology as well as a number of other disciplines, including gender, sexuality and queer studies. *Winner of the 2020 Ruth Benedict Prize for Outstanding Edited Volume*

Dr. Eleanor's Book of Common Ants of California - Eleanor Spicer Rice

2017-08-03

Did you know that for every human on earth, there are about one million ants? They are among the longest-lived insects—with some ant queens passing the thirty-year mark—as well as some of the strongest. Fans of both the city and countryside alike, ants decompose dead wood, turn over soil (in some places more than earthworms), and even help plant forests by distributing seeds. But while fewer than thirty of the nearly one thousand ant species living in North America are true pests, we cringe when we see them marching across our kitchen floors. No longer! In this witty, accessible, and beautifully illustrated guide, Eleanor Spicer Rice, Alex Wild, and Rob Dunn metamorphose creepy-crawly revulsion into myrmecological wonder. Emerging from Dunn's ambitious citizen science project *Your Wild Life* (an initiative based at North Carolina State University) and the work of Brian Fisher with the California Academy of Sciences, *Dr. Eleanor's Book of Common Ants of California* provides an eye-opening

entomological overview of the natural history of California's species most noted by project participants—and even offers tips on keeping ant farms in your home. Exploring species from the high noon and harvester ants to the honeypot and acrobat ants, and featuring Wild's stunning photography, this guide will be a tremendous resource for teachers, students, and scientists alike. But more than this, it will transform the way Californians perceive the environment around them by deepening their understanding of its littlest inhabitants, inspiring everyone to find their inner naturalist, get outside, and crawl across the dirt—magnifying glass in hand.

Transforming Historical Trauma

through Dialogue - David S. Derezotes

2013-04-11

Transforming Historical Trauma, by David S. Derezotes, helps readers understand the causes and treatment of historical trauma at an individual, group, and community level and demonstrates how a participatory, strengths-based approach can work effectively in its treatment. The first to offer a combination of theory, literature review, and practice knowledge on dialogue, this book begins with a definition of historical trauma and transformation, includes the dialogue necessary to aid in transformation (such as self-care, self-awareness and professional self-development). The author proposes six key models of dialogue practice—psychodynamic, cognitive behavioral, experiential, transpersonal, biological, and ecological—and shows how these models can be used to help transform sociohistorical trauma in clients. He then applies these six dialogue models to five common practice settings, including work with community divides, social justice work, peace and conflict work, dialogues with populations across the lifespan, and community therapy.

The Wild Life of Our Bodies - Rob

Dunn 2014-12-23

In the name of progress and clean living, we scrub much of nature off our bodies and try to remove whole kinds of life—parasites, bacteria,

mutualists, and predators. To modern humans, nature is the landscape outside. Biologist Rob Dunn contends that while "clean living" has benefited us in some ways, it has also made us sicker in others. We are trapped in bodies that evolved to deal with the dependable presence of hundreds of other species. This disconnect from the web of life has resulted in unprecedented effects that immunologists, evolutionary biologists, psychologists, and other scientists are only beginning to understand. Diabetes, autism, allergies, many anxiety disorders, autoimmune diseases, and even tooth, jaw, and vision problems are increasingly plaguing bodies that have been removed from the ecological context in which they existed for millennia. Dunn considers this crossroads at which we find ourselves. Through the stories of visionaries, Dunn argues that we can create a richer nature, one in which we choose to surround ourselves with species that benefit us, not just those that, despite us, survive.

What Is a Human? - James Paul Gee
2020-09-17

In a sweeping synthesis of new research in a number of different disciplines, this book argues that we humans are not who we think we are. As he explores the interconnections between cutting-edge work in bioanthropology, evolutionary biology, neuroscience, human language and learning, and beyond, James Paul Gee advances, also, a personal philosophy of language, learning, and culture, informed by his decades of work across linguistics and the social sciences. Gee argues that our schools, institutions, legal systems, and societies are designed for creatures that do not exist, thus resulting in multiple, interacting crises, such as climate change, failing institutions, and the rise of nationalist nationalism. As Gee constructs an understanding of the human that takes into account our social, collective, and historical nature, as established by recent research, he inspires readers to reflect for themselves on the very question of who we are—a key

consideration for anyone interested in society, government, schools, health, activism, culture and diversity, or even just survival.

Ecology in Action - Fred Singer
2016-03-10

Integrates process and content of core areas of ecology using an engaging narrative, fascinating case studies, and stunning images throughout.

A Natural History of the Future - Rob Dunn
2022-01-20

Over the past century, our species has made unprecedented technological innovations with which we have sought to control nature. In *A Natural History of the Future*, biologist Rob Dunn argues that such efforts are futile. We may see ourselves as life's overlords, but we are instead at its mercy. In the evolution of antibiotic resistance, the power of natural selection to create biodiversity, and even the surprising life of the London Underground, Dunn finds laws of life that no human activity can annul. When we create artificial islands of crops, dump toxic waste, or build communities, we provide new materials for old laws to shape. Life's future flourishing is not in question. Ours is. *A Natural History of the Future* sets a new standard for understanding the diversity and destiny of life itself.

Delicious - Rob Dunn
2022-09-27

A savory account of how the pursuit of delicious foods shaped human evolution. Nature, it has been said, invites us to eat by appetite and rewards by flavor. But what exactly are flavors? Why are some so pleasing while others are not? *Delicious* is a supremely entertaining foray into the heart of such questions. With generous helpings of warmth and wit, Rob Dunn and Monica Sanchez offer bold new perspectives on why food is enjoyable and how the pursuit of delicious flavors has guided the course of human history. They consider the role that flavor may have played in the invention of the first tools, the extinction of giant mammals, the evolution of the world's most delicious and fatty fruits, the creation of beer, and our own sociality. Along the way, you will

learn about the taste receptors you didn't even know you had, the best way to ferment a mastodon, the relationship between Paleolithic art and cheese, and much more. Blending irresistible storytelling with the latest science, *Delicious* is a deep history of flavor that will transform the way you think about human evolution and the gustatory pleasures of the foods we eat.

Handbook of Cognitive Archaeology - Tracy B. Henley 2019-07-24

The remains that archaeologists uncover reveal ancient minds at work as much as ancient hands, and for decades many have sought a better way of understanding those minds. This understanding is at the forefront of cognitive archaeology, a discipline that believes that a greater application of psychological theory to archaeology will further our understanding of the evolution of the human mind. Bringing together a diverse range of experts including archaeologists, psychologists, anthropologists, biologists, psychiatrists, neuroscientists, historians, and philosophers, in one comprehensive volume, this accessible and illuminating book is an important resource for students and researchers exploring how the application of cognitive archaeology can significantly and meaningfully deepen their knowledge of early and ancient humans. This seminal volume opens the field of cognitive archaeology to scholars across the behavioral sciences.

Host Manipulation by Parasites - Richard Dawkins 2012-06-07

Parasites that manipulate the behaviour of their hosts represent striking examples of adaptation by natural selection. This field of study is now moving beyond its descriptive phase and into more exciting areas where the processes and patterns of such dramatic adaptations can be better understood. This innovative text provides an up-to-date, authoritative, and challenging review of host manipulation by parasites that assesses the current state of developments in the field and lays out a framework for future research.

It also promotes a greater integration of behavioral ecology with studies of host manipulation (behavioral ecology has tended to concentrate mainly on behaviour expressed by free living organisms and is far less focused on the role of parasites in shaping behaviour). To help achieve this, the editors adopt a novel approach of having a prominent expert on behavioral ecology (but who does not work directly on parasites) to provide an afterword to each chapter.

If Our Bodies Could Talk - James Hamblin 2017-12-12

"If you want to understand the strange workings of the human body, and the future of medicine, you must read this illuminating, engaging book." -Siddhartha Mukherjee, author of *The Gene* In 2014, James Hamblin launched a series of videos for The Atlantic called "If Our Bodies Could Talk." With it, the doctor-turned-journalist established himself as a seriously entertaining authority in the field of health. Now, in illuminating and genuinely funny prose, Hamblin explores the human stories behind health questions that never seem to go away—and which tend to be mischaracterized and oversimplified by marketing and news media. He covers topics such as sleep, aging, diet, and much more: • Can I “boost” my immune system? • Does caffeine make me live longer? • Do we still not know if cell phones cause cancer? • How much sleep do I actually need? • Is there any harm in taking a multivitamin? • Is life long enough? In considering these questions, Hamblin draws from his own medical training as well from hundreds of interviews with distinguished scientists and medical practitioners. He translates the (traditionally boring) textbook of human anatomy and physiology into accessible, engaging, socially contextualized, up-to-the-moment answers. They offer clarity, examine the limits of our certainty, and ultimately help readers worry less about things that don't really matter. *If Our Bodies Could Talk* is a comprehensive, illustrated guide that entertains and educates in equal

doses.

Never Out of Season - Rob Dunn

2017-03-14

A Fast Food Nation for the foods we grow and depend on. The bananas we eat today aren't your parents' bananas: We eat a recognizable, consistent breakfast fruit that was standardized in the 1960s from dozens into one basic banana. But because of that, the banana we love is dangerously susceptible to a pathogen that might wipe them out. That's the story of our food today: Modern science has brought us produce in perpetual abundance—once-rare fruits are seemingly never out of season, and we breed and clone the hardiest, best-tasting varieties of the crops we rely on most. As a result, a smaller proportion of people on earth go hungry today than at any other moment in the last thousand years, and the streamlining of our food supply guarantees that the food we buy, from bananas to coffee to wheat, tastes the same every single time. Our corporate food system has nearly perfected the process of turning sunlight, water and nutrients into food. But our crops themselves remain susceptible to the nature's fury. And nature always wins. Authoritative, urgent, and filled with fascinating heroes and villains from around the world, *Never Out of Season* is the story of the crops we depend on most and the scientists racing to preserve the diversity of life, in order to save our food supply, and us.

Mother Nature Is Trying to Kill You - Dan Riskin 2014-03-04

A fun exploration of the darker side of the natural world reveals the fascinating, weird, often perverted ways that Mother Nature feeds only for herself. It may be a wonderful world, but as Dan Riskin (cohost of Discovery Canada's *Daily Planet*) explains, it's also a dangerous, disturbing, and disgusting one. At every turn, it seems, living things are trying to eat us, poison us, use our bodies as their homes, or have us spread their eggs. In *Mother Nature Is Trying to Kill You*, Riskin is our guide through the natural world at its most gloriously ruthless. Using the seven deadly sins as a road map,

Riskin offers dozens of jaw-dropping examples that illuminate how brutal nature can truly be. From slothful worms that hide in your body for up to thirty years to wrathful snails with poisonous harpoons that can kill you in less than five minutes to lustful ducks that have orgasms faster than you can blink, these fascinating accounts reveal the candid truth about "gentle" Mother Nature's true colors. Riskin's passion for the strange and his enthusiastic expertise bring Earth's most fascinating flora and fauna into vivid focus. Through his adventures—which include sliding on his back through a thick soup of bat guano just to get face-to-face with a vampire bat, befriending a parasitic maggot that has taken root on his head, and coming to grips with having offspring of his own—Riskin makes unexpected discoveries not just about the world all around us but also about the ways this brutal world has shaped us as humans and what our responsibilities are to this terrible, wonderful planet we call home.

The Wild Life of Our Bodies - Rob R. Dunn 2011

Dr. Eleanor's Book of Common Ants of Chicago - Eleanor Spicer Rice 2017-08-03

Did you know that for every human on earth, there are about one million ants? They are among the longest-lived insects—with some ant queens passing the thirty-year mark—as well as some of the strongest. Fans of both the city and countryside alike, ants decompose dead wood, turn over soil (in some places more than earthworms), and even help plant forests by distributing seeds. But while fewer than thirty of the nearly one thousand ant species living in North America are true pests, we cringe when we see them marching across our kitchen floors. No longer! In this witty, accessible, and beautifully illustrated guide, Eleanor Spicer Rice, Alex Wild, and Rob Dunn metamorphose creepy-crawly revulsion into myrmecological wonder. Emerging from Dunn's ambitious citizen science project *Your Wild*

Life (an initiative based at North Carolina State University), Dr. Eleanor's Book of Common Ants of Chicago provides an eye-opening entomological overview of the natural history of Chicago's species most noted by project participants—and even offers tips on keeping ant farms in your home. Exploring species from the hobbit ant to the tiny trapjaw ant, and featuring contributions from E. O. Wilson and Field Museum ant scientist Corrie Moreau as well as Wild's stunning photography, this guide will be a tremendous resource for teachers, students, and scientists alike. But more than this, it will transform the way Chicagoans perceive the environment around them by deepening their understanding of its littlest inhabitants, inspiring everyone to find their inner naturalist, get outside, and crawl across the dirt—magnifying glass in hand.

Posthumanism - Alan Smart 2017-04-26
Designed to explain posthumanism to those outside of academia, this brief and accessible book makes an original argument about anthropology's legacy as a study of "more than human." Smart and Smart return to the holism of classic ethnographies where cattle, pigs, yams, and sorcerers were central to the lives that were narrated by anthropologists, but they extend the discussion to include contemporary issues like microbiomes, the Anthropocene, and nano-machines, which take holism beyond locally bounded spaces. They outline what a holism without boundaries could look like, and what anthropology could offer to the knowledge of more-than-human nature in the past, present, and future.

Pathology of Wildlife and Zoo Animals

- Karen A. Terio 2018-10-08
Pathology of Wildlife and Zoo Animals is a comprehensive resource that covers the pathology of wildlife and zoo species, including a wide scope of animals, disease types and geographic regions. It is the definitive book for students, biologists, scientists, physicians, veterinary clinicians and pathologists working with non-domestic species in a variety of

settings. General chapters include information on performing necropsies, proper techniques to meet the specialized needs of forensic cases, laboratory diagnostics, and an introduction into basic principles of comparative clinical pathology. The taxon-based chapters provide information about disease in related groups of animals and include descriptions of gross and histologic lesions, pathogenesis and diagnostics. For each group of animals, notable, unique gross and microscopic anatomical features are provided to further assist the reader in deciding whether differences from the domestic animal paradigm are "normal." Additional online content, which includes text, images, and whole scanned glass slides of selected conditions, expands the published material resulting in a comprehensive approach to the topic. Presents a single resource for performing necropsies on a variety of taxa, including terrestrial and aquatic vertebrates and invertebrates. Describes notable, unique gross and microscopic anatomical variations among species/taxa to assist in understanding normal features, in particular those that can be mistaken as being abnormal. Provides consistent organization of chapters with descriptions of unique anatomic features, common non-infectious and infectious diseases following brief overviews of the taxonomic group. Contains full-color, high quality illustrations of diseases. Links to a large online library of scanned slides related to topics in the book that illustrate important histologic findings.

Practices of Speculation - Jeanne Cortiel 2020-12-31

This volume offers innovative ways to think about speculation at a time when anticipation of catastrophe in an apocalyptic mode is the order of the day and shapes public discourse on a global scale. It maps an interdisciplinary field of investigation: the chapters interrogate hegemonic ways of shaping the present through investments in the future, while also looking at speculative practices that reveal

transformative potential. The twelve contributions explore concrete instances of envisioning the open unknown and affirmative speculative potentials in history, literature, comics, computer games, mold research, ecosystem science and artistic practice.

Encyclopedia of Natural Resources - Two-Volume Set - Yeqiao Wang
2014-06-01

With unprecedented attention on global change, the current debate revolves around the availability and sustainability of natural resources and how to achieve equilibrium between what society demands from natural environments and what the natural resource base can provide. A full understanding of the range of issues, from the consequences of the changing resource bases to the degradation of ecological integrity and the sustainability of life, is crucial to the process of developing solutions to this complex challenge. Authored by world-class scientists and scholars, The Encyclopedia of Natural Resources provides an authoritative reference on a broad spectrum of topics such as the forcing factors and habitats of life; their histories, current status, and future trends; and their societal connections, economic values, and management. The content presents state-of-the-art science and technology development and perspectives of resource management. Written and designed with a broad audience in mind, the entries clearly elucidate the issues for readers at all levels. Volume I - Land includes 98 entries that cover the topical areas of renewable and nonrenewable natural resources such as forest and vegetative; soil; terrestrial coastal and inland wetlands; landscape structure and function and change; biological diversity; ecosystem services, protected areas, and management; natural resource economics; and resource security and sustainability. In Volume II, Water includes 59 entries and Air includes 31 entries. The Water entries cover topical areas such as fresh water, groundwater, water quality and watersheds, ice and snow, coastal

environments, and marine resources and economics. The Air entries cover air pollutants, atmospheric oscillation, circulation patterns and atmospheric water storage, as well as agroclimatology, climate change, and extreme events. Additional topics in meteorology include acid rain, drought, ozone depletion, water storage, and more. Natural resources represent such a broad scope of complex and challenging topics that a reference book must cover a vast number of subjects in order to be titled an encyclopedia. The Encyclopedia of Natural Resources does just that. The topics covered help readers face current and future issues in the maintenance of clean air and water as well as the preservation of land resources and native biodiversity.

The Wild Life of Our Bodies - Dr. Rob Dunn 2011-06-21

"An extraordinary book.... With clarity and charm [Dunn] takes the reader into the overlap of medicine, ecology, and evolutionary biology to reveal an important domain of the human condition." -Edward O. Wilson, author of *Anthill* and *The Future of Life* Biologist Rob Dunn reveals the crucial influence that other species have upon our health, our well-being, and our world in *The WildLife of Our Bodies*-a fascinating tour through the hidden truths of nature and codependence. Dunn illuminates the nuanced, often imperceptible relationships that exist between homo sapiens and other species, relationships that underpin humanity's ability to thrive and prosper in every circumstance. Readers of Michael Pollan's *The Omnivore's Dilemma* will be enthralled by Dunn's powerful, lucid exploration of the role that humankind plays within the greater web of life on Earth.

The Hidden Half of Nature: The Microbial Roots of Life and Health - David R. Montgomery 2015-11-16

"Sure to become a game-changing guide to the future of good food and healthy landscapes." -Dan Barber, chef and author of *The Third Plate* Prepare to set aside what you think you know about yourself and microbes.

The Hidden Half of Nature reveals why good health—for people and for plants—depends on Earth's smallest creatures. Restoring life to their barren yard and recovering from a health crisis, David R. Montgomery and Anne Biklé discover astounding parallels between the botanical world and our own bodies. From garden to gut, they show why cultivating beneficial microbiomes holds the key to transforming agriculture and medicine.

Animal Behavior - Michael D. Breed
2022-01-12

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

Never Home Alone - Rob Dunn
2018-11-06

A natural history of the wilderness in our homes, from the microbes in our showers to the crickets in our basements. Even when the floors are sparkling clean and the house seems silent, our domestic domain is wild beyond imagination. In Never Home

Alone, biologist Rob Dunn introduces us to the nearly 200,000 species living with us in our own homes, from the Egyptian meal moths in our cupboards and camel crickets in our basements to the lactobacillus lounging on our kitchen counters. You are not alone. Yet, as we obsess over sterilizing our homes and separating our spaces from nature, we are unwittingly cultivating an entirely new playground for evolution. These changes are reshaping the organisms that live with us -- prompting some to become more dangerous, while undermining those species that benefit our bodies or help us keep more threatening organisms at bay. No one who reads this engrossing, revelatory book will look at their homes in the same way again.

Parasitic Diseases of Wild Birds -

Carter T. Atkinson 2009-03-20

Parasitic Diseases of Wild Birds provides thorough coverage of major parasite groups affecting wild bird species. Broken into four sections covering protozoa, helminths, leeches, and arthropod parasites, this volume provides reviews of the history, disease, epizootiology, pathology, and population impacts caused by parasitic disease. Taking a unique approach that focuses on the effects of the parasites on the host, Parasitic Diseases of Wild Birds fills a unique niche in animal health literature.

Transitioning - EJ Gonzalez-Polledo
2017-05-09

This book is an anthropological analysis of female-to-male gender transition in the UK. The book counters assumptions around identity, the body and gender to explore transitioning as an open-ended process that often defies political and social conventions. It will be relevant to students and scholars interested in gender and subjectivity, biomedicine, the body, sexuality, social theory, transgender studies and queer theory.

Microbes - Phillip K. Peterson

2020-08-30

This is the only book that tells both sides of the story of germs: that they are critically important for our health and that the dangers of

emerging pathogens continue to wreak havoc in our bodies and around the world. With straight-forward and engaging writing, infectious diseases physician Phillip Peterson surveys how our understanding of viruses has changed throughout history, from early plagues and pandemics to more recent outbreaks like HIV/AIDS, Ebola, Zika, and Coronavirus. *Microbes* also takes on contemporary issues like the importance of vaccinations in the face of the growing anti-vaxxer movement, as well as the rise of cutting-edge health treatments like fecal transplants. Peterson relays his first-hand experience dealing with an unprecedented emergence of new microbial threats. Yet at the same time he has witnessed the astounding recent discoveries of the crucial role of the microbes that colonize our body surfaces in human health. *Microbes* explains for general readers where these germs came from, what they do to and for us, and what can be done to stop the bad actors and foster the benefactors.

Life in the Market Ecosystem - Stuart K. Hayashi 2014-11-13

Life in the Market Ecosystem, the second book in the *Nature of Liberty* trilogy, confronts evolutionary psychology head on. It describes the evolutionary psychologists' theory of gene-culture co-evolution, which states that although customs and culture are not predetermined by anyone's genetic makeup, one's practice of a custom can influence the likelihood of that person having children and grandchildren. Therefore, according to the theory, customs count as evolutionary adaptations. Extending that theory further, as entire systems of political economy—capitalism, socialism, and hunter-gatherer subsistence—consist of multiple customs and institutions, it follows that an entire political-economic system can likewise be classified as an evolutionary adaptation. Considering that liberal-republican capitalism has, insofar as the system has been implemented, done more to reduce the mortality rate and secure human fertility than other models of

societal structure, it stands to reason that liberal-republican capitalism is itself a beneficent evolutionary adaptation. Moreover, as essential tenets of Rand's Objectivism—individualism, observation-based rationality, and peaceable self-interest—have been integral to the development of the capitalist ecosystem, important aspects of the Objectivism are worthwhile adaptations as well. This book shall uphold that position, as well as combat critiques by evolutionary psychologists and environmentalists who denounce capitalism as self-destructive. Instead, capitalism is the most sustainable and fairest political model. This book argues that of all the philosophies, Objectivism is the one that is most fit for humanity.

Anthropology of Infectious Disease - Merrill Singer 2016-07-01

This book synthesizes the flourishing field of anthropology of infectious disease in a critical, biocultural framework. Leading medical anthropologist Merrill Singer holistically unites the behaviors of microorganisms and the activities of complex social systems, showing how we exist with pathogenic agents of disease in a complex process of co-evolution. He also connects human diseases to larger ecosystems and various other species that are future sources of new human infections. *Anthropology of Infectious Disease* integrates and advances research in this growing, multifaceted area and offers an ideal supplement to courses in anthropology, public health, development studies, and related fields.

This Phenomenal Life - Misha Blaise 2017-03-01

Entertaining, colorful, and deceptively full of facts, *This Phenomenal Life* tells the story of the wondrous ways that humans are always completely at one with our surrounding world. From the vast galaxies above to the miniature microbes within, humans are organically connected to the complex cycles and mysterious processes of our universe. Every single atom of our body is made of remnants of stars

and massive explosions in the galaxies, and we share the same biochemical basis of life with all living beings on earth, from a single-celled amoeba to a giant blue whale. Whimsically hip illustrations elucidate wild science-based facts, from the unexpected intimacy we have with fungi on a daily basis, to the similar ways that humans and birds learn to communicate. Powerful evidence of our interconnection with nature combined with beautiful artwork will inspire the reader to look at the world in a whole new way.

Stalking Wild Psoas - Liz Koch
2019-05-07

Weaving together biology, living systems thinking, and somatic movement, these nine short essays will inspire somatic therapists, bodyworkers, and movement educators Liz Koch, author of *Core Awareness* and *The Psoas Book*, seeks to dissolve the objectification of "body" in order to reconceptualize human beings as biologically intelligent, self-organizing, and self-healing. Specifically addressing educators and therapists, she delves into the conceptual framework of core by decolonizing the popular mechanistic thinking of psoas as muscle, inviting the reader on a journey toward reengaging with life's creative processes. The book illuminates the limitations of the predominant paradigm of body and actively explores psoas as a vital, intelligent messenger that links us to an expansive network of profound possibilities. Employing biomorphic and embryonic paradigms, Koch redefines psoas as smart, expressive tissue that is both elemental and universal. Named after her popular exploratory workshops of the same name, *Stalking Wild Psoas* encourages all readers to nourish integrity and claim self-efficacy as creative and expressive individuals.

Future Humans - Scott Solomon
2016-01-01

"Evolutionary biologist Scott Solomon draws on the explosion of discoveries in recent years to examine the future evolution of our species. Combining knowledge of our past with current trends, Solomon offers convincing

evidence that evolutionary forces still affect us today. But how will modernization--including longer lifespans, changing diets, global travel, and widespread use of medicine and contraceptives--affect our evolutionary future?" --publisher description.

The Impact of Education - Stephen Pickard
2022-07-29

This book investigates the impact of education on the formation of character, moral education, and the communication of values in late modern pluralistic societies. Scholars from four continents and many different academic fields are involved. While the basic framework for the contributions is informed by Christian traditions, the disciplines cover a significant range, including theology, education, psychology, literature, anthropology, law, and business. This makes for a rich variety of thematic concentrations and perspectives. Readers will quickly sense that the educational foundations and trajectories of any given country are pervasive and have a significant reach into the fabric and shape of the society and its values, making education a barometer of the well-being of a people and their culture. The result is a volume that will inform, stimulate, and challenge our understanding of the role of education in contemporary societies.

Political Animals and Animal Politics
- Marcel Wissenburg
2018-02-17

While much has been written on environmental politics on the one hand, and animal ethics and welfare on the other, animal politics is underexamined. There are key political implications in the increase of animal protection laws, the rights of nature, and political parties dedicated to animals.

Body Matters - Luci Attala
2019-05-01

Body Matters approaches the material world directly; it seeks to remind people that they are the matter of their bodies. This volume offers an assortment of contributions from anthropology, archaeology and medieval studies, with case studies from northern Europe, the Near East, East Africa and Amazonia, which

variously draw attention to the multiple shifting materials that comprise, impact upon and co-create human bodies. This lively collection foregrounds myriad material influences interacting with and shaping the human body; the chapters come together to illustrate the fundamental fleshy, bony, suppurating, leaky and oozing physicality of being human. Ultimately, by reminding readers of their indisputable materiality, *Body Matters* seeks to draw people and the rest of the material world together to illustrate that bodies not only seep into (and are part of) the landscape, but equally that people and the material world are inextricably co-constitutive.

Microbia - Eugenia Bone 2018-04-03
From Eugenia Bone, the critically acclaimed author of *Mycophilia*, comes an approachable, highly personal look at our complex relationship with the microbial world. While researching her book about mushrooms, Eugenia Bone became fascinated with microbes—those life forms that are too small to see without a microscope. Specifically, she wanted to understand the microbes that lived inside other organisms like plants and people. But as she began reading books, scholarly articles, blogs, and even attending an online course in an attempt to grasp the microbiology, she quickly realized she couldn't do it alone. That's why she enrolled at Columbia University to study Ecology, Evolution, and Environmental Biology. Her stories about being a middle-aged mom embedded in undergrad college life are spot-on and hilarious. But more profoundly, when Bone went back to school she learned that biology is a vast conspiracy of microbes. Microbes invented living and as a result they are part of every aspect of every living thing. This popular science book takes the layman on a broad survey of the role of microbes in nature and illustrates their importance to the existence of everything: atmosphere, soil, plants, and us.

Encyclopedia of Natural Resources - Land - Volume I - Yeqiao Wang
2014-07-23

With unprecedented attention on global change, the current debate revolves around the availability and sustainability of natural resources and how to achieve equilibrium between what society demands from natural environments and what the natural resource base can provide. A full understanding of the range of issues, from the consequences of the changing resource bases to the degradation of ecological integrity and the sustainability of life, is crucial to the process of developing solutions to this complex challenge. Authored by world-class scientists and scholars, *The Encyclopedia of Natural Resources* provides an authoritative reference on a broad spectrum of topics such as the forcing factors and habitats of life; their histories, current status, and future trends; and their societal connections, economic values, and management. The content presents state-of-the-art science and technology development and perspectives of resource management. Written and designed with a broad audience in mind, the entries clearly elucidate the issues for readers at all levels without sacrificing the scientific rigor required by professionals in the field. Volume I - Land includes 98 entries that cover the topical areas of renewable and nonrenewable natural resources such as forest and vegetative; soil; terrestrial coastal and inland wetlands; landscape structure and function and change; biological diversity; ecosystem services, protected areas, and management; natural resource economics; and resource security and sustainability. Natural resources represent such a broad scope of complex and challenging topics that a reference book must cover a vast number of subjects in order to be titled an encyclopedia. *The Encyclopedia of Natural Resources* does just that. The topics covered help you face current and future issues in the maintenance of clean air and water as well as the preservation of land resources and native biodiversity. Also Available Online This Taylor & Francis encyclopedia is also available

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Parasites - Jennifer Viegas
2016-07-15

Though not thought about as much as viruses or bacteria, parasites are behind much sickness and suffering in both animals and humans all over the world. Parasites range from microscopic protozoans to insects like ticks and lice and intestinal worms. What they all have in common is that their survival comes at the expense of other living things. This book gives readers a solid introduction to these unpleasant but fascinating organisms, describes how they lead to illness, and discusses preventative measures and cures.