

The Ant And The Peacock Altruism And Sexual Selection From Darwin To Today

What Richard Dawkins Reads: Jerry Coyne, Helena Cronin and More - The Daily Beast

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The Evolution of Anisogamy - Tatsuya Togashi 2011-04-14 Darwin identified the existence of separate male and female gametes as one of the central mysteries of evolutionary biology. 150 years later, the question of why male gametes exist remains an intriguing puzzle. In this, the first book solely devoted to the evolution of anisogamy, top theorists in the field explore why gamete dimorphism characterizes nearly all plants and animals. Did separate male and female gametes evolve as a result of competition, or does anisogamy instead represent selection for

cooperation? If disruptive selection drove the evolution of anisogamy, with male gametes focused on search and fusion, and female gametes provisioning the new zygote, why do some algal species continue to produce gametes of a single size? Does sperm limitation, or escape from infection, better explain the need for extremely small, highly mobile sperm? Written by leaders in the field, this volume offers an authoritative and cutting-edge overview of evolutionary theory.

Darwin and Theories of Aesthetics and Cultural

Darwin and Theories of Aesthetics and Cultural History is a significant contribution to the fields of theory, Darwin studies, and cultural history. This collection of eight essays is the first volume to address, from the point of view of art and literary historians, Darwin's intersections with aesthetic theories and cultural histories from the eighteenth century to the present day. Among the philosophers of art influenced by Darwinian evolution and considered in this collection are Alois Riegl, Ruskin, and Aby Warburg. This stimulating collection ranges in content from essays on the influence of eighteenth-century aesthetic theory on Darwin and nineteenth-century debates circulating around beauty to the study of evolutionary models in contemporary art.

A 150 years' celebration of darwin's book on human evolution and sexual selection: Its legacy and future prospects - Marco Antonio Correa Varella

From Animals to Animats 2 - Jean-Arcady Meyer 1993
More than sixty contributions in From Animals to Animats 2 by researchers in ethology, ecology, cybernetics, artificial intelligence, robotics, and related fields investigate behaviors and the underlying mechanisms that allow animals and, potentially, robots to adapt and survive in uncertain environments. Jean-Arcady Meyer is Director of Research, CNRS, Paris. Herbert L. Roitblat is Professor of Psychology at the University of Hawaii at Manoa. Stewart W. Wilson is a scientist at The Rowland Institute for Science, Cambridge, Massachusetts.

Topics covered: The Animat Approach to Adaptive Behavior, Perception and Motor Control, Action Selection and Behavioral Sequences, Cognitive Maps and Internal World Models, Learning, Evolution, Collective Behavior.

Animal Communication Theory
- Ulrich E. Stegmann

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2013-05-02

The explanation of animal communication by means of concepts like information, meaning and reference is one of the central foundational issues in animal behaviour studies. This book explores these issues, revolving around questions such as: • What is the nature of information? • What theoretical roles does information play in animal communication studies? • Is it justified to employ these concepts in order to explain animal communication? • What is the relation between animal signals and human language? The book approaches the topic from a variety of disciplinary perspectives, including ethology, animal cognition, theoretical biology and evolutionary biology, as well as philosophy of biology and mind. A comprehensive introduction familiarises non-specialists with the field and leads on to chapters ranging from philosophical and theoretical analyses to case studies involving primates, birds and insects. The resulting survey of

new and established concepts and methodologies will guide future empirical and theoretical research.

The Heart of Altruism - Kristen Renwick Monroe 1998-07-01

Is all human behavior based on self-interest? Many social and biological theories would argue so, but such a perspective does not explain the many truly heroic acts committed by people willing to risk their lives to help others. In The Heart of Altruism, Kristen Renwick Monroe boldly lays the groundwork for a social theory receptive to altruism by examining the experiences described by altruists themselves: from Otto, a German businessman who rescued over a hundred Jews in Nazi Germany, to Lucille, a newspaper poetry editor, who, armed with her cane, saved a young girl who was being raped. Monroe's honest and moving interviews with these little-known heroes enable her to explore the causes of altruism and the differences between altruists and other people. By delineating an

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overarching perspective of humanity shared by altruists, Monroe demonstrates how social theories may begin to account for altruism and debunks the notions of scientific inevitability that stem from an overemphasis on self-interest. As Monroe has discovered, the financial and religious backgrounds of altruists vary greatly--as do their views on issues such as welfare, civil rights, and morality. Altruists do, however, share a certain way of looking at the world: where the rest of us see a stranger, altruists see a fellow human being. It is this perspective that many social theories overlook. Monroe restores altruism to a general theory of ethical political behavior. She argues that to understand what makes one person act out of concern for others and not the self, we need to ask how that individual's perspective sets the range of options he or she finds available.

Science and Religion in Dialogue - Melville Y. Stewart
2009-12-01

This two-volume collection of cutting edge thinking

about science and religion shows how scientific and religious practices of inquiry can be viewed as logically compatible, complementary, and mutually supportive. Features submissions by world-leading scientists and philosophers. Discusses a wide range of hotly debated issues, including Big Bang cosmology, evolution, intelligent design, dinosaurs and creation, general and special theories of relativity, dark energy, the Multiverse Hypothesis, and Super String Theory. Includes articles on stem cell research and Bioethics by William Hurlbut, who served on President Bush's Bioethics Committee.

Evolutionary Psychology - Lance Workman 2021-05-20

A classic introduction to the fascinating science of evolutionary psychology, now in full colour and including the latest research updates.

Handbook of Psychology, Biological Psychology - Michela Gallagher 2003-03-11

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Includes established theories and cutting-edge developments. Presents the work of an international group of experts. Presents the nature, origin, implications, an future course of major unresolved issues in the area.

Evolution and "the Sex Problem" - Bert Bender 2004

A noteworthy investigation of the Darwinian element in American fiction from the realist through the Freudian eras. theories of sexual selection and of the emotions are essential elements in American fiction from the late 1800s through the 1950s, particularly during the Freudian era and the years surrounding the Scopes trial. the Sex Problem, and what resulted was a great diversity of American narratives aligned with either Darwinian or a number of anti-Darwinian theories of evolution. Included are intriguing discussions of works by Frank Norris, Jack London, Stephen Crane, Theodore Dreiser, Gertrude Stein, Willa Cather, Sherwood Anderson, F. Scott Fitzgerald,

five writers of the Harlem Renaissance, John Steinbeck, and Ernest Hemingway. Among the ideas explored are Darwin's theory of common descent; the question of man's place in nature; the possibility of evolutionary progress; the issues of heredity and eugenics; the Darwinian basis of Freud's theory of sexual repression; the quandary of male violence and the role of female choice in sexual selection; the power of and the problems of racial and sexual selection; the power of and the problems of racial and sexual difference; and the ecological problems that arose directly from Darwin's theory of evolution. America's major narratives of human life and love and will be appreciated by literary scholars and readers interested in Darwinism and culture.

Evolution, Culture, and the Human Mind - Mark Schaller 2011-03-17

Evolution, Culture, and the Human Mind is the first scholarly book to integrate evolutionary and cultural

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perspectives on human psychology. The contributors include world-renowned evolutionary, cultural, social, and cognitive psychologists. These chapt.

A Most Interesting Problem -
Jeremy DeSilva 2022-11-29

Leading scholars take stock of Darwin's ideas about human evolution in the light of modern science In 1871, Charles Darwin published *The Descent of Man*, a companion to *Origin of Species* in which he attempted to explain human evolution, a topic he called "the highest and most interesting problem for the naturalist." *A Most Interesting Problem* brings together twelve world-class scholars and science communicators to investigate what Darwin got right—and what he got wrong—about the origin, history, and biological variation of humans. Edited by Jeremy DeSilva and with an introduction by acclaimed Darwin biographer Janet Browne, *A Most Interesting Problem* draws on the latest discoveries in fields such as genetics, paleontology,

bioarchaeology, anthropology, and primatology. This

compelling and accessible book tackles the very subjects Darwin explores in *Descent*, including the evidence for human evolution, our place in the family tree, the origins of civilization, human races, and sex differences. *A Most Interesting Problem* is a testament to how scientific ideas are tested and how evidence helps to structure our narratives about human origins, showing how some of Darwin's ideas have withstood more than a century of scrutiny while others have not. *A Most Interesting Problem* features contributions by Janet Browne, Jeremy DeSilva, Holly Dunsworth, Agustín Fuentes, Ann Gibbons, Yohannes Haile-Selassie, Brian Hare, John Hawks, Suzana Herculano-Houzel, Kristina Killgrove, Alice Roberts, and Michael J. Ryan.

The Ant and the Peacock -
Helena Cronin 1993-09-24

This book is a success story. It explains two long-running puzzles of the theory of natural

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selection. How can natural selection favour those, like the ant, that renounce tooth and claw in favour of the public-spirited ways of the commune? How can it explain the peacock's tail, flamboyant and a burden to its bearer; surely selection would act against useless ornamentation? Helena Cronin's enthralling account blends history, science and philosophy in a gripping tale that is scholarly, entertaining and eminently readable. The hardback edition was selected by Nature as one of the best scientific books in 1992. Also the New York Times chose it as one of their best books of 1992. The author divides her time between the Philosophy Department at the London School of Economics and the Zoology Department at Oxford.

Evolution, Games, and God - Martin A. Nowak 2013-05-07

Evolution, Games, and God explores how cooperation and altruism, alongside mutation and natural selection, play a critical role in evolution, from microbes to human societies. Inheriting a tendency to

cooperate and self-sacrifice on behalf of others may be as

beneficial to a population's survival as the self-preserving instincts of individuals.

The Art of Evolution - Barbara Jean Larson 2009

A timely and stimulating collection of essays about the impact of Darwin's ideas on visual culture

Noise Matters - R. Haven Wiley 2015-06-09

We think of noise as background sound that interferes with our ability to hear more interesting sounds. But noise is anything that interferes with the reception of signals of any sort. Whatever its cause, the consequence of noise is error by receivers, and these errors are the key to understanding how noise shapes the evolution of communication.

Looking for a Few Good Males - Erika L. Milam 2010-01-29

Approaching the topic from both biological and animal-studies perspectives, Milam not only presents a broad history of sexual selection -- from Darwin to sociobiology -- but also

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analyzes the animal-human continuum from the perspectives of sex, evolution, and behavior. She asks how social and cultural assumptions influence human-animal research and wonders about the implications of gender on scientific outcomes.

Illuminating Human Evolution: 150 Years after Darwin - Jaume Bertranpetit 2022-10-06

This book presents a series of perspectives showing the current knowledge about human evolution. On the occasion of the 150th anniversary of Darwin's book, *The Descent of Man, and Selection in Relation to Sex*, in which he explicitly addresses the natural origin of the human species, this collective work reviews current and diverse aspects of human evolution: from psychology, linguistics, genomics, paleontology, artistic expression or sexual selection. It also offers a historical, social and ideological context of what is often considered to be Darwin's second great work after *The*

Origin of Species. Although current research is concentrated largely on fossils and genomes, this book also deals with the main points Darwin centered his attention on; comparative morphology and psychology, and sexual selection. It also covers other new aspects, such as the origin of art, social structure and social learning. With contributions from leading experts in their respective fields, the book guides readers to the study of the social context of Darwin and his time, and the state of the art of studies on human evolution and sexual selection, considering all aspects that Darwin examined, including those that emerged later and now are important disciplines in our understanding of our own evolution. The English translation of parts of this book from its Spanish original manuscript was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of

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content.

~~*Sexual Knowledge, Sexual*~~
Science - Roy Porter 1994-09

This volume is about those who have investigated sex from antiquity to the present day.

The Female Turn - Malin Ah-King 2023-01-04

This book traces the history of how evolutionary biology transformed its understanding of females from being coy, reserved and sexually passive, to having active sexual strategies and often mating with multiple males. Why did it take so long to discover female active sexual strategies? What prevented some researchers from engaging in sexually active females, and what prompted others to develop this new knowledge? *The Female Turn* provides a global overview of shifting perceptions about females in sexual selection research on a wide range of animals, from invertebrates to primates.

Evolutionary biologist and ~~Today~~
feminist science scholar Malin

Ah-King explores this history from a unique interdisciplinary vantage point. Based on extensive knowledge of the scientific literature on sexual selection and in-depth interviews with leading researchers, pioneers and feminist scientists in the field, her analysis engages with key theoretical approaches in gender studies of science. Analyzing the researchers' scientific interests, theoretical frameworks, specific study animals, technological innovations, methodologies and sometimes feminist insights, reveals how these have shaped conclusions drawn about sex. Thereby, *The Female Turn* shows how certain researchers gained knowledge about active females whereas others missed, ignored or delayed it - that is, how ignorance was produced.

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