

Current Perspectives On Sexual Selection Whats Left After Darwin History Philosophy And Theory Of The Life Sciences

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Evidence Contestation - Karin Zachmann 2023-02-21

This book examines the practices of contesting evidence in democratically constituted knowledge societies. It provides a multifaceted view of the processes and conditions of evidence criticism and how they determine the dynamics of de- and re-stabilization of evidence. Evidence is an essential resource for establishing claims of validity, resolving conflicts, and legitimizing decisions. In recent times, however, evidence is being contested with increasing frequency. Such contestations vary in form and severity – from questioning the interpretation of data or the methodological soundness of studies to accusations of evidence fabrication. The contributors to this volume explore which actors, for what reasons and to what effect, question evidence in fields such as the biological, environmental and health sciences. In addition to actors inside academia, they examine the roles of various other players, including citizen scientists, counter-experts, journalists, patients, consumers and activists. The contributors tackle questions of how disagreements are framed and how they are used to promote vested interests. By drawing on methodological and theoretical approaches from a wide range of fields, this book provides a much-needed perspective on how evidence criticism influences the development and state of knowledge societies and their political condition. Evidence Contestation will appeal to scholars and advanced students working in philosophy of science, epistemology, bioethics, science and technology studies, the history of science and technology and science communication.

The Evolution of Human Sexuality - Donald Symons 1979-08-30

Anthropology, Sexual Studies, Psychology, Sociology, Gender and Cultural Studies

Challenging Popular Myths of Sex, Gender and Biology - Malin Ah-King 2013-11-27

This edited volume challenges popular notions of sex, gender and biology and features international, trans-disciplinary research. The book begins with an exploration of supposedly ‘natural’ sexual differences, then looks at research in evolutionary biology and examines topics such as gender stereotypes in humans. The first chapters explore important questions: What are the fundamental sex differences? How do genes and hormones influence an individual’s sex? Subsequent chapters concern topics including: sex stereotypes in the field of sexual conflict, how the focus on genes in evolutionary biology disregards other means of inheritance, and the development of Darwin’s theory of sex differences. The last three chapters look at humans, discussing: an interdisciplinary approach to the evolution of sex differences in body height, biological versus social constructive perspectives on the gendering of voices and nature-culture arguments in the current political debate on paternity leave in Norway.

Strengthening Forensic Science in the United States - National Research Council 2009-07-29

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

On Purpose - Michael Ruse 2019-11-26

“A brief, accessible history of the idea of purpose in Western thought, from ancient Greece to the present. Can we live without the idea of purpose? Should we even try to? Kant thought we were stuck with purpose, and even Darwin’s

theory of natural selection, which profoundly shook the idea, was unable to kill it. Indeed, teleological explanation-- what Aristotle called understanding in terms of “final causes”--seems to be making a comeback today, as both religious proponents of intelligent design and some prominent secular philosophers argue that any explanation of life without the idea of purpose is missing something essential. In *On Purpose*, Michael Ruse explores the history of the idea of purpose in philosophical, religious, scientific, and historical thought, from ancient Greece to the present. Accessibly written and filled with literary and other examples, the book examines “purpose” thinking in the natural and human world. It shows how three ideas about purpose have been at the heart of Western thought for more than two thousand years. In the Platonic view, purpose results from the planning of a human or divine being; in the Aristotelian, purpose stems from a tendency or principle of order in the natural world; and in the Kantian, purpose is essentially heuristic, or something to be discovered, an idea given substance by Darwin’s theory of evolution through natural selection. *On Purpose* traces the profound and fascinating implications of these ways of thinking about purpose.”--

Classic French Noir - Deborah Walker-Morrison 2018-10-18

French film noir has long been seen as a phenomenon distinct from its Hollywood counterpart. This book - an innovative departure from conventional noir scholarship - now adopts a biocultural approach to exploring the French genre through the years 1941-1959. Chapters reveal noir as a product of the social and cultural factors at play in occupied, liberated and post-war France: marked by malaise at military defeat, Nazi collaboration and the impact of industrialisation. Furthermore, the book uncovers the evolutionary mechanisms of sexuality and reproduction beneath the national context that drive gendered behaviour on screen. During this period, for example, the emerging urgent demand for population growth, coupled with the severe shortage of eligible males, rendered the mating game particularly perilous for traditional women beginning to enter the workplace. This explains the cynical yet seductive behaviour of the femme fatale. Deborah Walker-Morrison focuses on the dangerous, often deadly, desires of an array of male and female character-types: moving past the celebrated, fatal ‘femme’ to tragic heroines, psychopathic narcissists, fatal ‘hommes’ and gangster anti-heroes. The book re-examines productions by directors such as Henri-Georges Clouzot, Jacques Becker and Jules Dassin and pulls together strands of sociological, biological, psychological and evolutionary science to create an illuminating study of the intense human passions underlying the cut-throat world of noir.

Sex and Gender - Hilary M. Lips 2020-04-10

Are sex and gender really two different things? How malleable is gender identity? Do both gender and sex have to be conceptualized as binaries—as having two distinct but complementary categories? Should we emphasize gender differences, or is that the wrong question? When should we call a gender difference “small”? Are women really “nonaggressive” or does that label stem from stereotyping? How does subtle or “modern” sexism work on its targets? Scholarship on these and other gender-related questions has exploded in recent years. Hilary Lips synthesizes that research for students in an accessible and readable way. Concepts on sex and gender are presented with the social context in which they were developed. As in previous editions, Lips takes a multicultural approach, discussing the gender experiences of people from a wide range of races, cultures, socioeconomic statuses, and gender and sexual identities. She emphasizes empirical research but takes a critical approach to that research.

Sexual Selection in Homo Sapiens - Menelaos Apostolou 2017-06-20

The present book aims to examine how sexual selection works in the human species. Almost all scholarly effort focuses on sexual selection in non-human species and extrapolates the findings to the human one. However, human mating has a unique pattern not found in any other species, namely parental influence over mate choice. Across preindustrial societies, the typical pattern of long-term mating is arranged marriage, where parents choose spouses for their children. By doing so, parents effectively become a sexual selection force. Traits that enhance an individual’s chance to be selected as a son- or a daughter-in-law confer important reproductive advantages to those who are endowed with them, increasing in frequency in the population. The author has coined the term parental choice to describe the sexual selection force that arises from parental control over mating. He synthesizes extensive theoretical and

EMPIRICAL WORK IN ORDER TO UNDERSTAND AND MODEL THIS FORCE. THE AIM IS TO UNDERSTAND WHICH FACTORS GIVE RISE TO PARENTAL CHOICE AND TO COMBINE THESE INSIGHTS INTO CONSTRUCTING A MORE FORMAL MODEL. IT ALSO AIMS TO FURTHER EXAMINE WHETHER THE PREDICTIONS OF THE MODEL FIT THE PATTERNS OF MATING FOUND ACROSS DIFFERENT TYPES OF HUMAN SOCIETIES, AND HOW THE MODEL CAN BE USED TO UNDERSTAND THE EVOLUTION OF BEHAVIORAL TRAITS INVOLVED IN MATING. BY SYNTHESIZING THE VARIOUS ARGUMENTS PUT FORWARD AND PUBLISHED ACROSS THE LITERATURE, THE BOOK OFFERS A COMPREHENSIVE ARGUMENT AND OVERVIEW OF AN ASPECT OF SEXUAL SELECTION UNIQUE TO OUR SPECIES. FURTHERMORE, THE BOOK REVISES AND EXTENDS PREVIOUSLY MADE ARGUMENTS AND MODELS, WHILE IT PROVIDES USEFUL INSIGHTS ON HOW THE PROPOSED REVISION OF SEXUAL SELECTION THEORY CAN ENABLE US TO UNDERSTAND A WIDE RANGE OF HUMAN BEHAVIORAL PHENOMENA. IT SHOULD BE KEY READING FOR THOSE INTERESTED IN STUDYING SEXUAL SELECTION IN GENERAL AND IN THE HOMO SAPIENS SPECIES IN PARTICULAR.

SEXUAL SELECTIONS - MARLENE ZUK 2002-06-04

A PROVOCATIVE TOUR OF RECENT FINDINGS IN ANIMAL SEXUALITY AND EVOLUTIONARY BIOLOGY SEEKS TO DEMONSTRATE HOW ANTHROPOMORPHISM AND GENDER POLITICS HAVE AFFECTED OUR KNOWLEDGE OF THE NATURAL WORLD AND SHOWS HOW A BROADER APPROACH, BASED ON FEMINIST BIOLOGY, CAN BRING ABOUT A MORE ROUNDED UNDERSTANDING.

A HISTORY OF PSYCHOLOGY - WILLIAM DOUGLAS WOODY 2017-03-27

A HISTORY OF PSYCHOLOGY: THE EMERGENCE OF SCIENCE AND APPLICATIONS, SIXTH EDITION, TRACES THE HISTORY OF PSYCHOLOGY FROM ANTIQUITY THROUGH THE EARLY 21ST CENTURY, GIVING STUDENTS A THOROUGH LOOK INTO PSYCHOLOGY'S ORIGINS AND KEY DEVELOPMENTS IN BASIC AND APPLIED PSYCHOLOGY. THIS NEW EDITION INCLUDES EXTENSIVE COVERAGE OF THE PROLIFERATION OF APPLIED FIELDS SINCE THE MID-TWENTIETH CENTURY AND STRONGER EMPHASES ON THE BIOLOGICAL BASIS OF PSYCHOLOGY, NEW STATISTICAL TECHNIQUES AND QUALITATIVE METHODOLOGIES, AND EMERGING THERAPIES. OTHER AREAS OF EMPHASIS INCLUDE THE GLOBALIZATION OF PSYCHOLOGY, THE GROWTH OF INTEREST IN HEALTH PSYCHOLOGY, THE RESURGENCE OF INTEREST IN MOTIVATION, AND THE IMPORTANCE OF ECOPSYCHOLOGY AND ENVIRONMENTAL PSYCHOLOGY. SUBSTANTIALLY REVISED AND UPDATED THROUGHOUT, THIS BOOK RETAINS AND IMPROVES ITS STRENGTHS FROM PRIOR EDITIONS, INCLUDING ITS STRONG SCHOLARLY FOUNDATION AND SCHOLARSHIP FROM GROUPS TOO OFTEN OMITTED FROM PSYCHOLOGICAL HISTORY, INCLUDING WOMEN, PEOPLE OF COLOR, AND SCHOLARS FROM OUTSIDE THE UNITED STATES. THIS BOOK ALSO AIMS TO ENGAGE AND INSPIRE STUDENTS TO RECOGNIZE THE POWER OF HISTORY IN THEIR OWN LIVES AND STUDIES, TO CONNECT HISTORY TO THE PRESENT AND THE FUTURE, AND TO THINK CRITICALLY AND HISTORICALLY. FOR ADDITIONAL RESOURCES, CONSULT THE COMPANION WEBSITE AT [WWW.ROUTLEDGE.COM/CW/WOODY](http://www.routledge.com/cw/woody) WHERE INSTRUCTORS WILL FIND LECTURE SLIDES AND OUTLINES; TESTBANKS; AND HOW-TO SOURCES FOR TEACHING HISTORY AND SYSTEMS OF PSYCHOLOGY COURSES; AND STUDENTS WILL FIND REVIEW A TIMELINE; REVIEW QUESTIONS; COMPLETE GLOSSARY; AND ANNOTATED LINKS TO RELEVANT RESOURCES.

SEX AT DAWN - CHRISTOPHER RYAN 2010-06-29

SINCE DARWIN'S DAY, WE'VE BEEN TOLD THAT SEXUAL MONOGAMY COMES NATURALLY TO OUR SPECIES. MAINSTREAM SCIENCE—AS WELL AS RELIGIOUS AND CULTURAL INSTITUTIONS—HAS MAINTAINED THAT MEN AND WOMEN EVOLVED IN FAMILIES IN WHICH A MAN'S POSSESSIONS AND PROTECTION WERE EXCHANGED FOR A WOMAN'S FERTILITY AND FIDELITY. BUT THIS NARRATIVE IS COLLAPSING. FEWER AND FEWER COUPLES ARE GETTING MARRIED, AND DIVORCE RATES KEEP CLIMBING AS ADULTERY AND FLAGGING LIBIDO DRAG DOWN EVEN SEEMINGLY SOLID MARRIAGES. HOW CAN REALITY BE RECONCILED WITH THE ACCEPTED NARRATIVE? IT CAN'T BE, ACCORDING TO RENEGADE THINKERS CHRISTOPHER RYAN AND CACILDA JETH. WHILE DEBUNKING ALMOST EVERYTHING WE "KNOW" ABOUT SEX, THEY OFFER A BOLD ALTERNATIVE EXPLANATION IN THIS PROVOCATIVE AND BRILLIANT BOOK. RYAN AND JETH'S CENTRAL CONTENTION IS THAT HUMAN BEINGS EVOLVED IN EGALITARIAN GROUPS THAT SHARED FOOD, CHILD CARE, AND, OFTEN, SEXUAL PARTNERS. WEAVING TOGETHER CONVERGENT, FREQUENTLY OVERLOOKED EVIDENCE FROM ANTHROPOLOGY, ARCHAEOLOGY, PRIMATOLOGY, ANATOMY, AND PSYCHOSEXUALITY, THE AUTHORS SHOW HOW FAR FROM HUMAN NATURE MONOGAMY REALLY IS. HUMAN BEINGS EVERYWHERE AND IN EVERY ERA HAVE CONFRONTED THE SAME FAMILIAR, INTIMATE SITUATIONS IN SURPRISINGLY DIFFERENT WAYS. THE AUTHORS EXPOSE THE ANCIENT ROOTS OF HUMAN SEXUALITY WHILE POINTING TOWARD A MORE OPTIMISTIC FUTURE ILLUMINATED BY OUR INNATE CAPACITIES FOR LOVE, COOPERATION, AND GENEROSITY. WITH INTELLIGENCE, HUMOR, AND WONDER, RYAN AND JETH SHOW HOW OUR PROMISCUOUS PAST HAUNTS OUR STRUGGLES OVER MONOGAMY, SEXUAL ORIENTATION, AND FAMILY DYNAMICS. THEY EXPLORE WHY LONG-TERM FIDELITY CAN BE SO DIFFICULT FOR SO MANY; WHY SEXUAL PASSION TENDS TO FADE EVEN AS LOVE DEEPENS; WHY MANY MIDDLE-AGED MEN RISK EVERYTHING FOR TRANSIENT AFFAIRS WITH YOUNGER WOMEN; WHY HOMOSEXUALITY PERSISTS IN THE FACE OF STANDARD EVOLUTIONARY LOGIC; AND WHAT THE HUMAN BODY REVEALS ABOUT THE PREHISTORIC ORIGINS OF MODERN SEXUALITY. IN THE TRADITION OF THE BEST HISTORICAL AND SCIENTIFIC WRITING, *SEX AT DAWN* UNAPOLOGETICALLY UPENDS UNWARRANTED ASSUMPTIONS AND UNFOUNDED CONCLUSIONS WHILE OFFERING A REVOLUTIONARY UNDERSTANDING OF WHY WE LIVE AND LOVE AS WE DO.

UNBECOMING HUMAN - CIMATTI FELICE CIMATTI 2020-03-02

THE ANIMALITY OF HUMAN BEINGS IS COMPLETELY UNKNOWN. BEING HUMAN MEANS TO BE SOMETHING OTHER THAN AN ANIMAL, TO NOT BE AN ANIMAL. FELICE CIMATTI, WITH REFERENCE TO THE WORK OF GILLES DELEUZE, EXPLORES WHAT HUMAN ANIMALITY LOOKS LIKE. HE SHOWS THAT BECOMING ANIMAL MEANS TO STOP THINKING OF HUMANITY AS THE REFERENCE POINT OF NATURE AND THE WORLD. IT MEANS THAT OUR VALUE AS HUMANS HAS THE VERY SAME VALUE AS A CLOUD, A ROCK OR A SPIDER. DRAWING ON A WIDE RANGE OF TEXTS - FROM PHILOSOPHICAL ETHOLOGY, TO CLASSICAL TEXTS, TO CONTINENTAL PHILOSOPHY AND LITERATURE - CIMATTI CREATES A DIALOGUE WITH FLAUBERT, DERRIDA, TEMPLE GRANDIN, HEIDEGGER AS WELL AS MALAPARTE AND LANDOLFI - AS PART OF THIS INTRIGUING DISCUSSION ABOUT OUR HUMANITY - AND OUR UNKNOWN ANIMALITY.

DARWINISM AS RELIGION - MICHAEL RUSE 2017

'DARWINISM AS RELIGION' ARGUES THAT THE THEORY OF EVOLUTION GIVEN BY CHARLES DARWIN IN THE 19TH-CENTURY HAS ALWAYS FUNCTIONED AS MUCH AS A SECULAR FORM OF RELIGION AS ANYTHING PURELY SCIENTIFIC. THROUGH THE WORDS OF NOVELISTS AND POETS, MICHAEL RUSE ARGUES THAT DARWIN TOOK US FROM THE SECURE WORLD OF CHRISTIAN FAITH INTO A DARKER, LESS FRIENDLY WORLD OF CHANCE AND LACK OF MEANING.

CEPHALOPOD RESEARCH ACROSS SCALES - MOLECULES TO ECOSYSTEMS, 2ND EDITION - ERICA A. G. VIDAL 2021-12-01
PUBLISHER'S NOTE: IN THIS 2ND EDITION, THE FOLLOWING ARTICLE HAS BEEN ADDED: VIDAL EAG, ROSA R AND FIORITO G (2021) EDITORIAL: CEPHALOPOD RESEARCH ACROSS SCALES - MOLECULES TO ECOSYSTEMS. FRONT. PHYSIOL. 12:752075. DOI: 10.3389/fphys.2021.752075

THE EVOLUTION OF INSECT MATING SYSTEMS - DAVID SHUKER 2014-07-31

INSECTS DISPLAY A STAGGERING DIVERSITY OF MATING AND SOCIAL BEHAVIOURS. STUDYING THESE SYSTEMS PROVIDES INSIGHTS INTO A WIDE RANGE OF EVOLUTIONARY AND BEHAVIOURAL QUESTIONS, SUCH AS THE EVOLUTION OF SEX, SEXUAL SELECTION, SEXUAL CONFLICT, AND PARENTAL CARE. THIS EDITED VOLUME PROVIDES AN AUTHORITATIVE UPDATE OF THE LANDMARK BOOK IN THE FIELD, *THE EVOLUTION OF INSECT MATING SYSTEMS* (THORNHILL AND ALCOCK, 1983), WHICH HAD SUCH A HUGE IMPACT IN SHAPING ADAPTATIONIST APPROACHES TO THE STUDY OF ANIMAL BEHAVIOUR AND INFLUENCING THE STUDY OF THE EVOLUTION OF REPRODUCTIVE BEHAVIOUR FAR BEYOND THE TAXONOMIC REMIT OF INSECTS. THIS ACCESSIBLE NEW VOLUME BRINGS THE EMPIRICAL AND CONCEPTUAL SCOPE OF THE ORIGINAL BOOK FULLY UP TO DATE, INCORPORATING THE WEALTH OF NEW KNOWLEDGE AND RESEARCH OF THE LAST 30 YEARS. IT EXPLORES THE EVOLUTION OF COMPLEX FORMS OF SEX DETERMINATION IN INSECTS, AND THE ROLE OF SEXUAL SELECTION IN SHAPING THE EVOLUTION OF MATING SYSTEMS. SELECTION ARISING VIA MALE CONTEST COMPETITION AND FEMALE CHOICE (BOTH BEFORE AND AFTER COPULATION) ARE DISCUSSED, AS ARE THE ROLES OF PARASITES AND PATHOGENS IN MEDIATING THE STRENGTH OF SEXUAL SELECTION, AND THE ROLE THAT PARENTAL CARE PLAYS IN SUCCESSFUL REPRODUCTION. *THE EVOLUTION OF INSECT MATING SYSTEMS* IS SUITABLE FOR BOTH GRADUATE STUDENTS AND RESEARCHERS INTERESTED IN INSECT MATING SYSTEMS OR BEHAVIOUR FROM AN EVOLUTIONARY, GENETICAL, PHYSIOLOGICAL, OR ECOLOGICAL PERSPECTIVE. DUE TO ITS INTERDISCIPLINARY AND CONCEPT-DRIVEN APPROACH, IT WILL ALSO BE OF RELEVANCE AND USE TO A BROAD AUDIENCE OF EVOLUTIONARY BIOLOGISTS.

EVOLUTION'S RAINBOW - JOAN ROUGHGARDEN 2013-09-14

IN THIS INNOVATIVE CELEBRATION OF DIVERSITY AND AFFIRMATION OF INDIVIDUALITY IN ANIMALS AND HUMANS, JOAN ROUGHGARDEN CHALLENGES ACCEPTED WISDOM ABOUT GENDER IDENTITY AND SEXUAL ORIENTATION. A DISTINGUISHED EVOLUTIONARY BIOLOGIST, ROUGHGARDEN TAKES ON THE MEDICAL ESTABLISHMENT, THE BIBLE, SOCIAL SCIENCE—AND EVEN DARWIN HIMSELF. SHE LEADS THE READER THROUGH A FASCINATING DISCUSSION OF DIVERSITY IN GENDER AND SEXUALITY AMONG FISH, REPTILES, AMPHIBIANS, BIRDS, AND MAMMALS, INCLUDING PRIMATES. *EVOLUTION'S RAINBOW* EXPLAINS HOW THIS DIVERSITY DEVELOPS FROM THE ACTION OF GENES AND HORMONES AND HOW PEOPLE COME TO DIFFER FROM EACH OTHER IN ALL ASPECTS OF BODY AND BEHAVIOR. ROUGHGARDEN RECONSTRUCTS PRIMARY SCIENCE IN LIGHT OF FEMINIST, GAY, AND TRANSGENDER CRITICISM AND REDEFINES OUR UNDERSTANDING OF SEX, GENDER, AND SEXUALITY. WITTY, PLAYFUL, AND DARING, THIS BOOK WILL REVOLUTIONIZE OUR UNDERSTANDING OF SEXUALITY. ROUGHGARDEN ARGUES THAT PRINCIPAL ELEMENTS OF DARWINIAN SEXUAL SELECTION THEORY ARE FALSE AND SUGGESTS A NEW THEORY THAT EMPHASIZES SOCIAL INCLUSION AND CONTROL OF ACCESS TO RESOURCES AND MATING OPPORTUNITY. SHE DISPUTES A RANGE OF SCIENTIFIC AND MEDICAL CONCEPTS, INCLUDING WILSON'S GENETIC DETERMINISM OF BEHAVIOR, EVOLUTIONARY PSYCHOLOGY, THE EXISTENCE OF A GAY GENE, THE ROLE OF PARENTING IN DETERMINING GENDER IDENTITY, AND DAWKINS'S "SELFISH GENE" AS THE DRIVER OF NATURAL SELECTION. SHE DARES SOCIAL SCIENCE TO RESPECT THE AGENCY AND RATIONALITY OF DIVERSE PEOPLE; SHOWS THAT MANY CULTURES ACROSS THE WORLD AND THROUGHOUT HISTORY ACCOMMODATE PEOPLE WE LABEL TODAY AS LESBIAN, GAY, AND TRANSGENDERED; AND CALLS ON THE CHRISTIAN RELIGION TO ACKNOWLEDGE THE BIBLE'S MANY PASSAGES ENDORSING DIVERSITY IN GENDER AND SEXUALITY. *EVOLUTION'S RAINBOW* CONCLUDES WITH BOLD RECOMMENDATIONS FOR IMPROVING EDUCATION IN BIOLOGY, PSYCHOLOGY, AND MEDICINE; FOR DEMOCRATIZING GENETIC ENGINEERING AND MEDICAL PRACTICE; AND FOR BUILDING A PUBLIC MONUMENT TO AFFIRM DIVERSITY AS ONE OF OUR NATION'S DEFINING PRINCIPLES.

THE MATING MIND - GEOFFREY MILLER 2011-12-21

AT ONCE A PIONEERING STUDY OF EVOLUTION AND AN ACCESSIBLE AND LIVELY READING EXPERIENCE, *THE MATING MIND* MARKS THE ARRIVAL OF A PRESIDENT AND PROVOCATIVE NEW SCIENCE WRITER. PSYCHOLOGIST GEOFFREY MILLER OFFERS THE MOST CONVINCING—AND RADICAL—EXPLANATION FOR HOW AND WHY THE HUMAN MIND EVOLVED. CONSCIOUSNESS, MORALITY, CREATIVITY, LANGUAGE, AND ART: THESE ARE THE TRAITS THAT MAKE US HUMAN. SCIENTISTS HAVE TRADITIONALLY EXPLAINED THESE QUALITIES AS MERELY A SIDE EFFECT OF SURPLUS BRAIN SIZE, BUT MILLER ARGUES THAT THEY WERE SEXUAL ATTRACTORS, NOT SIDE EFFECTS. HE BASES HIS ARGUMENT ON DARWIN'S THEORY OF SEXUAL SELECTION, WHICH UNTIL NOW HAS PLAYED SECOND FIDDLE TO DARWIN'S THEORY OF NATURAL SELECTION, AND DRAWS ON IDEAS AND RESEARCH FROM A WIDE RANGE OF FIELDS, INCLUDING PSYCHOLOGY, ECONOMICS, HISTORY, AND POP CULTURE. WITTY, POWERFULLY ARGUED, AND CONTINUALLY THOUGHT-PROVOKING, *THE MATING MIND* IS A LANDMARK IN OUR UNDERSTANDING OF OUR OWN SPECIES.

THE OXFORD HANDBOOK OF WOMEN AND COMPETITION - MARYANNE FISHER 2017

THE OXFORD HANDBOOK OF WOMEN AND COMPETITION IS ONE OF THE FIRST SCHOLARLY VOLUMES TO FOCUS SPECIFICALLY ON COMPETITION AND THE COMPETITIVE FORCES BETWEEN WOMEN. CHAPTERS PROVIDE READERS WITH A DEFINITIVE VIEW OF THE CURRENT STATE OF RESEARCH, AND COLLECTIVELY ADDRESS THE ADAPTIVE AND SOCIO-CULTURAL FOUNDATIONS OF WOMEN'S COMPETITIVE BEHAVIOR, MOTIVATIONS, AND COGNITIONS.

KNOWLEDGE OF LIFE TODAY - JEAN GAYON 2019-04-30

KNOWLEDGE OF LIFE TODAY PRESENTS THE THOUGHTS OF JEAN GAYON, A MAJOR PHILOSOPHER OF SCIENCE IN FRANCE WHO IS

RECOGNIZED ACROSS THE ATLANTIC, ESPECIALLY FOR HIS WORK IN PHILOSOPHY AND THE HISTORY OF LIFE SCIENCES. THE BOOK IS STRUCTURED AROUND GAYON'S PERSONAL ANSWERS TO QUESTIONS PUT FORWARD BY VICTOR PETIT. THIS APPROACH COMBINES SCIENTIFIC RIGOR AND RISK-TAKING IN ANSWERS THAT GO BACK TO THE FUNDAMENTALS OF THE SUBJECT. AS WELL AS THE RELATIONSHIP BETWEEN PHILOSOPHY AND THE HISTORY OF SCIENCE, GAYON DISCUSSES THE MAIN QUESTIONS OF THE HISTORY AND PHILOSOPHY OF BIOLOGY THAT MARKED HIS INTELLECTUAL JOURNEY: DARWIN, EVOLUTIONARY BIOLOGY, GENETICS AND MOLECULAR BIOLOGY, HUMAN EVOLUTION, AND VARIOUS ASPECTS OF THE RELATIONSHIP BETWEEN BIOLOGY AND SOCIETY IN CONTEMPORARY TIMES (RACISM, EUGENICS, BIOTECHNOLOGY, BIOMEDICINE, ETC.).

ENCYCLOPEDIA OF EVOLUTIONARY PSYCHOLOGICAL SCIENCE - TODD K. SHACKELFORD 2021-03-20

THIS COMPREHENSIVE, TWELVE VOLUME REFERENCE WORK REFLECTS THE INTERDISCIPLINARY INFLUENCES ON EVOLUTIONARY PSYCHOLOGY AND SERVES AS A MAJOR RESOURCE FOR ITS HISTORY, SCIENTIFIC CONTRIBUTORS AND THEORIES. IT DRAWS ON BIOLOGY, COGNITIVE SCIENCE, ANTHROPOLOGY, PSYCHOLOGY, ECONOMICS, COMPUTER SCIENCE AND PALEOARCHAEOLOGY TO PROVIDE A MULTIFACETED PICTURE OF BEHAVIORAL ADAPTATION IN HUMANS AND HOW IT ADDS TO OUR ACADEMIC AND CLINICAL UNDERSTANDING. EDITED BY A NOTED FIGURE IN EVOLUTIONARY PSYCHOLOGY, WITH MANY SEMINAL AND RENOWNED CONTRIBUTORS, THIS ENCYCLOPEDIA OFFERS THE FULL BREADTH OF AN AREA THAT IS THE FOREFRONT OF BEHAVIORAL THINKING AND INVESTIGATION.

DARWIN'S PSYCHOLOGY - BEN BRADLEY 2020-09-11

DARWIN HAS LONG BEEN HAILED AS FOREFATHER TO BEHAVIOURAL SCIENCE, ESPECIALLY NOWADAYS, WITH THE GROWING POPULARITY OF EVOLUTIONARY PSYCHOLOGIES. YET, UNTIL NOW, HIS CONTRIBUTION TO THE FIELD OF PSYCHOLOGY HAS BEEN SOMEWHAT UNDERSTATED. THIS IS THE FIRST BOOK EVER TO EXAMINE THE RICHES OF WHAT DARWIN HIMSELF WROTE ABOUT PSYCHOLOGICAL MATTERS. IT UNEARTHS A DARWIN NEW TO SCIENCE, WHOSE FIRST CONCERN IS THE AGENCY OF ORGANISMS-FROM WHICH HE DERIVES BOTH HIS PSYCHOLOGY, AND HIS THEORY OF EVOLUTION. A DEEP READING OF DARWIN'S WRITINGS ON CLIMBING PLANTS AND BABIES, BLUSHING AND BOWER-BIRDS, WORMS AND FACIAL MOVEMENTS, SHOWS THAT, FOR DARWIN, EVOLUTION DOES NOT EXPLAIN EVERYTHING ABOUT HUMAN ACTION. GROUP-LIFE AND CULTURE ARE ALSO KEYS, WHETHER WE DISCUSS THE DYNAMICS OF CONSCIENCE OR THE DRAMAS OF DESIRE. THUS HIS TREATMENT OF FACIAL ACTIONS SETS OUT FROM THE ANATOMY AND PHYSIOLOGY OF HUMAN FACIAL MOVEMENTS, AND SHOWS HOW THESE ARE RECOGNIZED BY OTHERS. A DISCUSSION OF BLUSHING EXTENDS HIS THEORY TO THE WAY READING OTHERS' EXPRESSIONS REBOUNDS ON OURSELVES-I CARE ABOUT HOW I THINK YOU READ ME. THIS DYNAMIC PROVES CENTRAL TO HOW DARWIN UNDERSTANDS SEXUAL DESIRE, THE PRODUCTION OF CONSCIENCE AND OF SOCIAL STANDARDS THROUGH GROUP DYNAMICS, AND THE ROLE OF CULTURE IN HUMAN AGENCY. PRESENTING A NEW DARWIN TO SCIENCE, AND SHOWING HOW WIDELY DARWIN'S UNDERSTANDING OF EVOLUTION AND AGENCY HAS BEEN MISUNDERSTOOD AND MISREPRESENTED IN THE BIOLOGY AND THE SOCIAL SCIENCES, THIS IMPORTANT NEW BOOK SHOWS A NEW WAY FORWARD FOR THOSE WHO WANT TO BASE PSYCHOLOGY ON THE FOUNDATION OF EVOLUTIONARY BIOLOGY

CURRENT PERSPECTIVES ON SEXUAL SELECTION - THIERRY HOQUET 2015-01-28

THIS ROOT-AND-BRANCH RE-EVALUATION OF DARWIN'S CONCEPT OF SEXUAL SELECTION TACKLES THE SUBJECT FROM HISTORICAL, EPISTEMOLOGICAL AND THEORETICAL PERSPECTIVES. CONTRIBUTIONS FROM A WEALTH OF DISCIPLINES HAVE BEEN MARSHALED FOR THIS VOLUME, WITH KEY FIGURES IN BEHAVIOURAL ECOLOGY, PHILOSOPHY, AND THE HISTORY OF SCIENCE ADDING TO ITS WIDE-RANGING RELEVANCE. UPDATING THE READER ON THE DEBATE CURRENTLY LIVE IN BEHAVIOURAL ECOLOGY ITSELF ON THE CENTRALITY OF SEXUAL SELECTION, AND WITH COVERAGE OF DEVELOPMENTS IN THE FIELD OF ANIMAL AESTHETICS, THE BOOK DETAILS THE CURRENT STATE OF PLAY, WHILE OTHER CHAPTERS TRACE THE HISTORY OF SEXUAL SELECTION FROM DARWIN TO TODAY AND INQUIRE INTO THE NEUROBIOLOGICAL BASES FOR PARTNER CHOICES AND THE COMPARISONS BETWEEN THE HEDONIC BRAIN IN HUMAN AND NON-HUMAN ANIMALS. WELCOME SPACE IS GIVEN TO THE SOCIAL ASPECTS OF SEXUAL SELECTION, PARTICULARLY WHERE DARWIN DREW DISTINCTIONS BETWEEN EAGER MALES AND COY FEMALES AND RATIONALIZED THIS AS EVOLUTIONARY STRATEGY. ALSO EXPLORED ARE THE CURRENT DEFINITION OF SEXUAL SELECTION (AS OPPOSED TO NATURAL SELECTION) AND ITS IMPORTANCE IN TODAY'S BIOLOGICAL RESEARCH, AND THE IMPENDING CRITIQUE OF THE THEORY FROM THE NASCENT FIELD OF ANIMAL AESTHETICS. AS A COMPREHENSIVE ASSESSMENT OF THE CURRENT HEALTH, OR OTHERWISE, OF DARWIN'S THEORY, 140 YEARS AFTER THE PUBLICATION OF HIS DESCENT OF MAN, THE BOOK OFFERS A UNIQUELY ROUNDED VIEW THAT ASKS WHETHER 'SEXUAL SELECTION' IS IN ITSELF A PROGRESSIVE OR REACTIONARY NOTION, EVEN AS IT EXPLORES ITS THEORETICAL RELEVANCE IN THE TECHNICAL BIOLOGICAL STUDY OF THE TWENTY-FIRST CENTURY.

BEHAVIOUR AND CONSERVATION - L. MORRIS GOSLING 2000-02-24

SHOWS HOW AN UNDERSTANDING OF BEHAVIOUR IS ESSENTIAL IN THE CONSERVATION OF ANIMALS.

DARWIN AND THE MAKING OF SEXUAL SELECTION - EVELLEEN RICHARDS 2017-04-27

SEXUAL SELECTION, OR THE STRUGGLE FOR MATES, WAS OF CONSIDERABLE STRATEGIC IMPORTANCE TO DARWIN'S THEORY OF EVOLUTION AS HE FIRST OUTLINED IT IN THE "ORIGIN OF SPECIES," AND LATER, IN THE "DESCENT OF MAN," IT TOOK ON A MUCH WIDER ROLE. THERE, DARWIN'S EXHAUSTIVE ELABORATION OF SEXUAL SELECTION THROUGHOUT THE ANIMAL KINGDOM WAS DIRECTED TO SUBSTANTIATING HIS VIEW THAT HUMAN RACIAL AND SEXUAL DIFFERENCES, NOT JUST PHYSICAL DIFFERENCES BUT CERTAIN MENTAL AND MORAL DIFFERENCES, HAD EVOLVED PRIMARILY THROUGH THE ACTION OF SEXUAL SELECTION. IT WAS THE CULMINATION OF A LIFETIME OF INTELLECTUAL EFFORT AND COMMITMENT. YET EVEN THOUGH HE ARGUED ITS VALIDITY WITH A GREAT ARRAY OF CRITICS, SEXUAL SELECTION WENT INTO ABEYANCE WITH DARWIN'S DEATH, NOT TO BE REVIVED UNTIL LATE IN THE TWENTIETH CENTURY, AND EVEN TODAY IT REMAINS A CONTROVERSIAL THEORY. IN UNFURLING THE HISTORY OF SEXUAL SELECTION, EVELLEEN RICHARDS BRINGS TO VIVID LIFE DARWIN THE MAN, NOT THE MYTH, AND THE SOCIAL AND INTELLECTUAL ROOTS OF HIS THEORY BUILDING."

THE DESCENT OF MAN, AND SELECTION IN RELATION TO SEX - CHARLES DARWIN 1878

ADAPTATION AND NATURAL SELECTION - GEORGE CHRISTOPHER WILLIAMS 2018-10-30

BIOLOGICAL EVOLUTION IS A FACT—BUT THE MANY CONFLICTING THEORIES OF EVOLUTION REMAIN CONTROVERSIAL EVEN TODAY. WHEN ADAPTATION AND NATURAL SELECTION WAS FIRST PUBLISHED IN 1966, IT STRUCK A POWERFUL BLOW AGAINST THOSE WHO ARGUED FOR THE CONCEPT OF GROUP SELECTION—THE IDEA THAT EVOLUTION ACTS TO SELECT ENTIRE SPECIES RATHER THAN INDIVIDUALS. WILLIAMS'S FAMOUS WORK IN FAVOR OF SIMPLE DARWINISM OVER GROUP SELECTION HAS BECOME A CLASSIC OF SCIENCE LITERATURE, VALUED FOR ITS THOROUGH AND CONVINCING ARGUMENT AND ITS RELEVANCE TO MANY FIELDS OUTSIDE OF BIOLOGY. NOW WITH A NEW FOREWORD BY RICHARD DAWKINS, ADAPTATION AND NATURAL SELECTION IS AN ESSENTIAL TEXT FOR UNDERSTANDING THE NATURE OF SCIENTIFIC DEBATE.

THE EVOLUTION OF BEAUTY - RICHARD O. PRUM 2017-05-09

A FINALIST FOR THE PULITZER PRIZE NAMED A BEST BOOK OF THE YEAR BY THE NEW YORK TIMES BOOK REVIEW, SMITHSONIAN, AND WALL STREET JOURNAL A MAJOR REIMAGINING OF HOW EVOLUTIONARY FORCES WORK, REVEALING HOW MATING PREFERENCES—WHAT DARWIN TERMED "THE TASTE FOR THE BEAUTIFUL"—CREATE THE EXTRAORDINARY RANGE OF ORNAMENT IN THE ANIMAL WORLD. IN THE GREAT HALLS OF SCIENCE, DOGMA HOLDS THAT DARWIN'S THEORY OF NATURAL SELECTION EXPLAINS EVERY BRANCH ON THE TREE OF LIFE: WHICH SPECIES THRIVE, WHICH WITHER AWAY TO EXTINCTION, AND WHAT FEATURES EACH EVOLVES. BUT CAN ADAPTATION BY NATURAL SELECTION REALLY ACCOUNT FOR EVERYTHING WE SEE IN NATURE? YALE UNIVERSITY ORNITHOLOGIST RICHARD PRUM—REVIVING DARWIN'S OWN VIEWS—THINKS NOT. DEEP IN TROPICAL JUNGLES AROUND THE WORLD ARE BIRDS WITH A DIZZYING ARRAY OF APPEARANCES AND MATING DISPLAYS: CLUB-WINGED MANAKINS WHO SING WITH THEIR WINGS, GREAT ARGUS PHEASANTS WHO DAZZLE PROSPECTIVE MATES WITH A FOUR-FOOT-WIDE CONE OF FEATHERS COVERED IN GOLDEN 3D SPHERES, RED-CAPPED MANAKINS WHO MOONWALK. IN THIRTY YEARS OF FIELDWORK, PRUM HAS SEEN NUMEROUS DISPLAY TRAITS THAT SEEM DISCONNECTED FROM, IF NOT OUTRIGHT CONTRARY TO, SELECTION FOR INDIVIDUAL SURVIVAL. TO EXPLAIN THIS, HE DUSTS OFF DARWIN'S LONG-NEGLECTED THEORY OF SEXUAL SELECTION IN WHICH THE ACT OF CHOOSING A MATE FOR PURELY AESTHETIC REASONS—FOR THE MERE PLEASURE OF IT—IS AN INDEPENDENT ENGINE OF EVOLUTIONARY CHANGE. MATE CHOICE CAN DRIVE ORNAMENTAL TRAITS FROM THE CONSTRAINTS OF ADAPTIVE EVOLUTION, ALLOWING THEM TO GROW EVER MORE ELABORATE. IT ALSO SETS THE STAKES FOR SEXUAL CONFLICT, IN WHICH THE SEXUAL AUTONOMY OF THE FEMALE EVOLVES IN RESPONSE TO MALE SEXUAL CONTROL. MOST CRUCIALLY, THIS FRAMEWORK PROVIDES IMPORTANT INSIGHTS INTO THE EVOLUTION OF HUMAN SEXUALITY, PARTICULARLY THE WAYS IN WHICH FEMALE PREFERENCES HAVE CHANGED MALE BODIES, AND EVEN MALENESS ITSELF, THROUGH EVOLUTIONARY TIME. THE EVOLUTION OF BEAUTY PRESENTS A UNIQUE SCIENTIFIC VISION FOR HOW NATURE'S SPLENDOR CONTRIBUTES TO A MORE COMPLETE UNDERSTANDING OF EVOLUTION AND OF OURSELVES.

THE CAMBRIDGE HANDBOOK OF EVOLUTIONARY PERSPECTIVES ON SEXUAL PSYCHOLOGY: VOLUME 3, FEMALE SEXUAL ADAPTATIONS - TODD K. SHACKELFORD 2022-07-21

THE INTERFACE OF SEXUAL BEHAVIOR AND EVOLUTIONARY PSYCHOLOGY IS A RAPIDLY GROWING DOMAIN, RICH IN PSYCHOLOGICAL THEORIES AND DATA AS WELL AS CONTROVERSIES AND APPLICATIONS. WITH NEARLY EIGHTY CHAPTERS BY LEADING RESEARCHERS FROM AROUND THE WORLD, AND COMBINING THEORETICAL AND EMPIRICAL PERSPECTIVES, THE CAMBRIDGE HANDBOOK OF EVOLUTIONARY PERSPECTIVES ON SEXUAL PSYCHOLOGY IS THE MOST COMPREHENSIVE AND UP-TO-DATE REFERENCE WORK IN THE FIELD. PROVIDING A BROAD YET IN-DEPTH OVERVIEW OF THE VARIOUS EVOLUTIONARY PRINCIPLES THAT INFLUENCE ALL TYPES OF SEXUAL BEHAVIORS, THE HANDBOOK TAKES AN INCLUSIVE APPROACH THAT DRAWS ON A NUMBER OF DISCIPLINES AND COVERS NONHUMAN AND HUMAN PSYCHOLOGY. IT IS AN ESSENTIAL RESOURCE FOR BOTH ESTABLISHED RESEARCHERS AND STUDENTS IN PSYCHOLOGY, BIOLOGY, ANTHROPOLOGY, MEDICINE, AND CRIMINOLOGY, AMONG OTHER FIELDS. VOLUME 3: FEMALE SEXUAL ADAPTATIONS ADDRESSES THEORY AND RESEARCH FOCUSED ON SEXUAL ADAPTATIONS IN HUMAN FEMALES.

THE EVOLUTION OF SEX - JOHN MAYNARD SMITH 1978-08-24

THE QUESTION OF WHY ORGANISMS REPRODUCE SEXUALLY IS STILL A MATTER OF CONTROVERSY. IN THIS ACCOUNT, PROFESSOR MAYNARD SMITH CONSIDERS THE SELECTIVE FORCES RESPONSIBLE FOR THE ORIGIN AND EVOLUTION OF SEXUAL REPRODUCTION AND GENETIC RECOMBINATION, USING QUANTITATIVE POPULATION GENETICS ARGUMENTS TO SUPPORT HIS IDEAS. THE RELATIVE IMPORTANCE OF INDIVIDUAL AND GROUP SELECTION PROCESSES ARE ALSO CONSIDERED. THE AIM IS TO GIVE A CLEAR STATEMENT OF THE THEORETICAL ISSUES, AND PRESENT ENOUGH OF THE EVIDENCE TO SHOW WHAT KINDS OF FACTS ARE RELEVANT. IT IS HOPED THAT WHERE CRUCIAL EVIDENCE IS MISSING, EXPERIMENTALISTS AND FIELD WORKERS MAY BE ENCOURAGED TO COLLECT THE RELEVANT DATA. THE AUTHOR DOES NOT CLAIM TO SOLVE ALL THE PROBLEMS HE RAISES, BUT THIS CLEAR AND WELL-ARGUED ACCOUNT SHOULD PROVIDE STIMULATING READING FOR ADVANCED UNDERGRADUATE STUDENTS AND RESEARCH WORKERS IN EVOLUTIONARY THEORY.

SEXUALLY AGGRESSIVE WOMEN - PETER B. ANDERSON 1998-06-22

WORKING FROM A RANGE OF THEORETICAL PERSPECTIVES, CONTRIBUTORS TO THIS TEXT CHALLENGE PREVAILING STEREOTYPES OF WOMEN AS PASSIVE OR RESISTANT PARTICIPANTS IN HETEROSEXUAL INTERACTION AND MEN AS INITIATORS OR AGGRESSORS. LIKE MEN, THE BOOK PROPOSES, MANY WOMEN ARE CLEARLY INTERESTED IN SEX AND SOME ARE SEXUALLY AGGRESSIVE. BRINGING ATTENTION TO ETHICAL, POLITICAL AND CONCEPTUAL QUESTIONS SURROUNDING THIS AREA OF INQUIRY, THE VOLUME OFFERS INSIGHTS THAT SEEK TO ENHANCE CLINICAL WORK AND SET DIRECTIONS FOR FUTURE RESEARCH. IT SHOULD BE OF INTEREST TO ALL SCHOLARS AND STUDENTS OF PSYCHOLOGY, SOCIOLOGY, HUMAN SEXUALITY, AND GENDER STUDIES AS WELL AS MENTAL HEALTH PROFESSIONALS IN A RANGE OF SETTINGS.

REVISITING THE ORIGIN OF SPECIES - THIERRY HOQUET 2018-08-06

CONTEMPORARY INTEREST IN DARWIN RISES FROM A GENERAL IDEAL OF WHAT DARWIN'S BOOKS OUGHT TO CONTAIN: A THEORY OF TRANSFORMATION OF SPECIES BY NATURAL SELECTION. HOWEVER, A READER OPENING DARWIN'S MASTERPIECE, ON THE ORIGIN OF

SPECIES, TODAY MAY BE STRUCK BY THE FACT THAT THIS “SELECTIONIST” VIEW DOES NOT DELIVER THE KEY TO MANY ASPECTS OF THE BOOK. WITHOUT CONTESTING THE IMPORTANCE OF NATURAL SELECTION TO DARWINISM, MUCH LESS SUPPOSING THAT A FULLY-FORMED “DARWINISM” STEPPED OUT OF DARWIN’S HEAD IN 1859, THIS INNOVATIVE VOLUME AIMS TO RETURN TO THE TEXT OF THE ORIGIN ITSELF. REVISITING THE ‘ORIGIN OF SPECIES’ FOCUSES ON DARWIN AS THEORISING ON THE ORIGIN OF VARIATIONS; SHOWING THAT DARWIN HIMSELF WAS NEVER A PAN-SELECTIONIST (IN CONTRAST TO SOME OF HIS FOLLOWERS) BUT WAS CONCERNED WITH “OTHER MEANS OF MODIFICATION” (WHICH MAKES HIM AN EVOLUTIONARY PLURALIST). FURTHERMORE, IN CONTRAST TO COMMON TEXTBOOK PRESENTATIONS OF “DARWINISM”, HOQUET STRESSES THE FACT THAT ON THE ORIGIN OF SPECIES CAN LEND ITSELF TO SEVERAL CONTRADICTORY INTERPRETATIONS. THUS, THIS VOLUME IDENTIFIES WHERE RIVAL INTERPRETATIONS HAVE TAKEN ROOT; TO UNEARTH THE AMBIGUITIES READERS OF DARWIN HAVE LATCHED ONTO AS THEY HAVE PRODUCED A MYRIAD OF DARWINIAN LEGACIES, EACH MORE OR LESS FAITHFUL ENOUGH TO THE ORIGINATOR’S THOUGHT. EMPHASISING THE HISTORICAL FEATURES, COMPLEXITIES AND INTRICACIES OF DARWIN’S ARGUMENT, REVISITING THE ‘ORIGIN OF SPECIES’ CAN BE USED BY ANY LAY READERS OPENING DARWIN’S ON THE ORIGIN OF SPECIES. THIS VOLUME WILL ALSO APPEAL TO STUDENTS AND RESEARCHERS INTERESTED IN AREAS SUCH AS EVOLUTION, NATURAL SELECTION, SCIENTIFIC TRANSLATIONS AND ORIGINS OF LIFE.

THE GREENING OF PHARMACEUTICAL ENGINEERING, THEORIES AND SOLUTIONS - M. R. ISLAM 2016-07-11

THIS IS THE SECOND VOLUME IN A FOUR-VOLUME SERIES AIMED AT GUIDING THE PHARMACEUTICAL INDUSTRY TOWARD SUSTAINABILITY. AFTER ANALYZING AND EXPOSING SOME OF THE BACKWARD AND ILL-CONCEIVED NOTIONS THAT GUIDE THE PRESENT STATE OF THE INDUSTRY, THIS VOLUME PRESENTS KEY THEORIES AND NEW, GROUNDBREAKING SOLUTIONS FOR RE-THINKING THE PROCESSES INVOLVED IN THE ENGINEERING OF PHARMACEUTICALS AND OFFERS A FUNDAMENTAL PARADIGM SHIFT. THE 4 VOLUMES IN THIS AMBITIOUS PROJECT ARE:

- VOLUME 1: PRACTICE, ANALYSIS, AND METHODOLOGY
- VOLUME 2: THEORIES AND SOLUTIONS
- VOLUME 3: APPLICATIONS FOR MENTAL DISORDER TREATMENTS
- VOLUME 4: APPLICATIONS FOR PHYSICAL DISORDER TREATMENTS

THIS GROUND-BREAKING SET OF BOOKS IS A UNIQUE AND STATE-OF-THE-ART STUDY THAT ONLY APPEARS HERE, WITHIN THESE PAGES. A FASCINATING STUDY FOR THE ENGINEER, SCIENTIST, AND PHARMACIST WORKING IN THE PHARMACEUTICAL INDUSTRY AND INTERESTED IN SUSTAINABILITY, IT IS ALSO A VALUABLE TEXTBOOK FOR STUDENTS AND FACULTY STUDYING THESE SUBJECTS.

DIFFERENT: GENDER THROUGH THE EYES OF A PRIMATOLOGIST - FRANS DE WAAL 2022-04-05

“EVERY NEW BOOK BY FRANS DE WAAL IS A CAUSE FOR EXCITEMENT, AND THIS ONE IS NO DIFFERENT. A BREATH OF FRESH AIR IN THE CRAMPED DEBATE ABOUT THE DIFFERENCES BETWEEN MEN AND WOMEN. FASCINATING, NUANCED, AND VERY TIMELY.” —RUTGER BREGMAN, AUTHOR OF HUMANKIND: A HOPEFUL HISTORY IN DIFFERENT, WORLD-RENOWNED PRIMATOLOGIST FRANS DE WAAL DRAWS ON DECADES OF OBSERVATION AND STUDIES OF BOTH HUMAN AND ANIMAL BEHAVIOR TO ARGUE THAT DESPITE THE LINKAGE BETWEEN GENDER AND BIOLOGICAL SEX, BIOLOGY DOES NOT AUTOMATICALLY SUPPORT THE TRADITIONAL GENDER ROLES IN HUMAN SOCIETIES. WHILE HUMANS AND OTHER PRIMATES DO SHARE SOME BEHAVIORAL DIFFERENCES, BIOLOGY OFFERS NO JUSTIFICATION FOR EXISTING GENDER INEQUALITIES. USING CHIMPANZEES AND BONOBOS TO ILLUSTRATE THIS POINT—TWO APE RELATIVES THAT ARE GENETICALLY EQUALLY CLOSE TO HUMANS—DE WAAL CHALLENGES WIDELY HELD BELIEFS ABOUT MASCULINITY AND FEMININITY, AND COMMON ASSUMPTIONS ABOUT AUTHORITY, LEADERSHIP, COOPERATION, COMPETITION, FILIAL BONDS, AND SEXUAL BEHAVIOR. CHIMPANZEES ARE MALE-DOMINATED AND VIOLENT, WHILE BONOBOS ARE FEMALE-DOMINATED AND PEACEFUL. IN BOTH SPECIES, POLITICAL POWER NEEDS TO BE DISTINGUISHED FROM PHYSICAL DOMINANCE. POWER IS NOT LIMITED TO THE MALES, AND BOTH SEXES SHOW TRUE LEADERSHIP CAPACITIES. DIFFERENT IS A FRESH AND THOUGHT-PROVOKING APPROACH TO THE LONG-RUNNING DEBATE ABOUT THE BALANCE BETWEEN NATURE AND NURTURE, AND WHERE SEX AND GENDER ROLES FIT IN. DE WAAL PEPPERS HIS DISCUSSION WITH DETAILS FROM HIS OWN LIFE—A DUTCH CHILDHOOD IN A FAMILY OF SIX BOYS, HIS MARRIAGE TO A FRENCH WOMAN WITH A DIFFERENT ORIENTATION TOWARD GENDER, AND DECADES OF ACADEMIC TURF WARS OVER OUTDATED SCIENTIFIC THEORIES THAT HAVE PROVEN HARD TO DISLodge FROM PUBLIC DISCOURSE. HE DISCUSSES SEXUAL ORIENTATION, GENDER IDENTITY, AND THE LIMITATIONS OF THE GENDER BINARY, EXCEPTIONS TO WHICH ARE ALSO FOUND IN OTHER PRIMATES. WITH HUMOR, CLARITY, AND COMPASSION, DIFFERENT SEEKS TO BROADEN THE CONVERSATION ABOUT HUMAN GENDER DYNAMICS BY PROMOTING AN INCLUSIVE MODEL THAT EMBRACES DIFFERENCES, RATHER THAN NEGATING THEM.

REPRODUCTIVE SUCCESS - T. H. CLUTTON-BROCK 1988

“THIS BOOK IS WELL WORTH BUYING FOR ITS DETAILED SUMMARIES OF THE 25 STUDIES, MANY OF WHICH ARE CLASSIC LONG-TERM PROJECTS, AND FOR ITS INSIGHTS INTO THE FACTORS DETERMINING REPRODUCTIVE SUCCESS.”—WILLIAM J. SUTHERLAND, TREE “A MUST READ FOR ANYONE INTERESTED IN EVOLUTION, MATING/SOCIAL SYSTEMS, AND POPULATION ECOLOGY.”—JOHN L. KOPROWSKI, JOURNAL OF INSECT BEHAVIOR

BITCH - LUCY COOKE 2022-06-14

A FIERCE, FUNNY, AND REVOLUTIONARY LOOK AT THE QUEENS OF THE ANIMAL KINGDOM STUDYING ZOOLOGY MADE LUCY COOKE FEEL LIKE A SAD FREAK. NOT BECAUSE SHE LOVED SPIDERS OR WOULD ROOT AROUND IN ANIMAL FECES:♀ ALL HER FRIENDS SHARED THE SAME CURIOUS KINKS. THE PROBLEM WAS HER SEX. BEING FEMALE MEANT SHE WAS, BY NATURE, A LOSER. SINCE CHARLES DARWIN, EVOLUTIONARY BIOLOGISTS HAVE BEEN CONVINCED THAT THE MALES OF THE ANIMAL KINGDOM ARE THE INTERESTING ONES—DOMINATING AND PROMISCUOUS, WHILE FEMALES ARE DULL, PASSIVE, AND DEVOTED. IN BITCH, COOKE TELLS A NEW STORY. WHETHER INVESTIGATING SAME-SEX FEMALE ALBATROSS COUPLES THAT RAISE CHICKS, MURDEROUS MOTHER MEERKATS, OR THE TITANIC BATTLE OF THE SEXES WAGED BY DUCKS, COOKE SHOWS US A NEW EVOLUTIONARY BIOLOGY, ONE WHERE FEMALES CAN BE AS DYNAMIC AS ANY MALE. THIS ISN’T YOUR GRANDFATHER’S EVOLUTIONARY BIOLOGY. IT’S MORE INCLUSIVE, TRUER TO LIFE, AND, SIMPLY, MORE FUN.

MODEL RULES OF PROFESSIONAL CONDUCT - AMERICAN BAR ASSOCIATION. HOUSE OF DELEGATES 2007

THE MODEL RULES OF PROFESSIONAL CONDUCT PROVIDES AN UP-TO-DATE RESOURCE FOR INFORMATION ON LEGAL ETHICS. FEDERAL, STATE AND LOCAL COURTS IN ALL JURISDICTIONS LOOK TO THE RULES FOR GUIDANCE IN SOLVING LAWYER MALPRACTICE CASES,

DISCIPLINARY ACTIONS, DISQUALIFICATION ISSUES, SANCTIONS QUESTIONS AND MUCH MORE. IN THIS VOLUME, BLACK-LETTER RULES OF PROFESSIONAL CONDUCT ARE FOLLOWED BY NUMBERED COMMENTS THAT EXPLAIN EACH RULE’S PURPOSE AND PROVIDE SUGGESTIONS FOR ITS PRACTICAL APPLICATION. THE RULES WILL HELP YOU IDENTIFY PROPER CONDUCT IN A VARIETY OF GIVEN SITUATIONS, REVIEW THOSE INSTANCES WHERE DISCRETIONARY ACTION IS POSSIBLE, AND DEFINE THE NATURE OF THE RELATIONSHIP BETWEEN YOU AND YOUR CLIENTS, COLLEAGUES AND THE COURTS.

SEXUAL HARASSMENT OF WOMEN - NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE 2018-09-01

OVER THE LAST FEW DECADES, RESEARCH, ACTIVITY, AND FUNDING HAS BEEN DEVOTED TO IMPROVING THE RECRUITMENT, RETENTION, AND ADVANCEMENT OF WOMEN IN THE FIELDS OF SCIENCE, ENGINEERING, AND MEDICINE. IN RECENT YEARS THE DIVERSITY OF THOSE PARTICIPATING IN THESE FIELDS, PARTICULARLY THE PARTICIPATION OF WOMEN, HAS IMPROVED AND THERE ARE SIGNIFICANTLY MORE WOMEN ENTERING CAREERS AND STUDYING SCIENCE, ENGINEERING, AND MEDICINE THAN EVER BEFORE. HOWEVER, AS WOMEN INCREASINGLY ENTER THESE FIELDS THEY FACE BIASES AND BARRIERS AND IT IS NOT SURPRISING THAT SEXUAL HARASSMENT IS ONE OF THESE BARRIERS. OVER THIRTY YEARS THE INCIDENCE OF SEXUAL HARASSMENT IN DIFFERENT INDUSTRIES HAS HELD STEADY, YET NOW MORE WOMEN ARE IN THE WORKFORCE AND IN ACADEMIA, AND IN THE FIELDS OF SCIENCE, ENGINEERING, AND MEDICINE (AS STUDENTS AND FACULTY) AND SO MORE WOMEN ARE EXPERIENCING SEXUAL HARASSMENT AS THEY WORK AND LEARN. OVER THE LAST SEVERAL YEARS, REVELATIONS OF THE SEXUAL HARASSMENT EXPERIENCED BY WOMEN IN THE WORKPLACE AND IN ACADEMIC SETTINGS HAVE RAISED URGENT QUESTIONS ABOUT THE SPECIFIC IMPACT OF THIS DISCRIMINATORY BEHAVIOR ON WOMEN AND THE EXTENT TO WHICH IT IS LIMITING THEIR CAREERS. SEXUAL HARASSMENT OF WOMEN EXPLORES THE INFLUENCE OF SEXUAL HARASSMENT IN ACADEMIA ON THE CAREER ADVANCEMENT OF WOMEN IN THE SCIENTIFIC, TECHNICAL, AND MEDICAL WORKFORCE. THIS REPORT REVIEWS THE RESEARCH ON THE EXTENT TO WHICH WOMEN IN THE FIELDS OF SCIENCE, ENGINEERING, AND MEDICINE ARE VICTIMIZED BY SEXUAL HARASSMENT AND EXAMINES THE EXISTING INFORMATION ON THE EXTENT TO WHICH SEXUAL HARASSMENT IN ACADEMIA NEGATIVELY IMPACTS THE RECRUITMENT, RETENTION, AND ADVANCEMENT OF WOMEN PURSUING SCIENTIFIC, ENGINEERING, TECHNICAL, AND MEDICAL CAREERS. IT ALSO IDENTIFIES AND ANALYZES THE POLICIES, STRATEGIES AND PRACTICES THAT HAVE BEEN THE MOST SUCCESSFUL IN PREVENTING AND ADDRESSING SEXUAL HARASSMENT IN THESE SETTINGS.

IN THE LIGHT OF EVOLUTION - NATIONAL ACADEMY OF SCIENCES 2017-01-01

BIODIVERSITY—THE GENETIC VARIETY OF LIFE—IS AN EXUBERANT PRODUCT OF THE EVOLUTIONARY PAST, A VAST HUMAN-SUPPORTIVE RESOURCE (AESTHETIC, INTELLECTUAL, AND MATERIAL) OF THE PRESENT, AND A RICH LEGACY TO CHERISH AND PRESERVE FOR THE FUTURE. TWO URGENT CHALLENGES, AND OPPORTUNITIES, FOR 21ST-CENTURY SCIENCE ARE TO GAIN DEEPER INSIGHTS INTO THE EVOLUTIONARY PROCESSES THAT FOSTER BIOTIC DIVERSITY, AND TO TRANSLATE THAT UNDERSTANDING INTO WORKABLE SOLUTIONS FOR THE REGIONAL AND GLOBAL CRISES THAT BIODIVERSITY CURRENTLY FACES. A GRASP OF EVOLUTIONARY PRINCIPLES AND PROCESSES IS IMPORTANT IN OTHER SOCIETAL ARENAS AS WELL, SUCH AS EDUCATION, MEDICINE, SOCIOLOGY, AND OTHER APPLIED FIELDS INCLUDING AGRICULTURE, PHARMACOLOGY, AND BIOTECHNOLOGY. THE RAMIFICATIONS OF EVOLUTIONARY THOUGHT ALSO EXTEND INTO LEARNED REALMS TRADITIONALLY RESERVED FOR PHILOSOPHY AND RELIGION. THE CENTRAL GOAL OF THE IN THE LIGHT OF EVOLUTION (ILE) SERIES IS TO PROMOTE THE EVOLUTIONARY SCIENCES THROUGH STATE-OF-THE-ART COLLOQUIA—IN THE SERIES OF ARTHUR M. SACKLER COLLOQUIA SPONSORED BY THE NATIONAL ACADEMY OF SCIENCES—AND THEIR PUBLISHED PROCEEDINGS. EACH INSTALLMENT EXPLORES EVOLUTIONARY PERSPECTIVES ON A PARTICULAR BIOLOGICAL TOPIC THAT IS SCIENTIFICALLY INTRIGUING BUT ALSO HAS SPECIAL RELEVANCE TO CONTEMPORARY SOCIETAL ISSUES OR CHALLENGES. THIS TENTH AND FINAL EDITION OF THE IN THE LIGHT OF EVOLUTION SERIES FOCUSES ON RECENT DEVELOPMENTS IN PHYLOGEOGRAPHIC RESEARCH AND THEIR RELEVANCE TO PAST ACCOMPLISHMENTS AND FUTURE RESEARCH DIRECTIONS.

MALE CHOICE, FEMALE COMPETITION, AND FEMALE ORNAMENTS IN SEXUAL SELECTION - INGO SCHLUPP 2021

WHEN CHARLES DARWIN FIRST PROPOSED SEXUAL SELECTION THEORY, HE SUGGESTED TWO MECHANISMS: COMPETITION AMONG MALES AND CHOICE BY FEMALES. ALTHOUGH THEIR IMPORTANCE IS LONG ESTABLISHED AND EXTREMELY WELL UNDERSTOOD, THEIR MIRROR IMAGES HAVE REMAINED LARGELY UNDERAPPRECIATED; MALES ALSO CHOOSE, AND FEMALES ALSO COMPETE. THE COMBINATION OF MALE MATE CHOICE (MMC) AND FEMALE COMPETITION (FC) MAY BE ONE OF THE MOST OVERLOOKED YET IMPORTANT AND INTRIGUING PHENOMENA IN MODERN SEXUAL SELECTION THEORY. THIS NOVEL TEXT REVIEWS OUR CURRENT UNDERSTANDING OF MMC AND FC, HIGHLIGHTING THE IMPORTANT CONNECTIONS BETWEEN THEM. IT PLACES BOTH CONCEPTS IN THE CONTEXT OF RELATED FIELDS SUCH AS FEMALE CHOICE, MATING SYSTEMS, AND SEXUAL SELECTION THEORY MORE BROADLY. A TRULY HOLISTIC APPROACH IS PROVIDED WHICH TAKES ALL THE RELEVANT ELEMENTS INTO CONSIDERATION, ESPECIALLY THE RELATIVE ROLES OF MMC AND FC, FEMALE ORNAMENTATION, THEIR EVOLUTIONARY CONSEQUENCES, AND THEIR GENETIC BASIS. CONSIDERING MALE MATE CHOICE AND FEMALE COMPETITION IN THIS WAY AS EFFECTIVELY TWO SIDES OF THE SAME COIN CREATES A POWERFUL PARADIGM FOR A MORE COMPLETE UNDERSTANDING OF SEXUAL SELECTION. MALE CHOICE, FEMALE COMPETITION, AND FEMALE ORNAMENTS IN SEXUAL SELECTION WILL BE SUITABLE FOR BOTH GRADUATE STUDENTS AND RESEARCHERS INTERESTED IN SEXUAL SELECTION FROM AN EVOLUTIONARY, PSYCHOLOGICAL, AND ANTHROPOLOGICAL PERSPECTIVE. IT WILL ALSO APPEAL TO A BROADER AUDIENCE OF BEHAVIOURAL ECOLOGISTS AND EVOLUTIONARY PSYCHOLOGISTS.

THE RED QUEEN - MATT RIDLEY 1994

“TWO FASCINATING QUESTIONS LIE AT THE HEART OF THE RED QUEEN: WHY IS HOMO SAPIENS A SEXUAL SPECIES, AND WHAT IMPLICATIONS DOES THIS HAVE FOR HUMAN NATURE?” “THAT MAN IS SEXUAL MAY SEEM UNREMARKABLE, YET IN FACT NOT ALL PLANTS AND ANIMALS NEED TO HAVE SEX TO REPRODUCE; SIMPLE CLONING IS PRACTICED BY MANY ANIMALS WITH MUCH GREATER EFFICIENCY. TO UNDERSTAND HOW LIFE EVOLVES, AND WHAT BENEFIT SEX PROVIDES FOR HUMANS, WE MUST THINK LIKE THE RED QUEEN IN LEWIS CARROLL’S THROUGH THE LOOKING-GLASS, WHO HAD TO KEEP RUNNING JUST TO STAY IN PLACE.” “ACCORDING TO A CONTROVERSIAL

YET PERSUASIVE NEW THEORY, EVOLUTION IS NOT ABOUT PROGRESS, BUT ABOUT CHANGING IN ORDER TO SURVIVE. BECAUSE HUMANS ARE IN A PERPETUAL BATTLE WITH THE PARASITES LURKING WITHIN OUR BODIES, WE NEED TO BE ABLE TO CHANGE MOLECULAR LOCKS AS FAST AS PARASITES INVENT NEW KEYS. SEX ENABLES US TO ALTER GENETIC COMBINATIONS EVERY GENERATION. SEX, THEN, IS A VITAL WEAPON IN DISEASE RESISTANCE. IT ENABLES US TO CHANGE, NOT SO WE PROGRESS AHEAD, BUT SO WE AVOID FALLING BEHIND." "BUT WHAT DOES ALL THIS MEAN FOR HUMAN NATURE? FROM A LUCID OVERVIEW OF THE RED QUEEN THEORY, MATT RIDLEY FOLLOWS THE LOGIC OF ITS ARGUMENT INTO THE HEART OF HUMAN BEHAVIOR. FOR JUST AS THE HUMAN EYE IS A PRODUCT OF EVOLUTION, SO IS HUMAN NATURE." "EVOLUTIONARY THEORY PROVIDES THE CLUES TO HELP US UNDERSTAND FUNDAMENTAL FACTS ABOUT HUMAN BEINGS, FROM

OUR FASHION CONSCIOUSNESS TO OUR "SYSTEM OF MONOGAMY PLAGUED BY ADULTERY." RIDLEY'S PROBING MIND ASKS A SERIES OF PROVOCATIVE QUESTIONS. IS MANKIND NATURALLY POLYGAMOUS LIKE MOST OF OUR APE RELATIVES? ARE MEN AND WOMEN MENTALLY DIFFERENT AS WELL AS PHYSICALLY, AND IF SO WHY? WHY DO PEOPLE SHARE SO MANY SEXUAL HABITS WITH SWALLOWS? ARE OUR NOTIONS OF HUMAN BEAUTY ARBITRARY, OR IS THERE METHOD IN THEM?" "JUMPING INTO THE MIDDLE OF THE DEBATE OVER THE DEFINITION OF "HUMAN NATURE," THE RED QUEEN OFFERS AN EXTRAORDINARY NEW WAY OF INTERPRETING THE HUMAN CONDITION AND HOW IT HAS EVOLVED. IT THROWS FRESH LIGHT ON SEDUCTION AND SEXISM, BEAUTY AND POLYGAMY, ATTRACTION AND ADULTERY - EVEN INTELLIGENCE ITSELF. THIS IS A BRILLIANTLY WRITTEN BOOK OF CONSIDERABLE INTRIGUE AND UNCOMMON SENSE."--BOOK JACKET.TITLE SUMMARY FIELD PROVIDED BY BLACKWELL NORTH AMERICA, INC. ALL RIGHTS RESERVED