

SEXUAL SELECTION AND THE DESCENT OF MAN

1871-1971

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Sexual Selection and the Descent of Man, 1871-1971 Bernard Grant Campbell, 1972 For biologists anthropologists and geneticists

Sexual Selection And the Descent of Man Bernard Grant Campbell, Just over one hundred and thirty years ago Charles Darwin in *The Descent of Man and Selection in Relation to Sex* 1871 developed remarkably accurate conclusions about man's ancestry based on a review of general comparative anatomy and psychology in which he regarded sexual selection as a necessary part of the evolutionary process But the attention of biologists turned to the more general concept of natural selection in which sexual selection plays a complex role that has been little understood This volume significantly broadens the scope of modern evolutionary biology by looking at this important and long neglected concept of great importance In this book which is the first full discussion of sexual selection since 1871 leading biologists bring modern genetic theory and behavior observation to bear on the subject The distinguished authors consider many aspects of sexual selection in many species including man within the context of contemporary evolutionary theory and research The result is a remarkably original and well rounded view of the whole concept that will be invaluable especially to students of evolution and human sexual behavior The lucid authority of the contributors and the importance of the topic will interest all who share in man's perennial fascination with his own history The book will be of central importance to a wide variety of professionals including biologists anthropologists and geneticists It will be an invaluable supplementary text for courses in vertebrate biology theory of evolution genetics and physical anthropology It is especially important with the emergence of alternative explanations of human development under the rubric of creationism and doctrines of intelligent design Bernard G Campbell is professor of anthropology at the University of California Los Angeles Born in Weybridge England he received his Ph D from the University of Cambridge in 1957 and has been a lecturer in anthropology at Cambridge and Harvard Universities Among his many contributions to the field of anthropology is *Human Evolution An Introduction to Man's Adaptations*

Current Ornithology D.M. Power, 2013-06-29 This edited series has three principal goals The first is to provide information in a relatively concise way for researchers needing an overview of specific disciplines The second is to provide an update on specific schools of thought bringing together ideas from colleagues whose works often appear in a variety of journals And the third is to stimulate and suggest directions for new research Volume 6 continues the tradition established by the previous editor and editorial board in providing new information updating our understanding of specific disciplines and stimulating new research In the first chapter Randall Breitwisch examines mortality patterns and sex ratios in monogamous birds He argues that there are many more components to measuring parental investment than are often realized our knowledge is weak in several areas Understanding the evolution of mating systems depends on better distinguishing the different intensities of natural selection that operate on males and females Gregory Butcher and Sievert Rohwer develop a framework for assessing the role of colorfulness in birds They propose several hypotheses to test and advocate evaluating more than one

hypothesis at a time Future work on the evolution of distinctive coloration and of sexual and age dimorphism must take these ideas into account Perspectives in Ornithology Alan H. Brush, George Alfred Clark, 1983-08-31 Collects together a series of essays and commentaries by leading authorities about active areas of research on the biology of birds Current Ornithology Dennis M. Power, 1983 *An Existentialist Theory of the Human Spirit (Volume 1)* Shlomo Giora Shoham, 2020-07-22 This first volume examines how sexual mores and behavior religious dogma and practice and artistic creativity and authenticity have influenced and been influenced by the existentialist thought of Kierkegaard Heidegger Sartre Nietzsche Husserl and Buber and the writings of Camus Dostoevsky Beckett Kafka and Shestov It compares the author s personality theory with those of Freud Jung Fairbairn Karl Abraham and Melanie Klein and Buddhist Gnostic Christian and Muslim mysticism with Jewish Kabbalah It explains society s harsh treatment of Carlo Gesualdo Vincent van Gogh and Antonin Artaud and analyzes the existentialist approach to existence absurdity human dialogue and suicide It will appeal to students and professionals in fields as diverse as philosophy psychology sociology anthropology religion law music art drama literature and biology **Sex and Gender Hierarchies** Barbara D. Miller, 1993-02-18 This edited collection attempts to revive a unified anthropological approach to the study of sex and gender hierarchies Seventeen distinguished contributors from cultural anthropology physical anthropology archaeology and anthropological linguistics have produced a wealth of fascinating data on human and primate ancient and contemporary and primitive and developed societies covering topics such as mothering and child care work health intrafamily relationships and public power The interdisciplinary approach successfully contributes to the development of better theory and methodology in anthropology Evolutionary Perspectives on Human Sexual Psychology and Behavior Viviana A. Weekes-Shackelford, Todd K. Shackelford, 2014-07-08 This volume in the Springer Series in Evolutionary Psychology presents a state of the art view of the topic of sexuality and sexual behavior drawing on theoretical constructs and research of noted individuals in the field Comprehensive and multi disciplinary this book seeks to provide a broad overview without sacrificing the complexity of a multi faceted approach The book is framed by introductory and closing sections that provide a context for the range of ideas contained within Ample space is provided in designated sections that focus on key areas of sexuality from both male and female perspectives and that include information from primate studies This volume can serve as a graduate text in sexual behavior in evolutionary terms and as a guide for further research Biology And The Social Sciences Thomas C. Wiegale, 2019-03-01 Exciting new developments in behavioral biology are creating an intellectual revolution in the study of human behavior and are causing social scientists to reassess the ways in which they approach their disciplines This book examines how these new findings are likely to transform and shape anthropology sociology economics and political science in the coming decade The book begins with an overview of the rapidly changing relationship between biological and social studies In successive sections well known social scientists biologists and philosophers address the theoretical challenges involved in incorporating material from sociobiology ecology

genetics and psychophysiology into their own disciplines approaches to the analysis of human behavior The concluding chapters examine specific methodological problems and related issues *Sexual Selection in Primates* Peter M.

Kappeler, Carel P. van Schaik, 2004-05-13 *Sexual Selection in Primates* provides an account of all aspects of sexual selection in primates combining theoretical insights comprehensive reviews of the primate literature and comparative perspectives from relevant work on other mammals birds and humans Topics include sex roles sexual dimorphism in weapons ornaments and armaments sex ratios sex differences in behaviour and development mate choice sexual conflict sex specific life history strategies sperm competition and infanticide The outcome of the evolutionary struggle between the sexes the flexibility of roles and the leverage of females are discussed and emphasised throughout *Sexual Selection in Primates* is aimed at graduates and researchers in primatology animal behaviour evolutionary biology and comparative psychology Sexual

Knowledge, Sexual Science Roy Porter, Mikulas Teich, 1994-09 This volume is about those who have investigated sex from antiquity to the present day **Sexual Selection** Malte Andersson, 2019-12-31 Bright colors enlarged fins feather plumes

song horns antlers and tusks are often highly sex dimorphic Why have males in many animals evolved more conspicuous ornaments signals and weapons than females How can such traits evolve although they may reduce male survival Such questions prompted Darwin s perhaps most scientifically controversial idea the theory of sexual selection It still challenges researchers today as they try to understand how competition for mates can favor the variety of sex dimorphic traits

Reviewing theoretical and empirical work in this very active field Malte Andersson a leading contributor himself provides a major up to date synthesis of sexual selection The author describes the theory and its recent development examines models methods and empirical tests and identifies many unsolved problems Among the topics discussed are the selection and evolution of mating preferences relations between sexual selection and speciation constraints on sexual selection and sex differences in signals body size and weapons The rapidly growing study of sexual selection in plants is also reviewed This volume will interest students teachers and researchers in behavioral ecology and evolutionary biology **Reproductive**

Ecology and Human Evolution Peter Thorpe Ellison, Sex Differences in Fear Response Anne Campbell, Lee T Copping, Catharine P Cross, 2021-04-10 This book reviews the evolutionary forces behind sex differences in fear responses and crucially delves into the mechanisms through which sexual selection might have driven sex differences in connection with fear Fear is an evolved mechanism that helps us stay alive but is also an emotion experienced more intensely more frequently and longer in women than in men This book therefore asks the following question Why might evolution have made women more motivated than men to avoid danger It provides an overview of the brain areas underpinning the experience of fear and evaluates the evidence that these areas manifest sex specific differences in their structure and function Given its scope the book will be essential reading for anyone interested in an evolutionary perspective on psychological sex differences

Sexual Selection and Reproductive Competition in Insects Murray Blum, 2012-12-02 Sexual Selection and

Reproductive Competition in Insects explores the biological mechanisms underlying intrasexual reproductive competition as a driving force in sexual selection in insects. The book contains papers presented at a symposium on reproductive behavior in insects held at the 15th International Congress of Entomology in Washington D C in 1976. Organized into 13 chapters, this volume begins with a historical background on sexual selection theory and some of the principal conceptual advances that have been made since Charles Darwin 1871 posited that a sexual character was a characteristic possessed by only one sex and not the other. It then introduces the reader to differences in patterns of sexual selection and how they affect the reproductive success of individuals, male-female mating relationships, and mate choice by females. The book also discusses the evolution of mating strategies in insects, touching on concepts such as parental investment, female choice, and sexual conflict. Later chapters focus on winglessness, fighting, and dimorphism in male fig wasps and other insects, along with agonistic behavior among males of *Achias australis*, the function of horns in beetles, and the evolution of alternative male reproductive strategies in field crickets. The book also looks into the courtship and mating behavior of insects and then concludes with an analysis of insect life histories in order to elucidate the biological aspects of the male-female phenomenon. This book is an essential reading for biologists and chemists.

Elephant Seals Burney J. Le Beouf, Richard M. Laws, 2022-07-15. The largest of all seals, elephant seals rank among the most impressive of marine mammals. They are renowned for their spectacular recovery from near extinction at the end of the nineteenth century when seal hunters nearly eliminated the entire northern species. No other vertebrate has come so close to extinction and made such a complete recovery. The physiological extremes that elephant seals can tolerate are also remarkable: females fast for a month while lactating, and the largest breeding males fast for over one hundred days during the breeding seasons, at which times both sexes lose forty percent of their body weight. Elephant seals dive constantly during their long foraging migrations, spending more time under water than most whales and diving deeper and longer than any other marine mammal. This first book-length discussion of elephant seals brings together worldwide expertise from scientists who describe and debate recent research, including the history and status of various populations, their life history, tactics, and other findings obtained with the help of modern microcomputer diving instruments attached to free-ranging seals. Essential for all marine mammalogists for its information and its methodological innovations, *Elephant Seals* will also illuminate current debates about species extinctions and possible means of preventing them. This title is part of UC Press's Voices Revived program, which commemorates University of California Press's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1994.

Current Ornithology Richard Johnston, 2013-11-11. The appearance of the first volume of a projected series is the occasion for comment on scope, aims, and genesis of the work. The scope of *Current Ornithology* is all of the biology of birds. Ornithology as a whole, organism science, is concerned with birds at every level of biological organization.

from the molecular to the community at least from the Jurassic to the present time and over every scholarly discipline in which bird biology is done to say this is merely to expand a dictionary definition of ornithology The aim of the work to be realized over several volumes is to present reviews or position statements concerning the active fields of ornithological research The reviews will be relatively short and often will be done from the viewpoint of a readily identified group or school Such a work could have come into being at any time within the past fifty years but that Current Ornithology appears now is a result of events that are only seven to eight years old One important event was the initiation in 1975 1976 of the Workshop on a National Plan for Ornithology under the directorship of James R King and Walter J Bock cosponsored by the American Ornithologists Union and the National Science Foundation Part of the Workshop's interests lay in publications resources and certain kinds of information on publications were obtained by means of a questionnaire

America's Darwin Tina Gianquitto, Lydia Fisher, 2014 An engaging collection of interdisciplinary essays on the distinctive qualities of America's textual engagement with Darwinian evolutionary theory especially in regard to On the Origin of Species which highlights the influence of prevalent cultural anxieties on interpretation

Handbook of Evolutionary Psychology Charles Crawford, Dennis L. Krebs, 2013-03-07 Evolutionary psychology is concerned with the adaptive problems early humans faced in ancestral human environments the nature of psychological mechanisms natural selection shaped to deal with those ancient problems and the ability of the resulting evolved psychological mechanisms to deal with the problems people face in the modern world Evolutionary psychology is currently advancing our understanding of altruism moral behavior family violence sexual aggression warfare aesthetics the nature of language and gender differences in mate choice and perception It is helping us understand the relationship between cognitive science developmental psychology behavior genetics personality and social psychology Foundations of Evolutionary Psychology provides an up to date review of the ideas issues and applications of contemporary evolutionary psychology It is suitable for senior undergraduates first year graduate students or professionals who wish to become conversant with the major issues currently shaping the emergence of this dynamic new field It will be interesting to psychologists cognitive scientists and anyone using new developments in the theory of evolution to gain new insights into human behavior

The Making and Breaking of Minds: How social interactions shape the human mind Isabella Sarto-Jackson, 2022-04-05 The human brain has a truly remarkable capacity It reorganizes itself flexibly adjusting to fluctuating environmental conditions a process called neuroplasticity Neuroplasticity provides the basis for wide ranging learning and memory processes that are particularly profuse during childhood and adolescence At the same time the exceptional malleability of the developing brain leaves it highly vulnerable to negative impact from the surroundings Abusive or neglecting social environments as well as socioeconomic deprivation and poverty cause toxic stress and complex traumas that can severely compromise cognitive development emotional processing self perception and executive brain functions The neurophysiological changes entailed impair emotional regulation lead to heightened anxiety and afflict

attachment and the formation of social bonds Neuroplastic changes following severely adverse experiences are not something that a person grows out of and gets over These experiences alter the neurobiological and biochemical makeup and cause people to live in an emotionally relabeled world in which the evaluation of any social cue their behavior cognition and state of mind are biased towards the negative Even more worrying detrimental neurophysiological consequences are not limited to the traumatized individual but are often transmitted to subsequent generations through a process of social niche construction thereby creating a vicious cycle Thus the making and breaking forces of the brain are epitomized by parents alloparents peers and our socioeconomic niche This book expounds on the formative role that the social environment plays in healthy brain development especially during infancy childhood and adolescence Based on scientific findings the book advocates for bold measures and responsible stewardship to combat child abuse maltreatment and child poverty By bringing together insights from neuroscience evolutionary biology and social education work it lays out a fact based transdisciplinary endeavor that aims at rising to the societal challenge of providing a rewarding perspective to youth at risk It will be a valuable resource for academics from social education pedagogy cognitive science neuroscience as well as professionals in the fields of social work pedagogy education child welfare

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