# Sociobiology

 Human sociobiology connects biology to the humanities and social sciences



# **Sociobiology And The Social Sciences**

**AN Whitehead** 

#### **Sociobiology And The Social Sciences:**

Sociobiology and the Social Sciences Robert W. Bell, Nancy J. Bell, 1989 **Biology And The Social Sciences** Thomas C. Wiegele, 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 Handbook on Evolution and Society Alexandra Maryanski, Richard Machalek, Jonathan H. Turner, 2015-11-17 Handbook on Evolution and Society brings together original chapters by prominent scholars who have been instrumental in the revival of evolutionary theorizing and research in the social sciences over the last twenty five years Previously unpublished essays provide up to date critical surveys of recent research and key debates The contributors discuss early challenges posed by sociobiology the rise of evolutionary psychology the more conflicted response of evolutionary sociology to sociobiology and evolutionary psychology Chapters address the application and limitations of Darwinian ideas in the social sciences Prominent authors come from a variety of disciplines in ecology biology primatology psychology sociology and the humanities The most comprehensive resource available this vital collection demonstrates to scholars and students the new ways in which evolutionary approaches ultimately derived from biology are influencing the diverse social sciences and humanities Human By Nature Peter Weingart, Sandra D. Mitchell, Peter J. Richerson, Sabine Maasen, 2013-06-17 Representing a wide range of disciplines biology sociology anthropology economics human ethology psychology primatology history and philosophy of science the contributors to this book recently spent a complete academic year at the Center for Interdisciplinary Research ZiF discussing a plethora of new insights in reference to human cultural evolution These scholars acted as a living experiment of interdisciplinarity in vivo The assumption of this experiment was that the scholars while working and residing at the ZiF would be united intellectually as well as socially a connection that might eventually enhance future interdisciplinary communication even after the research group had dispersed An important consensus emerged The issue of human culture poses a challenge to the division of the world into the realms of the natural and the cultural and hence to the disciplinary division of scientific labor The appropriate place for the study of human culture in this group s view is located between biology and the social sciences Explicitly avoiding biological and sociological reductionisms the group adopted a pluralistic perspective integrative pluralism that took into account both today s highly specialized and effective sub disciplinary research and the possibility of integrating the respective findings on a case by case

basis Each sub group discovered its own way of interdisciplinary collaboration and submitted a contribution to the present volume reflecting one of several types of fruitful cooperation such as a fully integrated chapter a multidisciplinary overview or a discussion between different approaches A promising first step on the long road to an interdisciplinarily informed understanding of human culture this book will be of interest to social scientists and biologists alike the Social Sciences Ron Vannelli, 1986 Sociobiology and the Preemption of Social Science Alexander Rosenberg, 2019-12-01 Originally published in 1981 Why have the social sciences in general failed to produce results with the ever increasing explanatory power and predictive strength of the natural sciences In seeking an answer to this question Alexander Rosenberg a philosopher of science plunges into the controversial discipline of sociobiology Sociobiology Rosenberg asserts deals in those forces governing human behavior that traditional social science has unsuccessfully attempted to slip between neurophysiology on the one hand and selective forces on the other Unlike previous works in the two fields it straddles Rosenberg s book brings thinking about the nature of scientific theorizing to bear on the most traditional issues in the philosophy of social science The author finds that the subjects of conventional social science do not reflect the operation of laws that social scientists are equipped to discover The author argues that much of the debate surrounding sociobiology is irrelevant to the issue of its ultimate success Although largely conceptual the book is an unequivocal defense of this new theory in the explanation of human behavior **Evolutionary Theory in Social Science** M. Schmid, Franz M. Wuketits, 2012-12-06 In retrospect the 19th century tmdoubtedly seems to be the century of evolutionism The discovery of time and therewith the experience of variability was made by many sciences not only historians worked on the elaboration and interpretation of this discovery but also physicists geographers biologists and economists demographers archaelogists and even philosophers The successful empirical fotmdation of evolutive processes by Darwin and his disciples suggested Herbert Spencer's vigorously pursued efforts in searching for an extensive catalogue of prime and deduced evolutionary principles that would allow to integrate the most different disciplines of natural and social sciences as well as the efforts of philosophers of ethics and epistemologists Soon it became evident however that the claim for integration anticipated by far the actual results of these different disciplines Darwin I s theory suffered from the fact that in the beginning a hereditary factor which could have his theory could not be detected while the gainings of grotmd supported in the social sciences got lost in consequence of the completely ahistorical or biologistic speculations of some representatives of the evolutionary research programm and common socialdarwinistic misinterpretations Sociobiology, Sex, and Science Harmon R. Holcomb, 1993-01-01 This book examines sociobiology s validity and significance using the sociobiological theory of the evolution of mating and parenting as an example It identifies and discusses the array of factors that determine sociobiology s effort to become a science providing a rare balanced account more critical than that of its advocates and more constructive than that of its critics It sees a role for sociobiology in changing the way we understand the

goals of evolutionary biology the proper way to evaluate emerging sciences and the deep structure of scientific theories The book s premise is that evolutionary biology would not be complete if it did not explain evolutionarily significant social facts about nonhumans and humans It proposes that explanations should be evaluated in terms of their basis in underlying theories research programs and conceptual frameworks Sociobiology Edward O. Wilson, 2000-03-24 When this work was first published it started a tumultuous round in the age old nature versus nurture debate It shows how research in human genetics and neuroscience has strengthened the case for biological understanding of human nature Systems Theory in the Life Sciences Paul Hoyningen-Huene, Franz M. Wuketits, 2012-12-06 The present volume aims at giving a discussion of the problems of reductionism in contemporary life sciences. It contains six papers which deals with reduction reductionism in different fields of biological research Also the holistic perspective 1 e the systems view is discussed in some of the papers. The message of this discussion Is that whereas reductionism is indeed an important strategy the systems approach is needed It is argued by some of the authors that organisms are complex systems and not just heaps of molecules 50 that the analytical method does not suffice Recent developments in systems theory offer the possibility to install a more comprehensive view of living systems what can be seen particularly in the field of evolutionary biology It is true that any organismic activity is molecular this is to say that it is based on molecular mechanisms But it is also true that the whole organism displays certain patterns of behavior which are not just molecular Any organism can be described as a system of different levels of organization different levels of order and complexity and it is important therefore to study all of the organizational levels and to see their peculiarities It should be obvious however that there is not one problem of reduction reductionism but that there are many problems linked together and that these problems appear at different levels of biological research and bio philosophical reflections Sociobiology: Sense or Nonsense? M. Ruse, 2012-12-06 In June 1975 the distinguished Harvard entomologist Edward O Wilson published a truly huge book entitled Sociobiology The New Synthesis In this book drawing on both fact and theory Wilson tried to present a comprehensive overview of the rapidly growing subject of sociobiology the study of the biological nature and foundations of animal behaviour more precisely animal social behaviour Although as the title rather implies Wilson was more surveying and synthesising than developing new material he compensated by giving the most thorough and inclusive treatment possible beginning in the animal world with the most simple of forms and progressing via insects lower invertebrates mammals and primates right up to and in cluding our own species Homo sapiens Initial reaction to the book was very favourable but before the year was out it came under withering attack from a group of radical scientists in the Boston area who styled themselves The Science for the People Sociobiology Study Group Criticism of course is what every academic gets and needs but for two reasons this attack was particularly unpleasant First not only were Wilson's ideas attacked but he himself was smeared by being linked with the most reactionary of political thinkers including the Nazis Human by Nature ,1997 Sociobiology vs Socioecology Sejin

Park, Georges Guille-Escuret, 2017-06-26 As a theory sociobiology is opposed to socio ecology a discipline hampered since its birth The indictment of the ideological intentions of the first has obscured the notion that the growing domination of the image of the selfish gene has obstructed the necessary rise of the second For 40 years a terrible force of inertia has thus frozen the global analysis of socio ecological interactions outside the theoretical bias externally imposed on social sciences by so called behavioral ecology which amounts to a simple emanation of sociobiology This book summarizes the methodological abuses and the illusory legitimations of a school whose sterility can no longer be concealed but which is preparing to reinvent itself by cynically replacing its faltering laws by hijacking the recent advances in epigenetics. The authors shed light on unjustly sacrificed paths in the study of socio ecological interactions The Dynamics of Thought Peter Gardenfors, 2005-07 This volume is a collection of some of the most important philosophical papers by Peter G rdenfors Spanning a period of more than 20 years of his research they cover a wide ground of topics from early works on decision theory belief revision and nonmonotonic logic to more recent work on conceptual spaces inductive reasoning semantics and the evolutions of thinking Many of the papers have only been published in places that are difficult to access The common theme of all the papers is the dynamics of thought Several of the papers have become minor classics and the volume bears witness of the wide scope of G rdenfors research and of his crisp and often witty style of writing The volume will be of interest to researchers in philosophy Accounting for Aggression Gerda Siann, 2024-08-08 The despair and incomprehension that and other cognitive sciences often seem to be the only possible response to acts of aggression and violence have led to attempts by academics and writers from a wide variety of backgrounds to understand and explain such behaviour The concern and anxiety that is felt by many people about this subject is such that some of their accounts notably by Konrad Lorenz Desmond Morris Robert Ardrey and Anthony Storr have become popular and even best selling books Originally published in 1985 Accounting for Aggression provides a comprehensive synthesis and assessment of these writings and other contemporary theory and research on aggression and violence at the time The author presents a variety of accounts of aggression drawing on original work in the areas of biology sociobiology ethology psychology and sociology Each account is evaluated according both to the criteria of scientific methodology and to the extent to which it illuminates our understanding and appears to have a lasting explanatory value In the last chapter the author presents an integrative approach to the subject area which synthesizes those findings for which there appears to be substantial empirical support within a framework of the meaning that aggressive and violent behaviour offers to those who carry it out Accounting for Aggression will be of great value to students and practitioners in the fields of psychology psychiatry social work and education Furthermore it will be welcomed by interested members of the general public who are concerned with issues such as whether or not violence is inherent in human nature the extent to which interpersonal violence is related to group violence and the extent to which violence in the media affects violent behaviour Philosophy of Anthropology and Sociology, 2011-08-12 This volume concerns philosophical issues that

arise from the practice of anthropology and sociology The essays cover a wide range of issues including traditional questions in the philosophy of social science as well as those specific to these disciplines Authors attend to the historical development of the current debates and set the stage for future work Comprehensive survey of philosophical issues in anthropology and sociology Historical discussion of important debates Applications to current research in anthropology and sociology

Shaping Science with Rhetoric Leah Ceccarelli, 2010-11-15 How do scientists persuade colleagues from diverse fields to cross the disciplinary divide risking their careers in new interdisciplinary research programs Why do some attempts to inspire such research win widespread acclaim and support while others do not In Shaping Science with Rhetoric Leah Ceccarelli addresses such questions through close readings of three scientific monographs in their historical contexts Theodosius Dobzhansky's Genetics and the Origin of Species 1937 which inspired the modern synthesis of evolutionary biology Erwin Schr dinger s What Is Life 1944 which catalyzed the field of molecular biology and Edward O Wilson s Consilience 1998 a so far not entirely successful attempt to unite the social and biological sciences She examines the rhetorical strategies used in each book and evaluates which worked best based on the reviews and scientific papers that followed in their wake Ceccarelli s work will be important for anyone interested in how interdisciplinary fields are formed from historians and rhetoricians of science to scientists themselves A New Unified Theory of Psychology Gregg Henriques, 2011-08-17 Concern about psychology s fragmentation is not new but there has for the past decade been increasing calls for psychologists to acknowledge to the costs associated with fragmentation and to search for ways to unify the discipline A New Unified Theory of Psychology introduces a new system that addresses psychology s current theoretical and philosophical difficulties The new theory consists of four interlocking pieces that together provide for the first time a macro level view that clarifies the nature of psychology s problems and offers a clear way to unify the various elements of the field The unified theory provides the field of psychology with a well defined subject matter allowing both academic and professional psychologists will be able to develop a shared language and conceptual foundation Sense and Nonsense Kevin N. Laland, Gillian R. Brown, 2011-04-07 This book asks whether evolution can help us to understand human behaviour and explores diverse evolutionary methods and arguments It provides a short readable introduction to the science behind the works of Dawkins Dennett Wilson and Pinker It is widely used in undergraduate courses around the world Biology and **Feminism** Lynn Hankinson Nelson, 2017-09-07 This book provides a unique introduction to the study of relationships between gender and biology a core part of the feminist science research tradition which emerged nearly half a century ago Lynn Hankinson Nelson presents an accessible and balanced discussion of research questions background assumptions methods and hypotheses about biology and gender with which feminist scientists and science scholars critically and constructively engage Writing from the perspective of contemporary philosophy of science she examines the evidence for and ethical implications of biological hypotheses about gender and discusses relevant philosophical issues including

understandings of scientific objectivity the nature of scientific reasoning and relationships between biological research and the scientific and social contexts in which it is pursued Clear and comprehensive this volume addresses the engagements of feminist scientists and science scholars with a range of disciplines including developmental and evolutionary biology medicine neurobiology and primatology

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