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Sociobiology And Epistemology

Xiaolong Qi



Sociobiology And Epistemology:

Sociobiology and Epistemology J.H. Fetzer, 2012-12-06 The papers presented in this special collection focus upon conceptual the oretical and epistemological aspects of sociobiology an emerging discipline that deals with the extent to which genetic factors influence or control patterns of behavior as well as the extent to which patterns of behavior in turn influence or control genetic evolution The Prologue advances a compre hensive acco unt of the field of gene culture co evolution where Lumsden and Gushurst differentiate between classical sociobiology represented especially by Wilson s early work and current research on human socio biology represented by Lumsden and Wilson s later work which emphasizes interplay between genes minds and culture The specter of genetic deter minism no doubt has created considerable controversy some of which may be laid to rest by Hanna s analysis of the ambiguous notion of a genetic program which indicates the necessity for distinguishing between descriptive and prescriptive dimensions of this complex concept Brandon offers a framework for assessing the respective contributions of nature and of nurture by advancing a means for measuring genetic and cultural influences upon inheritance which supports the conclusion that evolving patterns of behavior do not always maximize inclusive fitness contrary to what socio biologists have claimed The influence of culture upon genetic evolution of course can be adequately appraised only when a suitable account of culture itself has been found a desideratum Smillie attempts to satisfy by utilizing the notion of cinfo as culturally transmitted ecological informa tion a resource other species tend not to exploit

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The Sociobiological Imagination Mary Maxwell, 1991-01-01 This book presents reports on the

uses of sociobiology and general evolutionary theory by members of diverse disciplines psychiatry law management theory anthropology economics primatology history political science ethical philosophy cognitive psychology epistemology socioecology of religion studies of conflict Marxist thought aesthetics sociology linguistics and psychology The purpose of the book is threefold to acknowledge the remarkably wide influence of a central idea to demonstrate that the research of human sociobiology takes place in disparate fields and to introduce the major principles of sociobiology There are many surprises to be found in these pages not least the psychiatrist's new look at anxiety the management theorist's explanation for the success of Japanese firms the Soviet philosopher's report on sociobiology in the U S S R the explanation given for the keeping of harems in ancient kingdoms and the economist's view as to why people care if a bargain price is really a fair price all cast in sociobiological terms Evolutionary Epistemology and its Implications for Humankind Franz M. Wuketits, 1990-01-01

This book aims to outline the scientific biological foundations of evolutionary epistemology and to discuss its implications for humankind Wuketits covers all aspects of evolutionary epistemology including its empirical foundations and its philosophical and anthropological consequences providing an accessible introduction with a minimum of jargon *Handbook of Epistemology* I. Niiniluoto, Matti Sintonen, Jan Wolenski, 2004-03-31 Epistemology or theory of knowledge has always been one of the most important if not the most important field of philosophy New arguments are constantly brought to bear on old views new variants are marshalled to revive ancient stands new concepts and distinctions increase the sophistication of epistemological theories There are a great many excellent textbooks monographs as well as anthologies consisting of articles in epistemology Similarly there are useful philosophical dictionaries which contain a great number of relatively short entries and general philosophical handbooks which also touch epistemological issues This volume of 27 essays grew out from the interest to see a handbook which is devoted entirely to the historical roots and systematic development of theory of knowledge It is not intended to compete but to supplement the already existing literature It aims at giving both beginners and more advanced students as well as professionals in epistemology and other areas of philosophy an overview of the central problems and solutions of epistemology The essays are self contained and still often rather extensive discussions of the chosen aspects of knowledge The contributions presuppose very little familiarity with previous literature and only a few of them require the mastery of even elementary logical notation This we hope makes the volume also accessible to the philosophically interested wider audience The contributors were asked to provide substantial up to date self contained and balanced surveys of the various subareas and more specific topics of epistemology with reference to literature

Contemporary Debates in Philosophy of Biology Francisco J. Ayala, Robert Arp, 2009-12-07 This collection of specially commissioned essays puts top scholars head to head to debate the central issues in the lively and fast growing field of philosophy of biology Brings together original essays on ten of the most hotly debated questions in philosophy of biology Lively head to head debate format sharply defines the issues and paves the way for further discussion Includes coverage of

the new and vital area of evolutionary developmental biology as well as the concept of a unified species the role of genes in selection the differences between micro and macro evolution and much more Each section features an introduction to the topic as well as suggestions for further reading Offers an accessible overview of this fast growing and dynamic field whilst also capturing the imagination of professional philosophers and biologists

The Biology and Psychology of Moral Agency William Andrew Rottschaefer, 1998 Brings findings and theories in biology and psychology to bear on ethics

Evolutionary Epistemology W. Callebaut, R. Pinxten, 2012-12-06 This volume has its already distant origin in an international conference on Evolutionary Epistemology the editors organized at the University of Ghent in November 1984 This conference aimed to follow up the endeavor started at the ERISS Epistemologically Relevant Internalist Sociology of Science conference organized by Don Campbell and Alex Rosenberg at Cazenovia Lake New York in June 1981 whilst injecting the gist of certain current continental intellectual developments into a debate whose focus we thought was in danger of being narrowed too much considering the still underdeveloped state of affairs in the field Broadly speaking evolutionary epistemology today consists of two interrelated yet qualitatively distinct investigative efforts Both are drawing on Darwinian concepts which may explain why many people have failed to discriminate them One is the study of the evolution of the cognitive apparatus of living organisms which is first and foremost the province of biologists and psychologists H C Plotkin *Ed Learning Development and Culture Essays in Evolutionary Epistemology* New York Wiley 1984 although quite a few philosophers professional or vocational have also felt the need to express themselves on this vast subject F M Wuketits *Ed Concepts and Approaches in Evolutionary Epistemology* Dordrecht Boston Reidel 1984 The other approach deals with the evolution of science and has been dominated hitherto by allegedly naturalized philosophers no book length survey of this literature is available at present

Philosophy of Biology Today Michael Ruse, 1988-10-21 This short and highly accessible volume opens up the subject of the philosophy of biology to professionals and to students in both disciplines The text covers briefly and clearly all of the pertinent topics in the subject dealing with both human and non human issues and quite uniquely surveying not only scholars in the English speaking world but others elsewhere including the Eastern block As molecular biologists peer ever more deeply into life's mysteries there are those who fear that such reductionism conceals more than it reveals and there are those who complain that the new techniques threaten the physical safety of us all As students of evolution apply their new found understanding to our own species some people think that this is merely an excuse for racist and sexist propaganda and others worry that the whole exercise blatantly violates the religious beliefs many of us hold dear These controversies are the joint concern of biologists and philosophers of those whose task it is to study the theoretical and moral foundations of knowledge The comprehensive and fully up to date bibliography makes this an invaluable and indispensable guide

Biological Complexity and Integrative Pluralism Sandra D. Mitchell, 2003-09-15 This fine collection of essays by a leading philosopher of science presents a defense of integrative pluralism as the best

description for the complexity of scientific inquiry today The tendency of some scientists to unify science by reducing all theories to a few fundamental laws of the most basic particles that populate our universe is ill suited to the biological sciences which study multi component multi level evolved complex systems This book will be of interest to students and professionals in the philosophy of science *Self-organization and Emergence in Life Sciences* Bernard Feltz, Marc Crommelinck, Philippe Goujon, 2006-07-10 Self organization constitutes one of the most important theoretical debates in contemporary life sciences The present book explores the relevance of the concept of self organization and its impact on such scientific fields as immunology neurosciences ecology and theories of evolution Historical aspects of the issue are also broached Intuitions relative to self organization can be found in the works of such key western philosophical figures as Aristotle Leibniz and Kant Interacting with more recent authors and cybernetics self organization represents a notion in keeping with the modern world s discovery of radical complexity The themes of teleology and emergence are analyzed by philosophers of sciences with regards to the issues of modelization and scientific explanation The implications of self organization for life sciences are here approached from an interdisciplinary angle revealing the notion as already rewarding and full of promise for the future Idealization XII: Correcting the Model ,2016-08-01 The principal task of the book series Poznan Studies in the Philosophy of the Sciences and the Humanities is to promote those developments in philosophy that respect the tradition of great philosophical ideas on the one hand and the manner of philosophical thinking introduced by analytical philosophy on the other The aim is to contribute to practicing philosophy as deep as Marxism and as caring about justification as positivism **Methodology, Metaphysics and the History of Science** Robert S. Cohen, Marx W. Wartofsky, 2012-12-06 This selection of papers that were presented or nearly so to the Boston Colloquium for the Philosophy of Science during the seventies fairly re presents some of the most disturbing issues of scientific knowledge in these years To the distant observer it may seem that the defense of rational standards objective reference methodical self correction even the distin guishing of the foolish from the sensible and the truth seeking from the ideological has nearly collapsed In fact the defense may be seen to have shifted the knowledge business came under scrutiny decades ago and indeed from the time of Francis Bacon and even far earlier the practicality of the discovery of knowledge was either hailed or lamented So the defense may be founded on the premise that science may yet be liberating In that case the analysis of philosophical issues expands to embrace issues of social interest and social function of instrumentality and arbitrary perspective of biological constraints upon knowledge as well as upon the species wide behavior of human beings in other relationships too of distortions due to explanatory metaphors and imposed categories and of radical comparisons among the perspectives of different civilizations Some of our contributors are frankly programmatic showing how problems must be formulated afresh how evasions must be identified and omissions rectified but they do not reach their own completion The Blackwell Dictionary of Western Philosophy Nicholas Bunnin, Jiyuan Yu, 2009-01-27 The Blackwell Dictionary of Western Philosophy The

Blackwell Dictionary of Western Philosophy The style is fresh and engaging and it gives a broad and accurate picture of the western philosophical tradition It is a pleasure to browse in even if one is not looking for an answer to a particular question David Pears Its entries manage to avoid the obscurities of an exaggerated brevity without stretching themselves out as if seeking to embody whole miniature essays In short it presents itself as a model of clarity and clarification Alan Montefiore

Philosophy, Mind, and Cognitive Inquiry David J. Cole, J.H. Fetzer, T.L. Rankin, 2012-12-06 This series will include monographs and collections of studies devoted to the investigation and exploration of knowledge information and data processing systems of all kinds no matter whether human other animal or machine Its scope is intended to span the full range of interests from classical problems in the philosophy of mind and philosophical psychology through issues in cognitive psychology and sociobiology concerning the mental capabilities of other species to ideas related to artificial intelligence and computer science While primary emphasis will be placed upon theoretical conceptual and epistemological aspects of these problems and domains empirical experimental and methodological studies will also appear from time to time No problem within the field of cognitive inquiry is more difficult than that of developing an adequate conception of the nature of mind and of its mode of operation Our purpose in compiling the present volume has been to contribute to the pursuit of this objective by bringing together a representative cross section of the principal approaches and the primary players who are engaged in contemporary debate on these crucial issues The book begins with a comprehensive introduction composed by David Cole the senior editor of this work which provides a background for understanding the major problems and alternative solutions and ends with a selected bibliography intended to promote further research If our efforts assist others in dealing with these issues they will have been worthwhile J H F David J Cole et al eds *Philosophy Mind and Cognitive Inquiry* ix *Science and Comparative Philosophy* Shaner, Nagatomo, Yuasa Yasuo, 2024-02-26 *The Blackwell Guide to the Philosophy of Science* Peter Machamer, Michael Silberstein, 2008-04-15 This volume presents a definitive introduction to the core areas of philosophy of science *Encyclopedia of Philosophy and the Social Sciences* Byron Kaldis, 2013-04-02 The entries in this encyclopedia give readers an opportunity to explore interconnections clarify commonalities as well as differences or comparative contrasts discover new fields or ideas of intellectual interest explore adjacent conceptual zones that may be found to further expand their own disciplinary domains and also understand better their own academic areas of expertise and the historical provenance of each p xxxi The Shorter Routledge Encyclopedia of Philosophy Edward Craig, 2005-11-29 The Shorter REP presents the very best of the acclaimed ten volume Routledge Encyclopedia of Philosophy in a single volume It makes a selection of the most important entries available for the first time and covers all you need to know about philosophy from Aristotle to Wittgenstein and animals and ethics to scientific method Comprising over 900 entries and covering the major philosophers and philosophical topics The Shorter REP includes the following special features Unrivalled coverage of major philosophers themes movements and periods making the volume indispensable for any student or general reader Fully

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The Problem of Rationality in Science and its Philosophy J. Misiek, 2012-12-06 Rationality of science was the topic of two conferences held in 1988 and 1989 organized by the Department of Philosophy of Science Institute of Philosophy Jagiellonian University Both conferences included a small group of invited speakers This book contains a selection of papers presented there It is intended mainly for specialists in the philosophy of science and scientists interested in philosophy Students and especially postgraduate students would also benefit from reading it The first conference Popper Polanyi and the Notion of Rationality was held from 1 to 5 October 1988 in Janowice The second conference The Aim and Rationality of Science was held in Cracow at the Jagiellonian University from 4 to 10 June 1989 The topics of both conferences were inspired by our late friend Dr Tomasz Kocowski who many years earlier invited me and my colleagues from the Department to participate in research concerning the problem of creativity and serve him and other psychologists as methodological advisors Personal contacts with this intelligent and inquisitive man helped us to realize that we could not fulfill our task while adhering to the received view in the philosophy of science This experience helped us to see science not only as scientific knowledge but also as a process of research We then turned our attention to Michael Polanyi who seemed to provide the philosophy we were looking for

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