

Textbook Of Modern Biology

Essentials Of Modern Biology Textbook of Modern Biology The Social Meaning of Modern Biology Science as a Way of Knowing Essentials of Modern Biology Modern Biology and Natural Theology The Social Impact of Modern Biology Essentials of Modern Biology The Social Meaning of Modern Biology The Experimental Basis of Modern Biology Philosophical Problems of Modern Biology Modern Biology at a Glance Principles of Modern Biology Concepts of modern biology series The Experimental Basis of Modern Biology Modern Biology Series Principles of Modern Biology Chance and Necessity Trends of Modern Biology R. C. Sobi Nason Howard L. Kaye John Alexander Moore Alvin Nason V. B. Rastogi Alan Olding Watson Fuller Alvin Nason Howard Kaye J. A. Ramsay Jan Kamarýt Maurice Bleifeld Douglas Marsland James Arthur Ramsay MODERN BIOLOGY SERIES. Douglas Marsland Jacques Monod Raymond Pearl

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a concise introduction to modern biology covering molecular biology genetics and biotechnology perfect for students and educators clear and well structured

science was not always the dominant way of knowing as we see in this spirited exploration of how human beings over the millennia have sought to understand the phenomena of life central to the puzzle are several questions how did living matter arise and how does it reproduce itself how does life develop from a single cell into a complex organism and how did the vast variety of species we see around us and those long extinct come to be one of the intellectual wonders of our time has been biologists gradual untangling of these great mysteries beginning with the investigations of aristotle and the greeks continuing through the experiments and theories of darwin and his contemporaries and culminating in the researches of geneticists developmental biologists paleontologists and other specialists in the twentieth century for more than twenty years john moore has taught biology instructors how to teach biology by emphasizing the questions people have asked about life through the ages and the ways natural philosophers and scientists have sought the answers this book makes moore s uncommon wisdom available to the general reader in a lively and richly illustrated account of the history and workings of life employing a breadth of rhetorical strategies including vividly written case histories hypotheses and deductions and chronological narrative science as a way of knowing provides not only a cultural history of biology but also a splendid introduction to the procedures and values of science this book s interpretive nontechnical approach to the sciences of life will delight and inform anyone curious about what we knew and when we knew it it is

indispensable reading for the nonspecialist seeking a deeper understanding of how modern molecular biology, ecology and biotechnology came to be

this work re-opens a controversial subject by calling into question how well theological views of human nature stand up to the discoveries of modern science. Alan Olding explores the question of whether the argument for the existence of God is fatally undermined emphasizing the metaphysical implications of biology, modern biology and natural theology. It takes up issues currently of concern to many thinkers, particularly those interested in the impact of Darwinism on natural theology. This book will interest not only professional workers in the fields of philosophy of biology and philosophy of religion and theology but also students and laypersons and is bound to provoke further debate on this controversial subject. This title is available in ebook format. Click here for more information. Visit our ebookstore at ebookstore.tandf.co.uk

The Social Meaning of Modern Biology analyzes the cultural significance of recurring attempts since the time of Darwin to extract social and moral guidance from the teachings of modern biology. Such efforts are often dismissed as ideological defenses of the social status quo of the sort wrongly associated with nineteenth century social Darwinism. Howard Kaye argues they are more properly viewed as culturally radical attempts to redefine who we are by nature and thus rethink how we should live despite the scientific and philosophical weaknesses of arguments that biology is destiny and their dehumanizing potential. In recent years they have proven to be powerfully attractive; they will continue to be so in an age enthralled by genetic explanations of human experience and excited by the prospect of its biological control. In the ten years since the original edition of *The Social Meaning of Modern Biology* was published, changes in both science and society have altered the terms of debate over the nature of man and human culture. Kaye's epilogue thoroughly examines these changes. He discusses the remarkable growth of ethology and sociobiology in their study of animal and human behavior and the stunning progress achieved in neuropsychology and behavioral genetics. These developments may appear to bring us closer to long sought explanations of our physical, mental and behavioral machinery. Yet as Kaye demonstrates, attempts to use such explanations to unify the natural and social sciences are mired in self-contradictory accounts of human freedom and moral choice. *The Social Meaning of Modern Biology* remains a significant study in the field of sociobiology and is essential reading for sociobiologists, biologists, behavioral geneticists and psychologists.

a philosophical statement whose explicit intention is to sweep away as both false and dangerous the animist conception of man that has dominated virtually all western world views from those of primitive cultures to those of dialectical materialists. Monod bases his argument on the evidence of modern biology which shows indisputably that man is the product of chance genetic mutation. He draws upon what we now know about genetic structure and on what we can theorize to suggest an entirely new way of looking at ourselves. He argues that objective scientific knowledge, the only knowledge we can rely on, denies the concepts of destiny or evolutionary purpose that underlie traditional philosophies and he contends that the persistence of those concepts is responsible for the intensifying schizophrenia of a world that accepts and lives by the fruits of science while refusing to face its momentous moral implications. *From Publisher Description*

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