

# Abusing Science The Case Against Creationism Paperback

Abusing Science The Scientific Case Against Scientific Creationism The Creationists Is God a Creationist? Is God a Creationist? Evolution Fallacies of Creationism Confronting Creationism The Creationist Movement in Modern America Cult Archaeology & Creationism Dictionary of Science and Creationism Creationism Vs. Evolution Creation Compromises Library Literature The Creation/Evolution Controversy The Review of Metaphysics Religion and American Culture The Evolution Controversy in America Annual Review of Anthropology Memorandum to Liaisons for Committees of Correspondence Philip Kitcher Jon P. Alston Ronald L. Numbers Roland Mushat Frye Roland Mushat Frye Donald R. Prothero Willard Alexander Young D. R. Selkirk Raymond A. Eve Francis B. Harrold Ronald L. Ecker Bruno Leone Bert Thompson Jane A. Hannigan Kary D. Smout George Ernest Webb Abusing Science The Scientific Case Against Scientific Creationism The Creationists Is God a Creationist? Is God a Creationist? Evolution Fallacies of Creationism Confronting Creationism The Creationist Movement in Modern America Cult Archaeology & Creationism Dictionary of Science and Creationism Creationism Vs. Evolution Creation Compromises Library Literature The Creation/Evolution Controversy The Review of Metaphysics Religion and American Culture The Evolution Controversy in America Annual Review of Anthropology Memorandum to Liaisons for Committees of Correspondence Philip Kitcher Jon P. Alston Ronald L. Numbers Roland Mushat Frye Roland Mushat Frye Donald R. Prothero Willard Alexander Young D. R. Selkirk Raymond A. Eve Francis B. Harrold Ronald L. Ecker Bruno Leone Bert Thompson Jane A. Hannigan Kary D. Smout George Ernest Webb

abusing science is a manual for intellectual self defense the most complete available for presenting the case against creationist pseudo science it is also a lucid exposition of the nature and methods of genuine science the book begins with a concise introduction to evolutionary theory for non scientists and closes with a rebuttal of the charge that this theory undermines religious and moral values it will astonish many readers that this case must still be made in the 1980s but since it must philip kitcher makes it irresistibly and forcefully not long ago a federal court struck down an arkansas law requiring that scientific creationism be taught in high school science classes contemporary creationists may have lost one legal battle but their

cause continues to thrive their efforts are directed not only at state legislatures but at local school boards and textbook publishers as kitcher argues in this rigorous but highly readable book the integrity of science is under attack the methods of inquiry used in evolutionary biology are those which are used throughout the sciences moreover modern biology is intertwined with other fields of science physics chemistry astronomy and geology creationists hope to persuade the public that education in science should be torn apart to make room for a literal reading of genesis abusing science refutes the popular complaint that the scientific establishment is dogmatic and intolerant denying academic freedom to the unorthodox it examines creationist claims seriously and systematically one by one showing clearly just why they are at best misguided at worst ludicrous

sociologist jon p alston offers a unique and clear analysis of the weaknesses of scientific creationism and intelligent design by identifying what creationists say when they reject evidence for evolution he demonstrates how scientific creationists accept non scientific statements that contradict established scientific knowledge acceptance of anti evolutionary knowledge also demands acceptance of a literal six day creation and other statements contradicting scientific findings few persons have read so closely the writings of scientific creationists to illustrate how anti scientific anti evolutionists become when they criticize the fact of evolution creationists are forced to develop just so stories to defend their literal interpretations of biblical scripture alston finds creationists cannot defend their religious beliefs using established scientific methodologies and principles

forty seven percent of the american people according to a 1991 gallup poll believe that god made man as man is now in a single act of creation and within the last ten thousand years ronald l numbers chronicles the astonishing resurgence of this belief since the 1960s as well as the creationist movement's tangled roots in the theologies of late nineteenth and early twentieth century baptists presbyterians lutherans adventists and other religious groups even more remarkable than numbers's story of today's widespread rejection of the theory of evolution is the dramatic shift from acceptance of the earth's antiquity to the insistence of present day scientific creationists that most fossils date back to noah's flood and its aftermath and that the earth itself is not more than ten thousand years old numbers traces the evolution of scientific creationism and shows how the creationist movement challenges the very meaning of science

essays by protestant catholic and jewish religious leaders and writers dispute the religious basis for the fundamental concepts of creation science

over the past twenty years paleontologists have made tremendous fossil discoveries including fossils that mark the growth of whales manatees and seals from land mammals and the origins of elephants horses and rhinos today there exists an amazing diversity of fossil humans suggesting we walked upright long before we acquired large brains and new evidence from molecules that enable scientists to decipher the tree of life as never before the fossil record is now one of the strongest lines of evidence for evolution in this engaging and richly illustrated book donald r prothero weaves an entertaining though intellectually rigorous history out of the transitional forms and series that dot the fossil record beginning with a brief discussion of the nature of science and the monkey business of creationism prothero tackles subjects ranging from flood geology and rock dating to neo darwinism and macroevolution he covers the ingredients of the primordial soup the effects of communal living invertebrate transitions the development of the backbone the reign of the dinosaurs the mammalian explosion and the leap from chimpanzee to human prothero pays particular attention to the recent discovery of missing links that complete the fossil timeline and details the debate between biologists over the mechanisms driving the evolutionary process evolution is an absorbing combination of firsthand observation scientific discovery and trenchant analysis with the teaching of evolution still an issue there couldn't be a better moment for a book clarifying the nature and value of fossil evidence widely recognized as a leading expert in his field prothero demonstrates that the transformation of life on this planet is far more awe inspiring than the narrow view of extremists

expansion of the proceedings of the symposium in defence of science

defines the creationist viewpoint and profiles its various factions

understanding why this should be so and how we as a society might deal with these widespread pseudoscientific beliefs are the subjects at the heart of this study

this user friendly reference work was written to explain the creationism evolution controversy in an easy to understand manner using a dictionary format ronald l ecker outlines both sides in concise nontechnical language presenting all major scientific concepts that relate to evolutionary theory and using that information to show the pseudoscientific nature of scientific creationism under each entry the pertinent evidence for evolution is succinctly presented as are the reasons creationist arguments in that area have no scientific validity the articles are cross referenced and indexed to improve accessibility intended for

general readers as well as educators and professionals this authoritative volume provides all the scientific facts needed to refute the claims of creationism

primary and secondary sources help explore both sides of the issue of creationism and evolution

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this rhetorical study of the various language strategies and competing worldviews involved in the 140 year argument between biblical creationists and darwinian evolutionists focuses on the 1860 huxley wilberforce debate the 1925 scopes monkey trial and the 1981 arkansas creation science trial when darwin published his origins of species in 1859 he initiated a debate about the origin of human life and the role of god in human affairs scarcely equalled in world history smout traces the response of biblical creationists to darwinian evolutionists looking carefully at the stories told and the tactics used by both sides he analyzes all available accounts of the original debate culminating in the 1860 huxley wilberforce debate the 1925 scopes monkey trial and the 1981 arkansas creation science trial professor smout argues that both sides in the controversy use various language strategies to persuade the culture as a whole to see the world that they see and to enact their position as public policy as smout illustrates the problem is that both sides rely on an inadequate conception of language as a namer of timeless realities rather than as an instrument used by human communities to achieve their goals he attempts to articulate a better view of language and to show how it might help solve intractable arguments such as this he argues that we should see language as a tool that shapes what we see and definitions of terms as political acts rather than statements of fact made by disciplinary experts an important analysis for students and scholars in rhetoric history religion and sociology

for well over a century the united states has witnessed a prolonged debate over organic evolution and teaching of the theory in the nation's public schools the controversy that began with the publication of darwin's origin of species had by the 1920's expanded to include theologians politicians and educators the scopes trial of 1925 provided the growing antievolution movement with significant publicity and led to a decline in the teaching of evolution in public schools george e webb details how efforts to improve science education in the wake of sputnik resurrected antievolution sentiment and led to the emergence of creation science as the most recent expression of that sentiment creationists continue to demand balanced treatment of theories of creation and evolution in public schools even though their efforts have been declared unconstitutional in a series of federal court

cases their battles have been much more successful at the grassroots level garnering support from local politicians and educators webb attributes the success of creationists primarily to the lack of scientific literacy among the american public although a number of published studies have dealt with specific aspects of the debate the evolution controversy in america represents the first complete historical survey of the topic in it webb provides an analysis of one of the most intriguing debates in the history of american thought

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