

SCIENCE UNDER SIEGE?

INTEREST GROUPS AND THE SCIENCE WARS



Leon E. Trachtman and Robert Perrucci

Science Under Siege Interest Groups And The Science Wars

Richard E Lee Jr, Immanuel Wallerstein



Science Under Siege Interest Groups And The Science Wars:

Science Under Siege? Leon E. Trachtman, Robert Perrucci, 2000-07-26 The combative metaphor of Oscience warsO has taken on a predominant position within the collective conscious from being featured on the programs of scientific meetings to being splashed across the pages of leading national magazines and newspapers Some in the scientific community perceive their profession to be under siege by members of the academic left radical environmentalists religious fundamentalists eco feminists and others This book based on in depth interviews with sixty members of groups with alleged Oanti scienceO attitudes examines how pervasive and uniform these critiques are The research is designed to examine two conflicting hypotheses 1 that anti science attitudes reflect a general cynicism about all major social institutions and 2 that anti science views are not broadly based but are reflective instead of the particular interests of a given social grouping In the final analysis Perrucci and Trachtman dig at the root of the so called Oscience warsO by presenting evidence that the wars are not the product of an overarching suspicion of the institutions at the core of our society but are instead the product of organized interest groups which shape the attitudes and beliefs of their respective members *Science Under Siege?* Leon E. Trachtman, Robert Perrucci, 2000 The combative metaphor of Oscience warsO has taken on a predominant position within the collective conscious from being featured on the programs of scientific meetings to being splashed across the pages of leading national magazines and newspapers Some in the scientific community perceive their profession to be under siege by members of the academic left radical environmentalists religious fundamentalists eco feminists and others This book based on in depth interviews with sixty members of groups with alleged Oanti scienceO attitudes examines how pervasive and uniform these critiques are The research is designed to examine two conflicting hypotheses 1 that anti science attitudes reflect a general cynicism about all major social institutions and 2 that anti science views are not broadly based but are reflective instead of the particular interests of a given social grouping In the final analysis Perrucci and Trachtman dig at the root of the so called Oscience warsO by presenting evidence that the wars are not the product of an overarching suspicion of the institutions at the core of our society but are instead the product of organized interest groups which shape the attitudes and beliefs of their respective members *Science Under Siege* Kendrick Frazier, *Science Under Siege* is a welcome antidote to the profound science illiteracy that today permeates American pop culture and the press NEIL deGRASSE TYSON Astrophysicist and author of *The Sky Is Not the Limit* and *The Pluto Files* An entertaining and eye opening collection of essays that advance the battle against ignorance and superstition STEVEN PINKER Harvard College Professor of Psychology Harvard University Author of *How the Mind Works* and *The Stuff of Thought* For more than thirty years *The Skeptical Inquirer* has steadfastly championed science and reason and been the leading voice for reliable scientific examination of the paranormal and other questionable claims popularized by the media and mass culture In this new collection of outstanding recent articles editor Kendrick Frazier has selected some of the best writing on topics of current interest Among the

highlights are A Skeptical Look at September 11th which prompted a drove of responses many angry and was selected by Richard Dawkins for the Best Science and Nature Writing of 2003 Carl Sagan s final question and answer piece on the topic of science and skeptical inquiry Ann Druyan s beautifully expressed Science Religion Wonder and Awe NASA scientist Stuart Jordan s excellent appraisal of the scientific evidence for global warming which prompted much critical response and led to another follow up article Five articles on the evolution vs intelligent design controversy Two physicians articles that strongly defend the value of vaccinations and critique the anti vaccination movement Other distinguished contributors include Mario Bunge Martin Gardner Ray Hyman Paul Kurtz Chris Mooney Joe Nickell Stephen Pinker and many others This excellent collection of stimulating articles exploring science and skeptical inquiry public controversies and investigating pseudoscientific claims is a must for scientists educators skeptics and everyone concerned about scientific literacy Kendrick Frazier Albuquerque NM is editor of the Skeptical Inquirer former editor of Science News and the editor of four previous collections including Encounters with the Paranormal and Science Confronts the Paranormal He is a fellow of the American Association for the Advancement of Science

Empirical Nursing Bernie Garrett, 2018-10-26 This book presents a novel approach to understanding the science and art of nursing that underpins evidence based practice It explores the foundational philosophical principles of nursing in an accessible manner to enable readers to grasp the key arguments behind empirical nursing and why it is important for nurses to understand it

Scientific Method in Practice Hugh G. Gauch, 2003 As the gateway to scientific thinking an understanding of the scientific method is essential for success and productivity in science This book is the first synthesis of the practice and the philosophy of the scientific method It will enable scientists to be better scientists by offering them a deeper understanding of the underpinnings of the scientific method thereby leading to more productive research and experimentation It will also give scientists a more accurate perspective on the rationality of the scientific approach and its role in society Beginning with a discussion of today s science wars and science s presuppositions the book then explores deductive and inductive logic probability statistics and parsimony and concludes with an examination of science s powers and limits and a look at science education Topics relevant to a variety of disciplines are treated and clarifying figures case studies and chapter summaries enhance the pedagogy This adeptly executed comprehensive yet pragmatic work yields a new synergy suitable for scientists and instructors and graduate students and advanced undergraduates

Food Biotechnology in Ethical Perspective Paul B. Thompson, 2007-05-05 Agrifood biotechnology the genetic transformation of plants and animals through recombinant means has created controversy in the food system for more than twenty years This thoroughly revised and amended edition of Paul B Thompson s path breaking study of ethical and philosophical issues raised by this technology up to date The original 1997 edition was the first book length treatment by a philosopher to focus on food and agricultural biotechnology covering ethical issues associated with risk assessment labelling animal transformation patents and the impact of biotechnology on traditional farming communities in both the

developed and developing world The new edition reflects lessons from the hotly contested debates over those issues in the intervening decade and includes wholly new discussions on ethical issues associated with livestock cloning the Precautionary Principle and the transatlantic debate between United States and European perspectives on biotechnology Thompson s unique and insightful approach to addressing the risks and questions of public acceptability associated with novel technology stands as a model for anyone interested in technological innovation and social change The book should be of interest to scholars and citizens interested in the Internet or nanotechnology while it remains an essential resource for understanding the twists and turns of debate over the role of molecular genetics in the transformation of the global food system

Overcoming the Two Cultures Richard E Lee Jr,Immanuel Wallerstein,2015-12-03 This book tells the story of how the very idea of two cultures the so called divorce between science and the humanities was a creation of the modern world system The contributors working from a common research framework trace the divorce of facts and values as part of the transition from feudalism to capitalism This led to a polarization between universalist science and the particularist humanities and finally to the creation of the social sciences as an uneasy intermediary in this epistemological debate The book addresses the contemporary attempts to overcome the division between the two cultures that emerge from science feminism race and ethnic studies cultural studies and ecology ending with an analysis of the culture wars and the science wars Contributors Volkan Aydar Ay se Betul Celik Mauro Di Meglio Mark Frezzo Ho fung Hung Biray Kolloupglu K3 4rl3 4 Agustin Lao Montes Eric Mielants Boris Stremlin Sunaryo Norihisa Yamashita Deniz Yukeseker Knowledge Matters Richard E. Lee,2017-07-05 Economic changes and political changes which emerged with the modern capitalist world economy were accompanied in the sociocultural domain by changes in the structures of knowledge These included the hierarchical separation of the realm of facts from that of values institutionalized as a division between the sciences and the humanities The social sciences responded to contradictions inherent in this structure over the nineteenth century in producing knowledge on which policy decisions could be based The problems of the contemporary period indicate we are in a long term structural crisis Nowhere is this more apparent than in the theoretical frameworks and methodological approaches through which social analysts and observers alike seek to understand the world Since the 1960s developments in the field of knowledge especially two movements complexity studies in the natural sciences and cultural studies in the humanities have contested the naturalized essentialist boundaries separating the sciences the social sciences and the humanities The primary rationale for this work is to recognize the inseparable whole composed of the material structures of the world and the structures of knowledge that govern what actions may be deemed legitimate and effective Knowledge Matters discusses what actions will actually be undertaken by social agents and what such an approach means for an analysis of the present situation in terms of imagining and evaluating possible futures *Cognitive Justice in a Global World* Boaventura de Sousa Santos,2007-01-01 The book s main argument is that global social injustice is by and large epistemological injustice It

maintains that there can be no global social justice without global cognitive justice

Understanding Emotions in

Post-Factual Politics Anna Durnová, 2019 p p1 margin 0 0px 0 0px 0 0px 0 0px font 10 0px Arial Post factual politics has united scientists and civil society in a public defence of truth however the battle may already have been lost to a binarity of facts and emotions Analysing and comparing scientists protests against the Trump presidency with famous scientific controversies in modern medicine this innovative book redefines truth as a negotiation in public discourse between the interplay of values beliefs and facts It shows that in order to understand post factual politics we must unveil emotion s role in knowledge making

Unveiling the Power of Verbal Art: An Psychological Sojourn through **Science Under Siege Interest Groups And The Science Wars**

In a global inundated with displays and the cacophony of quick connection, the profound energy and mental resonance of verbal beauty usually disappear in to obscurity, eclipsed by the continuous onslaught of sound and distractions. However, set within the musical pages of **Science Under Siege Interest Groups And The Science Wars**, a interesting function of literary brilliance that pulses with organic emotions, lies an wonderful journey waiting to be embarked upon. Composed by a virtuoso wordsmith, that interesting opus guides readers on a psychological odyssey, gently exposing the latent possible and profound impact stuck within the complex internet of language. Within the heart-wrenching expanse with this evocative examination, we will embark upon an introspective exploration of the book is central themes, dissect its interesting writing model, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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