

**Liora Salter**

# **MANDATED SCIENCE**

**Science and Scientists  
in the Making of Standards**

**Kluwer Academic Publishers**

# Mandated Science

**Jeanne X. Kasperson, Roger E.  
Kasperson**



## **Mandated Science:**

Mandated Science: Science and Scientists in the Making of Standards L. Salter, W. Leiss, Edwin Levy, 2012-12-06 For a long time I would not eat strawberries In 1977 a scandal broke about a testing laboratory having falsified the data that was used to register a large number of pesticides The Canadian government along with several others began the process of re evaluating both the procedures for testing and these specific chemicals One chemical proved particularly controversial the commonly used pesticide named captan In light of the controversy which was manifest in a conflict between two government departments in 1981 the Canadian government chose to appoint a special panel of experts to advise them I was a member of this expert committee The experience on the captan committee did little to reassure me either about captan or about the way that decisions had been made about many pesticides in widespread use Although it could not be demonstrated that captan was dangerous to people in the amounts to which they would likely be exposed the animal studies provided the basis for concern Prudence required at the very least that consumers take the precaution of washing their fruit for captan is widely used on apples cherries and berry fruits Captan residues wash off apples relatively easily they are less easily removed from berry fruits such as straw berries

*Ideas Under Fire* Jonathan Lavery, Louis Groarke, William Sweet, 2013 Since Aristotle's famous declaration that the speculative sciences originated with the emergence of a leisure class it has been accepted as a truism that intellectual activity requires political stability and leisure in order to flourish Paradoxically however some of the most powerful and influential contributions to Western intellectual culture have been produced in conditions that were adverse indeed hostile to intellectual activity Examples include Socrates stirring defense of the examined life before a hostile Athenian jury Boethius writing *The Consolation of Philosophy* under the specter of impending torture and execution Galileo devising key notions for modern mechanics while under house arrest and Jean Paul Sartre drafting portions of *Being and Nothingness* in his war diaries to name only a few of the most famous incidents all extraordinary achievements spawned developed or completed in adversity In cases such as these a philosopher or scientist must manage somehow to remain intellectually creative and focused despite living in conditions that are adverse or hostile to thought In brief they are working on ideas under fire This book is a survey of several momentous cases of philosophers and scientists working under fire Each chapter of *Ideas Under Fire* explores a particular case or set of related cases For each case contributors consider two questions How did the individual at the center of a particular moment of discovery overcome such formidable obstacles to leisure and conceptually abstract thought And how did adversity shape their thinking under fire Each chapter has been written by a specialist on its respective subject and the book covers every period of Western history All the chapters are written in an accessible style that is intended to appeal to both specialists and generalists

**Harold Innis in the New Century** William Buxton, Charles R. Acland, 1999 A collection of original essays that moves beyond the prevalent view of Harold Innis as a technological determinist *Harold Innis in the New Century* brings his innovative ideas to bear upon a

variety of contemporary issues such as postmodernism liberalism gender and cultural policy

**Science, Politics and Morality** R. von Schomberg, 2013-06-29 Current environmental problems and technological risks are a challenge for a new institutional arrangement of the value spheres of Science Politics and Morality Distinguished authors from different European countries and America provide a cross disciplinary perspective on the problems of political decision making under the conditions of scientific uncertainty cases from biotechnology and the environmental sciences are discussed The papers collected for this volume address the following themes i controversies about risks and political decision making ii concepts of science for policy iii the use of social science in the policy making process iv ethical problems with developments in science and technology v public and state interests in the development and control of technology

*Risk and Responsibility* William Leiss, Christina Chociolko, 1994 Controversies over how to manage health and environmental risks are among the most bitter disagreements in contemporary society Trying to determine what is in the public interest is at the heart of these disagreements but the core concerns of major sectors industry governments and voluntary associations are also at stake In Canada and elsewhere defusing the controversies and finding solutions acceptable to all parties have met with little success Risk and Responsibility attempts to explain why this is so and what might be done about it

Representations of Nature of Science in School Science Textbooks Christine McDonald, Fouad Abd-El-Khalick, 2017-04-21 Bringing together international research on nature of science NOS representations in science textbooks the unique analyses presented in this volume provides a global perspective on NOS from elementary to college level and discusses the practical implications in various regions across the globe Contributing authors highlight the similarities and differences in NOS representations and provide recommendations for future science textbooks This comprehensive analysis is a definitive reference work for the field of science education

**Improving Science Education** John Millar, 2000-12-16 This book takes stock of where we are in science education research and considers where we ought now to be going It explores how and whether the research effort in science education has contributed to improvements in the practice of teaching science and the science curriculum It contains contributions from an international group of science educators Each chapter explores a specific area of research in science education considering why this research is worth doing and its potential for development Together they look candidly at important general issues such as the impact of research on classroom practice and the development of science education as a progressive field of research The book was produced in celebration of the work of the late Rosalind Driver All the principal contributors to the book had professional links with her and the three sections of the book focus on issues that were of central importance in her work research on teaching and learning in science the role of science within the school curriculum and the nature of the science education we ought to be providing for young people and the achievements of and future agenda for research in science education

**The World of Science Education**, 2010-01-01 Each volume in the 7 volume series The World of Science Education reviews research in a key region of the world These regions include North

America South and Latin America Asia Australia and New Zealand Europe and Israel Arab States and Sub Saharan Africa The focus of this Handbook is on science education in Asia and the scholarship that most closely supports this program The reviews of the research situate what has been accomplished within a given field in an Asian rather than an international context The purpose therefore is to articulate and exhibit regional networks and trends that produced specific forms of science education The thrust lies in identifying the roots of research programs and sketching trajectories focusing the changing face of problems and solutions within regional contexts The approach allows readers to review what has been done and accomplished what is missing and what might be done next

Science in Environmental Policy Ann Campbell Keller, 2009 In the later more structured legislative and implementation phases scientists working hard to give the appearance of neutral expertise cede the role of persuader to others

**A 50-state Survey of Initiatives in Science, Mathematics and Computer Education**, 1983

**Conflicts Between Protected Species and Fisheries** Riku Varjopuro, 2003

Philosophy of Technology P.T. Durbin, 2012-12-06 The corps of philosophers who make up the Society for Philosophy their typing and retyping of the MSS and especially notes and references also contributes to keeping our standards high

PAUL T DURBIN vii Paul T Durbin ed Philosophy of Technology p vii

**Global Environmental Risk** Jeanne X. Kasperson, Roger E. Kasperson, 2013-05-13 Despite international initiatives such as the Earth Summit in 1992 and ongoing efforts to implement the Kyoto Protocol human activities continue to register a destructive toll on the planetary environment At root research on global environmental risk seeks new pathways for reversing unsustainable trends curtailing ongoing destructive activities and creating a life sustaining planet This book takes stock of the distinctive challenges posed by global environmental risks the capacity of knowledge systems to identify and characterize such risks and the competence of human society to manage the unprecedented complexity Particular attention turns on engaging in ways conducive to enhancing social learning and adaptation the large uncertainties inherent in these risks Various chapters enlist different scales of analysis to explore the manifestation and causes of global environmental risks in all the diversity of their regional expression Throughout the editors and contributors accord prominence to the vulnerability of people and places to environmental degradation Understanding vulnerability is a neglected key to assessing the nature of the risks and determining strategies for altering trajectories of threat Global risk futures the editors argue are not intractable and are still amenable to a risk analysis enterprise that is democratic in principle humanistic in concept and geared to the realities that pertain to the particular societies locales and regions that will ultimately bear the risk

Science and Its Role in the National Marine Fisheries Service National Research Council, Division on Earth and Life Studies, Ocean Studies Board, 2002-08-31 NMFS has a difficult and complex task in managing U S marine fisheries Despite some successes too many stocks continue to decline Over the past decade several problems have been identified that have contributed to the current dissatisfaction with how marine fisheries are managed This dissatisfaction is evident from the large number of lawsuits filed by the fishing industry

and environmental organizations One central problem is overfishing Overfishing issues have been discussed in a series of NRC reports and these reports identify overcapitalization and technological and gear improvements as some of the causes The reports recommend ways to stem these problems and to advance the practice of fishery science at NMFS This report reiterates some of these recommendations and makes new recommendations to enhance the use of data and science for fisheries management

An Agenda for a Study of Government Science Policy ,1985      **Commerce, Justice, Science, and Related Agencies Appropriations for Fiscal Year 2007: Justifications: Office of Science and Technology Policy, National Science Foundation, National Aeronautics and Space Administration** United States. Congress. Senate. Committee on Appropriations. Subcommittee on Commerce, Justice, Science, and Related Agencies,2006      **Science, the Departments of State, Justice, and Commerce, and Related Agencies Appropriations for 2007** United States. Congress. House. Committee on Appropriations. Subcommittee on Science, State, Justice, and Commerce, and Related Agencies,2006      **Commerce, Justice, Science, and Related Agencies Appropriations for Fiscal Year 2007** United States. Congress. Senate. Committee on Appropriations. Subcommittee on Commerce, Justice, Science, and Related Agencies,2006      **Departments of Commerce, Justice, Science, and Related Agencies Appropriations for Fiscal Year ...** United States. Congress. Senate. Committee on Appropriations,2007      **Commerce, Justice, Science, and Related Agencies Appropriations for 2009** United States. Congress. House. Committee on Appropriations. Subcommittee on Commerce, Justice, Science, and Related Agencies,2008

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