



Scientific Technology And Social Change

Francis R. Allen



Scientific Technology And Social Change:

Rethinking Science, Technology, and Social Change Ralph Schroeder, 2022 Rethinking Science Technology and Social Change challenges the prevailing notion that science and technology are constructed or socially shaped The text puts forth a case for technological determinism based on a realistic and pragmatic account of science and technology informed by historical comparisons Schroeder begins by exploring the social organization of scientific and technological advances the intersecting trajectories of big science and technological systems and the impact of science and technology on economic change He goes on to discuss the social implications of technology including the way that it affects politics and consumption The book then rethinks traditional theories about the relationship between science technology and social change The argument presented shifts the debate on topics such as the relationship between growth and sustainability and thus has important policy implications This book will be of great interest to scholars scientists and anyone interested in understanding how science and technology are transforming our world

Science, Technology, and Social Change Diederik Aerts, Serge Gutwirth, Sonja Smets, Luk Van Langenhove, 2013-05-14 The articles collected in this volume point out that society as a whole is changing Social change is due not only to changes in technology and economy but also to the changing strategies and discourses of social scientists To what exactly will this change lead in the 21st century What kind of society lies ahead In this book the reader will find many arguments and hints pertaining to these questions She he will be confronted by a plethora of enriching conceptions of the relationships between social sciences and social changes

Technology and Social Change Francis R. Allen, 1957

Science, Technology, and Social Change (Routledge Revivals) Steven Yearley, 2014-08-01

First published in 1988 this book provides students with a way to increase their understanding of the role of science and technology in society Steven Yearley draws on and develops ideas from research in the sociology and politics of science to address in particular the nature of scientific knowledge and the authority it commands the political and economic role of science in the West the relationship between science technology and social change in underdeveloped countries Examples used range from nineteenth century brain science to the strategic defence initiative and from hugely expensive experiments in nuclear physics to proposals for inexpensive boat building programmes in the Sudan Overall this reissue provides a comprehensive and stimulating account of the role played by science and technology in contemporary social change

Science, Technology, and Social Change Steven Yearley, 1988

Science, Technology and Society Klaus-Heinrich Standke, M. Anandakrishnan, 2013-10-22 Science Technology and Society Needs Challenges and Limitations focuses on the role of science and technology in promoting development as well as its limitation in shaping the society The text outlines the contributions that this field has provided in health industries agriculture transportation and communication The book puts emphasis on the role of technologists and scientists in promoting development such as in the fields of biology and medicine The text notes the emergence of socio economic problems in the sector of food and agriculture and how these problems can

be solved by the application of agricultural technologies Case studies in this regard that is presented in this book include fish handling and distribution improving soil fertility and feed resources for animal feeding The role of science and technology in the management of water resources is noted and the problems associated with the application of science and technology to water resources development are discussed Science and technology has also played an important role in improving the quality of life in human settlements The text is a valuable source of data for scientists and technologists who aim to improve science and technology and serve the interest of mankind *Scientific Technology and Social Change* ,1959 **Science, Technology, and Society** Sal P. Restivo,2005 Emphasizing an interdisciplinary and international coverage of the functions and effects of science and technology in society and culture Science Technology and Society B contains over 130 A to Z signed articles written by major scholars and experts from academic and scientific institutions and institutes worldwide Each article is accompanied by a selected bibliography Other features include extensive cross referencing throughout a directory of contributors and an extensive topical index *Metadebates on Science* Gustaaf C. Cornelis,Sonja Smets,Jean-Paul van Bendegem,2013-11-11 How do scientists approach science Scientists sociologists and philosophers were asked to write on this intriguing problem and to display their results at the International Congress Einstein Meets Magritte The outcome of their effort can be found in this rather unique book presenting all kinds of different views on science Quantum mechanics is a discipline which deserves and receives special attention in this book mainly because it is fascinating and hence appeals to the general public This book not only contains articles on the introductory level it also provides new insights and bold even provocative proposals That way the reader gets acquainted with science in the making sitting in the front row The contributions have been written for a broad interdisciplinary audience of scholars and students *Thirty Years of Reform and Social Changes in China* Qiang Li,2010-08-03 Thirty Years of Reform and Social Changes in China is translated from the original Chinese to provide a look into how scholars in China have been assessing their country s recent societal and political history This volume and the others in the SSRC series provide western scholars with an accessible English language look at the state of current scholarship in China on the interplay of the country s political and economic reforms with the society and daily life of its people *Science, Technology, and Society* Sal Restivo,2005-05-19 Emphasizing an interdisciplinary and international coverage of the functions and effects of science and technology in society and culture Science Technology and Society contains over 130 A to Z signed articles written by major scholars and experts from academic and scientific institutions and institutes worldwide Each article is accompanied by a selected bibliography Other features include extensive cross referencing throughout a directory of contributors and an extensive topical index Science, Technology, and Development ,1962 *Technological Determinism and Social Change* Jan Servaes,2014-12-18 The aim of this book is to shed new light on this theoretically and practically significant issue and questions the role of technology and culture in social change It challenges us to reconsider and rethink the impact of new information and communication technologies on civil

society participatory democracy and digital citizenship in theoretical and methodological contributions through the analysis of specific cases in Australia Bangladesh Belgium China Colombia Kenya Netherlands and the United States Access to information and communication technologies is a necessity and the importance of access should not be trivialized but a plea for digital literacy implies recognizing that access is the beginning of ICT policies and not the end of it Digital literacy requires using the Internet and social media in socially and culturally useful ways aimed at the inclusion of everybody in the emerging information knowledge society Technology matters but people matter more **Research, Actionable**

Knowledge, and Social Change Edward P. St. John, 2023-07-03 A professional text written for social science researchers and practitioners Research Actionable Knowledge and Social Change provides strategies and frameworks for using social science research to engage in critical social and educational problem solving Combining the best practices of critical analysis and traditional research methods this professional text offers guidance for using the Action Inquiry Model AIM a transformative model that explains how to successfully conduct action oriented research in a multitude of professional service organizations The aim of the text is to encourage a new generation of research based partnerships reforms that promote equity and access for underserved populations Topics discussed include The historical precedents for universities engaged in social change The limitations of current social science theory and methods The critical empirical approach to social research The issues relating to social justice within the policy decision process The use of social research to integrate an emphasis of social justice into economic and policy decision making Research Actionable Knowledge and Social Change does not propose different foundations for social research but rather argues that it is necessary to reconsider how to work with theory and research methods to inform change This text can also be used by students enrolled in graduate and Ed D Ph D Higher Education Leadership programs and graduate programs across professional fields including K 12 public administration sociology health cultural studies organizational development and organizational theory It further offers students guidance for research design and dissertation research **Low-carbon Energy Controversies** Thomas

Roberts, Paul Upham, Sarah Mander, Carly McLachlan, Philip Boucher, Clair Gough, Dana Abi Ghanem, 2013 Governments big business and communities are coming under increased pressure to develop low carbon energy supply technologies However public opposition to the development of the siting and implementation of the technology associated infrastructure often complicates progress This is sometimes labelled the not in my backyard or NIMBY attitude an unhelpful tag as conflicts over new development between governments local authorities business and communities are generally far more complex than NIMBY theory implies Furthermore within the context of the climate change debate a delicate balance has to be reached between local environmental protection and our need for reliable low carbon energy This comprehensive book builds on over 10 years of research conducted by the Tyndall Centre for Climate Change Research and uses a range of case studies from carbon capture and storage to on shore wind farms to explore the complex nature of disputes between a wide variety of

stakeholder groups Topics covered include the importance of context the relationship between risk and trust sense of place and the role of the media An invaluable resource for researchers and readers in local or national government industry or community groups who wish to deepen their understanding of controversy around low carbon technology and how to overcome it

Science, Technology and the Ageing Society Tiago Moreira, 2016-12-19 Ageing is widely recognised as one of the social and economic challenges in the contemporary globalised world for which scientific technological and medical solutions are continuously sought This book proposes that science and technology also played a crucial role in the creation and transformation of the ageing society itself Drawing on existing work on science technology and ageing in sociology anthropology history of science geography and social gerontology Science Technology and the Ageing Society explores the complex interweaving relationship between expertise scientific and technological standards and social normatively embedded age identities Through a series of case studies focusing on older people science and technology medical research about ageing and ageing related illnesses and the role of expertise in the management of ageing populations Moreira challenges the idea that aging is a problem for the individual and society Tracing the epistemic and technological infrastructures that underpin multiple of ways of aging this timely volume is a crucial tool for undergraduate and graduate students interested in social gerontology health and social care sociology of aging science and technology studies and medical sociology

Research in Education, 1973 **Multidisciplinary Approach in Research Area (Volume-9)** Chief Editor- Biplab Auddya, Editor- Dr.M.Muthulakshmi, Viswaraju Udayabhaskar, Dr. Devimeenakshi.k., Dr. Haribhau Mahipati Borate, Ms.Saswati Jena, V Geetha, 2024-04-17

Principles of Scientific Sociology Walter Wallace, 2017-07-12 Principles of Scientific Sociology represents a major attempt to redirect the course of contemporary sociological thought It is clear well organized innovative and original in its discussion of the context and methods of sociology conceived as a natural science Wallace delineates the subject matter of sociology classifies its variables presents a logic of inquiry and advocates the use of this logic for the acceptance or rejection of hypotheses or theories and for the solving of human problems Social scientists including political scientists sociologists anthropologists historians economists social psychologists and students of social phenomena among nonhumans will find this work indispensable reading Principles of Scientific Sociology emphasizes the relationship between pure and applied sociological analysis The essential contributions of each to the other are specified Relationships between the substantive concepts of the sociology of humans on the one hand and the sociology of nonhumans on the other are systematized In an attempt to put sociological analysis on a firm scientific basis the book contains a concluding chapter focusing on central premises of natural science and their applicability to sociology Wallace identifies the simple elements and relationships that sociological analysis requires if it is to lead to an understanding of complex social phenomena On this basis he considers the substantive elements and relations that comprise structural functionalism historical materialism symbolic interactionism and other approaches to social data He develops

groundwork for standardizing these elements so that the contexts of different analyses may become rigorously comparable
The result is a fine one volume synthesis of sociological theory **Energy Abstracts for Policy Analysis** ,1984

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