

# ORGANIZING FOR SCIENCE

The Making of an Industrial  
Research Laboratory

Shiv Visvanathan

# Organizing For Science The Making Of An Industrial Research Laboratory

**Dilip Subramanian**



## **Organizing For Science The Making Of An Industrial Research Laboratory:**

**Organizing for Science** Shiv Visvanathan,1985      **Science and Empires** P. Petitjean,Cathérine Jami,A.M. Moulin,2012-12-06 SCIENCE AND EMPIRES FROM THE INTERNATIONAL COLLOQUIUM TO THE BOOK Patrick PETITJEAN Catherine JAMI and Anne Marie MOULIN The International Colloquium Science and Empires Historical Studies about Scientific Development and European Expansion is the product of an International Colloquium Sciences and Empires A Comparative History of Scientific Exchanges European Expansion and Scientific Development in Asian African American and Oceanian Countries Organized by the REHSEIS group Research on Epistemology and History of Exact Sciences and Scientific Institutions of CNRS National Center for Scientific Research the colloquium was held from 3 to 6 April 1990 in the UNESCO building in Paris This colloquium was an idea of Professor Roshdi Rashed who initiated this field of studies in France some years ago and proposed Sciences and Empires as one of the main research programmes for the The project to organize such a colloquium was a bit REHSEIS group of a gamble Its subject reflected in the title Sciences and Empires is not a currently accepted sub discipline of the history of science rather it refers to a set of questions which found autonomy only recently The terminology was strongly debated by the participants and as is frequently suggested in this book awaits fuller clarification      Organizing for Science Shiv Visvanathan,1985      **Science and Religion in India** Renny

Thomas,2021-12-30 This book provides an in depth ethnographic study of science and religion in the context of South Asia giving voice to Indian scientists and shedding valuable light on their engagement with religion Drawing on biographical autobiographical historical and ethnographic material the volume focuses on scientists religious life and practices and the variety of ways in which they express them Renny Thomas challenges the idea that science and religion in India are naturally connected and argues that the discussion has to go beyond binary models of conflict and complementarity By complicating the understanding of science and religion in India the book engages with new ways of looking at these categories

**Science and Modern India: An Institutional History, c.1784-1947: Project of History of Science, Philosophy and Culture in Indian Civilization, Volume XV, Part 4** Das Gupta,1900 Science and Modern India An Institutional History c 1784 1947 Project of History of Science Philosophy and Culture in Indian Civilization Volume XV Part 4 comprises chapters contributed by eminent scholars It discusses the historical background of the establishment of science institutes that were established in pre Independence India and still exist their functions and their present status This volume discusses Indian science institutes that specialize in a particular field It also delves into the area of engineering sciences      **Patrick Blackett** Peter Hore,2004-08-02 This edited volume comprises a series of essays about Patrick Maynard Stewart Blackett one of the greatest scientists of the 20th century as well as a prominent figure in the Royal Navy and British politics

Cookstove Chronicles Meena Khandelwal,2024-10-22 Cookstove Chronicles examines India s handcrafted wood burning cooking stoves the rural women who use them and outsiders who try to improve them by engineering a range of clean

cooking devices Khandelwal adopts a transnational feminist anthropological and STS perspective to reimagine the humble mud stove as both villain and hero of this story and to suggest pathways for collaboration across radical disciplinary divides

Journal of the Indian Institute of Science Indian Institute of Science, Bangalore, 1986      **History of Science,**

**Philosophy and Culture in Indian Civilization: pt. 1. Science, technology, imperialism and war** Debi Prasad

Chattopadhyaya, 1999

**Science, War and Imperialism** Jagdish Sinha, 2008-05-31 Why could not the Second World War

catalyse science in India as it did in the West This is one of the central questions of this volume on the British policy towards science and technology in India Its focus is on education research innovation and organisation of science in such sectors as industry agriculture public health and transport and communications In the process the author comes across revealing developments where science played a crucial role an Anglo American tussle for dominance in the region the clash between capitalism and socialism and the entry of neo colonialism triggering Cold War in Asia Many faces of humanity and science are on view British scientists concerned about India's development and Indian scientists planning for national reconstruction Of interest to all those aiming for a better understanding of the impact of science war and international influences on the socio economic progress in India or other erstwhile colonies      *Telecommunications Industry in India* Dilip

Subramanian, 2017-08-04 Telecommunications Industry in India represents the first comprehensive study of a state run enterprise in the telecommunications industry The study traces over a period of half a century 1948 2009 the growth and decline of Indian Telephone Industries ITI At the heart of the monograph stands one central interrogation How does the socio technical system of production in a state controlled firm shape the relations linking the four main actors the state management union and workers The original contribution of this book lies in combining business history and labour history within a single conceptual framework The author evaluates the broader conclusions about the telecommunications industry and public sector through the lens of an individual firm to arrive at a more nuanced understanding of the dynamics of change in the globalizing Indian economy The work is well in command of the literature on the global business history counterparts of ITI in the telecommunications industry It is further strengthened by the use of French material on the subject which is now accessible for the first time in English Please note Taylor Francis does not sell or distribute the Hardback in India Pakistan Nepal Bhutan Bangladesh and Sri Lanka

**Islam, Technoscientific Identities, and the Culture of Curiosity** Mazyar

Lotfalian, 2004 This book examines how Muslim scientists and engineers in the global context in which Islam has become an ingredient of identity discourses are grappling with competing discourses to create new technoscientific outlooks      *Science and the British Empire* Rajesh Kochhar, 2024-04-09 This book studies the linkages between science technology and institution building in Colonial and Modern India It discusses the advent and growth of modern science in India in terms of a nested three stage model comprising the colonial tool stage the peripheral native stage and the Indian response stage each leading to and coexisting with the next The book gives an account of developments in various fields of science and education in the

latter half of the 19th century and the beginning of contributions made by Indian individuals continuing into the 20th century. It traces the process of colonization and how it led to studies in astronomy, meteorology, natural history, geography, and medicine in India. Rich in archival resources, this book will be indispensable for scholars and researchers of history of education, history of science, colonial education, science and technology studies, South Asian history, Indian history, and history in general.

*Beyond Belief* Srirupa Roy, 2007-05-28. DIVE examines the formation of the nation-state in postcolonial India, how it worked to create an identity for itself, to what extent it succeeded, and what may be the prospects for unity in a widely diverse country.

**A World Connecting** Emily S. Rosenberg, 2012-10-30. Between 1870 and 1945, advances in communication and transportation simultaneously expanded and shrank the world. In five interpretive essays, *A World Connecting* goes beyond nations, empires, and world wars to capture the era's defining feature: the profound and disruptive shift toward an ever more rapidly integrating world.

**The Indian Science Community** Venni V. Krishna, 2024-09-30. This book focuses on the historical and sociological dimensions of scientists working in laboratories in India, offering insights into the historical, sociological, and policy factors that shape scientific pursuits. It illuminates the challenges, accomplishments, and the evolving role of science in societal development. The author initiates a broader discourse on the interplay between scientific advancements, societal contexts, and policy frameworks. The book fosters a deeper understanding of science's role in shaping India's social fabric and contributing to the global scientific dialogue. It also explores issues such as brain drain, science activism, and the conflict between university and government-run models of science. Lucid and topical, the book will be of considerable interest to both social and natural scientists as well as the general academic community, including research students in science, technology, history, social history of science, science and technology studies, and innovation policies.

**NGOs** Thomas Davies, 2014-01-11. In the first historical account of international NGOs from the French Revolution to the present, Thomas Davies places the contemporary debate on transnational civil society in context. In contrast to the conventional wisdom which sees transnational civil society as a recent development taking place along a linear trajectory, he explores the long history of international NGOs in terms of a cyclical process characterized by three major waves: the era to 1914, the inter-war years, and the period since the Second World War. The breadth of transnational civil society activities explored is unprecedented in its diversity, from business associations to humanitarian organizations, peace groups to socialist movements, feminist organizations to pan-nationalist groups. The geographical scope covered is also extensive, and the analysis is richly supported with reference to a diverse array of previously unexplored sources. By revealing the role of civil society rather than governmental actors in the major transformations of the past two and a half centuries, this book is for anyone interested in obtaining a new perspective on world history. The analysis concludes in the second decade of the twenty-first century, providing insights into the trajectory of transnational civil society in the post-9/11 and post-financial crisis eras.

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

**Bombay Hustle** Debashree Mukherjee, 2020-09-22 From starry eyed fans with dreams of fame to cotton entrepreneurs turned movie moguls the Bombay film industry has historically energized a range of practices and practitioners playing a crucial and compelling role in the life of modern India Bombay Hustle presents an ambitious history of Indian cinema as a history of material practice bringing new insights to studies of media modernity and the late colonial city Drawing on original archival research and an innovative transdisciplinary approach Debashree Mukherjee offers a panoramic portrait of the consolidation of the Bombay film industry during the talkie transition of the 1920s 1940s In the decades leading up to independence in 1947 Bombay became synonymous with marketplace thrills industrial strikes and modernist experimentation Its burgeoning film industry embodied Bombay's spirit of hustle gathering together and spewing out the many different energies and emotions that characterized the city Bombay Hustle examines diverse sites of film production finance pre production paperwork casting screenwriting acting stunts to show how speculative excitement jostled against desires for scientific management in an industry premised on the struggle between contingency and control Mukherjee develops the concept of a cine ecology in order to examine the bodies technologies and environments that collectively shaped the production and circulation of cinematic meaning in this time The book thus brings into view a range of marginalized film workers their labor and experiences forgotten film studios their technical practices and aesthetic visions and overlooked connections among media practices geographical particularities and historical exigencies

**A Hybrid Imagination**

Andrew Jamison, Steen Hyltdgaard Christensen, Lars Botin, 2022-05-31 This book presents a cultural perspective on scientific and technological development As opposed to the story lines of economic innovation and social construction that tend to dominate both the popular and scholarly literature on science technology and society or STS the authors offer an alternative approach devoting special attention to the role played by social and cultural movements in the making of science and technology They show how social and cultural movements from the Renaissance of the late 15th century to the environmental and global justice movements of our time have provided contexts or sites for mixing scientific knowledge and technical skills from different fields and social domains into new combinations thus fostering what the authors term a hybrid imagination Such a hybrid imagination is especially important today as a way to counter the competitive and commercial hubris that is so much taken for granted in contemporary science and engineering discourses and practices with a sense of cooperation and social responsibility The book portrays the history of science and technology as an underlying tension between hubris literally the ambition to play god on the part of many a scientist and engineer and neglect the consequences and a hybrid imagination connecting scientific facts and technological artifacts with cultural understanding The book concludes with chapters on the recent transformations in the modes of scientific and technological production since the Second World War and the contending approaches to greening science and technology in relation to the global quest for sustainable

development The book is based on a series of lectures that were given by Andrew Jamison at the Technical University of Denmark in 2010 and draws on the authors many years of experience in teaching non technical or contextual knowledge to science and engineering students The book has been written as part of the Program of Research on Opportunities and Challenges in Engineering Education in Denmark PROCEED supported by the Danish Strategic Research Council from 2010 to 2013 Table of Contents Introduction Perceptions of Science and Technology Where Did Science and Technology Come From Science Technology and Industrialization Science Technology and Modernization Science Technology and Globalization The Greening of Science and Technology

## Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **Organizing For Science The Making Of An Industrial Research Laboratory**

In a world inundated with monitors and the cacophony of quick interaction, the profound energy and emotional resonance of verbal art frequently diminish in to obscurity, eclipsed by the constant assault of noise and distractions. However, nestled within the lyrical pages of **Organizing For Science The Making Of An Industrial Research Laboratory**, a captivating function of literary brilliance that impulses with raw emotions, lies an unforgettable trip waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this exciting opus books readers on a mental odyssey, gently revealing the latent potential and profound impact embedded within the intricate web of language. Within the heart-wrenching expanse with this evocative examination, we shall embark upon an introspective exploration of the book is central subjects, dissect their interesting publishing style, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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