

SCIENTIFIC KNOWLEDGE AND SOCIOLOGICAL THEORY

Barry Barnes

Monographs in Social Theory edited by Arthur Brittan

Scientific Knowledge And Sociological Theory

Michael Mulkay



Scientific Knowledge And Sociological Theory:

Scientific Knowledge and Sociological Theory Barry Barnes, 2013-04-15 Scientific Knowledge and Sociological Theory centres on the problem of explaining the manifest variety and contrast in the beliefs about nature held in different groups and societies The sociological interest of such beliefs is illustrated and a sociological perspective upon scientific change is developed *Scientific Knowledge and Sociological Theory* Barry Barnes, 2009 **Scientific Knowledge** Barry Barnes, David Bloor, John Henry, 1996-07-15 Although science was once seen as the product of individual great men working in isolation we now realize that like any other creative activity science is a highly social enterprise influenced in subtle as well as obvious ways by the wider culture and values of its time Scientific Knowledge is the first introduction to social studies of scientific knowledge The authors all noted for their contributions to science studies have organized this book so that each chapter examines a key step in the process of doing science Using case studies from cognitive science physics and biology to illustrate their descriptions and applications of the social study of science they show how this approach provides a crucial perspective on how science is actually done Scientific Knowledge will be of interest not only to those engaged in science studies but also to anyone interested in the practice of science Scientific Knowledge and Sociological Theory Barry Barnes, 2009 *Science and the Sociology of Knowledge (RLE Social Theory)* Michael Mulkay, 2014-08-07 How far is scientific knowledge a product of social life In addressing this question the major contributors to the sociology of knowledge have agreed that the conclusions of science are dependent on social action only in a very special and limited sense In *Science and the Sociology of Knowledge* Michael Mulkay's first aim is to identify the philosophical assumptions which have led to this view of science as special and to present a systematic critique of the standard philosophical account of science showing that there are no valid epistemological grounds for excluding scientific knowledge from the scope of sociological analysis The rest of the book is devoted to developing a preliminary interpretation of the social creation of scientific knowledge The processes of knowledge creation are delineated through a close examination of recent case studies of scientific developments Dr Mulkay argues that knowledge is produced by means of negotiation the outcome of which depends on the participants use of social as well as technical resources The analysis also shows how cultural resources are taken over from the broader social milieu and incorporated into the body of certified knowledge and how in the political context of society at large scientists technical as well as social claims are conditioned and affected by their social position **Scientific Knowledge and Sociological Theory** Barry Barnes, 2013-04-15 Scientific Knowledge and Sociological Theory centres on the problem of explaining the manifest variety and contrast in the beliefs about nature held in different groups and societies The sociological interest of such beliefs is illustrated and a sociological perspective upon scientific change is developed *Science and the Sociology of Knowledge* Michael Mulkay, Michael Joseph Mulkay, 1992 The major contributors to the sociology of knowledge have agreed that the conclusions of science depend on social action only in a very limited sense This view is examined

critically and it is argued that scientific knowledge should be included fully within the scope of sociological analysis The production of scientific knowledge is depicted as a process of negotiation the outcome of which depends on participants use of resources which are both technical and social It is shown how cultural resources are taking over from the broader cultural milieu and incorporated into the body of certified knowledge and how in the wider political context scientists claims are conditioned and affected by their social allegiances

Science, Social Theory & Public Knowledge Irwin, Alan, Michael, Mike, 2003-10-01 This work draws together three key perspectives on science society relations public understanding of science scientific and public governance and social theory It shows that science and society combine in many ways such as in citizenship expertise governance and democracy

Scientific Knowledge in Controversy Brian Martin, 1991-01-01 Scientific Knowledge in Controversy The Social Dynamics of the Fluoridation Debate is a study of today s most heated and long lived health controversy as well as a study of the role of power in science It uses the tools of sociology of knowledge and political economy to analyze battles over scientific evidence and the struggle for scientific credibility the exercise of professional power to suppress opponents and the role of corporate interests in the debate The evidence from a variety of countries offers a new perspective on the fluoridation issue and also shows how to link the analysis of rhetoric in scientific disputes with the wider analysis of power in society

Knowledge and Politics (RLE Social Theory) Volker Meja, Nico Stehr, 2014-08-13 Karl Mannheim s Ideology and Utopia has been a profoundly provocative book The debate about politics and social knowledge that was spawned by its original publication in 1929 attracted the most promising younger scholars some of whom shaped the thought of several generations The book became a focus for a debate on the methodological and epistemological problems confronting German social science More than thirty major papers were published in response to Mannheim s text Writers such as Hannah Arendt Ernst Robert Curtius Max Horkheimer Herbert Marcuse Helmuth Plessner Hans Speier and Paul Tillich were among the contributors Their positions varied from seeing in the sociology of knowledge a sophisticated reformulation of the materialist conception of history to linking its popularity to a betrayal of Marxism The English publication in 1936 defined formative issues for two generations of sociological self reflection Knowledge and Politics provides an introduction to the dispute and reproduces the leading contributions It sheds new light on one of the greatest controversies that have marked German social science in the past hundred years

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