

Science and Philosophy in the Soviet Union by Loren R. Graham

A discipline-by-discipline account of the interaction of science and Marxist philosophy in the U.S.S.R., of the controversies in which Soviet scientists have been involved, and the relationship between Soviet science and world science



Science And Philosophy In The Soviet Union

Ethan Pollock



Science And Philosophy In The Soviet Union:

Science and Philosophy in the Soviet Union Loren R. Graham, 1974 **Science, Philosophy, and Human Behavior in the Soviet Union** Loren R. Graham, 1989 Soviet philosophy of science dialectical materialism is an area of intellectual endeavor that engages thousands of specialists in the Soviet Union but passes almost entirely unnoticed in the West It is true that a few Western authors have examined Soviet discussions of individual problems in philosophy of science such as philosophical issues of biology or psychology nonetheless no one else in the last twenty five years has tried to study in detail the relationship of dialectical materialism to Soviet science as a whole It is an unusual experience rewarding yet worrisome to be the only scholar making this endeavor *Bulletin of the Atomic Scientists* ,1989-09 *Boris Hessen: Physics and Philosophy in the Soviet Union, 1927-1931* Chris Talbot, Olga Pattison, 2021-05-17 This book presents key works of Boris Hessen outstanding Soviet philosopher of science available here in English for the first time Quality translations are accompanied by an editors introduction and annotations Boris Hessen is known in history of science circles for his Social and Economic Roots of Newton s Principia presented in London 1931 which inspired new approaches in the West As a philosopher and a physicist he was tasked with developing a Marxist approach to science in the 1920s He studied the history of physics to clarify issues such as reductionism and causality as they applied to new developments With the philosophers called the Dialecticians his debates with the opposing Mechanists on the issue of emergence are still worth studying and largely ignored in the many recent works on this subject Taken as a whole the book is a goldmine of insights into both the foundations of physics and Soviet history **Science in Russia and the Soviet Union** Loren R. Graham, 1993 By the 1980s the Soviet scientific establishment had become the largest in the world but very little of its history was known in the West What has been needed for many years in order to fill that gap in our knowledge is a history of Russian and Soviet science written for the educated person who would like to read one book on the subject This book has been written for that reader The history of Russian and Soviet science is a story of remarkable achievements and frustrating failures That history is presented here in a comprehensive form and explained in terms of its social and political context Major sections include the tsarist period the impact of the Russian Revolution the relationship between science and Soviet society and the strengths and weaknesses of individual scientific disciplines The book also discusses the changes brought to science in Russia and other republics by the collapse of communism in the late 1980s and early 1990s **Soviet Science under Control** Jeffrey L. Roberg, 2016-07-27 Roberg examines the relationship between the political leadership of the Soviet Union and Soviet science Previously this relationship was typically characterized as one of Communist Party dominance over the sciences He argues that the relationship between scientists and the leadership is better viewed as bi directional The author concludes that scientists had an influence on policy makers in the areas of nuclear policy and human rights although not to the same degree as the Party had on science and scientists **Reader's Guide to the History of Science** Arne Hessenbruch, 2013-12-16

The Reader's Guide to the History of Science looks at the literature of science in some 550 entries on individuals Einstein institutions and disciplines Mathematics general themes Romantic Science and central concepts Paradigm and Fact The history of science is construed widely to include the history of medicine and technology as is reflected in the range of disciplines from which the international team of 200 contributors are drawn Stalin and the Scientists Simon Ings, 2017-02-21 One of the finest most gripping surveys of the history of Russian science in the twentieth century Douglas Smith author of *Former People: The Final Days of the Russian Aristocracy* *Stalin and the Scientists* tells the story of the many gifted scientists who worked in Russia from the years leading up to the revolution through the death of the Great Scientist himself Joseph Stalin It weaves together the stories of scientists politicians and ideologues into an intimate and sometimes horrifying portrait of a state determined to remake the world They often wreaked great harm Stalin was himself an amateur botanist and by falling under the sway of dangerous charlatans like Trofim Lysenko who denied the existence of genes and by relying on antiquated ideas of biology he not only destroyed the lives of hundreds of brilliant scientists he caused the death of millions through famine But from atomic physics to management theory and from radiation biology to neuroscience and psychology these Soviet experts also made breakthroughs that forever changed agriculture education and medicine A masterful book that deepens our understanding of Russian history *Stalin and the Scientists* is a great achievement of research and storytelling and a gripping look at what happens when science falls prey to politics Longlisted for the Baillie Gifford Prize for Non Fiction in 2016 A New York Times Book Review Paperback Row selection Ings's research is impressive and his exposition of the science is lucid Filled with priceless nuggets and a cast of frauds crackpots and tyrants this is a lively and interesting book and utterly relevant today The New York Times Book Review A must read for understanding how the ideas of scientific knowledge and technology were distorted and subverted for decades across the Soviet Union The Washington Post **Bulletin of the Atomic Scientists**, 1989-09 **Stalin and the Soviet Science Wars** Ethan Pollock, 2021-05-11 Between 1945 and 1953 while the Soviet Union confronted postwar reconstruction and Cold War crises its unchallenged leader Joseph Stalin carved out time to study scientific disputes and dictate academic solutions He spearheaded a discussion of scientific Marxist Leninist philosophy edited reports on genetics and physiology adjudicated controversies about modern physics and wrote essays on linguistics and political economy Historians have been tempted to dismiss all this as the megalomaniacal ravings of a dying dictator But in *Stalin and the Soviet Science Wars* Ethan Pollock draws on thousands of previously unexplored archival documents to demonstrate that Stalin was in fact determined to show how scientific truth and Party doctrine reinforced one another Socialism was supposed to be scientific and science ideologically correct and Stalin ostensibly embodied the perfect symbiosis between power and knowledge Focusing on six major postwar debates in the Soviet scientific community this elegantly written book shows that Stalin's forays into scholarship can be understood only within the context of international tensions institutional conflicts and the growing

uncertainty about the proper relationship between scientific knowledge and Party dictated truths The nature of Stalin's interventions makes clear that more was at stake than high politics these science wars were about asserting that the Party was rational and modern and about codifying the Soviet worldview in a battle for the hearts and minds of people around the globe during the early Cold War Ultimately however the effort to develop a scientific basis for Soviet ideology undermined the system's legitimacy

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