

Loren R. Graham

SCIENCE in RUSSIA and the SOVIET UNION



A Short History



Science In Soviet Russia

Joseph Needham, Jane Sykes Davies



Science In Soviet Russia:

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 American Association for the Advancement of Science,1952 Contains papers presented at symposium titled Soviet Science held in Philadelphia December 27 1951 Emphasis on factual reporting of status of Soviet science

Stalin's Great Science: The Times And Adventures Of Soviet Physicists Alexei B Kojevnikov,2004-08-23 World class science and technology developed in the Soviet Union during Stalin s dictatorial rule under conditions of political violence lack of international contacts and severe restrictions on the freedom of information Stalin s Great Science The Times and Adventures of Soviet Physicists is an invaluable book that investigates this paradoxical success by following the lives and work of Soviet scientists including Nobel Prize winning physicists Kapitzza Landau and others throughout the turmoil of wars revolutions and repression that characterized the first half of Russia s twentieth century The book examines how scientists operated within the Soviet political order communicated with Stalinist politicians built a new system of research institutions and conducted groundbreaking research under extraordinary circumstances Some of their novel scientific ideas and theories reflected the influence of Soviet ideology and worldview and have since become accepted universally as fundamental concepts of contemporary science In the process of making sense of the achievements of Soviet science the book dismantles standard assumptions about the interaction between science politics and ideology as well as many dominant stereotypes mostly inherited from the Cold War about Soviet history in general Science and technology were not only granted unprecedented importance in Soviet society but they also exerted a crucial formative influence on the Soviet political system itself Unlike most previous studies Stalin s Great Science recognizes the status of science as an essential element of the Soviet polity and explores the nature of a special relationship between experts scientists and engineers and communist politicians that enabled the initial rise of the Soviet state and its mature accomplishments until the pact eroded in later years undermining the communist regime from within

Science in Soviet Russia ,1944 **Science in Soviet Russia** Joseph Needham,Jane Sykes Davies,1942 Science in the New Russia Loren R. Graham,Irina Dezhina,2008-05-28 This analysis of Russian science shows how the Russian science establishment was one

of the largest in the world boasting a world leading space programme and Nobel prizes However when the Soviet Union collapsed in 1991 the financial supports for the community were eliminated resulting in a brain drain Science in Soviet Russia James Gerald Crowther,1930 **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 The Perversion Of Knowledge Dr. Vadim J. Birstein,2009-09-09 During the Soviet years Russian science was touted as one of the greatest successes of the regime Russian science was considered to be equal if not superior to that of the wealthy western nations The Perversion of Knowledge a history of Soviet science that focuses on its control by the KGB and the Communist Party reveals the dark side of this glittering achievement Based on the author s firsthand experience as a Soviet scientist and drawing on extensive Russian language sources not easily available to the Western reader the book includes shocking new information on biomedical experimentation on humans as well as an examination of the pernicious effects of Trofim Lysenko s pseudo biology Also included are many poignant case histories of those who collaborated and those who managed to resist focusing on the moral choices and consequences The text is accompanied by the author s own translations of key archival materials making this work an essential resource for all those with a serious interest in Russian history **Science for the Masses** James T. Andrews,2003 In Science for the Masses James T Andrews presents a comprehensive history of the early Bolshevik popularization of science in Russia and the former Soviet Union Jacket Science of the Child in Late Imperial and Early Soviet Russia Andy Byford,2020-02-27 Between the 1880s and the 1930s children became the focus of unprecedented scientific and professional interest in modernizing societies worldwide including in the Russian Empire and then the Soviet

Union Those who claimed children as special objects of investigation were initially spread across a network of imperfectly professionalized scholarly and occupational groups based mostly in the fields of medicine education and psychology From their various perspectives they made ambitious claims about the contributions that their emergent expertise made to the understanding of and intervention in human bio psycho social development The international movement that arose out of this catalyzed the institutionalization of new domains of knowledge including developmental and educational psychology special needs education and child psychiatry Science of the Child charts the evolution of the child science movement in Russia from the Crimean War to the Second World War It is the first comprehensive history in English of the rise and fall of this multidisciplinary field across the late Imperial and Soviet periods Drawing on ideas and concepts emanating from a variety of theoretical domains the study provides new insights into the concerns of Russia s professional intelligentsia with matters of biosocial reproduction and investigates the incorporation of scientific knowledge and professional expertise focused on child development into the making of the welfare warfare state in the rapidly changing political landscape of the early Soviet era

What Have We Learned About Science and Technology from the Russian Experience? Loren R. Graham,1998

Describes the impact of Russian scientific research on science in the United States **Soviet Medicine** Frances Lee Bernstein,Christopher Burton,Dan Healey,2010-11-01 Thanks to the opening of archives and the forging of exchanges between Russian and Western scholars interested in the history of medicine it is now possible to write new forms of social and political history in the Soviet medical field Using the lenses of critical social histories of healthcare and medical science and looking at both new material from Russian archives and interviews with those who experienced the Soviet health system the contributors to this volume explore the ways experts and the Soviet state radically reshaped medical provision after the Revolution of 1917 Soviet Medicine presents the work of an international group of leading scholars Twelve essays treating subjects that span the 74 year history of the Soviet Union cover such diverse topics as how epidemiologists handled plague on the Soviet borderlands in the revolutionary era how venereologists fighting sexually transmitted disease struggled to preserve the patient s right to secrecy and how Soviet forensic experts falsified the evidence of the Katyn Forest massacre of 1940 This important volume demonstrates the crucial role played by medical science practice and culture in the shaping of a modern Soviet Union and illustrates how the study of Soviet medical history can benefit historians of medicine science the Soviet Union and social and gender historians **A Medical Review of Soviet Russia** William Horsley Gantt,1928

State Ideology, Science, and Pseudoscience in Russia Baasanjav Terbish,2022-02-25 This book recounts the entangled stories of three distinctly Russian movements state ideology Russian cosmism and Eurasianism from their inception at the end of the nineteenth century and beginning of the twentieth century until now Despite harboring pseudoscientific and mystical ideas specific to Russia all three movements were propagated by their followers as universal sciences and all three vied for scientific supremacy and universal acceptance Suppressed by the Bolsheviks and their state ideology as unscientific

in the 1920s Russian cosmism and Eurasianism led an esoteric underground existence during the Soviet period and re emerged in the dying years of the Soviet Union seeking not only to reclaim their scientific status but also to potentially fill the perplexing vacuum left by the ensuing demise of Soviet state ideology This study relates the post Soviet search for a new state ideology or new National Idea at the federal and regional levels based on the Kremlin s projects and the case of the ethnic Republic of Kalmykia in south west Russia *Science in Soviet Russia, Difficulties and Discouragements Beset Investigators in the U.S.S.R.* Nikolai Andreevich Borodin, 1928 **Soviet Science, 1917-1970: Academy of Sciences of the USSR** S. I. Melinskaya, 1971 *Science and Philosophy in the Soviet Union* Loren R. Graham, 1972 The interaction of science and Marxist philosophy in the U S S R **Russian Studies, Political Science, and the Philosophy of Technology** Guoli Liu, Joanna Drzewieniecki, 2022-04-18 This volume presents state of the art creative scholarship in political science and area studies with an emphasis on Russia The contributors all well known in their specialties share the conviction that advancement in the social sciences can only be achieved through plural methodological approaches and interaction with various disciplines Their work in this collection provides critical analyses of key issues in Russian and post Soviet studies It explores the most fruitful ways of studying Russia with particular emphasis on the federal system politics in the era of Putin challenges of Russian foreign policy and Russian attitudes toward democracy The vagaries of democracy are also explored in articles on Georgia and Turkey Additionally this book examines the philosophy of technology with an emphasis on critical theory eco domination and engineering ethics *Revolutionary Experiments* Nikolai Krementsov, 2014 Krementsov examines a particular fascination with the dream of immortality and the place of science and fiction in its pursuit in Russia during roughly a decade that followed the country s political revolutions of 1917 It argues that contemporary scientific experiments aimed at the control over life death and disease inspired many Russian writers to conduct their own literary experiments with the ideas and techniques offered by experimental biology and medicine which found expression in both popular science writings and a new literary genre science fiction

Adopting the Tune of Term: An Psychological Symphony within **Science In Soviet Russia**

In a global consumed by monitors and the ceaseless chatter of immediate interaction, the melodic elegance and mental symphony created by the written word often disappear in to the background, eclipsed by the relentless sound and disturbances that permeate our lives. Nevertheless, located within the pages of **Science In Soviet Russia** a wonderful fictional prize brimming with fresh feelings, lies an immersive symphony waiting to be embraced. Crafted by a masterful composer of language, this captivating masterpiece conducts visitors on a psychological journey, skillfully unraveling the concealed melodies and profound impact resonating within each carefully crafted phrase. Within the depths with this poignant evaluation, we will examine the book is key harmonies, analyze its enthralling publishing fashion, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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