

# **Soviet Science**

**Zhores A. Medvedev** 

### **Soviet Science:**

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 Soviet Science J.G. Crowther, 2024-11-26 Soviet Science 1936 gives information about the sort and conditions of research in Soviet scientific institutes in the 1930s It looks at all the main research centres across the discipliners of physics The Communist Party and Soviet Science Stephen Fortescue, 1986-06-18 chemistry biology and the applied sciences Soviet Science Zhores A. Medvedev.1978-06-01 Soviet Science: Thirty Years Sergei Ivanovich Vavilov, 1948 **Perversion Of Knowledge** Vadim Birstein, 2001-11 During the Soviet years Russian science was considered to be equal if not superior to that of the wealthy western nations Stalin's Great Science A. B. Kozhevnikov, 2004 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 Kapitza 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 Manipulated Science Mark Aleksandrovich Popovskii, Mark Popovskii, 1979 Science Policy in the Soviet Union Paul M. Cocks, 1980 Soviet Science, 1917-1970: Academy of Sciences of the USSR S. I. Melinskaya,1971 Soviet Science Review ,1970 Stalinist Science Nikolai Krementsov.1996-11-25 Some scholars have viewed the Soviet state and science as two monolithic entities with bureaucrats as oppressors and scientists as defenders of intellectual autonomy Based on previously unknown documents from the archives of state and Communist Party agencies and of numerous scientific institutions Stalinist Science shows that this

picture is oversimplified Even the reinstated Science Department within the Central Committee was staffed by a leading geneticist and others sympathetic to conventional science In fact a symbiosis of state bureaucrats and scientists established a much more terrifying system of control over the scientific community than any critic of Soviet totalitarianism had feared Some scientists on the other hand developed more elaborate devices to avoid and exploit this control system than any advocate of academic freedom could have reasonably hoped Nikolai Krementsov argues that the model of Stalinist science already taking hold during the thirties was reversed by the need for inter Allied cooperation during World War II Science as a tool for winning the war and as a diplomatic and propaganda instrument began to enjoy higher status better funding and relative autonomy Even the reinstated Science Department within the Central Committee was staffed by a leading geneticist and others sympathetic to conventional science However the onset of the Cold War led to a campaign for eliminating such servility to the West Then the Western links that had benefited genetics and other sciences during the war and through 1946 became a liability and were used by Lysenko and others to turn back to the repressive past and to delegitimate whole research directions Bulletin of the Atomic Scientists, 1978-10 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security Founded by Manhattan Project Scientists the Bulletin's iconic Doomsday Clock stimulates solutions for a safer world Soviet Science and Engineering in the Shadow of the Cold War Hiroshi Ichikawa, 2018-09-27 The 1950s were a vital time in the history of science In accordance with the intensification of the Cold War many scientific talents were mobilized to several military related research and development projects not only in the United States but also in the Soviet Union Contrary to the expectation of General Leslie Groves a leader of the Manhattan Project the Soviet Union succeeded in their nuclear weapon development in a very short time And then by the end of the decade mankind reached the dawn of the Atomic Age proper with the beginning of the operation of the world's first civil nuclear power plant in Obninsk in 1954 The risky and costly developments of new weapons such as rockets jet warplanes and computers were achieved by the Soviet Union in a very short time after World War in spite of the heavy economic damage caused by the battles with German troops in Soviet territory Why were such a great number of scientific talents mobilized to various Soviet Cold War research and development projects What were the true natures and real consequences of the rushed Cold War projects How did Soviet scientists approach the nuclear age Thanks to the study of formerly classified Soviet archives a more nuanced view of Soviet society has become possible To resolve the above mentioned questions Ichikawa analyses the complicated interactions among various factors including the indigenous contradictions in the historical development of science in the Soviet Union conflicts among the related interest groups relationships with the political leadership and the military the role of ideology and others Soviet Science American Association for the Advancement of Science, 1953 Soviet Science on the Edge of Reform Harley D. Balzer, 2019-06-04 It is my sincere hope that the reforms currently being introduced in the USSR will render much of this book obsolete Yet

even if perestroika brings significant change to the Soviet Union historians will want a record of what existed before After four years it has become apparent that perestroika is a painful long term process In such a large and diverse country even the reforms that are successful cannot take place everywhere at once One major goal in publishing this book is to make data from a major interview project on Soviet science and technology available to a broader audience Despite the changes taking place many of the features illuminated by these unique data persist Bulletin of the Atomic Scientists, 1988-10 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security Founded by Manhattan Project Scientists the Bulletin's iconic Doomsday Clock stimulates solutions for a safer Science in the Twentieth Century John Krige, Dominique Pestre, 2013-11-19 With over forty chapters written by leading scholars this comprehensive volume represents the best work in America Europe and Asia Geographical diversity of the authors is reflected in the different perspectives devoted to the subject and all major disciplinary developments are covered There are also sections concerning the countries that have made the most significant contributions the relationship between science and industry the importance of instrumentation and the cultural influence of scientific modes of thought Students and professionals will come to appreciate how and why science has developed as with any other human activity it is subject to the dynamics of society and politics The Making of a Soviet Scientist Roald Z. Sagdeev, 1995-09-15 The critically acclaimed memoir that rips the curtain of secrecy off the world of Soviet science Revelations and insights about the Soviet space program It is good that such a wise man will live among us for a while The New York Times A rare valuable insider s look at the Soviet military industrial machine Publishers Weekly I found it fascinating important not only to scientists but also for those who fashion government politics generally Herman Feshbach Institute Professor Emeritus Massachusetts Institute of Technology A real contribution to the literature of the space age Chicago Sun Times This is a powerful yet charming account of the Soviet Union's scientific space and military enterprise characterized by Sagdeev's frank and insightful style mixed with delightful humor and humanity Charles H Townes Nobel Laureate in Physics University of California Berkeley For all who are interested in the interaction of science and society and in the nature of the Soviet Union as seen by a keen observer who was at the same time an insider and a dedicated humanist this book is highly recommended Physics Today **Soviet Science Review** ,1970

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