Atomzeit 11

Steve Olson

The Lyrikabend of 11 December 1962 Alan G. Ng,2002

Time Bomb Malcolm MacPherson, 1987

Heisenberg in the Atomic Age Cathryn Carson,2010-01-11 The end of the Second World War opened a new era for science in public life. Heisenberg in the Atomic Age explores the transformations of science's public presence in the postwar Federal Republic of Germany. It shows how Heisenberg's philosophical commentaries, circulating in the mass media, secured his role as science's public philosopher, and it reflects on his policy engagements and public political stands, which helped redefine the relationship between science and the state. With deep archival grounding, the book tracks Heisenberg's interactions with intellectuals from Heidegger to Habermas and political leaders from Adenauer to Brandt. It also traces his evolving statements about his wartime research on nuclear fission for the National Socialist regime. Working between the history of science and German history, the book's central theme is the place of scientific rationality in public life - after the atomic bomb, in the wake of the Third Reich.

The American Atom Philip L. Cantelon, Richard G. Hewlett, Robert Chadwell Williams, 1991 For this edition (first in 1984), the editors have updated the collection of primary documents which tell the story of atomic energy in the US from the discovery of fission through the development of nuclear weapons, international proliferation, and attempts at control. The book also includes a new chapter, reflects on Chernoyl, Annotation copyrighted by Book News, Inc., Portland, OR

Atomic Energy in Cosmic and Human Life George Gamow, 2011-06-09 First published in 1945, in the

aftermath of the bombing of Hiroshima and Nagasaki, this book offers a unique account of the problem of atomic energy and the underlying principles of radioactive decay. Written by the pre-eminent physicist George Gamow, it was designed to give a complete picture of atomic energy.

Die Zeit Gene Liberty, Erich Übelacker, 1964 SW: Zeitmessung ; SW: Kalender

Life Under a Cloud Allan M. Winkler, 1999 Presents an account of the impact of the atomic bomb on American political and cultural life. This title delineates how fears of nuclear disaster have become a part of our culture. Tracing the debate over military and civilian uses of atomic power, it reveals the irony, anxiety, and official insanity of the atomic age.

Ephemeridenzeit und Atomzeit. [With Illustrations.]. Richard Vieweg, 1966 Magnetism and Atomic Structure Edmund Clifton Stoner, 1926

Atomic Histories Rudolf Ernst Peierls, 1997 His experience and insight, combined with a great honesty and clarity of vision, placed him among the most authoritative commentators in his field. Brian Cathcart, Deputy Editor, The Independent and author of Test of Greatness: Britain's Struggle for the Atom Bomb Highly respected physicist Rudolf Peierls offers an enlightening collection of essays, book reviews, and candid profiles of some of the most famous scientists of the 20th century. Many of the essays are concerned with the nuclear arms race, which Dr. Peierls has consistently opposed. The book reviews are most revealing and reflect Peierls's position on the Strategic Defense Initiative and his views on energy policy. Peierls also writes about mentor Wolfgang Pauli, the controversial figure of Werner Heisenberg, J. Robert Oppenheimer as a troubled young man, and personal friends Herbert Skinner, Niels Bohr, Max Planck, and others. About the Author In 1940, Rudolph Peierls, together with Otto Frisch, put forth the theory that if U-235 could be separated from U-238, an 11 pound bomb could be produced with the equivalent power of several tons of dynamite. Educated in Germany, Dr. Peierls went to Zurich in 1929 to assist the pioneering physicist Wolfgang Pauli. In 1932 he became a Rockefeller Fellow and went to England as a researcher. He remained in England after Hitler came to power and following World War II he taught at the University of Birmingham and later at Oxford.

Brighter Than a Thousand Suns Robert Jungk, 1958 An account of the remarkable scientists who discovered that nuclear fission was possible and then became concerned about its implications. Index. Translated by James Cleugh.

Energy Security Logics in Europe Izabela Surwillo,2019-05-07 This book analyzes energy security dynamics in Europe through the prism of security logics. Drawing on the literature on securitization, security logics and security contexts, it scrutinizes energy security debates and policy developments in Germany, Poland and Ukraine, focusing on the pipeline politics, nuclear energy and renewables sector. The contextualized analysis accounts for the wider historical, socio-economic and cultural background from which energy policies emerge and gives a voice to the different stakeholders—from policymakers to the local NGO sector. The book sheds light on the root causes of different energy policy decisions and illustrates that European energy security is currently driven by four security logics—war, subsistence, risk and emancipation. The logic of emancipation is a newly emergent phenomenon embraced by many bottom-up citizens' initiatives and manifested in their drive to self-reliance, the rhetoric of liberation and local practices

of energy production. The conceptualization and analysis of the emancipatory logic vis-à-vis other energy security logics help to explain European energy context most effectively—with its background conditions, emerging trends and often controversial national policy approaches. This book will be of much interest to students of critical security studies, energy policy and European politics in general.

The Wretched Atom Jacob Darwin Hamblin,2021 The have-nots -- A thousand years into one --Forgetting the bad dreams of the past -- Colored and white atoms -- Turf wars and green revolutions --Water, blood, and the nuclear club -- Nuclear mosques and monuments -- The era of distrust -- Conclusion: The cornucopian illusion.

The Nuclear Muse John Canaday,2000 Canaday, a poet and playwright who has been a Watson Fellow and a Starbuck Fellow in Poetry at Boston University, analyzes a variety of texts produced by physicists before, during, and after WWII, including Niels Bohr's The Quantum Postulate; the technical lectures used for training at Los Alamos; scientist's descriptions of their work and of the Trinity test; and Leo Szilard's postwar novella, The Voice of the Dolphins. He looks at physicists' use of figurative language in the development of quantum theory, and examines the role played by the rhetorics of exploration and religion in the construction of the Los Alamos community. Includes bandw historical photos. Annotation copyrighted by Book News Inc., Portland, OR

The Atom Bomb Tamra B. Orr,2004-12-15 Discusses the scientific discovery of the properties of atoms, uranium, radium, and atomic fission, and how political and military leaders used this knowledge to create an atom bomb.

The Apocalypse Factory: Plutonium and the Making of the Atomic Age Steve Olson, 2020-07-28 A thrilling narrative of scientific triumph, decades of secrecy, and the unimaginable destruction wrought by the creation of the atomic bomb. It began with plutonium, the first element ever manufactured in quantity by humans. Fearing that the Germans would be the first to weaponize the atom, the United States marshaled brilliant minds and seemingly inexhaustible bodies to find a way to create a nuclear chain reaction of inconceivable explosive power. In a matter of months, the Hanford nuclear facility was built to produce and weaponize the enigmatic and deadly new material that would fuel atomic bombs. In the desert of eastern Washington State, far from prying eyes, scientists Glenn Seaborg, Enrico Fermi, and many thousands of others-the physicists, engineers, laborers, and support staff at the facility-manufactured plutonium for the bomb dropped on Nagasaki, and for the bombs in the current American nuclear arsenal, enabling the construction of weapons with the potential to end human civilization. With his characteristic blend of scientific clarity and storytelling, Steve Olson asks why Hanford has been largely overlooked in histories of the Manhattan Project and the Cold War. Olson, who grew up just twenty miles from Hanford's B Reactor, recounts how a small Washington town played host to some of the most influential scientists and engineers in American history as they sought to create the substance at the core of the most destructive weapons ever created. The Apocalypse Factory offers a new generation this dramatic story of human achievement and, ultimately, of lethal hubris.

Oppenheimer and the Manhattan Project Cynthia C. Kelly,2006 2004 marked the centennial of the birth of J Robert Oppenheimer, and brought historians and scholars, former students, nuclear physicists, and

politicians together to celebrate this event. Oppenheimer's life and work became central to 20th century history as he spearheaded the development of the atomic bomb that ended World War II. This book provides a spectrum of interpretations of Oppenheimer's life and scientific achievements. It approaches the extraordinary scientist and teacher from many perspectives, chronicling the years from his boyhood through his role as director of the Los Alamos National Laboratory and afterwards. The book also discusses Oppenheimer's connection to New Mexico, which hosted two of the Manhattan Project's most crucial sites, and addresses his lasting impact on contemporary science, international politics, and the postwar age.

Atom between Science and Politics Ozias Marcovici,

A London Bibliography of the Social Sciences ,1931 Vols. 1-4 include material to June 1, 1929.

Manhattan Project: The Untold Story of the Making of the Atomic Bomb Stephane Groueff,2023-12-13 "Groueff, a Paris-Match reporter, was sponsored by The Reader's Digest to write this prodigious account of the multiple efforts which went into the creation of the first atomic bomb between 1942 and 1945. The book is a history of the men involved, mainly; and Groves, the military commander, is obviously the author's hero. Reading like the account of a hurdle race, the book charges into a discussion of a problem, then 'finds' and describes the man who bested it. Thus are described the building of Oak Ridge, Fermi's atomic pile, the electromagnetic process, the crises over the barrier and the valves for the gaseous diffusion process, the last-minute decisions concerning the implosion process with plutonium. Groueff does convey well a scene of fantastic activity, where different solutions to one problem were worked on simultaneously, where industrial equipment came before scientific results were known, where the 'impossible' was achieved — in time. The material is fascinating, and the scientific information is well presented... [an] excellent overall view of a monumental project." - Kirkus "Groueff has for the first time given due recognition to some of the minor figures, particularly engineers and technicians, and has preserved in his pages much information that would otherwise perish with the participants or lie forever buried in the archives." - Kendall Birr, The American Historical Review "Groueff... covers the Manhattan Project from its beginning in 1942 to the bombing of Hiroshima... [he] concentrates on the engineering and industrial effort that went into producing the first atomic weapons... The result is a popular but responsible account, episodic in structure, rich in detail and human interest... for the first time a book aimed at the mass market gives engineers and industrialists their due. It is a great story of the almost incredibly complex task of translating theory into industrial and military reality." - Oscar E. Anderson, Jr., Science "So intriguing in fact and in style is the text of the narrative of this book that, once begun, it cannot be put down until the end... In these pages the names and roles of some of the world's greatest scientists and engineers unfold in thrilling parade, with Dr. Vannevar Bush the leader. These men of vast knowledge and ability unite with the commercial managers and their companies mobilized by the hundreds for the construction and operation of the many facilities involved." - Leo A. Codd, Ordnance "Excellent... maintains a high degree of exciting suspense." - Washington Star "A fascinating account of a stupendous effort." - Chicago Tribune

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