

SCIENTISTS AGAINST TIME



JAMES PHINNEY BAXTER 3RD

Scientists Against Time

United States. Bureau of the Budget



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Scientists Against Time James Phinney Baxter III, 2023-11-05 Winner of the 1947 Pulitzer prize in History Mr Baxter's history of the OSRD is a fine book obviously one of the most important documents written so far about the war The author has a reticent clear style admirably suited to pin down his refractory material His preoccupation with technical detail has not diminished his grasp of wartime science as a whole E B Garside The New York Times A readable mixture of history and science This volume covers the whole span of scientific development radar and radar countermeasures loran proximity fuses the DUKW and Weasel incendiaries and flame throwers military medicine including discussion of high altitude effects penicillin and insecticides and finally the Manhattan project and the atomic bomb This official history of OSRD should be required reading for admirals generals and all officers who ever expect some day to exist in the rarefied atmosphere of high level military and naval planning This volume is the triumphant battle cry of American men of science returning with their shields Earl W Thompson Proceedings of the US Naval Institute This is the official history of the remarkable achievements of the Office of Scientific Research and Development during World War II by the President of Williams College Robert Gale Woolbert Foreign Affairs An admirable book Richard E Danielson The Atlantic Here is one of the most significant books of World War II It is as Dr Vannevar Bush says in a foreword the brief official history of the Office of Scientific Research and Development It is the history of a rapid transition from warfare as it has been waged for thousands of years by the direct clash of hordes of men to a new type of warfare in which science becomes applied to destruction on a wholesale basis It marks therefore a turning point in the broad history of civilization The reader is constantly impressed by the valuable results obtained by the pooling of the work of British Canadian and American scientists Throughout the entire book one idea seems to stand out above all others namely that free men working as a team can outperform all the efforts of those who are driven by bureaucratic decrees John W Oliver The American Historical Review This is a book for which American scientists have been waiting it presents a clear detailed and yet stylistically most attractive account of the victory made possible by the civilian scientific research effort of our Nation during World War II It will be difficult for anyone to read this book and not become an advocate of a strong federally supported science organization to continue the research necessary for our future military preparedness and for the solution of basic peacetime problems as well Leonard Carmichael Science

Scientists Against Time, by James Phinney Baxter 3rd James Phinney Baxter, *Scientists Against Time* H. A. Feiveson, 2018-03-12 In early 1942 the fate of the Allies appeared dire Germany had conquered most of Western Europe and its armies were deep into Russia Japan had overrun Manchuria the Philippines and the Dutch East Indies had conquered large swathes of China and had destroyed much of the US battle fleet at Pearl Harbor But the tide of World War II turned dramatically in favor of the Allies and in this Allied scientists played a critical role The chapters covered in this book include an Overview summary of the entire war the Battle of Britain the Battle of the Atlantic against the German U boats the battle for command of the air the

Allied breaking of the German Enigma cipher D Day and the Allied invasion of Europe and the Manhattan Project to develop an atomic bomb Harold Feiveson is a deep student of history a masterful story teller and one of the pioneers in the global cooperative effort to stop the spread of nuclear weapons This book provides a new integrated overview of the remarkable technical achievements by the U S and British scientists who helped turn the tide of World War II Although the war seemed endless to the participants the number of world shaping developments that occurred during the six years after the world s industrialized countries committed themselves to total war is both remarkable and terrifying The final breakthrough nuclear weapons led to a post war nuclear arms race whose dangerous legacy of destructive potential we are still struggling with today Frank von Hippel Professor of Public and International Affairs emeritus Princeton University An authoritative introduction to what Winston Churchill called the wizard war Feiveson s examination of the crucial role played by science and technology in World War II will appeal to both specialists and military history buffs Colonel Paul L Miles U S Army Retired former lecturer in history Princeton University

Scientists Against Time James Phinney Baxter,1952
Scientists Against Time J.Ph Baxter (III.),1946 **Scientists against time** James P. Baxter,1948 *Scientists Against Time...* James Phinney Baxter 3d,1947 **A History of Technoscience** David F. Channell,2017-06-14 Are science and technology independent of one another Is technology dependent upon science and if so how is it dependent Is science dependent upon technology and if so how is it dependent Or are science and technology becoming so interdependent that the line dividing them has become totally erased This book charts the history of technoscience from the late nineteenth century to the end of the twentieth century and shows how the military industrial academic complex and big science combined to create new examples of technoscience in such areas as the nuclear arms race the space race the digital age and the new worlds of nanotechnology and biotechnology Scientists Against Time, Etc. [With Plates.]. James Phinney BAXTER (the Younger.),1946 History of Operations Research in the United States Army Charles R. Shrader,2006 History of Operations Research in the United States Army a comprehensive 3 volume set with each volume covering a different time span offers insights into the natural tension between military leaders and civilian scientists the establishment and growth of Army Operations Research OR organizations the use of OR techniques and the many contributions that OR managers and analysts have made to the growth and improvement of the Army since 1942 **Wisdom's Workshop** James Axtell,2023-03-07 An essential history of the modern research university When universities began in the Middle Ages Pope Gregory IX described them as wisdom s special workshop He could not have foreseen how far these institutions would travel and develop Tracing the eight hundred year evolution of the elite research university from its roots in medieval Europe to its remarkable incarnation today Wisdom s Workshop places this durable institution in sweeping historical perspective In particular James Axtell focuses on the ways that the best American universities took on Continental influences developing into the finest expressions of the modern university and enviable models for kindred institutions worldwide Despite hand wringing reports

to the contrary the venerable university continues to renew itself becoming ever more indispensable to society in the United States and beyond Born in Europe the university did not mature in America until the late nineteenth century Once its heirs proliferated from coast to coast their national role expanded greatly during World War II and the Cold War Axtell links the legacies of European universities and Tudor Stuart Oxbridge to nine colonial and hundreds of pre Civil War colleges and delves into how U S universities were shaped by Americans who studied in German universities and adapted their discoveries to domestic conditions and goals The graduate school the PhD and the research imperative became and remain the hallmarks of the American university system and higher education institutions around the globe A rich exploration of the historical lineage of today s research universities Wisdom s Workshop explains the reasons for their ascendancy in America and their continued international preeminence

Scientist as Subject Michael J. Mahoney, 2004-12-31 In this book originally published by Ballinger in 1976 Michael Mahoney documents the idiosyncracies and foibles of the scientific process as a field of endeavor A new introduction updates his discussion in light of subsequent developments including such aspects of academia as politics and tenure publication and power relations science studies and constructivist inquiry and what have come to be called the science wars

Forces of Production David Noble, 2017-07-12 Focusing on the design and implementation of computer based automatic machine tools David F Noble challenges the idea that technology has a life of its own Technology has been both a convenient scapegoat and a universal solution serving to disarm critics divert attention depoliticize debate and dismiss discussion of the fundamental antagonisms and inequalities that continue to beset America This provocative study of the postwar automation of the American metal working industry the heart of a modern industrial economy explains how dominant institutions like the great corporations the universities and the military along with the ideology of modern engineering shape the development of technology Noble shows how the system of numerical control perfected at the Massachusetts Institute of Technology MIT and put into general industrial use was chosen over competing systems for reasons other than the technical and economic superiority typically advanced by its promoters Numerical control took shape at an MIT laboratory rather than in a manufacturing setting and a market for the new technology was created not by cost minded producers but instead by the U S Air Force Competing methods equally promising were rejected because they left control of production in the hands of skilled workers rather than in those of management or programmers Noble demonstrates that engineering design is influenced by political economic managerial and sociological considerations while the deployment of equipment illustrated by a detailed case history of a large General Electric plant in Massachusetts can become entangled with such matters as labor classification shop organization managerial responsibility and patterns of authority In its examination of technology as a human social process *Forces of Production* is a path breaking contribution to the understanding of this phenomenon in American society

The American West Transformed Gerald D. Nash, 1990-01-01 The industrialization of the American West during World War II brought about rapid and far reaching social

cultural and economic changes Gerald D Nash shows that the effect of the war on that region was nothing less than explosive

Federal Historical Reports United States. Bureau of the Budget,1947 *Man of the Hour* Jennet Conant,2017-09-19

James B Conant was a towering figure who stood at the center of the great crises and challenges of the twentieth century He shaped national policy as a scientist nuclear pioneer Cold War statesman diplomat and educational reformer for nearly fifty years As a brilliant young chemist he supervised the production of poison gas in WWI As the Nazi threat loomed he boldly led the interventionist cause in WWII and was tapped by President Franklin D Roosevelt to be one of the scientific chiefs at the helm of the Manhattan Project personally overseeing the massive secret effort to develop the atomic bomb He went on to become one of America s first cold warriors led the bitter fight to reject the hydrogen bomb and campaigned tirelessly for the international control of atomic weapons He continued to exert his influence as President Eisenhower s high commissioner and then ambassador to Germany helping to secure the country s future and strengthen Europe s defenses against Soviet aggression He achieved national prominence in his twenty year reign as president of Harvard the very symbol of the intellectual and social elite and yet was a champion of meritocracy and open admissions helping to create the SAT and devoting his later life to improving public schools as the engine of democracy For all his brilliance he never understood the depression that ravaged his family but struggled to keep his wife from succumbing in the process alienating both his sons With *Man of the Hour* Jennet Conant paints a rich nuanced portrait of a great American leader and visionary the last of a vanishing breed Jacket Infantry Journal ,1947 **Mathematics and War** Bernhelm Booß-Bavnbek,Jens

Høyrup,2012-12-06 Mathematics has for centuries been stimulated financed and credited by military purposes Some mathematical thoughts and mathematical technology have also been vital in war During World War II mathematical work by the Anti Hitler coalition was part of an aspiration to serve humanity and not help destroy it At present it is not an easy task to view the bellicose potentials of mathematics in a proper perspective The book presents historical evidence and recent changes in the interaction between mathematics and the military It discusses the new mathematically enhanced development of military technology which seems to have changed the very character of modern warfare Putting Popular Music in Its Place Charles Hamm,1995-04-27 Essays on the context of popular music and its interrelationships with politics and ideology

A World Destroyed Martin J. Sherwin,2003-08-19 Continuously in demand since its first prize winning edition was published in 1975 this is the classic history of the development of the American atomic bomb the decision to use it against Japan and the origins of U S atomic diplomacy toward the Soviet Union In his Preface to this new edition the author describes and evaluates the lengthening trail of new evidence that has come to light concerning these often emotionally debated subjects The author also invokes his experience as a historical advisor to the controversial aborted 1995 Enola Gay exhibit at the National Air and Space Museum of the Smithsonian Institution This leads him to analyze the impact on American democracy of one of the most insidious of the legacies of Hiroshima the political control of historical interpretation

Reviews of Previous Editions The quality of Sherwin's research and the strength of his argument are far superior to previous accounts New York Times Book Review Probably the definitive account for a long time to come Sherwin has tackled some of the critical questions of the Cold War's origins and has settled them in my opinion Walter LaFeber Cornell University One of those rare achievements of conscientious scholarship a book at once graceful and luminous yet loyal to its documentation and restrained in its speculations Boston Globe

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