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TWENTIETH CENTURY AMERICAN HISTORY



THE MANHATTAN PROJECT

AMERICA MAKES THE FIRST ATOMIC BOMB

DON E. BEYER



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Manhattan Project America Makes The First Atomic Bomb

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Manhattan Project America Makes The First Atomic Bomb:

The Manhattan Project Don E. Beyer, 1991 Discusses the development and work of the project which created the first atomic bomb as well as its devastating effects and political consequences *The Atomic Bomb and American Society*
Rosemary B. Mariner, G. Kurt Piehler, 2009 Drawing on the latest research on the atomic bomb and its history the contributors to this provocative collection of eighteen essays set out to answer two key questions First how did the atomic bomb a product of unprecedented technological innovation rapid industrial scale manufacturing and unparalleled military deployment shape U S foreign policy the communities of workers who produced it and society as a whole And second how has American society's perception that the bomb is a means of military deterrence in the Cold War era evolve under the influence of mass media scientists public intellectuals and even the entertainment industry In answering these questions *The Atomic Bomb and American Society* sheds light on the collaboration of science and the military in creating the bomb the role of women working at Los Alamos the transformation of nuclear physicists into public intellectuals as the reality of the bomb came into widespread consciousness the revolutionary change in military strategy following the invention of the bomb and the development of Cold War ideology the image of the bomb that was conveyed in the popular media and the connection of the bomb to the commemoration of World War II As it illuminates the cultural social political environmental and historical effects of the creation of the atomic bomb this volume contributes to our understanding of how democratic institutions can coexist with a technology that affects everyone even if only a few are empowered to manage it Rosemary B Mariner is formerly Joint Chiefs of Staff Chair and Professor of Military Studies for the National War College She is currently a lecturer in history at the University of Tennessee Knoxville G Kurt Piehler is associate professor of history and former director of the Center for the Study of War and Society at the University of Tennessee Knoxville which hosted the conference that formed the basis of this volume He is the author of *Remembering War the American Way and World War II in the American Soldiers Lives Series* as well as the coeditor with John Whiteclay Chambers II of *Major Problems in American Military History* *The First Atomic Bomb* Janet Farrell Brodie, 2023-06 2024 Southwest Book of the Year On July 16 1945 just weeks before the atomic bombing of Hiroshima and Nagasaki that brought about the surrender of Japan and the end of World War II the United States unleashed the world's first atomic bomb at the Trinity testing site located in the remote Tularosa Valley in south central New Mexico Immensely more powerful than any weapon the world had seen the bomb's effects on the surrounding and downwind communities of plants animals birds and humans have lasted decades In *The First Atomic Bomb* Janet Farrell Brodie explores the history of the Trinity test and those whose contributions have rarely if ever been discussed the men and women who constructed served and witnessed the first test as well as the downwinders who suffered the consequences of the radiation Concentrating on these ordinary people laborers ranchers and Indigenous peoples who lived in the region and participated in the testing Brodie corrects the lack of coverage in existing scholarship on the essential details

and everyday experiences of this globally significant event The First Atomic Bomb also covers the environmental preservation of the Trinity test site and compares it with the wide range of atomic sites now preserved independently or as part of the new Manhattan Project National Historical Park Although the Trinity site became a significant node for testing the new weapons of the postwar United States it is known today as an officially designated National Historic Landmark Brodie presents a timely important and innovative study of an explosion that carries special historical weight in American memory

Manhattan Project Cynthia C. Kelly, 2009-02-10 The definitive collection of writings on the Manhattan Project by the pre eminent scientists historians and the everyday observers who bore witness to the birth of the modern nuclear age Begun in 1939 the Manhattan Project eventually employed more than 130 000 people including our foremost scientists and thinkers and cost nearly 2 billion while operating under a shroud of absolute secrecy This groundbreaking collection of documents essays articles and excerpts from histories biographies plays novels letters and the oral histories of key eyewitnesses provides unique perspectives for the historian and student of history all compiled by experts at the Atomic Heritage Foundation Photographs throughout depict key moments and pivotal figures The Manhattan Project gives actual voice to a significant period in history

The Brother Sam Roberts, 2014-09-16 A fresh and fast paced study of one of the most important crimes of the twentieth century The Washington Post The Brother now discloses new information revealed since the original publication in 2003 including an admission by his sons that Julius Rosenberg was indeed a Soviet spy and a confession to the author by the Rosenbergs co defendant Sixty years after their execution in June 1953 for conspiring to steal atomic secrets Julius and Ethel Rosenberg remain the subjects of great emotional debate and acrimony The man whose testimony almost single handedly convicted them was Ethel Rosenberg s own brother David Greenglass Though the Rosenbergs were executed Greenglass served a mere ten years in prison after which with a new name he disappeared But journalist Sam Roberts found Greenglass and then managed to convince him to talk about everything that had happened Since the original publication of *The Brother* Roberts sued to release grand jury testimony which further implicates Greenglass and demonstrates how the prosecution was tainted One of the defendants Morton Sobell admitted to Roberts that he and Julius Rosenberg were spies Furthermore Michael and Robert Meeropol the Rosenbergs sons acknowledged to Roberts that although their mother was not legally culpable that the secret to the atomic bomb was not compromised and that the death penalty was excessive their father was in fact guilty of conspiracy to commit espionage on behalf of the Soviet Union Now released with this important new information *The Brother* is more than ever A gripping account of the most famous espionage case in US history an excellent book written with flair and alive with the agony of the age The Wall Street Journal

The Manhattan Project Francis George Gosling, 1999 A history of the origins and development of the American atomic bomb program during WWII Begins with the scientific developments of the pre war years Details the role of the U S government in conducting a secret nationwide enterprise that took science from the laboratory and into combat with an

entirely new type of weapon Concludes with a discussion of the immediate postwar period the debate over the Atomic Energy Act of 1946 and the founding of the Atomic Energy Commission Chapters the Einstein letter physics background 1919 1939 early government support the atomic bomb and American strategy and the Manhattan district in peacetime Illustrated

Shadow of the Bomb Robert Goldsborough,2022-08-23 As the US enters WWII a series of murders at the University of Chicago threatens a top secret military research project in this historical noir Against the ominous backdrop of America's entry into World War II the navy still reels from the devastation wreaked at Pearl Harbor and the crushing defeat of US ground troops in the Philippines On the home front scientists working for Enrico Fermi at the University of Chicago labor feverishly on a secret weapon that promises to reverse the fortunes of battle However sinister forces are at work on the outwardly serene Gothic campus resulting in violent deaths While work grinds on in the shadowy catacombs beneath an abandoned football stadium work that will forever alter our world Chicago Tribune police reporter Steve Snap Malek delves into the intrigue Battling for an exclusive story and ultimately for his very life Malek finds himself in the midst of history in the making The Bomb and America's Missile Age Christopher Gainor,2018-10-15 How nuclear weapons helped drive the United States into the missile age The intercontinental ballistic missile ICBM designed to quickly deliver thermonuclear weapons to distant targets was the central weapons system of the Cold War ICBMs also carried the first astronauts and cosmonauts into orbit More than a generation later we are still living with the political technological and scientific effects of the space race while nuclear armed ICBMs remain on alert and in the headlines around the world In The Bomb and America's Missile Age Christopher Gainor explores the US Air Force's USAF decision in March 1954 to build the Atlas America's first ICBM Beginning with the story of the guided missiles that were created before and during World War II Gainor describes how the early Soviet and American rocket programs evolved over the course of the following decade He argues that the USAF was wrongly criticized for unduly delaying the start of its ICBM program endangering national security and causing America embarrassment when a Soviet ICBM successfully put Sputnik into orbit ahead of any American satellite Shedding fresh light on the roots of America's space program and the development of US strategic forces The Bomb and America's Missile Age uses evidence uncovered in the past few decades to set the creation of the Atlas ICBM in its true context not only in the America of the postwar years but also in comparison with the real story of the Soviet missiles that propelled the space race and the Cold War Aimed at readers interested in the history of the Cold War and of space exploration the book makes a major contribution to the history of rocket development and the nuclear age **Encyclopedia of War and American Society** Peter Karsten,2006 Publisher description **World War II in Literature for Youth** Patricia Hachten Wee,Robert James Wee,2004 This comprehensive volume provides a wealth of information with annotated listings of more than 3 500 titles a broad sampling of books on the war years 1939 1945 Includes both fiction and nonfiction works about all aspects of the war Professional resources for educators aligned to the educational standards for social studies technical references

periodicals and electronic resources a directory of WWII museums memorials and other institutions and topics for exploration complement this excellent library and classroom resource

A Biographical Encyclopedia of Scientists and Inventors in American Film and TV since 1930 A. Bowdoin Van Riper, 2011-09-15 Films that dramatize historical events and the lives of historical figures whether they are intended to educate or to entertain play a significant role in shaping the public's understanding of the past In *A Biographical Encyclopedia of Scientists and Inventors in American Film and TV since 1930* A. Bowdoin Van Riper focuses on the dramatized portrayals of a particular group of historical figures scientists engineers and inventors that have appeared on American film and television screens This volume analyzes individual portrayals the public images of particular scientists and inventors and the ideas about science and technology that collectively they represent In this first in depth study of how historic scientists and inventors have been portrayed on screen Van Riper catalogs nearly 300 separate performances and includes essays on the screen images of more than 80 historic scientists inventors engineers and medical researchers The individuals covered include Isaac Newton Benjamin Franklin Thomas Edison Albert Einstein Marie Curie Dian Fossey and Bill Gates Arranged chronologically by the subject's date of birth entries for each individual explain their major contributions to science and technology analyze the ways in which they've been portrayed in film and on television and conclude with a complete list of screen portrayals and a discussion of suggestions for further reading *A Biographical Encyclopedia of Scientists and Inventors in American Film and TV since 1930* will be of interest to anyone concerned with the depiction of historical events and historical figures in film and television and to anyone interested in the public understanding of science and technology

James B. Conant: Harvard to Hiroshima and the Making of the Nuclear Age James Hershberg, 2019-07-31 James B. Conant 1893-1978 was one of the titans of mid 20th century American history attaining prominence and power in multiple fields Usually remembered as an educational leader he was president of Harvard University for two tumultuous decades from the Depression to World War II to the Cold War and McCarthyism To take that job he gave up a scientific career as one of the country's top chemists and he left it twenty years later to become Eisenhower's top diplomat in postwar Germany Hershberg's prize winning study however examines a critical aspect of Conant's life that was long obscured by government secrecy his pivotal role in the birth of the nuclear age During World War II as an advisor to Roosevelt and then Truman on the elite Interim Committee that considered how to employ the bomb against Japan Conant was intimately involved in the decisions to build and use the atomic bomb During and after the Manhattan Project he also led efforts to prevent a postwar nuclear arms race between the United States and the Soviet Union that he feared threatened the survival of civilization an apocalyptic prospect he glimpsed in the first instant of the new age when he witnessed the first test of the new weapon at Alamogordo on July 16 1945 a vivid inquiry a model of historiography evocative reading Conant was central to atomic policy and progress the bomb would be as much Conant's as it was anyone's in Government His inner response to that burden responsibility has long been obscured but it is illumined here Philip Morrison The New York Times

Book Review In his splendid portrait of Conant James Hershberg has illuminated the life of a pivotal figure in the making of U S nuclear scientific educational and foreign policy for almost a half century But the book is much more It is not only an insightful narration of Conant s life it is also a brilliant and important account of the making of the nuclear age a chronicle that contains much that is new Hershberg s superb study is a chronicle of Conant s moral journey and we are the wiser for his having charted Conant s path S S Schweber Washington Post Book World James G Hershberg ably comes to grips with Conant and his hazardous times His book is vibrantly written and compelling and it breaches Conant s shield of public discretion in masterly fashion making extensive use of unpublished interviews diaries reports and correspondence pried from private and governmental repositories It is a huge ambitious work a history of the Cold War as Conant encountered it as well as a study of the man Daniel J Kevles The New Yorker a well written comprehensive nonjudgmental but sensitive biography Conant was involved in so many and such critical events that students of almost any aspect of our public life over the past half century will find useful the new material and helpful insights in this book This fine biography of one of the most important and complicated of America s twentieth century leaders immediately establishes James Hershberg as one of America s outstanding young historians Stephen E Ambrose Foreign Affairs magnificent Any reader interested in nuclear weapons Cold War history or American politics from FDR to JFK will find this biography riveting Priscilla McMillan Chicago Tribune masterful The prose is clear the narrative forceful and the author s judgments are balanced and judicious This is simply splendid biography The highest praise one can give for a book of this sort is that the historian has not shrunk from speaking truth to power This book quietly but insistently does so It should be read by the public at large as one of the definitive texts on the cold war and the nuclear age Hershberg s triumph is that he has prevailed over all the official lies to give us one more layer of the historical truth Kai Bird The Nation riveting an impressive achievement honest and comprehensive in its scholarship the author has shown himself to be a historian of notable achievement and promise McGeorge Bundy Nature Hershberg s outstanding balanced biography lifts the self imposed secrecy surrounding a key architect of U S Cold War policy and of the nuclear age Publisher s Weekly an impressive and substantial achievement Hershberg has used the life of one strategically placed individual to illuminate the most important issues surrounding America s role and conduct in the nuclear age His book will be invaluable to scholars assessing the impact and legacy of the group who acquired the epithet wise men now that the Cold War has receded Carol S Gruber Science definitive a far more textured picture than one finds in Conant s own guarded and unrevealing autobiography an important and rewarding book illuminating Conant led a remarkable and eventful life in remarkable and eventful times James Hershberg has explored that life and those times in exhaustive and revealing detail Paul Boyer The New Republic James G Hershberg has achieved the impossible He has written a huge biography of a Harvard president that is fascinating informative and as valuable a piece of American history as anything I have read in years Mr Hershberg has brought us back vividly to an age that seems remote so

long ago but the questions about nuclear proliferation are the same even while the answers are still ambiguous As we watch men struggling with unanticipated post Cold War problems and civil wars sprouting like Jason s men at arms it is good to read this story about a complex man who deserves an important place in our history because he helped make that history possible Arnold Beichman The Washington Times engrossing A magisterial study of an awesome and intriguing public career Kirkus Reviews entertaining thought provocative Dick Teresi The Wall Street Journal Hershberg s book helps us more clearly understand the postwar Establishment and offers a challenging appraisal of the role of elites of universities and of the state Gar Alperovitz In These Times Hershberg deserves great credit for cracking a tough New England walnut analyzing this very important public figure demonstrating how he fit into his own time and showing us what we can learn from the man Daniel R Mortensen The Friday Review of Defense Literature a compelling account an engaging examination of one of the central figures of the nuclear age It succeeds in showing one man s intersection with great events and issues and in the process illuminates those issues for us all American Historical Review well written Conant s participation in one of our country s most dynamic periods is thanks to Hershberg now much better understood Library Journal A reader of the book will enter the realm of the greats the shapers of worlds created by the atomic blasts at Hiroshima and Nagasaki Conant was no bit player in Cold War history the book is very successful in weaving Conant s subsurface persona in with his ups and downs as a prominent and committed public figure And it leaves out little detail in describing top level decisions involving the Cold War geopolitics of nuclear weaponry Conant was a participant in most of these decisions with Presidents Roosevelt and Truman themselves their Secretaries of War and State and of course all the major scientific figures of the time Chemical Engineering News A wonderfully rich portrait that emerges from a carefully documented account of Conant s role in the development of the atomic bomb and post war nuclear policy An extraordinarily well written text Hershberg lays bare the person behind the persona warts dimples and all Stanley Goldberg Bulletin of the Atomic Scientists

Social History of the United States
Brian Greenberg,Linda S. Watts,Richard A. Greenwald,Gordon Reavley,Alice L. George,Scott Beekman,Cecelia Bucki,Mark Ciabattari,John C. Stoner,Troy D. Paino,Laurie Mercier,Andrew Hunt,Peter C. Holloran,Nancy Cohen,2008-10-23 This ten volume encyclopedia explores the social history of 20th century America in rich authoritative detail decade by decade through the eyes of its everyday citizens Social History of the United States is a cornerstone reference that tells the story of 20th century America examining the interplay of policies events and everyday life in each decade of the 1900s with unmatched authority clarity and insight Spanning ten volumes and featuring the work of some of the foremost social historians working today Social History of the United States bridges the gap between 20th century history as it played out on the grand stage and history as it affected and was affected by citizens at the grassroots level Covering each decade in a separate volume this exhaustive work draws on the most compelling scholarship to identify important themes and institutions explore daily life and working conditions across the economic spectrum and examine all aspects of the American experience

from a citizen's eye view Casting the spotlight on those whom history often leaves in the dark Social History of the United States is an essential addition to any library collection *American Economic History* James S. Olson, Abraham O. Mendoza, 2015-04-28 Covering figures events policies and organizations this comprehensive reference tool enhances readers appreciation of the role economics has played in U S history since 1776 A study of the U S economy is important to understanding U S politics society and culture To make that study easier this dictionary offers concise essays on more than 1 200 economics related topics Entries cover a broad array of pivotal information on historical events legislation economic terms labor unions inventions interest groups elections court cases economic policies and philosophies economic institutions and global processes Economics focused biographies and company profiles are featured as sidebars and the work also includes both a chronology of major events in U S economic history and a selective bibliography Encompassing U S history since 1776 with an emphasis on recent decades entries range from topics related to the early economic formation of the republic to those that explore economic aspects of information technology in the 21st century The work is written to be clearly understood by upper level high school students but offers sufficient depth to appeal to undergraduates In addition the general public will be attracted by informative discussions of everything from clean energy to what keeps interest rates low

America's Nuclear Legacy Wayne D. LeBaron, 1998 This book takes the reader through the testing of nuclear weapons during the Cold War and describes their devastating effects on American citizens while the BIG LIE was forced on the public that fallout and radiation was safe It contains horror stories involving government sponsored research programs which deliberately exposed infants pregnant women mental patients military personnel and prisoners to dangerous levels of radiation All conducted without the victims full knowledge and consent America's Nuclear Legacy describes military accidents involving missiles and nuclear weapons come almost resulted in thermonuclear war It describes secret nuclear testing in the US Accidents and near catastrophes are explored involving nuclear power reactors weapons plants and nuclear waste sits in America and in the former Soviet Union With the world awash with nuclear materials and terrorists the book tells of missing nuclear materials missiles and nuclear weapons and the race by unstable nations to obtain nuclear weapons The ease which terrorist nations are able to obtain nuclear secrets from former Soviet scientists is described including how easily nuclear terrorism will be waged against the United States and other nations Bulletin of the Atomic Scientists

, 1951-05 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 **Physics Insights 'O' Level** Wan Yong Loo, 2007 *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

Focus On: 100 Most Popular American Agnostics Wikipedia contributors, *Making America Safer* United States. Congress. Senate. Committee on Governmental Affairs, 2005

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