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The Making Of The Atomic Bomb

Richard Rhodes The Making of the Atomic Bomb Audiobook Part 1 The Making of the Atomic Bomb by Richard Rhodes | Summary Richard Rhodes The Making of the Atomic Bomb Audiobook Part 2 The Making of the Atomic Bomb - Richard Rhodes Richard Rhodes The Making of the Atomic Bomb Audiobook Part 3 Book Report! - The Making of the Atomic Bomb How Tsar bomba works! Worlds biggest nuclear bomb ever detonated / learn from the base Richard Rhodes's Interview 2001 interview with Paul Tibbets, the pilot who dropped the atomic bomb on Hiroshima Oppenheimer Atomic bomb How it Works | First Nuclear Bomb The Universal One - Walter Russell - Full Audio Book How to become 37.78 times better at anything | Atomic Habits summary (by James Clear) August 2017 Wrap Up From the archives: Robert Oppenheimer in 1965 on if the bomb was necessary Free Audiobook: Atomic Habits: An Easy \u0026 Proven Way to Build Good Habits \u0026 Break Bad Ones\": Summary Richard Rhodes Interview by Edna DeVore (SETIcon 2012) History Book Review: The Making of the Atomic Bomb by Richard Rhodes Atomic Habits for Success | Psychology \u0026 Habit Formation Explained The Making of the Atomic Bomb | Analysis | Richard Rhodes The Making of the Atomic Bomb by Richard Rhodes | □technical and Thorough and horrifying□ Richard Rhodes - Oppenheimer, Spies, AI, \u0026 Armageddon Making of the Atomic Bomb: 25th Anniversary... by Richard Rhodes · Audiobook preview Richard Rhodes The Making of the Atomic Bomb Audiobook Part 4 \"The Making of the Atomic Bomb\" By Richard Rhodes The Making of the Atomic Bomb: 25th Anniversary Edition The Atomic Bomb Bible Is a Book About the AI Doomsday The Making of the Atomic Bomb: A motion graphics interpretation THE MAKING OF THE ATOMIC BOMBYOU CAN HAVE THIS BOOK FOR FREE. Richard Rhodes's Interview (2018)

Insights Into J. Robert Oppenheimer, "Father of the Atomic Bomb"
The Manhattan Project
Nuclear Weapons, the Damascus Accident, and the Illusion of Safety
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The Making Of The Atomic Bomb	***OMB No. 2175063969808 edited by***

FRANKLIN GIOVANNA

Insights Into J. Robert Oppenheimer, "Father of the Atomic Bomb" Simon and Schuster
Richard Rhodes's 1986 Pulitzer Prize-winning book The Making of the Atomic Bomb narrates the years preceding the Hiroshima and Nagasaki bombings. It focuses on how a group of international physicists uncovered nature's potential for destruction through advances in nuclear physics and quantum theory. They harnessed the power of physics to develop the first atomic bombs... Purchase this in-depth summary to learn more.
The Manhattan Project
Univ of California Press
"Nuclear weapons, since their conception, have been the subject of secrecy. In the months after the dropping of the atomic bombs on Hiroshima and Nagasaki, the American scientific establishment, the American government, and the American public all wrestled with what was called the "problem of secrecy," wondering not only whether secrecy was appropriate and effective as a means of controlling this new technology but also whether it was compatible with the country's core values. Out of a messy context of propaganda, confusion, spy scares, and the grave counsel of competing groups of scientists, what historian Alex Wellerstein calls a "new regime of secrecy" was put into place. It was unlike any other previous or since. Nuclear secrets were given their own unique legal designation in American law ("restricted data"), one that operates differently than all other forms of national security classification and exists to this day. Drawing on massive amounts of declassified files, including records released by the government for the first time at the author's request, Restricted Data is a narrative account of nuclear secrecy and the tensions and uncertainty that built as the Cold War continued. In the US, both science and democracy are pitted against nuclear secrecy, and this makes its history uniquely compelling and timely"--

Nuclear Weapons, the Damascus Accident, and the Illusion of Safety

Duke University Press
The Making of the Atomic Bomb
Manhattan Project
World Scientific
The Pulizer Prize-winning author of The Making of the Atomic Bomb narrates the story of the postwar superpower arms race that culminated in the Reagan-Gorbachev era when the U.S. and Soviet Union came all too close to nuclear war, chronicling the nuclear policies on both sides following World War II and their implications for global peace and security. Reprint. 20,000 first printing.
Pandora's Keepers
Vintage
More than seventy years ago, the world changed forever when American forces exploded the first atomic bomb over the Japanese city of Hiroshima on August 6, 1945,

starting a massive firestorm that would kill some 80,000 enemy civilians. Three days later, the US exploded a second bomb over Nagasaki, killing another 40,000. Though the bombs did not end the war, they contributed urgently to the Japanese decision to surrender and demonstrated to the world the vast destructive power of a revolutionary new weapon. "Little Boy" and "Fat Man" originated in March 1943 when a group of young scientists, sequestered on a mesa near Santa Fe, attended a crash course in the new weapons technology. The lecturer was physicist Robert Serber, J. Robert Oppenheimer's protégé, and they learned that their job was to design and build the world's first atomic bombs. Notes on Serber's lecture, nicknamed the "Los Alamos Primer," were mimeographed and passed from hand to hand. They remained classified for decades after the war. Published for the first time in 1992, the Primer offers contemporary readers a better understanding of the origins of nuclear weapons. Serber's preface, an informal memoir, vividly conveys the mingled excitement, uncertainty, and intensity felt by the Manhattan Project scientists. Now, 75 years since the bombs shocked the world, an updated foreword by Pulitzer Prize-winning historian Richard Rhodes offers a brief history of the development of nuclear physics up to the day when Serber stood before his blackboard at Los Alamos. A seminal publication on a turning point in human history, The Los Alamos Primer reveals just how much was known and how terrifyingly much was unknown midway through the Manhattan Project. No other seminar anywhere has had greater historical consequences.

Bomb

Milkyway Media
In December of 1938, a chemist in a German laboratory made a shocking discovery: When placed next to radioactive material, a Uranium atom split in two. That simple discovery launched a scientific race that spanned 3 continents. In Great Britain and the United States, Soviet spies worked their way into the scientific community; in Norway, a commando force slipped behind enemy lines to attack German heavy-water manufacturing; and deep in the desert, one brilliant group of scientists was hidden away at a remote site at Los Alamos. This is the story of the plotting, the risk-taking, the deceit, and genius that created the world's most formidable weapon. This is the story of the atomic bomb.
Bomb is a 2012 National Book Awards finalist for Young People's Literature.
Bomb is a 2012 Washington Post Best Kids Books of the Year title.
Bomb is a 2013 Newbery Honor book.
James B. Conant: Harvard to Hiroshima and the Making of the Nuclear Age
University of Chicago Press
Here, for the first time, in a brilliant, panoramic portrait by the Pulitzer Prize-winning author of The Making of the Atomic Bomb, is the definitive, often shocking story of the politics and the science behind the development of the hydrogen bomb and the birth of the Cold War. Based on secret files in the United States and the former Soviet Union, this monumental work of history discloses how and why the United States decided to create the bomb that would

dominate world politics for more than forty years.

Nine Men and the Atomic Bomb Harvard University Press

The Oscar-shortlisted documentary Command and Control, directed by Robert Kenner, finds its origins in Eric Schlosser's book and continues to explore the little-known history of the management and safety concerns of America's nuclear aresenal. “A devastatingly lucid and detailed new history of nuclear weapons in the U.S. Fascinating.” —Lev Grossman, TIME Magazine “Perilous and gripping . . . Schlosser skillfully weaves together an engrossing account of both the science and the politics of nuclear weapons safety.” —San Francisco Chronicle A myth-shattering exposé of America’s nuclear weapons Famed investigative journalist Eric Schlosser digs deep to uncover secrets about the management of America’s nuclear arsenal. A groundbreaking account of accidents, near misses, extraordinary heroism, and technological breakthroughs, Command and Control explores the dilemma that has existed since the dawn of the nuclear age: How do you deploy weapons of mass destruction without being destroyed by them? That question has never been resolved—and Schlosser reveals how the combination of human fallibility and technological complexity still poses a grave risk to mankind. While the harms of global warming increasingly dominate the news, the equally dangerous yet more immediate threat of nuclear weapons has been largely forgotten. Written with the vibrancy of a first-rate thriller, Command and Control interweaves the minute-by-minute story of an accident at a nuclear missile silo in rural Arkansas with a historical narrative that spans more than fifty years. It depicts the urgent effort by American scientists, policy makers, and military officers to ensure that nuclear weapons can’t be stolen, sabotaged, used without permission, or detonated inadvertently. Schlosser also looks at the Cold War from a new perspective, offering history from the ground up, telling the stories of bomber pilots, missile commanders, maintenance crews, and other ordinary servicemen who risked their lives to avert a nuclear holocaust. At the heart of the book lies the struggle, amid the rolling hills and small farms of Damascus, Arkansas, to prevent the explosion of a ballistic missile carrying the most powerful nuclear warhead ever built by the United States. Drawing on recently declassified documents and interviews with people who designed and routinely handled nuclear weapons, Command and Control takes readers into a terrifying but fascinating world that, until now, has been largely hidden from view. Through the details of a single accident, Schlosser illustrates how an unlikely event can become unavoidable, how small risks can have terrible consequences, and how the most brilliant minds in the nation can only provide us with an illusion of control. Audacious, gripping, and unforgettable, Command and Control is a tour de force of investigative journalism, an eye-opening look at the dangers of America’s nuclear age.

The Los Alamos Primer Flash Point

In 1974 India exploded an atomic device. In May 1998 the new BJP Government exploded several more,

encountering in the process domestic plaudits but international condemnation and a nuclear arms race in South Asia. This book is the first serious historical account of the development of nuclear power in India and of how the bomb came to be made. The author questions orthodox interpretations implying that it was a product of the Indo-Pakistani conflict. Instead, he suggests that the explosions had nothing to do with national security as conventionally understood. Instead he demonstrates the linkages that existed between the two apparently separate discourses of national security and national development, and explores their common underlying basis in postcolonial states. The result is a remarkable book that breaks new ground in integrating comparative politics, international relations and cultural studies.

The Extraordinary Story of the Atomic Bomb and the 116 Days That Changed the World

University of Illinois Press
This chilling, futuristic novel, written in 1913 and first published the following year, was incredibly prophetic on a major scale. Wells was a genius and visionary, as demonstrated by many of his other works, but this book is clearly one of his best. He predicts nuclear warfare years before research began and describes the chain reactions involved and the resulting radiation. He describes a weapon of enormous destructive power, used from the air that would wipe out everything for miles, and actually used the term "atomic bombs." This book may have been at least part of the original inspiration for the development of atomic weapons, as well as presenting many other ideas that would ultimately come to pass. Some ideas may still be coming, including a one-world government referred to as The World Republic, that will attempt to end all wars.

Tracking The Secrets Of A Terrifying New Plague W. W. Norton & Company
Finalist for the National Book Critics Circle Award: the "intensely exciting" story of a group of brilliant scientists who set out to answer the deepest questions about the origin of the universe and changed the course of physics and astronomy forever (Newsday). In southern California, nearly a half century ago, a small band of researchers — equipped with a new 200-inch telescope and a faith born of scientific optimism — embarked on the greatest intellectual adventure in the history of humankind: the search for the origin and fate of the universe. Their quest would eventually engulf all of physics and astronomy, leading not only to the discovery of quasars, black holes, and shadow matter but also to fame, controversy, and Nobel Prizes. Lonely Hearts of the Cosmos tells the story of the men and women who have taken eternity on their shoulders and stormed nature in search of answers to the deepest questions we know to ask. "Written with such wit and verve that it is hard not to zip through in one sitting." —Washington Post
Penguin
Traces the development of the atomic bomb from Leo Szilard's concept through the drama of the race to build a workable device to the dropping of the bomb on Hiroshima
The Making of the Nuclear

Arms Race Simon and Schuster
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.

Countdown 1945
Morgan & Claypool Publishers
Providing an understanding of the relationship with death, both as an individual and as a member of society. This book is intended to contribute to your understanding of your relationship with death, both as an individual and as a member of society. Kastenbaum shows how individual and societal attitudes influence both how and when we die and how we live and deal with the knowledge of death and loss. Robert Kastenbaum is a renowned scholar who developed one of the world's first death education courses and introduced the first text for this market. This landmark text draws on contributions from the social and behavioral sciences as well as the humanities, such as history, religion, philosophy, literature, and the arts, to provide thorough coverage of understanding death and the dying process. Learning Goals Upon completing this book, readers should be able to: -Understand the relationship with death, both as an individual and as a member of society -See how social forces and events affect the length of our lives, how we grieve, and how we die -Learn how dying people are perceived and treated in our society and what can be done to provide the best possible care -Master an understanding of continuing developments and challenges to hospice (palliative care). -Understand what is becoming of faith and doubt about an afterlife

Book One

BEYOND BOOKS HUB
From New York Times bestselling author Sam Kean comes the gripping, untold story of a renegade group of scientists and spies determined to keep Adolf Hitler from obtaining the ultimate prize: a nuclear bomb. Scientists have always kept secrets. But rarely have the secrets been as vital as they were during World War II. In the middle of building an atomic bomb, the leaders of the Manhattan Project were alarmed to learn that Nazi Germany was far outpacing the Allies in nuclear weapons research. Hitler, with just a few pounds of uranium, would have the capability to reverse the entire D-Day operation and conquer Europe. So they assembled a rough and motley crew of geniuses -- dubbed the Alsos Mission -- and sent them careening into Axis

territory to spy on, sabotage, and even assassinate members of Nazi Germany's feared Uranium Club. The details of the mission rival the finest spy thriller, but what makes this story sing is the incredible cast of characters -- both heroes and rogues alike -- including: Moe Bergm, the major league catcher who abandoned the game for a career as a multilingual international spy; the strangest fellow to ever play professional baseball. Werner Heisenberg, the Nobel Prize-winning physicist credited as the discoverer of quantum mechanics; a key contributor to the Nazi's atomic bomb project and the primary target of the Alsos mission. Colonel Boris Pash, a high school science teacher and veteran of the Russian Revolution who fled the Soviet Union with a deep disdain for Communists and who later led the Alsos mission. Joe Kennedy Jr., the charismatic, thrill-seeking older brother of JFK whose need for adventure led him to volunteer for the most dangerous missions the Navy had to offer. Samuel Goudsmit, a washed-up physics prodigy who spent his life hunting Nazi scientists -- and his parents, who had been swept into a concentration camp -- across the globe. Irène and Frederic Joliot-Curie, a physics Nobel-Prize winning power couple who used their unassuming status as scientists to become active members of the resistance. Thrust into the dark world of international espionage, these scientists and soldiers played a vital and largely untold role in turning back one of the darkest tides in human history.

Command and Control
Simon and Schuster
Describes the scientific discoveries and political circumstances behind the decision to develop atomic weapons; recounts the history of the Manhattan Project; and examines the influence of nuclear weapons on the modern world.

Atomic Fragments

Simon and Schuster
Looks at the contributions of the thousands of women who worked at a secret uranium-enriching facility in Oak Ridge, Tennessee during World War II.

Remembering the Manhattan Project
Plunkett Lake Press
"The Spanish Civil War (1936-1939) inspired and haunted an extraordinary number of exceptional atrists and writers, including Pablo Picasso, Joan Miro, Martha Gelhorn, Ernest Hemingway, George Orwell, and John Dos Passos. It spurred breakthroughs in military and medical technology. New aircraft, weapons, tactics, and strategy all emerged in the intense Spanish conflict. Progress also arose from the horror: doctors and nurses who volunteered to serve with the Spanish defenders devised major advances in battlefield surgery and frontline blood tansfusion. Rhodes takes us into the battlefields, bomb shelters, and hospitals; into the studios of artists; and into the hearts and minds of a rich cast of characters, showing how the ideological, aesthetic, and technological developments that emerged in Spain changed the world forever." --

The Making of the Indian Atomic Bomb
Little, Brown
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.
Lonely Hearts of the Cosmos Referencepoint PressInc
They were nine brilliant men who believed in science and who saw before anyone else the awesome workings of an invisible world. They came from many places, some fleeing Nazism in Europe, others quietly slipping out of university teaching jobs, all gathering in secret wartime laboratories to create the world's first atomic bomb. During World War II, few of the atomic scientists questioned the wisdom of their desperate endeavor.

But afterward they were forced to deal with the sobering legacy of their creation. Some were haunted by the dead of Hiroshima and Nagasaki and became anti-nuclear weapons activists; others went on to build even deadlier bombs. In explaining their lives and their struggles, Brian VanDeMark superbly illuminates not only their moral reckoning with their horrific creation but also the ways in which each of us grapples with responsibility and unintended consequences.