

The Making Of The Atomic Bomb

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The Making of the Atomic Bomb Richard Rhodes, 2012-06-12 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 Atomic Bomb Richard Rhodes, 1986 Details the making of the atomic bomb Includes diagrams and pictures documenting people and places Remembering The Manhattan Project - Perspectives On The Making Of The Atomic Bomb & Its Legacy Cynthia C Kelly, 2005-01-27 During World War II nations raced to construct the world s first nuclear weapon that would determine the future of the world The Manhattan Project one of the most significant achievements of the 20th century was the culmination of America's war effort Today although the issue of nuclear weapons frequently dominates world politics few are aware of the history behind its development Part I of this book comprised of papers from the Atomic Heritage Foundation's Symposium on the Manhattan Project recounts the history of this remarkable effort and reflects upon its legacy Most of the original structures of the Manhattan Project have been inaccessible to the public and in recent years have been stripped of their equipment and slated for demolition Part II proposes a strategy for preserving these historical artifacts for the public and future generations This book has been selected for coverage in Index to Scientific Technical Proceedings ISTP CDROM version ISI Proceedings Index to Social Sciences Humanities Proceedings ISSHP ISI Proceedings Index to Social Sciences Humanities Proceedings ISSHP CDROM version ISI Proceedings CC Remembering the Manhattan Project Cynthia C. Kelly, 2004 During World Proceedings Engineering Physical Sciences War II nations raced to construct the world's first nuclear weapon that would determine the future of the world The Manhattan Project one of the most significant achievements of the 20th century was the culmination of America's war effort Today although the issue of nuclear weapons frequently dominates world politics few are aware of the history behind its development Part I of this book comprised of papers from the Atomic Heritage Foundation's Symposium on the Manhattan Project recounts the history of this remarkable effort and reflects upon its legacy Most of the original structures of the Manhattan Project have been inaccessible to the public and in recent years have been stripped of their equipment and slated for demolition Part II proposes a strategy for preserving these historical artifacts for the public and future generations This book has been selected for coverage in Index to Scientific Technical Proceedings ISTP CDROM version ISI Proceedings Index to Social Sciences Humanities Proceedings ISSHP ISI Proceedings Index to Social Sciences Humanities Proceedings ISSHP CDROM version ISI Proceedings CC Proceedings Engineering Physical Sciences 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 Manhattan Project Al Cimino, 2025-06-03 The dropping of the first atomic bomb on Hiroshima on 6 August 1945 announced to the world that nuclear weapons were no longer the stuff of imagination From its inception in 1941 the Manhattan Project saw some of the West's best physicists and engineers develop the most potent armament known to man In this book Al Cimino explains the events that led to President Roosevelt sanctioning the development of the bomb and recounts the dramatic story of how a gifted and often conflicted group of people devoted themselves to unlocking the secrets of nuclear Summary of Richard Rhodes's The Making of the Atomic Bomb by Milkyway Media Milkyway Media, 2018-09-06 fission 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 Manhattan Project Stéphane Groueff, 1957 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 Richard Rhodes's "The Making of the Atomic Bomb" Gale, Cengage Learning, 2016 The Manhattan Project Cynthia C. Kelly, 2020-07-07 On the seventy fifth anniversary of the first atomic bomb discover new reflections on the Manhattan Project from President Barack Obama hibakusha survivors and the modern day mayors of Hiroshima and Nagasaki The creation of the atomic bomb during World War II codenamed the Manhattan Project was one of the most significant and clandestine scientific undertakings of the 20th century It forever changed the nature of war and cast a shadow over civilization Born out of a small research program that began in 1939 the Manhattan Project would eventually employ nearly 600 000 people and cost about 2 billon 28 5 billion in 2020 all while operating under a shroud of complete secrecy On the 75th anniversary of this profoundly crucial moment in history this newest edition of The Manhattan Project is updated with writings and reflections from the past decade and a half This groundbreaking collection of essays articles documents and excerpts from histories biographies plays novels letters and oral histories remains the most comprehensive collection of primary source material of the atomic bomb The Making of the Atomic Bomb Hal Marcovitz, 2014-08 This title explores the historical development of the atomic bomb The Los Alamos Primer Robert Serber, 2020-04-07 More than seventy years ago American forces exploded the first atomic bombs over the Japanese cities of Hiroshima and Nagasaki causing great physical and human destruction The young scientists at Los Alamos who developed the bombs which were nicknamed Little Boy and Fat Man were introduced to the basic principles and goals of the project in March 1943 at a crash course in new weapons technology The lecturer was physicist Robert Serber J Robert Oppenheimer's prot q and the scientists learned that their job was to design and build the world's first atomic bombs Notes on Serber's lectures were gathered into a mimeographed document titled TheLos Alamos Primer which was supplied to all incoming scientific staff The Primer 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 vividly conveys the mingled excitement uncertainty and intensity felt by the Manhattan Project scientists This edition includes an updated introduction by Pulitzer Prize winning historian Richard Rhodes 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 Summary of Richard Rhodes's the Making of the Atomic Bomb by Milkyway Media Milkyway Media, 2018-10-12 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

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Government's energy programs With these programs came a score of organizational entities each with its own history and traditions from a dozen departments and independent agencies The History Division has prepared a series of monographs on The Origins of the Department of Energy Each explains the history goals and achievements of a predecessor agency or a major program of the Department of Energy The Manhattan Project Making the Atomic Bomb is a short history of the origins and development of the American atomic bomb program during World War II Beginning with the scientific development of the pre war years the monograph details the role of United States government in conducting a secret nationwide enterprise that took science from the laboratory and into combat with an entirely new type of weapon The monograph 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

The Untold Story of the Making of the Atomic Bomb Stephane Groueff,1967

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