

Project Y The Los Alamos Story

Part I: Toward Trinity

by Robert Serber

Part II: Beyond Trinity

by Robert Serber

with a foreword by J. Robert Oppenheimer



Los Alamos National Laboratory



International Association of Nuclear Energy

Project Ythe Los Alamos Story

I.-Juliana Christy



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Project Y, the Los Alamos Story David Hawkins, Edith C. Truslow, Ralph Carlisle Smith, 1983 Enth It Part I Toward trinity David Hawkins Beyond trinity Edith C Truslow and Ralph Carlisle Smith **Inventing Los Alamos** Jon Hunner, 2014-08-04 A social history of New Mexico s Atomic City Los Alamos New Mexico birthplace of the Atomic Age is the community that revolutionized modern weaponry and science An instant city created in 1943 Los Alamos quickly grew to accommodate six thousand people scientists and experts who came to work in the top secret laboratories others drawn by jobs in support industries and the families How these people as a community faced both the fevered rush to create an atomic bomb and the intensity of the subsequent cold war era is the focus of Jon Hunner s fascinating narrative history Much has been written about scientific developments at Los Alamos but until this book little has been said about the community that fostered them Using government records and the personal accounts of early residents Inventing Los Alamos traces the evolution of the town during its first fifteen years as home to a national laboratory and documents the town s creation the lives of the families who lived there and the impact of this small community on the Atomic Age **Critical Assembly** Lillian Hoddeson, Paul W. Henriksen, Roger A. Meade, 2004-02-12 This 1993 book explores how the critical assembly of scientists at Los Alamos created the first atomic bombs **The History of Nuclear Power, Revised Edition** James Mahaffey, 2020-03-01 The discovery and application of nuclear power is one of the most profound scientific accomplishments of the 20th century beginning with tentative explorations of the structure of matter expanding into a rapid succession of unexpected discoveries and finally settling into a seamless transition from theoretical science to applied engineering There were many changes to nuclear power during this century science transitioned from an academic pursuit to an industry the use of uranium changed from an occasional orange or green dye in ceramics to major power fuel and public safety concerns shifted from boiler explosions on steamboats to nuclear reactor explosions on continents Written in clear and accessible language The History of Nuclear Power Revised Edition describes the sequence of these changes as science and technology rapidly matured more than a hundred years and as the scale of civilization and its energy needs expanded Providing a fundamental introduction to this complicated subject this updated full color resource is ideal for high school and college students interested in the future through a study of the past **On Rims & Ridges** Hal Rothman, 1997-01-01 New Mexico s Pajarito Plateau encompasses the Bandelier National Monument and the atomic city of Los Alamos On Rims and Ridges throws into stark relief what happens when native cultures and Euro American commercial interests interact in such a remote area with limited resources The demands of citizens and institutions have created a form of environmental gridlock more often associated with Manhattan Island than with the semiurban West writes Hal K Rothman **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

Target Hiroshima A B Christman,2014-02-15 For better or worse Navy captain William S Deak Parsons made the atomic bomb happen As ordnance chief and associate director at Los Alamos Parsons turned the scientists nuclear creation into a practical weapon As weaponeer he completed the assembly of Little Boy during the flight to Hiroshima As bomb commander he approved the release of the bomb that forever changed the world Yet over the past fifty years only fragments of his story have appeared in part because of his own self effacement and the nation s demand for secrecy Based on recently declassified Manhattan Project documents including Parsons logs and other untapped sources the book offers an unvarnished account of this unsung hero and his involvement in some of the greatest scientific advances of the twentieth century

Programmatic EIS for Stockpile Stewardship and Management ,1996 Five Days in August Michael D. Gordin,2015-08-18 Most Americans believe that the Second World War ended because the two atomic bombs dropped on Japan forced it to surrender Five Days in August boldly presents a different interpretation that the military did not clearly understand the atomic bomb s revolutionary strategic potential that the Allies were almost as stunned by the surrender as the Japanese were by the attack and that not only had experts planned and fully anticipated the need for a third bomb they were skeptical about whether the atomic bomb would work at all With these ideas Michael Gordin reorients the historical and contemporary conversation about the A bomb and World War II Five Days in August explores these and countless other legacies of the atomic bomb in a glaring new light Daring and iconoclastic it will result in far reaching discussions about the significance of the A bomb about World War II and about the moral issues they have spawned

Instrumental in War Steven Walton,2005-05-01 Scientific research and instrumentation are crucial for military action today but they have not always been so This collection investigates 500 years of the relationship between warfare research and instruments both physical and intellectual to understand this interaction With U S English and French examples contributors provide examples from army and naval history to show how governments and individuals made warfare scientific developing instruments stations and organizations that furthered the cause Some developments directly aided war efforts others were parts of normal science in peacetime and others were relatively ineffective in directly bringing about military change These developmental histories shed light on the origins of modern scientific warfare Contributors Steven A Walton William A Lynch Jamel Ostwald Seymour H Mauskopf James R Fleming Gerard P Scharfenberger William M McBride David Alan Grier Sebastien Soubiran Kenton Kroker Deborah J Warner Peter Galison

World War II in Asia and the Pacific and the War's Aftermath, with General Themes Loyd Lee,1998-10-23 A companion to World War II in Europe Africa and the Americas this

volume reevaluates the most enduring literature on basic aspects of the war in Asia and the Pacific. It also covers themes pertaining to societies at war, culture, the arts, and science and technology, as well as international relations and the postwar world. Included are not only grand strategy, military and naval campaigns, and matters of diplomacy, but also resistance, collaboration, prisoners of war, and broad topics of the home front, including chapters on gender issues, film, literature, popular culture, and propaganda. This volume and its companion provide the first comprehensive historiographic reference work on the war. Each chapter describes the state of knowledge on the topic, relating each bibliographic reference to the chapter's themes and issues, and concludes with a bibliography. Recent original scholarship is included when it aids new understanding, and older works of enduring value also find a place. The essays in this volume will interest scholars and college teachers as well as advanced students and serious amateurs seeking insight into the history of the war and its literature. **Uranium Wars**

Amir D. Aczel, 2025-08-22. Called one of our best science popularizers by Publishers Weekly, Amir D. Aczel tackles the cause of one of the last century's most destructive events: the scientific discovery of nuclear power. Drawing on his rich storytelling skills, Aczel presents the fascinating and suspenseful story of the scientists who first uncovered the potential of uranium. **Uranium Wars** takes the reader on a whirlwind tour of 1920s Europe, where the scientific elite of the day were embroiled in a fierce rivalry to achieve nuclear fission. Leading us to an understanding of both the processes that take place inside a uranium nucleus and the brilliant men and women at the heart of the race, mammoth figures such as Marie Curie, Enrico Fermi, and Lise Meitner are enmeshed in the story of scientific intrigue. It is the complex and ongoing story of uranium itself which Aczel presents as a dynamic, dual-natured force capable of providing both abundant, usable energy and generating unfathomable destructive power. From the nuclear programs in the Middle East to plans for nuclear reactors at home, the element uranium is never far from today's headlines. [Achieving the Rare](#) I. Juliana

Christy, 2013. Robert F. Christy was a fascinating physicist who was one of the key players in some of the most dramatic events of the 20th century. He was one of Oppenheimer's students whom Oppenheimer hailed as "one of the best in the world." He was a co-creator of the world's first nuclear reactor and the first atom bombs, of which the most practical design was called the "Fat Man." Later, he became a leader in the effort to contain nuclear proliferation, leading up to the SALT talks and heading a study on long-term health effects of radiation crucial for medical safety standards. He also made pioneering contributions in the field of astrophysics, working on the variable stars Cepheids that are key distance indicators in the universe. Robert was equally fascinating as a person. He remarried at nearly 60 to an astrophysicist 26 years younger from some 6,000 miles initial separation. They had two daughters late in his life. Robert stayed active both professionally and physically into his nineties. He would still gallop on his horse at the age of 93. This biography is brought alive not only with words but also with the many treasured photographs of Robert, his family, and his colleagues. [Atomic Women](#)

Roseanne Montillo, 2020-05-19. Meet the female scientists who served as both developers of the atomic bomb and the

first line of criticism against it in this nonfiction narrative in the tradition of Bomb and Code Girls They were leaning over the edge of the unknown and afraid of what they would discover there Recruited from labs and universities from across the United States and even from countries abroad a little known group of female scientists were invited into the secret sites of the Manhattan Project During World War II these women worked on and in some cases initiated the development of the atomic bomb taking starring roles in one of history's most infamous scientific feats But despite their involvement critical to the project's success many of them weren't made fully aware of the consequences This book explores not just the steps toward the creation of a successful nuclear bomb but also the moral implications of such an invention and how female scientists of the time grappled with the fallout In an eye opening revisionist history this book celebrates the diversity and complexity of a watershed moment in history The atomic women you'll learn about include Lise Meitner and Irène Joliot-Curie daughter of Marie Curie who laid the groundwork for the Manhattan Project from Europe Elizabeth Rona the foremost expert in plutonium who gave rise to Fat Man and Little Boy the bombs dropped over Japan Leona Woods Elizabeth Graves and Joan Hinton who were inspired by European scientific ideals but carved their own paths Perfect for Fans of Oppenheimer and Hidden Figures Women in STEM Readers of Elizabeth Wein Steve Sheinkin and Kate Quinn History lovers

History in Literature Edward Quinn, 2014-05-14 Alphabetically arranged articles discuss the major events figures and movements of the twentieth century and how they have been depicted in literature

A Global History of the Nuclear Arms Race Richard Dean Burns, Joseph M. Siracusa, 2013-04-23 Written by two preeminent authors in the field this book provides an accessible global narrative of the nuclear arms race since 1945 that focuses on the roles of key scientists military chiefs and political leaders The first book of its kind to provide a global perspective of the arms race this two volume work connects episodes worldwide involving nuclear weapons in a comprehensive narrative fashion Beginning with a discussion of the scientific research of the 1930s and 1940s and the Hiroshima decision the authors focus on five basic themes political dimensions technological developments military and diplomatic strategies and impact The history of the international nuclear arms race is examined within the context of four historical eras America's nuclear monopoly America's nuclear superiority superpower parity and the post Cold War era Information about the historical development of the independent deterrence of Britain France and China as well as the piecemeal deterrence of newcomers Israel India Pakistan and North Korea is also included as is coverage of the efforts aimed at the international control of nuclear weapons and the diplomatic architecture that underpins the global nuclear non proliferation regime

Army History, 1995

In the Name of Science Andrew Goliszek, 2003-11-15 As Goliszek demonstrates in this chilling book science has been called upon to kill people as often as it has to cure them The grim catalogue of inhumanities committed culminated with the Nazi experiments but in recent history the U.S. government has sponsored experiments on human subjects without their full knowledge

Nuclear Nuevo México Myrriah Gómez, 2022-11-22 Nuclear Nuevo México recovers the voices and stories that have been lost or ignored in the telling

of U S nuclear history By recuperating these narratives Myrriah Gomez tells a new story of New Mexico one in which the nuclear history is not separate from the collective colonial history of Nuevo Mexico but instead demonstrates how earlier eras of settler colonialism laid the foundation for nuclear colonialism in New Mexico **History of the Naval Weapons Center, China Lake, California** ,1971

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