

## Robert Oppenheimer A Life Inside The Center Ray Monk

"People like myself, who truly feel at home in several countries, are not strictly at home anywhere," writes Abraham Pais, one of the world's leading theoretical physicists, near the beginning of this engrossing chronicle of his life on two continents. The author of an immensely popular biography of Einstein, Subtle Is the Lord, Pais writes engagingly for a general audience. His "tale" describes his period of hiding in Nazi-occupied Holland (he ended the war in a Gestapo prison) and his life in America, particularly at the newly organized Institute for Advanced Study in Princeton, then directed by the brilliant and controversial physicist Robert Oppenheimer. Pais tells fascinating stories about Oppenheimer, Einstein, Bohr, Sakharov, Dirac, Heisenberg, and von Neumann, as well as about nonscientists like Chaim Weizmann, George Kennan, Erwin Panofsky, and Pablo Casals. His enthusiasm about science and life in general pervades a book that is partly a memoir, partly a travel commentary, and partly a history of science. Pais's charming recollections of his years as a university student become somber with the German invasion of the Netherlands in 1940. He was presented with an unusual deadline for his graduate work: a German decree that July 1941 would be the final Dutch town could be granted a doctoral degree. Pais received the degree, only to be forced into hiding from the Nazis in 1943, practically next door to Anne Frank. After the war, he went to the Institute of Theoretical Physics in Copenhagen to work with Niels Bohr. 1946 began his years at the Institute for Advanced Study, where he worked first as a Fellow and then as a Professor until his move to Rockefeller University in 1963. Combining his understanding of disparate social and political worlds, Pais comments just as insightfully on Oppenheimer's ordeals during the McCarthy era as he does on his own and his European colleagues' struggles during World War II. Originally published in 1997, The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

Their average age was twenty-five. They came from Berkeley, Cambridge, Paris, London and Chicago – and arrived in New Mexico ready for adventure or at least resigned to it. But hope quickly turned to hardship in the desolate military town where everything was a secret, including what their husbands were doing at the lab. They lived in barely finished houses with a P.O. Box for an address, in a town wreathed with barbed wire, all for the benefit of 'the project' that didn't exist as far as the greater world was concerned. They were constrained by the words they couldn't say out loud, the letters they couldn't send home, the freedom they didn't have. Though they were strangers, they joined together – babies were born, friendships were forged, children grew up. But then 'the project' was unleashed and even bigger challenges faced the women of Los Alamos, as they struggled with the burden of their contribution towards the creation of the most destructive force in mankind's history – the atomic bomb. Contentious, gripping and intimate, The Wives of Los Alamos is a personal tale of one of the most momentous events in our history.

The fascinating story of the men who founded the nuclear age, fully told for the first time The story of the twentieth century is largely the story of the power of science and technology. Within that story is the incredible tale of the human conflict between Robert Oppenheimer, Ernest Lawrence, and Edward Teller—the scientists most responsible for the advent of weapons of mass destruction. How did science—and its practitioners—enlisted in the service of the state during the Second World War, become a slave to its patron during the Cold War? The story of these three men, builders of the bombs, is fundamentally about loyalty—to country, to science, and to each other—and about the wrenching choices that had to be made when these allegiances came into conflict. Gregg Herken gives us the behind-the-scenes account based upon a decade of research, interviews, and newly released Freedom of Information Act and Russian documents. Brotherhood of the Bomb is a vital slice of American history told authoritatively—and grippingly—for the first time.

THE GENIUS OF THE ATOMIC BOMB: A BRILLIANT, CHARMATIC, AND VERY HUMAN PHYSICIST AND INVENTOR Enrico Fermi. In 1942, a team of scientists at the University of Chicago achieved what no one had before: a nuclear chain reaction. At the forefront of this breakthrough stood Enrico Fermi. Straddling the ages of classical physics and quantum mechanics, equally at ease with theory and experiment, Fermi truly was the last man who knew everything—at least about physics. But he was also a complex figure who was a part of both the Italian Fascist Party and the Manhattan Project, and a less-than-ideal father and husband who nevertheless remained one of history's greatest mentors. Based on new archival material and exclusive interviews, The Last Man Who Knew Everything lays bare the enigmatic life of a colossus of twentieth century physics.

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A Tale of Two Continents

Groves and Oppenheimer ? The Unlikely Partnership that Built the Atom Bomb

Trinity

The Brain Behind the Bomb

The Tangled Lives and Loyalties of Robert Oppenheimer, Ernest Lawrence, and Edward Teller

The Ruin of J. Robert Oppenheimer

"Robert Oppenheimer was a complex human being. No biography yet written comes even close to this elegant sketch of poems in capturing his life and character."—Richard Rhodes, author of the Pulitzer Prize-winning The Making of the Atomic Bomb
Quartet for J. Robert Oppenheimer records in poetry the life and times of one of America's best-known scientists, the father of the atomic bomb who later lobbied for containment of nuclear weaponry. In brief, elegant stanzas, Kelly Cherry examines Oppenheimer's inspirations, dreams, and values, visiting the events, places, and people that inspired him or led him to despair. She finds his place among scientists of his own time, such as Alan Turing and Albert Einstein, as well as his connections with historical and mythological figures from John Donne to Ceperleone. "Of course he had blood on his hands. Who did not?" says Cherry, in "The Nature of War." Again and again in the course of this remarkable poem, Cherry's narration of Oppenheimer's life compels her readers to contemplate the vagaries of science, guilt, and our responsibilities to each other. "Quartet for J. Robert Oppenheimer is a book length poem in which the architect of the atom bomb comes to embody America and the West's Faustian control of nature and the paradoxical helplessness and guilt which that control entailed. Oppenheim is marvellous, complicated, flawed and admirable character, and these poems read like chapters in a novel without in any way abandoning the intensities of feeling and image or delight in language we associate with lyric poetry. A terrific achievement and a compelling read."—Alan Shapiro, author of Life Pig and Reel to Reel

"A story of the Manhattan Project and the price J. Robert Oppenheimer, Leo Szilard, and we all paid for the atomic bomb"–P. 4 of cover.

Robert OppenheimerA Life Inside the CenterAnchor

Desert saint or destroyer of worlds: Oppenheimer biographies – Under the sun: Oppenheimer in history – History imagined: Oppenheimer in fiction – The ghost and the machine: Oppenheimer in film and television -- "The boy truth": Oppenheimer in museums – In his own words: Oppenheimer's writing

Shatterer of Worlds

Nine Men and the Atomic Bomb

In the Matter of J.Robert Oppenheimer

The Open Mind

Maker of Patterns: An Autobiography Through Letters

A Life in Twilight

The General and the Genius

An illuminating portrait of J. Robert Oppenheimer chronicles the story of one of the most charismatic and enigmatic figures of modern physics, from his precocious youth to his seminal role in developing the first atomic bomb, and beyond.

With a blinding flash in the New Mexico desert in the summer of 1945, the world was changed forever. The bomb that ushered in the atomic age was the product of one of history's most improbable partnerships. The General and the Genius reveals how two extraordinary men pulled off the greatest scientific feat of the twentieth century, Leslie Richard Groves of the Army Corps of Engineers, who had made his name by building the Pentagon in record time and under budget, was made overlord of the impossibly vast scientific enterprise known as the Manhattan Project. His mission: to beat the Nazis to the atomic bomb. So he turned to the nation's preeminent theoretical physicist, J. Robert Oppenheimer—the chain-smoking, martini-quaffing son of wealthy Jewish immigrants, whose background was riddled with communist associations—Groves's opposite in nearly every respect. In their three-year collaboration, the iron-willed general and the visionary scientist led a brilliant team in a secret mountaintop lab and built the fearsome weapons that ended the war but introduced the human race to unimaginable new terrors. And at the heart of this most momentous work of World War II is the story of two extraordinary men—the general and the genius.

Presents the life and accomplishments of the director of the Manhattan Project, focusing on his involvement with the development of the atom bomb.

When the Manhattan Project was synonymous with large-scale science, physicist J. Robert Oppenheimer (1904-87) represented the new sociocultural power of the American intellectual. Catsuppled to fame as director of the Los Alamos atomic weapons laboratory, Oppenheimer occupied a key position in the compact between science and the state that developed out of World War II. By tracing the making—and unmaking—of Oppenheimer's wartime and postwar scientific identity, Charles Thorpe illustrates the struggles over the role of the scientist in relation to nuclear weapons, the state, and culture. A stylish intellectual biography, Oppenheimer maps out changes in the roles of scientists and intellectuals in twentieth-century America, ultimately revealing transformations in Oppenheimer's persona that coincided with changing attitudes toward science in society. "This is an outstandingly well-researched book, a pleasure to read and distinguished by the high quality of its observations and judgments. It will be of special interest to scholars of modern history, but non-specialist readers will enjoy the clarity that Thorpe brings to common misunderstandings about his subject."—Graham Farmelo, Times Higher Education Supplement "A fascinating new perspective. . . . Thorpe's book provides the best perspective yet for understanding Oppenheimer's Los Alamos years, which were critical, after all, not only to his life but, for better or worse, the history of mankind."—Catherine Westfall, Nature

The Oppenheimer Alternative

Oppenheimer

Something Incredibly Wonderful Happens

Inside the Centre

The Life of J. Robert Oppenheimer

Insights Into J. Robert Oppenheimer, "Father of the Atomic Bomb"

The Extraordinary Women in Robert Oppenheimer's Life

In The Shadow of the Bomb narrates how two charismatic, exceptionally talented physicists—J. Robert Oppenheimer and Hans A. Bethe—came to terms with the nuclear weapons they helped to create. In 1945, the United States dropped the bomb, and physicists were forced to contemplate disquieting questions about their roles and responsibilities. When the Cold War followed, they were confronted with political demands for their loyalty and McCarthyism's threats to academic freedom. By examining how Oppenheimer and Bethe—two men with similar backgrounds but divergent aspirations and characters—struggled with these moral dilemmas, one of our foremost historians of physics tells the story of modern physics, the development of atomic weapons, and the Cold War. Oppenheimer and Bethe led parallel lives. Both received liberal educations that emphasized moral as well as intellectual growth. Both were outstanding theoreticians who worked on the atom bomb at Los Alamos. Both advised the government on nuclear issues, and both resisted the development of the hydrogen bomb. Both were, in their youth, sympathetic to liberal causes, and both were later called to defend the United States against Soviet communism and colleagues against anti-Communist crusaders. Finally, both prized scientific community as a salve to the apparent failure of Enlightenment values. Yet, their responses to the use of the atom bomb, the testing of the hydrogen bomb, and the treachery of domestic politics differed markedly. Bethe, who drew confidence from scientific achievement and integration into the physics community, preserved a deep integrity. By accepting a modest role, he continued to influence policy and contributed to the nuclear test ban treaty of 1963. In contrast, Oppenheimer first embodied a new scientific persona—the scientist who creates knowledge and technology affecting all humanity and boldly addresses their impact—and then could not carry its burden. His desire to retain insider status, combined with his isolation from creative work and collegial scientific community, led him to compromise principles and, ironically, to lose prestige and fall victim to other insiders. Schweber draws on his vast knowledge of science and its history—in addition to his unique access to the personalities involved—to tell a tale of two men that will enthral readers interested in science, history, and the lives and minds of great thinkers.

The books, the loves, and the conscience of J. Robert Oppenheimer: a novel about the man who invented the atomic bomb.

Albert Einstein and J. Robert Oppenheimer, two iconic scientists of the twentieth century, belonged to different generations, with the boundary marked by the advent of quantum mechanics. By exploring how these men differed—in their worldview, in their work, and in their day—this book provides powerful insights into the lives of two critical figures and into the scientific culture of their times.

Cole—a friend and colleague of Frank Oppenheimer's for many years—has drawn from letters, documents, and extensive interviews to write a very personal story of the man whose irrepressible spirit would inspire so many.

The Last Man Who Knew Everything

The Wives of Los Alamos

The Triumph and Tragedy of J. Robert Oppenheimer

In the Shadow of the Bomb

The Life and Times of Enrico Fermi, Father of the Nuclear Age

Robert Oppenheimer, Letters and Recollections

A Novel

*Peopled by larger-than-life heroes and villains, charged with towering questions of good and evil, Atlas Shrugged is Ayn Rand's magnum opus: a philosophical revolution told in the form of an action thriller–nominated as one of America's best-loved novels by PBS's The Great American Read. Who is John Galt? When he says that he will stop the motor of the world, is he a destroyer or a liberator? Why does he fight his battles not against his enemies but against those who need him most? Why does he fight his hardest battle against the woman he loves? You will know the answer to these questions when you discover the reason behind the baffling events that play havoc with the lives of the amazing men and women in this book. You will discover why a productive genius becomes a worthless playboy...why a great steel industrialist is working for his own destruction...why a composer gives up his career on the night of his triumph...why a beautiful woman who runs a transcontinental railroad falls in love with the man she has sworn to kill. Atlas Shrugged, a modern classic and Rand's most extensive statement of Objectivism–her groundbreaking philosophy–offers the reader the spectacle of human greatness, depicted with all the poetry and power of one of the twentieth century's leading artists.*

*In 1922, the teenage son of a Jewish immigrant ventured from Manhattan to New Mexico for his health. It was the first of many trips to the Sangre de Cristo Mountains, a western retreat where J. Robert Oppenheimer would eventually hold groundbreaking discussions with world-renowned scientists about atomic physics. Oppenheimer came to feel at home in the American West, and while extensive studies have been made of the man, this is the first book to explicitly link him with the region. J. Robert Oppenheimer, the Cold War, and the Atomic West explores how the west influenced Oppenheimer as a scientist and as a person–and the role he played in influencing it. Jon Hunner's concise account of Oppenheimer's life and the emergence of an Atomic West distills a vast literature for students and general readers. In this brisk, engaging biography, the author recounts how Oppenheimer helped locate the atomic age in the American West, New Mexico, and helped establish leading physics departments at the University of California–Berkeley and Caltech. By taking part in moving atomic physics west of the Mississippi, Oppenheimer bolstered the establishment of research labs, uranium mines, nuclear reactors, and more, bringing talented people–and billions of dollars in federal contracts–to the region. Intertoven into this atomic tale are insights into the physicist's troubled growing-up year, his marriage and family life, the bombing of Hiroshima and Nagasaki, and Oppenheimer's eventual downfall. After the first atomic bomb burst over the New Mexican desert in 1945 and as the Cold War developed, the American myth of the Wild West expanded to encompass atomic sheriffs saving the world for democracy–even as powerful opponents began questioning Oppenheimer's place in that story.*

*Against the backdrop of the physicist's life twining with the region's history, Hunner explores the promise and peril of the Atomic Age.*

*J. Robert Oppenheimer is among the most contentious and important figures of the twentieth century. As head of the Los Alamos Laboratory, he oversaw the successful effort to beat the Nazis to develop the first atomic bomb – a breakthrough which was to have eternal ramifications for mankind, and made Oppenheimer the 'father of the Bomb'. But his was not a simple story of assimilation, scientific success and world fame. A complicated and fragile personality, the implications of the discoveries at Los Alamos were to weigh heavily upon him. Having formed suspicious connections in the 1930s, in the wake of the Allied victory in World War Two, Oppenheimer's attempts to resist the escalation of the Cold War arms race would lead many to question his loyalties – and set him on a collision course with Senator Joseph McCarthy and his witch hunters.*

*Interviews and newly released FBI material help to answer questions about the life, personality, and work of the man who headed the Los Alamos atom-bomb project and was later dismissed as a security risk*

American Prometheus

A Life

The Epic Rise and Dramatic Fall of the Atomic Era

A Poem

A Physicist's Life in a Turbulent World

J. Robert Oppenheimer

Almighty

*From the acclaimed author of Speak comes a kaleidoscopic novel about Robert Oppenheimer–father of the atomic bomb–as told by seven fictional characters. J. Robert Oppenheimer was a brilliant scientist, a champion of liberal causes, and a complex and often contradictory character. He loyally protected his Communist friends, only to later betray them under questioning. He repeatedly lied about love affairs. And he defended the use of the atomic bomb he helped create, before ultimately lobbying against nuclear proliferation. Through narratives that cross time and space, a set of characters bears witness to the life of Oppenheimer, from a secret service agent who tailed him in San Francisco, to the young lover of a colleague in Los Alamos, to a woman fleeing McCarthyism who knew him on St. John. As these men and women fall into the orbit of a brilliant but mercurial mind at work, all consider his complicated legacy while also uncovering deep and often unsettling truths about their own lives. In this stunning, elliptical novel, Louisa Hall has crafted a breathtaking and explosive story about the ability of the human mind to believe what it wants, about public and private tragedy, and about power and guilt. Blending science with literature and fiction with biography, Trinity asks searching questions about what it means to truly know someone, and about the secrets we keep from the world and from ourselves.*

*A lifetime of candid reflections from physicist Freeman Dyson, "an acute observer of personality and human foibles" (New York Times Book Review). Written between 1940 and the late 1970s, the postwar recollections of renowned physicist Freeman Dyson have been celebrated as an historic portrait of modern science and its greatest players, including Robert Oppenheimer, Richard Feynman, Stephen Hawking, and Hans Bethe. Chronicling the stories of those who were engaged in solving some of the most challenging quandaries of twentieth-century physics, Dyson lends acute insight and profound observations to a life's work spent chasing what Einstein called those "deep mysteries that Nature intends to keep for herself." Whether reflecting on the drama of World War II, the moral dilemmas of nuclear development, the challenges of the space program, or the demands of raising six children, Dyson's annotated letters reveal the voice of one "more creative than almost anyone else of his generation" (Kip Thorne). An illuminating work in these trying times, Maker of Patterns is an eyewitness account of the scientific discoveries that define our modern age.*

*A narrative of the Atomic Age by the award-winning author of Rocket Man explores the complexities of nuclear energy, citing the contributions of such individuals as Marie Curie, Albert Einstein and Robert Oppenheimer while sharing lesser-known historical details.*

*The brilliant man 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 deed 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.*

J. Robert Oppenheimer, Leo Szilard, and the Political Science of the Atomic Bomb

A Life Inside the Center

Science and the Common Understanding

109 East Palace

Quartet for J. Robert Oppenheimer

Robert Oppenheimer and the Secret City of Los Alamos

Brotherhood of the Bomb

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.

This book has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

This groundbreaking Cold War history reveals the government conspiracy to bring down America's most famous scientist. On April 12, 1954, the nation was astonished to learn that J. Robert Oppenheimer was facing charges of violating national security. Could the man who led the effort to build the atom bomb really be a traitor? In this riveting book, Priscilla J. McMillan draws on newly declassified U.S. government documents and materials from Russia, as well as in-depth interviews, to expose the conspiracy that destroyed the director of the Manhattan Project. This meticulous narrative recreates the fraught years from 1949 to 1955 when Oppenheimer and a group of liberal scientists tried to head off the cabal of air force officials, anti-Communist politicians, and rival scientists, who were trying to seize control of U.S. policy and build ever more deadly nuclear weapons. Retelling the story of Oppenheimer's trial, which took place in utmost secrecy, she describes how the government made up its own rules and violated many protections of the rule of law. McMilliam also argues that the effort to discredit Oppenheimer, occurring at the height of the McCarthy era and sanctioned by a misinforming President Eisenhower, was a watershed in the Cold War, poisoning American politics for decades and creating dangers that haunt us today.

From the bestselling author of Tuxedo Park, the fascinating story of the 3,000 people who lived together in near confinement for more than two intense and conflicted years under J. Robert Oppenheimer and the world's best scientists to produce the Atomic Bomb and win World War II. They were told as little as possible. Their orders were to go to Santa Fe, New Mexico, and report for work at a classified Manhattan Project site, a location so covert it was known to them only by the mysterious address: 109 East Palace. There, behind a wrought-iron gate and narrow passageway just off the touristy old plaza, they were greeted by Dorothy McKibbin, an attractive widow who was the least likely person imaginable to run a front for a clandestine defense laboratory. They stepped across her threshold into a parallel universe—the desert hideaway where Robert Oppenheimer and a team of world-famous scientists raced to build the first atomic bomb before Germany and bring World War II to an end. Brilliant, handsome, extraordinarily charismatic, Oppenheimer based his unprecedented scientific enterprise in the high reaches of the Sangre de Cristo mountains, hoping that the land of enchantment would conceal and inspire their bold mission. Oppenheimer was as arrogant as he was inexperienced, and few believed the thirty-eight-year-old theoretical physicist would succeed. Jennet Conant captures all the exhilaration and drama of those perilous twenty-seven months at Los Alamos, a secret city cut off from the rest of society, ringed by barbed wire, where Oppenheimer and his young recruits lived as virtual prisoners of the U.S. government. With her dry humor and eye for detail, Conant chronicles the chaotic beginnings of Oppenheimer's by-the-seat-of-his-pants operation, where freshly minted secretaries and worldly scientists had to contend with living conditions straight out of pioneer days. Despite all the obstacles, Opple managed to forge a vibrant community at Los Alamos through the sheer force of his personality. Dorothy, who fell for him at first sight, devoted herself to taking care of him and his crew and supported him through the terrifying preparations for the test explosion at Trinity and the harrowing aftermath of Hiroshima and Nagasaki. Less than a decade later, Oppenheimer became the focus of suspicion during the McCarthy witch hunts. When he and James B. Conant, one of the top administrators of the Manhattan Project (and the author's grandfather), led the campaign against the hydrogen bomb, Oppenheimer's past left-wing sympathies were used against him, and he was found to be a security risk and stripped of his clearance. Though Dorothy tried to help clear his name, she saw the man she loved disgraced. In this riveting and deeply moving account, drawing on a wealth of research and interviews with close family and colleagues, Jennet Conant reveals an exceptionally gifted and enigmatic man who served his country at tremendous personal cost and whose singular achievement, and subsequent undoing, is at the root of our present nuclear predicament.

Frank Oppenheimer and His Astonishing Explorations

Uncommon Sense

The Tragical Intellect

Oppenheimer, Bethe, and the Moral Responsibility of the Scientist

The Meanings of J. Robert Oppenheimer

J. Robert Oppenheimer and the American Century

A gripping narrative of the love and betrayal of J. Robert Oppenheimer, told through the lives of three unique women. Set against a dramatic backdrop of war, spies, and nuclear bombs, An Atomic Love Story unveils a vivid new view of a tumultuous era and one of its most important figures. In the early decades of the 20th century, three highly ambitious women found their way to the West Coast, where each was destined to collide with the young Oppenheimer, the enigmatic physicist whose work in creating the atomic bomb would forever impact modern history. His first and most intense love was for Jean Tatlock, though he married the tempestuous Kitty Harrison—both were members of the Communist Party—and was rumored to have had a scandalous affair with the brilliant Ruth Sherman Tolman, ten years his senior and the wife of another celebrated physicist. Although each were connected through their relationship to Oppenheimer, their experiences reflect important changes in the lives of American women in the 20th century: the conflict between career and marriage; the need for a woman to define herself independently; experimentation with sexuality; and the growth of career opportunities. Beautifully written and superbly researched through a rich collection of firsthand accounts, this intimate portrait shares the tragedies, betrayals, and romances of an alluring man and three bold women, revealing how they pushed to the very forefront of social and cultural changes in a fascinating, volatile era.

Born into a wealthy, secular New York Jewish family, a student of the Ethical Culture School in New York, later educated in theoretical physics at Harvard, Cambridge (UK) and G 0ttingen (Germany), appointed professor at UC-Berkeley and Caltech, J. Robert Oppenheimer (1904-1967) was on the forefront of the rise of theoretical physics in the United States to world-class status, contributing to the century-altering success of the Manhattan Project to build the atomic bomb. As the scientific leader of that project, Oppenheimer played a key advisory role in government, helping to forge the post-war military-industrial-scientific alliance that poured huge resources into post-war "big science." Because of his position, Oppenheimer became for the public the heroic cultural icon of American science, but he also became a target and a tragic victim of the cold-war fear and nuclear war preparations underlying the McCarthy era. This biographical study focuses on Oppenheimer's cultural and intellectual rise as a theoretical physicist as well as his role within the trajectory of the nation's rise to scientific leadership and the post-war forces that confuted American science. This biography is nearly unique in that it includes discussions for general audiences of Oppenheimer's work and contributions to theoretical physics, including his famous prediction of black holes sixty years before their confirmed discovery. "Now David Cassidy brings us the best account of Oppenheimer's life in science with J. Robert Oppenheimer and the American Century." – T. Powers, New York Review of Books "Cassidy covers this ground admirably in his thoughtful biography of Oppenheimer." – Scientific American "Cassidy's book...is probably the best single study of Oppenheimer to date." – B. Bernstein, Physics World "Cassidy's biography of J. Robert Oppenheimer is a concise, well-written book about the life of the famous 20th century scientist...A worthwhile read for anyone with an interest in the coming of age of American physics and how the weaknesses and strengths of one of its leaders shaped the relationship between science and the government for decades to come." – Physics and Society "This biography is a detailed and beautifully written work. Cassidy expands beyond the traditional scope of a biography and expertly explores the surrounding environment that shaped Oppenheimer's life." – Atomic Archive "This excellent biography of J. Robert Oppenheimer places the eminent physicist in the context of twentieth century America...Cassidy...provides excellent insights into the life and times of this complex man. Unlike many other biographers of Oppenheimer, Cassidy assesses his role as a twentieth century theoretical physicist." – Alsos Digital Library for Nuclear Issues "A superbly researched biography... There is no doubt that Cassidy gives us a valuable perspective on Oppenheimer's life. The author is shy neither of editorializing nor of making judgments about the personalities who appear in the story... These comments are almost unflinching fair and justified by the evidence." – Times Higher Education "Cassidy...has written a book that neither praises Oppenheimer nor buries his reputation but, rather, puts some tarnish upon the icon." – G. Herken, Science

Robert J. Oppenheimer is among the most contentious and important figures of the twentieth century. As head of the Los Alamos Laboratory, he oversaw the successful effort to beat the Nazis to develop the first atomic bomb – a breakthrough which was to have eternal ramifications for mankind, and made Oppenheimer the 'father of the Bomb'

Explores the complex intellectual life of the innovator of the atomic bomb, providing coverage of such topics as his sympathy toward Communism, his lead over the Manhattan Project, and his Jewish faith.

Inside The Centre

An Atomic Love Story

Einstein and Oppenheimer

Fallout

The Meaning of Genius

The Final Years of J. Robert Oppenheimer

Robert Oppenheimer

The late Abraham Pais, author of the award winning biography of Albert Einstein, Subtle is the Lord, here offers an illuminating portrait of another of his eminent colleagues, J. Robert Oppenheimer, one of the most charismatic and enigmatic figures of modern physics. Pais introduces us to a precocious youth who sped through Harvard in three years, made signal contributions to quantum mechanics while in his twenties, and was instrumental in the growth of American physics in a single-handedly bringing it to a state of prominence. He paints a revealing portrait of Oppenheimer's life in Los Alamos, where in twenty remarkable, feverish months, and under his inspired guidance, the first atomic bomb was designed and built, a success that made Oppenheimer America's most famous scientist. Pais describes Oppenheimer's long tenure as Director of the Institute of Advanced Study at Princeton, where the two men worked together closely. He shows not only Oppenheimer's how his displays of intensity and arrogance won him powerful enemies, ones who would ultimately make him one of the principal victims of the Red Scare of the 1950s. J. Robert Oppenheimer is Abraham Pais's final work, completed after his death by Robert P. Crease, an acclaimed historian of science in his own right. Told with compassion and deep insight, it is the most comprehensive biography of the great physicist available. Anyone seeking an insider's portrait of this enigmatic figure will find it here.

On July 28, 2012, three senior citizens broke into one of the most secure nuclear-weapons facilities in the world. An 82 Catholic nun, a Vietnam veteran, and a house smeared the walls with human blood and spray-painted quotes from the Bible. Then they waited to be arrested. This simple act spawned a complex discussion. In *Almighty*, Washington Post writer Dan Zak examines how events over the past 70 years led to this act, one of the most successful and high-profile demonstrations of civil disobedience in American history. **WINNER OF THE PULITZER PRIZE FOR NONFICTION** • "The definitive biography" (Newsweek) of J. Robert Oppenheimer, one of the iconic figures of the twentieth century, a brilliant physicist who led the effort to build the atomic bomb for his country in a time of war, and who later found himself confronting the moral consequences of scientific progress. In this magisterial, acclaimed biography twenty-five years in the making, Kai Bird and Martin Sherwin capture Oppenheimer's life and the central role in the Cold War. This is biography and history at its finest, riveting and deeply informative. "A masterful account of Oppenheimer's rise and fall, set in the context of the turbulent decades of America's own transformation. It is a tour de force." —Los Angeles Times Book Review

On the 75th anniversary of the dropping of the atomic bomb, Hugo and Nebula-winning author Robert J. Sawyer takes us back in time to revisit history...with a twist. While J. Robert Oppenheimer and his Manhattan Project team struggle to develop the A-bomb, Edward Teller wants something even more devastating: a bomb based on nuclear fusion--the mechanism that powers the sun. Teller's research leads to a terrifying discovery: by the year 2030, the sun will eject its outermost layers, engulfing Earth. As the war ends with the use of fission bombs against Japan, Oppenheimer's team, plus Albert Einstein and Wernher von Braun, stay together--the greatest scientific geniuses from the last century racing against time to save our future. Meticulously researched and replete with real-life characters and events, *The Oppenheimer Alternative* is a breathtaking adventure through both real and alternate history.

The Age of Radiance

Atlas Shrugged

Courage, Resistance, and Existential Peril in the Nuclear Age

Pandora's Keepers

Oppenheimer, Horseman of Los Alamos

J. Robert Oppenheimer, The Cold War, and The Atomic West

Oppenheimer and the Manhattan Project

Robert Oppenheimer (1904–1967) is one of the few American scientists who have become public and controversial figures in the twentieth century. This book adds a new dimension to the Oppenheimer story by offering a look at the private man behind the public figure. It consists of letters spanning the period from his Harvard student days in 1922 to his departure from Los Alamos in 1945. The letters are supplemented by recollections of those who knew Oppenheimer and by his own recollections from an interview a few years before his death. 'A beautifully organized collection of letters and reminiscences ... The editors have interviewed those who knew and worked with him, stirred in the necessary explanatory background, and produced an account, both scholarly and highly readable, which throws fresh light on a man who will probably always remain something of an enigma. Amid devotional defense and almost rabid attack, their book is a model of objectivity.' New York Times Book Review "An intimate, carefully documented, and honest book.'

J. Robert Oppenheimer, a leading physicist in the Manhattan Project, recognized that scientific inquiry and discovery could no longer be separated from their effect on political decision-making, social responsibility, and human endeavor in general. He openly addressed issues of common concern and as a scientist accepted the responsibility brought about by nuclear physics and the atom bomb. In this collection of essays and speeches, Oppenheimer discusses the shift in scientific awareness and its impact on education, the question of openness in a society forced to keep secrets, the conflict between individual concerns and public and political necessity, the future of science and its effects on future politics---in short, the common and uncommon sense we find in our modern day reality.

*A Life in Twilight* reveals the least-known and most enigmatic period of J. Robert Oppenheimer's life, from the public humiliation he endured after the 1954 Atomic Energy Commission's investigation into his alleged communist leanings and connections to his death in 1967. It covers Oppenheimer's continued work as a scientist and philosopher and head of the Institute for Advanced Study in Princeton, his often controversial public appearances, as well as parts of his private life. What emerges is a portrait of a man who was toppled from the highest echelons of politics and society, had to see his honor and name blackened, but succeeded in maintaining his dignity and rebuilding a shattered life, although he never truly recovered from the McCarthy-inspired persecution he suffered. Previously unpublished FBI files round out the picture and cast a sinister cloud over Oppenheimer's final years, during which he remained under occasional surveillance. Mark Wolverton has succeeded in presenting an evenhanded and very well- researched account of a life that ended in twilight. It reads like a written version of the acclaimed film *Good Night, and Good Luck*, and indeed Murrow's interview with Oppenheimer is one of the central elements of the story. *A Life in Twilight* is an important exploration, not only of a prominent scientist and philosopher, but also of an unforgettable era in American history.

And the Birth of the Modern Arms Race