

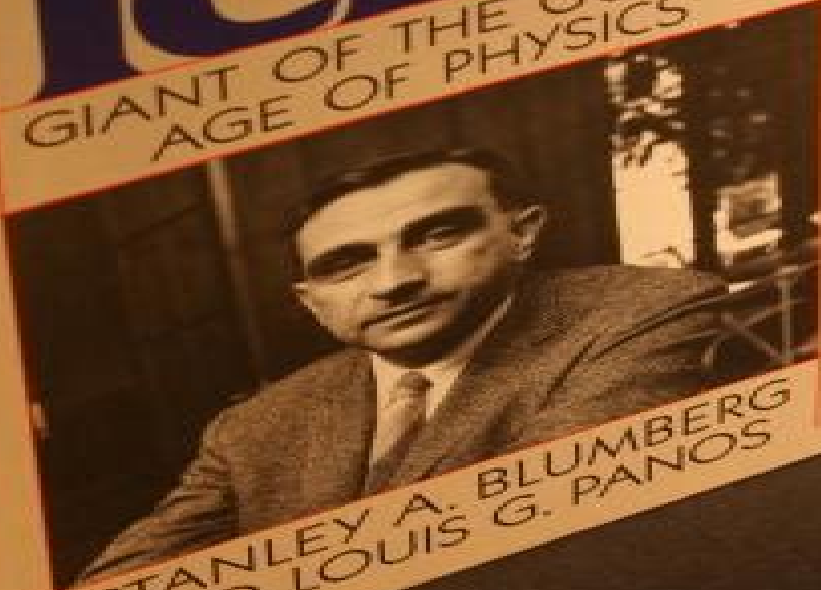
**Edward Teller**

STANLEY A. BLUMBERG  
AND LOUIS G. PANOS

A BIOGRAPHY

# Edward Teller

GIANT OF THE GOLDEN  
AGE OF PHYSICS



STANLEY A. BLUMBERG  
AND LOUIS G. PANOS

# Edward Teller Giant Of The Golden Age Of Physics A Biography

**Annelies Wilder-Smith**



## **Edward Teller Giant Of The Golden Age Of Physics A Biography:**

Edward Teller Stanley A. Blumberg, Louis G. Panos, 1990 Chapters cover Edward Teller's role in the J Robert Oppenheimer hearings nuclear power policy nuclear winter Strategic Defense Initiative the defense of Israel Sakharov: A Biography Richard Lourie, 2019-08-09 Seemingly shy Andrei Sakharov was in fact a man of three great passions His passion for physics ultimately lead him to create the Soviet H Bomb making the USSR a super power But he rejected all the position and prestige his inventions had brought him in the name of a greater passion for justice And yielding nothing to these two passions was his passion for human rights activist Elena Bonner their love story one of the great romances of our time This book tells the story of the man his passions and the time and place where they all played out As Richard Lourie's new subtle and revealing biography of Sakharov demonstrates Sakharov ranks with Nelson Mandela as a person who helped guide his country to democracy changing himself in the process One of the strengths of Lourie's biography is his description and analysis of how this transition occurred a fascinating account of Sakharov Lourie's analysis of Sakharov's complicated political journey seems authentic and immensely revealing Loren Graham The New York Times A vivid portrait of Sakharov this moral and intellectual giant Lourie has written a highly intelligent and exceptionally readable book He not only captures his protagonist admirably but exhibits a fine feel for the social and political backdrop as well as for the peculiar mixture of fearful servility and courageous generosity of the Russian people Among other things he vividly brings to life how the Communist regime constrained scientists sometimes even arresting and murdering them while those who survived persevered in their work to achieve remarkable results Aleksa Djilas Commentary Magazine Lourie does full justice to a life that could not be more engrossing The socially introverted son of Moscow intelligentsia Andrei Sakharov became a star physics pupil then chief architect of the Soviet Union's first thermonuclear device and later on a dissident and target of KGB ire and finally the moral conscience of a democratically awakening Russia The evolution from a politically passive scientist to a lonely figure holding sidewalk vigils outside kangaroo courtrooms is almost unfathomable for a non Russian Lourie however makes it comprehensible not least by painting with an artist's spare deft strokes this transcendent figure into the history of his day Robert Legvold Foreign Affairs Richard Lourie is ideally placed to write the first full biography of this remarkable man He was able to interview Sakharov and many of his colleagues He has translated Sakharov's memoirs and often uses direct speech drawn from them to take us behind the scenes without giving rise to the usual suspicion of novelistic invention This makes for an engagingly readable book Lourie's appraisal of Sakharov as a man is scrupulously balanced with as much emphasis on his obstinacy as on his compassion The book conveys both the elation of scientific work the intense love between Sakharov and his second wife and the bewildering nature of human courage Elaine Feinstein The Telegraph The inventor of the Soviet H bomb Sakharov was in the forefront of the post war breakthrough in thermonuclear physics that led to the creation of atomic energy Yet he also stood heroically at times in the vanguard of the movement for human rights in the

Soviet Union Richard Lourie tells both these stories in this first full length biography of the physicist and dissident Lourie has benefited from the recent publication of the KGB files on Sakharov He also knew the man himself whose Memoirs he helped to smuggle out of Russia to the West where they were published in Lourie s translation a year after Sakharov s death in 1989 Sakharov s widow Elena Bonner has helped Lourie s research which adds a welcome new perspective on the last 20 years of his eventful life when husband and wife were subjected to a bullying campaign of threats and slander by the KGB in a vain attempt to silence them Orlando Figes The Telegraph A solid factual and interpretive study Sakharov is an important account of one scientist s courage and his quest for a humane world at peace Herbert Mitgang Chicago Tribune This first biography of the renowned physicist Soviet dissident and Nobel Peace Prize winner weaves the details of Sakharov s life together with the history of the Soviet Union which barely outlasted him Lourie describes Sakharov s upbringing in a liberal family and his rise through the Soviet science program during the 1930s and 40s Lourie s vivid accounts of Sakharov s meetings with Stalin and KGB chief Beria his role in the intelligentsia his marriages and his cramped apartments offer a textured picture of Soviet life during the Cold War Lourie s intelligent engaging biography will be appreciated by those interested in Russian and Cold War history Publishers Weekly *Biographies of Scientists* Roger Smith,1998 Identifies over 500 sources of information about the lives of scientists for young and adult general readers and for scholars Entries ranging from a quarter to a half page in length explain briefly what the subjects achieved worthy of biography as well as describing the work in some detail The works cited include books encyclopedias and periodicals and both biography and autobiography The arrangement is by discipline the social sciences are not included with indexes by author and subject scientist Annotation copyrighted by Book News Inc Portland OR

**The Eisenhower Years** Michael S. Mayer,2009 The 34th U S president to hold office Dwight D Eisenhower won America over with his irresistible I like Ike slogan Bringing to the presidency his prestige as a commanding general during World War II he worked incessantly during his two terms to ease the tensions of the cold war Pursuing the moderate policies of Modern Republicanism he left a legacy of a stronger and more powerful nation From his crucial role in support of Brown v Board of Education to the National Defense Education Act The Eisenhower Years provides a well balanced study of these politically charged years Biographical entries on key figures of the Eisenhower era such as Allen W Dulles Joseph R McCarthy and Rosa Parks combine with speeches such as the Military Industrial Complex speech the Open Skies proposal the disturbance at Little Rock address Eisenhower Doctrine and his speech after the Soviet launch of Sputnik to give an in depth look at the executive actions of this administration **Bulletin of the Atomic Scientists** ,1990-10

Edward Teller: Giant of the Golden Age of Physics Stanley A. Blumberg,Louis G. Panos,1990 *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 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* Carl Sagan Keay Davidson, 2000-09-01 A penetrating mesmerizing biography of a scientific icon Absolutely fascinating Davidson has done a remarkable job Sir Arthur C Clarke Engaging accessible carefully documented sophisticated Dr David Hollinger for The New York Times Book Review Entertaining Davidson treats the nuances of Sagan s complex life with understanding and sympathy The Christian Science Monitor Excellent Davidson acts as a keen critic to Sagan s works and their vast uncertainties Scientific American A fascinating book about an extraordinary man Johnny Carson Davidson an award winning science writer has written an absorbing portrait of this Pied Piper of planetary science Davidson thoroughly explores Sagan s science wrestles with his politics and plumbs his personal passions with a telling instinct for the revealing underside of a life lived so publicly Los Angeles Times Carl Sagan was one of the most celebrated scientists of this century the handsome and alluring visionary who inspired a generation to look to the heavens and beyond His life was both an intellectual feast and an emotional rollercoaster Based on interviews with Sagan s family and friends including his widow Ann Druyan his first wife acclaimed scientist Lynn Margulis and his three sons as well as exclusive access to many personal papers this highly acclaimed life story offers remarkable insight into one of the most influential provocative and beloved figures of our time a complex contradictory prophet of the Space Age *The Martians of Science* István Hargittai, 2008 Hargittai tells the story of five remarkable Hungarians Wigner won a Nobel Prize in theoretical physics Szilard was the first to see that a chain reaction based on neutrons was possible initiated the Manhattan Project but left physics to try to restrict nuclear arms von Neumann

could solve difficult problems in his head and developed the modern computer for more complex problems von Karmann became the first director of NASA's Jet Propulsion Laboratory providing the scientific basis for the U S Air Force and Teller was the father of the hydrogen bomb whose name is now synonymous with the controversial Star Wars initiative of the 1980s

The Ruin of J. Robert Oppenheimer Priscilla J. McMillan, 2018-03-18 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 McMillan also argues that the effort to discredit Oppenheimer occurring at the height of the McCarthy era and sanctioned by a misinformed President Eisenhower was a watershed in the Cold War poisoning American politics for decades and creating dangers that haunt us today

**American Jews with Czechoslovak Roots** Miloslav Rechcigl Jr., 2018-06-19 This is a pioneering comprehensive bibliography of existing publications relating to American Jews with ancestry in the former Czechoslovakia and its successor states the Czech and the Slovak Republics which has never before been attempted Since only a few studies have been written on the subject the present work has been extended to include biobibliography in which area a plethora of papers and monographs exist Consequently this compendium can also be viewed as a comprehensive listing of biographical sources relating to American Jews with the Czechoslovak roots As the reader will find out they have been involved practically in every field of human endeavor in numbers that surprise As for the definition of Jews the present work encompasses not only the individuals that have professed in Judaism but also the descendants of the former Jews who originally lived on the territory of the former Czechoslovakia regardless of the generation or where they were born

**Defense's Nuclear Agency 1947-1997 (DTRA History Series)** Defense Threat Reduction Agency, 2003-09 This official history was originally printed in very small numbers in 2002 Defense's Nuclear Agency 1947 1997 traces the development of the Armed Forces Special Weapons Project AFSWP and its descendant government organizations from its original founding in 1947 to 1997 After the disestablishment of the Manhattan Engineering District MED in 1947 AFSWP was formed to provide military training in nuclear weapons operations Over the years its sequential descendant organizations have been the Defense Atomic Support Agency DASA from 1959 to 1971 the Defense Nuclear Agency DNA from 1971 to 1996 and the Defense Special Weapons Agency DSWA from 1996 to 1998 In 1998

DSWA the On Site Inspection Agency the Defense Technology Security Administration and selected elements of the Office of Secretary of Defense were combined to form the Defense Threat Reduction Agency DTRA      Beyond the Sea of Beer

Miloslav Rechcigl Jr.,2017-11-09 This is a comprehensive history of immigrants from the historic lands of the Bohemian Crown and its successor states including Czechoslovakia and the Czech Republic based on the painstaking lifetime research of the author The reader will find lots of new information in this book that is not available elsewhere The title of the book comes from a popular song of the famous Czech artistic duo Voskovec and Werich who described America in those words when they lived here reflecting on their love for this country It covers the period starting soon after the discovery of the New World to date The emphasis is on the US although Canada and Latin America are also covered It covers the arrival and the settlement of the immigrants in various states and regions of America their harsh beginnings the establishment of their communities and their organization A separate section is devoted to the contributions of notable individuals in different areas of human endeavor including Bohemians Moravians Bohemian Jews and the Slovaks These people excelled in just about every facet of human undertaking Even though a total number of these immigrants were fewer than other ethnic groups their accomplishments were phenomenal Nothing like this has ever been published since the time Thomas Capek wrote his classic *The Cechs Bohemians in America* some one hundred years ago      *The Scientific 100* John Simmons, Lynda

Simmons,2000-09-01 Who are the great scientists throughout the ages and what exactly did they do to earn their importance From Archimedes to Newton to Einstein to Hawking *The Scientific 100* provides the fascinating answers Vivid biographical sketches chronicle the lives and accomplishments of the world's preeminent scientists And in the tradition of the Citadel Press 100 Series they are ranked provocatively in order of influence an inspiration for lively discussion This unique volume is a browser's treasure trove and a handy reference for the general reader John Simmons has been associated with *Current Biography* for more than fifteen years He has written frequently about Nobel laureates in science A member of the New York Academy of Sciences he divides his time between New York City and Paris      **The Bomb in the Basement** Michael

Karpin,2007-01-09 Significant change took place when President Richard Nixon and Secretary of State Henry Kissinger adopted a new strategy      **Bulletin of the Atomic Scientists** ,1990-10      *The History of Nuclear War I* John Richard

Shanebrook,2013-10-24 In August of 1945 some 200 000 people died at Hiroshima and Nagasaki from two nuclear weapon explosions during Nuclear War I This book details the following historical events that led to Nuclear War I Fermi and Szilard worked on nuclear fission at Columbia University in 1939 Plutonium 239 was discovered in 1940 Einstein informed President Roosevelt of possible German uranium bombs Fermi built the world's first nuclear reactor in 1942 to manufacture plutonium General Groves and Oppenheimer led the U S effort to build atomic bombs as part of the Manhattan Project Soviet spies infiltrated the Manhattan Project The Trinity Test on July 16 1945 was the world's first nuclear explosion The Pope 1943 and many scientists spoke against the use of nuclear weapons Truman became President on April 12 1945 and first learned of the

Manhattan Project The B 29 bomber was selected to deliver atomic bombs to Japan On August 6 1945 an atomic bomb uranium was exploded over the Japanese city of Hiroshima For three days August 6th to the 9th hope abounded that Japan would surrender but preparations for more nuclear war continued On August 9 1945 an atomic bomb plutonium was exploded over the Japanese city of Nagasaki Emperor Hirohito survived a coup by angry military officers and Japan surrendered on August 14 1945 **Bracing for Armageddon** Dee Garrison,2006-03-30 This text presents a survey of the US government's civil defense plans from World War II It argues that the purpose of federal civil defense was to legitimize deterrence policy and the arms race through false assurances to the masses that they could survive nuclear war

**Thinking about Faith** Tibor Horvath,2006-06 Why did the early Christians follow Jesus Christ Why did they write books have councils celebrate the eucharist and other sacramental rites Tibor Horvath proposes that love for Jesus Christ is at the origin of the Christian faith In the first volume of a trilogy on Thinking about Faith love is shown to be the hermeneutic principle in a systematic exploration and interpretation of Christian dogma and sacramental theology Horvath explores love for God human beings and the universe in the gospel pre gospel pre Pauline theologies the 21 Ecumenical Councils and the liturgy of the sacrament of the Eucharist He also analyses the historical and systematic foundation of the other sacraments such as marriage ministry forgiveness serving the sick baptism and confirmation Cosmology and Controversy Helge Kragh,2021-03-09 For over three millennia most people could understand the universe only in terms of myth religion and philosophy Between 1920 and 1970 cosmology transformed into a branch of physics With this remarkably rapid change came a theory that would finally lend empirical support to many long held beliefs about the origins and development of the entire universe the theory of the big bang In this book Helge Kragh presents the development of scientific cosmology for the first time as a historical event one that embroiled many famous scientists in a controversy over the very notion of an evolving universe with a beginning in time In rich detail he examines how the big bang theory drew inspiration from and eventually triumphed over rival views mainly the steady state theory and its concept of a stationary universe of infinite age In the 1920s Alexander Friedmann and Georges Lemaître showed that Einstein's general relativity equations possessed solutions for a universe expanding in time Kragh follows the story from here showing how the big bang theory evolved from Edwin Hubble's observation that most galaxies are receding from us to the discovery of the cosmic microwave background radiation Sir Fred Hoyle proposed instead the steady state theory a model of dynamic equilibrium involving the continuous creation of matter throughout the universe Although today it is generally accepted that the universe started some ten billion years ago in a big bang many readers may not fully realize that this standard view owed much of its formation to the steady state theory By exploring the similarities and tensions between the theories Kragh provides the reader with indispensable background for understanding much of today's commentary about our universe



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