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9789814632072) from Amazon's Book

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Building the H Bomb: A Personal History can at times get very technical. While the author does try to make this subject very accessible to the layman there is little this or any author can do to Nuclear science painfully easy to understand to those who lack a love and understanding of basic nuclear physics.

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Kenneth W. Ford (Goodreads Author)  
3.94 · Rating details · 168 ratings · 18 reviews. In this engaging scientific memoir, Kenneth Ford recounts the time when, in his mid-twenties, he was a member of the team that designed

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and built the first hydrogen bomb. He worked with - and relaxed with - scientific giants of that time such as Edward Teller, Enrico Fermi, Stan Ulam, John von Neumann, and John Wheeler, and here offers illuminating insights into the person.

Building the H Bomb: A Personal History by Kenneth W. Ford  
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Building the H Bomb - World Scientific  
Building the H Bomb has an unusual structure. I call it a three-stranded braid. I wanted the book to be, first, a memoir: the informal, chatty story of a young theoretical physicist helping to design the world's first hydrogen bomb and, in the process, learning to love the West (strand 1).

Building The H Bomb: A Personal History, Kenneth W Ford ...

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Building The H Bomb A Personal History [EBOOK]

H-Bomb History Published Over Government Objections. Physicist Kenneth W. Ford, who participated in the design of the hydrogen bomb in the early 1950s, has published a memoir of his experiences despite the objections of Energy Department reviewers who requested substantial redactions in the text. "Building the H Bomb: A Personal History" was released this month in softcopy by World Scientific Publishing Company.

H-Bomb History Published Over Government Objections ...

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In his 1995 book *Dark Sun: The Making of the Hydrogen Bomb*, author Richard Rhodes describes in detail the internal components of the "Ivy Mike" Sausage device, based on information obtained from extensive interviews with the scientists and engineers who assembled it. According to Rhodes, the actual mechanism for the compression of the secondary was a combination of the radiation pressure,



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foam plasma pressure, and tamper-pusher ablation theories described above; the radiation from the ...

Thermonuclear weapon - Wikipedia  
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INTRODUCTION : #1 Building The H  
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by kenneth w ford author 41 out of 5  
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Building The H Bomb A Personal  
History [PDF, EPUB EBOOK]

▯Building the H Bomb▯ is a rather  
charming and quite readable account  
of a young man finding his way in the

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midst of momentous scientific and political upheaval. It is not a history of the H-Bomb. For that, one still needs to turn to Richard Rhodes' "Dark Sun" and other works. Dr.

## Building The H Bomb

The book delivers in spades. I realize now the reason the book is so short is the same reason virtually any other book on H bombs is short: most of the material is still classified. (Richard Rhode's, The Making of the Hydrogen Bomb, is a longish book. But less than 10% of it is actually about the design, assembly, and testing of H bombs.)

Amazon.com: Building The H Bomb: A Personal History ...

Building the H Bomb: A Personal History. By Kenneth W. Ford, 2015, 221 pages, World Scientific,

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Hackensack, NJ, ISBN:

978-9814632072, \$47 hardback, \$17 paperback. The invention of hydrogen bombs was a major, page-changing event. An increase by a factor of one thousand (ten doublings) from kilotons to megatons is a big deal.

APS Physics | FPS | Building the H Bomb: A Personal History

Building the H Bomb: A Personal History. By: Kenneth W. Ford.

Narrated by: Adam B. Ford. Free with 30-day trial £7.99/month after 30 days.

Cancel anytime Summary. In this engaging scientific memoir, Kenneth Ford recounts the time when, in his mid-20s, he was a member of the team that designed and built the first hydrogen bomb. ...

Building the H Bomb: A Personal

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History Audiobook ...

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IN THE NEWS Podcast □ Building the H Bomb: A Personal History Hosted by Milt Rosenberg (1590 WCGO), 25 June 2015 Building the H-Bomb: The Big Idea APS News, June 2015 (Volume 24, Number 6) Behind the Making of a Super Bomb The Washington Post, 22 May 2015 Hydrogen Bomb Physicist's Book

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Runs Afoul of Energy Department The New York Times, 23 March 2015 More

In this engaging scientific memoir, Kenneth Ford recounts the time when, in his mid-twenties, he was a member of the team that designed and built the first hydrogen bomb. He worked with and relaxed with scientific giants of that time such as Edward Teller, Enrico Fermi, Stan Ulam, John von Neumann, and John Wheeler, and here offers illuminating insights into the personalities, the strengths, and the quirks of these men. Well known for his ability to explain physics to nonspecialists, Ford also brings to life the physics of fission and fusion and provides a brief history of nuclear science from the discovery of radioactivity in 1896 to the ten-megaton explosion of "Mike" that obliterated a Pacific Island in 1952.

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Ford worked at both Los Alamos and Princeton's Project Matterhorn, and brings out Matterhorn's major, but previously unheralded contribution to the development of the H bomb. Outside the lab, he drove a battered Chevrolet around New Mexico, a bantam motorcycle across the country, and a British roadster around New Jersey. Part of the charm of Ford's book is the way in which he leavens his well-researched descriptions of the scientific work with brief tales of his life away from weapons. Contents: The Big Idea The Protagonists The Choice The Scientists, the Officials, and the President Nuclear Energy Some Physics Going West A New World The Classical Super Calculating and Testing Constructing Matterhorn Academia Cowers New Mexico, New York, and New

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JerseyThe Garwin DesignClimbing MatterhornMore Than a Boy Readership: A memoir for general readership in the history of science. Key Features:It contains real physics, clearly presented for non-specialistsCombining historical scholarship and his own recollections, the author offers important insights into the people and the work that led to the first H bombPersonal anecdotes enliven the bookKeywords:Nuclear Weapons;Atomic Weapons;H Bomb;Thermonuclear Weapons;Nuclear Physics;Nuclear History;Thermonuclear History;Los Alamos;Edward Teller;Stanislav Ulam;John Wheeler;Project MatterhornReviews: "It was a great treat to read a book that's well-written, informative, and gets the science right. It is these personal recollections and

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descriptions; the fact that it is a personal and first-hand account of a unique time in history and a remarkable scientific and technical achievement that made this book so enthralling. This is an engaging account of a young scientist involved in a remarkable project. P Andrew Karam The Ohio State University

Ford's book is a valuable resource for anyone interested in the history of the H bomb and its role in the Cold War, and in how that work affected the life and career of an individual involved.

Physics Today "Personal memories are the book's greatest strength. Ford doesn't glorify, or apologize for, his work on the H-bomb. He simply tells it as it was. As a result, this is an engagingly human glimpse into the world of physics in the US in the early 1950s." Physics World



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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.

"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

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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,

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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"--

Tells the story of the making of the H-bomb and reveals how it created a nuclear stalemate that lasted forty years

"... offers the quickest way I know to acquire the basic historical background that we ought all to have."  
□Louis J. Halle, Survival This classic in the field of military history covers weaponry from Archimedes' catapult

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down to MIRV and the ABM, emphasizes the contributions of science to warfare, and includes an extensive new chapter on the weapons of the nuclear age.

Grappling with the Bomb is a history of Britain's 1950s program to test the hydrogen bomb, code name Operation Grapple. In 1957-58, nine atmospheric nuclear tests were held at Malden Island and Christmas Island—today, part of the Pacific nation of Kiribati. Nearly 14,000 troops travelled to the central Pacific for the UK nuclear testing program—many are still living with the health and environmental consequences. Based on archival research and interviews with nuclear survivors, Grappling with the Bomb presents i-Kiribati woman Sui Kiritome, British pacifist Harold Steele,

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businessman James Burns, Fijian sailor Paul Ah Poy, English volunteers Mary and Billie Burgess and many other witnesses to Britain's nuclear folly.

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.

The classic and "utterly engrossing" study of Stalin's pursuit of a nuclear bomb during the Cold War by the renowned political scientist and historian (Foreign Affairs). For forty years the U.S.-Russian nuclear arms race dominated world politics, yet the Soviet nuclear establishment was shrouded in secrecy. Then, shortly after the collapse of the Soviet Union,

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David Holloway pulled back the Iron Curtain with his "marvelous, groundbreaking study" *Stalin and the Bomb* (The New Yorker). How did the Soviet Union build its atomic and hydrogen bombs? What role did espionage play? How did the American atomic monopoly affect Stalin's foreign policy? What was the relationship between Soviet nuclear scientists and the country's political leaders? David Holloway answers these questions by tracing the dramatic story of Soviet nuclear policy from developments in physics in the 1920s to the testing of the hydrogen bomb and the emergence of nuclear deterrence in the mid-1950s. This magisterial history throws light on Soviet policy at the height of the Cold War, illuminates a central element of the Stalinist system, and puts into

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perspective the tragic legacy of this program—environmental damage, a vast network of institutes and factories, and a huge stockpile of unwanted weapons.

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

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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.

Outlines what it takes to make chemical, biological, and nuclear weapons; suggests who might be able to produce and use such weapons; and examines how effective countermeasures might be.

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