



# DR. SPACE

The Life of Wernher von Braun

BOB WARD

# Dr Space The Life Of Wernher Von Braun

**Deborah Kisatsky**



## **Dr Space The Life Of Wernher Von Braun:**

*Dr. Space* Robinson J Ward,2009-09-01 Written by veteran aerospace journalist Bob Ward who spent years investigating his subject this biography presents a revealing but even handed portrait of the father of modern rocketry As he chronicles Werner von Braun s life Ward explodes many myths and misconceptions about the controversial genius who was a hero to some a villain to others The picture of von Braun that emerges is of a brilliant scientist with limitless curiosity and a drive to achieve his goals at almost any price from developing the world s first ballistic missile used against the Allies in World War II to helping launch the first U S satellite that hurled Americans into space and the Saturn V super booster that powered them to the moon Along the way readers are introduced to the human side of this charismatic visionary who brought the United States into the Space Age *Wernher Von Braun, Revised Edition* Ray Spangenburg,Diane Kit Moser,2009 Wernher von Braun Revised Edition examines the life and career of the famed rocket scientist who supervised the development of the powerful rockets used by Apollo astronauts to reach the moon Controversy surrounds von Braun s work in Germany duri

*Von Braun* Michael Neufeld,2017-04-12 Curator and space historian at the Smithsonian s National Air and Space Museum delivers a brilliantly nuanced biography of controversial space pioneer Wernher von Braun Chief rocket engineer of the Third Reich and one of the fathers of the U S space program Wernher von Braun is a source of consistent fascination Glorified as a visionary and vilified as a war criminal he was a man of profound moral complexities whose intelligence and charisma were coupled with an enormous and some would say blinding ambition Based on new sources Neufeld s biography delivers a meticulously researched and authoritative portrait of the creator of the V 2 rocket and his times detailing how he was a man caught between morality and progress between his dreams of the heavens and the earthbound realities of his life

*Nazis on the Potomac* Robert K. Sutton,2022-01-07 A fascinating account of the secret Virginia facility code named PO Box 1142 where the US gathered intelligence and interrogated German prisoners Journal of Counterterrorism Homeland Security International About fifteen miles south of Washington DC Fort Hunt Virginia is a green open space enjoyed by residents But not so long ago it was the site of one of the highest level clandestine operations of World War II Shortly after the US entered the war the military realized it had to work on exploiting any advantages it might gain on the Axis Powers One part of this endeavor was to establish a secret facility not too close to but also not too far from the Pentagon which would interrogate and eavesdrop on the highest level Nazi prisoners and also translate and analyze captured German war documents That complex was established at Fort Hunt known by the code name PO Box 1142 The American servicemen who did the interrogating and translating were young bright hardworking and absolutely dedicated to their work Many of them were Jews who d escaped Nazi Germany as children some had come to America with their parents others had escaped alone but their experiences and what they d been forced to leave behind meant they had personal motivation to do whatever they could to defeat Nazi Germany They were perfect for the difficult and complex job at hand They never used corporal

punishment in interrogations of German soldiers but developed and deployed dozens of tricks to gain information The Allies won the war against Hitler for a host of reasons discussed in hundreds of volumes This is the first book to describe the intelligence operations at PO Box 1142 and their part in that success It will never be known how many American lives were spared or whether the war ended sooner with the programs at Fort Hunt but it is doubtless that they made a difference and gave the young Jewish men stationed there the chance to combat the evil that had befallen them and their families Fills a gap in World War II intelligence history by documenting the origins of a number of European Theater intelligence successes thanks to the work of Ft Hunt interrogators Studies in Intelligence Includes photographs A History of the Atomic Space Age and Its Implications for the Future Willis L. Shirk, 2018-02-12 The Atomic Space Age has been and continues to be an engine for future wealth creation Humanity stands on the verge of becoming an interplanetary species We know we are made of star stuff precisely because many of the isotopes in our bodies originated in the death throes of dying suns With the discovery of nuclear fission in 1938 mankind was for the first time able to glimpse both our distant past and our possible future As with the discovery of fire and agriculture thousands of years ago wind power hundreds of years ago and steam power and electricity in the nineteenth century we must now learn to tame this powerful new force locked within the heart of the atom Buckminster Fuller once observed that wealth is nothing more than energy compounded by ingenuity Since mass energy can never decrease and ingenuity will only increase there is no limit to the quantity of wealth that our species can and will create using nuclear space propulsion Epic Rivalry Von Hardesty, Gene Eisman, 2007-09-18 When Neil Armstrong and Buzz Aldrin walked on the moon in 1969 they personified an almost unimaginable feat the incredibly complex task of sending humans safely to another celestial body This extraordinary odyssey which grew from the rivalry between the United States and the Soviet Union during the Cold War was galvanized by the Sputnik launch in 1957 To mark the fiftieth anniversary of Sputnik National Geographic recaptures this gripping moment in the human experience with a lively and compelling new account Written by Smithsonian curator Von Hardesty and researcher Gene Eisman Epic Rivalry tells the story from both the American and the Russian points of view and shows how each space faring nation played a vital role in stimulating the work of the other Scores of rare unpublished and powerful photographs recall the urgency and technical creativity of both nations efforts The authors recreate in vivid detail the parallel universes of the two space exploration programs with visionaries Wernher von Braun and Sergei Korolev and political leaders John F Kennedy and Nikita Khrushchev at the epicenters The conflict between countries and the tense drama of their independent progress unfolds in vivid prose Approaching its subject from a uniquely balanced perspective this important new narrative chronicles the epic race to the moon and back as it has never been told before and captures the interest of casual browsers and science space and history enthusiasts alike Our Moon Rebecca Boyle, 2025-06-03 LONGLISTED FOR THE NATIONAL BOOK AWARD NATIONAL BESTSELLER A riveting feat of science writing that recasts that most familiar of celestial objects into something eerily extraordinary pivotal to our history

and awesome in the original sense of the word Ed Yong New York Times bestselling author of An Immense World WINNER OF THE LOS ANGELES TIMES BOOK PRIZE A NEW YORKER AND SMITHSONIAN BEST BOOK OF THE YEAR A New York Times Book Review Editors Choice Many of us know that the Moon pulls on our oceans driving the tides but did you know that it smells like gunpowder Or that it was essential to the development of science and religion Acclaimed journalist Rebecca Boyle takes readers on a dazzling tour to reveal the intimate role that our 4 51 billion year old companion has played in our biological and cultural evolution Our Moon s gravity stabilized Earth s orbit and its climate It drew nutrients to the surface of the primordial ocean where they fostered the evolution of complex life The Moon continues to influence animal migration and reproduction plants movements and possibly the flow of the very blood in our veins While the Sun helped prehistoric hunters and gatherers mark daily time early civilizations used the phases of the Moon to count months and years allowing them to plan farther ahead Mesopotamian priests recorded the Moon s position in order to make predictions and in the process created the earliest known empirical scientific observations In Our Moon Boyle introduces us to ancient astronomers and major figures of the scientific revolution including Johannes Kepler and his influential lunar science fiction Our relationship to the Moon changed when Apollo astronauts landed on it in 1969 and it s about to change again As governments and billionaires aim to turn a profit from its resources Rebecca Boyle shows us that the Moon belongs to everybody and nobody at all

The Universe in a Mirror Robert Zimmerman,2010-02-22 The Hubble Space Telescope has produced the most stunning images of the cosmos humanity has ever seen It has transformed our understanding of the universe around us revealing new information about its age and evolution the life cycle of stars and the very existence of black holes among other startling discoveries But it took an amazing amount of work and perseverance to get the first space telescope up and running The Universe in a Mirror tells the story of this telescope and the visionaries responsible for its extraordinary accomplishments Robert Zimmerman takes readers behind the scenes of one of the most ambitious scientific instruments ever sent into space After World War II astronomer Lyman Spitzer and a handful of scientists waged a fifty year struggle to build the first space telescope capable of seeing beyond Earth s atmospheric veil Zimmerman shows how many of the telescope s advocates sacrificed careers and family to get it launched and how others devoted their lives to Hubble only to have their hopes and reputations shattered when its mirror was found to be flawed This is the story of an idea that would not die and of the dauntless human spirit Illustrated with striking color images The Universe in a Mirror describes the heated battles between scientists and bureaucrats the perseverance of astronauts to repair and maintain the telescope and much more Hubble and the men and women behind it opened a rare window onto the universe dazzling humanity with sights never before seen This book tells their remarkable story A new afterword updates the reader on the May 2009 Hubble service mission and looks to the future of astronomy including the prospect of a new space telescope to replace Hubble

**Moonshot** Professor Richard Wiseman,2019-06-11 On the 50th anniversary of the Apollo 11 moon landing renowned

psychologist Richard Wiseman reveals the powerful life lessons behind humanity's greatest achievement. The historic moon landings were achieved against remarkable odds and within the space of just a few years. How can we apply the secrets of this astronomical success to our own goals to achieve the impossible in work and in life? Psychologist Richard Wiseman brings together history, psychology, and self-help in this unique and powerful guide to achieving the impossible in work and in life. The result of intensive research including interviews with surviving members of the Apollo mission control team, *Moonshot* delivers eight key lessons on teamwork, leadership, persistence, creativity, and more, each one a vital part of the mindset for success. Filled with never-before-told stories and fresh insights, *Moonshot* sheds new light on the science of success and empowers each of us to achieve the impossible. — *Rocket Age* George D. Morgan, 2020-06-09

*Rocket Age* traces the history of spaceflight innovation from Robert Goddard's early experiments with liquid fuel rockets through World War II and the work of Wernher von Braun and his German engineers on to the postwar improvements made by Sergei Korolev and his team in the Soviet Union and culminating with the historic Moon walk made by Neil Armstrong and Buzz Aldrin on July 20, 1969. From designers to engineers and even communication specialists and the builders who assembled these towering rockets, hundreds of thousands of people worked on getting humans to the Moon, yet only a few have been recognized for their contributions. George D. Morgan sets the record straight by giving these forgotten figures of space travel their due. The son of rocket scientists who worked directly on NASA projects Mercury, Gemini, and Apollo, Morgan gives behind-the-scenes details on the famous missions, including a rare interview with Dieter Huzel, Wernher von Braun's right-hand man and a chief engineer on every major manned space program. Even the most voracious readers of US space flight history will discover things in this book that they have never read before. *Rocket Age* shines a light on those that have for too long been left out of the picture of the race to land on the Moon. — **Introduction to Planetary Science** Gunter Faure, Teresa M.

Mensing, 2007-05-04. This textbook details basic principles of planetary science that help to unify the study of the solar system. It is organized in a hierarchical manner so that every chapter builds upon preceding ones. Starting with historical perspectives on space exploration and the development of the scientific method, the book leads the reader through the solar system. Coverage explains that the origin and subsequent evolution of planets and their satellites can be explained by applications of certain basic principles of physics, chemistry, and celestial mechanics, and that surface features of the solid bodies can be interpreted by principles of geology. — The Apollo Chronicles Brandon R. Brown, 2019. A uniquely earthbound story of space travel, *The Apollo Chronicles* immerses readers in the obsessive lives and work of NASA's engineers from the starting gun of the space race through the triumphant Moon landings. Filled with new interviews, scrubbed of technical jargon and infused with the turbulent backdrop of the 1960s, the narrative follows a handful of main characters through their longest days, tightest deadlines, and most confounding challenges. In the end, the surviving engineers reflect: How exactly did we do it, and what did we learn? — The United States and the European Right, 1945-1955 Deborah Kisatsky, 2005. Nazi

Germany's defeat in May 1945 commenced a decade long allied effort to democratize the former Reich. The United States simultaneously began sheltering scientists, industrialists and military officers complicit in Nazi crimes. What explained this conflict between the spirit and practice of denazification? Did U.S. Cold War anticommunism simply replace antifascism in the postwar period? Did Americans favor rightists over leftists in a quest to restore order in Europe? In this groundbreaking study, Deborah Kisatsky shows that opportunity, not order, galvanized U.S. foreign policy and that American dealings with the European Right were more complex than has been presumed. U.S. leaders cooperated with West German Chancellor Konrad Adenauer to achieve shared Atlanticist goals. And the United States co-opted nationalistic fighters into a secret stay behind net of the Bund Deutscher Jugend, Technischer Dienst. But allied leaders jointly worked to contain such vocal nationalist nationalists as the ex-Nazi Otto Strasser. Cooperation, co-optation and containment of French and Italian as of German rightists advanced American hegemony in Europe. These strategies extended techniques of social control perfected within the United States and synthesized domestic and international systems of power in the twentieth century. **BOOK JACKET**

*Rocket Science* Mark Denny, Alan McFadzean, 2019-10-08 This is a book about rocket science, what it is and what it does. From the earliest fireworks to nuclear powered spacecraft, all you would ever want or need to know about the subject is here, along with a straightforward explanation of how, why and when things work or sometimes don't. We begin with the history and workings of early terrestrial rocketry, before moving onto the main subject of the book: how we get things into space and, on occasion, back again. Entirely math-free, the chapters weave together innumerable anecdotes, real world examples and easy walk-throughs to help readers break down the complex physics behind some of humankind's most amazing feats. Neither a pure textbook nor a populist space travel tome, the book will educate, inform and, above all, entertain anyone intrigued by rocket science.

My Journey Through a Changing South Charlie Grainger, 2019-11-14 Charlie Grainger has lived through eight decades of positive change in his favorite place, the American South. Born on an unpaved Alabama country road during the Great Depression, he nearly died twice during infancy, nearly drowned as a teenager, then escaped death as a young man while flying on a small plane. Through multiple near-death experiences, he says that God was always in his corner. As a young man, the Summer of 1955 was filled with magic. He worked as a newspaperman and as a public relations professional. He witnessed an angry mob that beat up Black Freedom Riders at the Montgomery Bus Depot. He was saved by a State Public Safety Director. Others were not so lucky. View America through the eyes of a country boy who grew up to become a successful business executive, state legislator and Washington lobbyist. It will give you a greater appreciation of how far we have come as a nation.

**The American Museum of Natural History and How It Got That Way** Colin Davey, Thomas A. Lesser, 2019-05-14 An extensive history of the American Museum of Natural History and Hayden Planetarium featuring a cast of colorful characters. The American Museum of Natural History is one of New York City's most beloved institutions and one of the largest, most celebrated museums in the world. Since 1869, generations of New Yorkers and tourists of all ages have

been educated and entertained here Located across from Central Park the sprawling structure spanning four city blocks is a fascinating conglomeration of many buildings of diverse architectural styles built over a period of 150 years The first book to tell the history of the museum from the point of view of these buildings including the planned Gilder Center The American Museum of Natural History and How It Got That Way contextualizes them within New York and American history and the history of science Part II The Heavens in the Attic is the first detailed history of the Hayden Planetarium from the museum s earliest astronomy exhibits to Clyde Fisher and the original planetarium to Neil deGrasse Tyson and the Rose Center for Earth and Space and it features a photographic tour through the original Hayden Planetarium Author Colin Davey spent much of his childhood literally and figuratively lost in the museum s labyrinthine hallways The museum grew in fits and starts according to the vicissitudes of backroom deals personal agendas two world wars the Great Depression and the Cold War Chronicling its evolution from the selection of a desolate rocky hilly swampy site known as Manhattan Square to the present day the book includes some of the most important and colorful characters in the city s history including the notoriously corrupt and powerful Boss Tweed Father of New York City Andrew Haswell Green and twentieth century powerbroker and master builder Robert Moses museum presidents Morris K Jesup Henry Fairfield Osborn and Ellen Futter and American presidents polar and African explorers dinosaur hunters and German rocket scientists Features a new preface by the author and a new foreword by Neil deGrasse Tyson This is in many ways a particularly American story and anyone interested in history or museums will find this a very satisfying read Author Colin Davey had a life long love affair with the museum growing up in New York and spending many many hours happily lost in the museum collections and that shines through in his writing as does his fine in depth research Plenty of excellent graphics and photographs support this fascinating history

Seattle Book Review      **Extraterrestrial Intelligence and Human Imagination** John Traphagan, 2014-11-07 The search for extraterrestrial intelligence SETI represents one of the most significant crossroads at which the assumptions and methods of scientific inquiry come into direct contact with and in many cases conflict with those of religion Indeed at the core of SETI is the same question that motivates many interested in religion What is the place of humanity in the universe Both scientists involved with SETI and in other areas and those interested in and dedicated to some religious traditions are engaged in contemplating these types of questions even if their respective approaches and answers differ significantly This book explores this intersection with a focus on three core points 1 the relationship between science and religion as it is expressed within the framework of SETI research 2 the underlying assumptions many of which are tacitly based upon cultural values common in American society that have shaped the ways in which SETI researchers have conceptualized the nature of their endeavor and represented ideas about the potential influence contact might have on human civilization and 3 what sort of empirical evidence we might be able to access as a way of thinking about the social impact that contact with alien intelligence might have for humanity from both religious and cultural perspectives The book developed as a result of a course



the author teaches at the University of Texas at Austin Religion Science and the Search for Extraterrestrial Intelligence

**Dangerous Creations** Ana I. Oancea, 2025-05-27 *Dangerous Creations* presents a master narrative of the inventor in fin de siècle French literature by analyzing the works of Jules Verne, Albert Robida, and Jules Verne Zola and Villiers de l'Isle Adam. Their writings challenge the role of science in shaping French national identity and aim to transform contemporary understandings of science and technology. The book reveals how Verne, Robida, Zola, and de l'Isle Adam reimagine the figure of the inventor, reshaping the literary standards of their time. Universally male in these narratives, the inventor serves as a flawed exemplar of national heroism during the Age of Empire, a period marked by significant external threats and internal strife while also embodying unrestrained creativity. Ultimately, the inventor novel reflects broader French anxieties surrounding scientific progress, empire, and gender. Ana Oancea explores the transmedia and transnational legacy of the fin de siècle inventor novel through vignettes that highlight similarly themed narratives in contemporary popular culture. These sections engage with films, television series, graphic narratives, and video games that reinterpret key aspects of the inventor narrative, shedding light on its power structures, racial and gender politics, and colonial aspirations.

**Lady Astronauts, Lady Engineers, and Naked Ladies** Karin Hilck, 2019-07-08 The book *Lady Astronauts, Lady Engineers, and Naked Ladies* is a gender history of the American space community and by extension a social history of American society in the twentieth century during the Cold War. In order to expand and differentiate the prevalent postwar narrative about gender relations and cultural structures in the United States, the book analyzes several different groups of women interacting in different social spaces within the space community. It therewith grants insight into the several layers of female participation and agency in the community and the gender and race-based obstacles and hurdles the female prospective astronauts, scientists, engineers, artists, administrators, writers, hostesses, secretaries, and wives were faced with at NASA and in the space industry. In each chapter, a different social space within the space community is analyzed. The spaces where the women lived and worked are researched from a media, individual, and institutional angle, ultimately revealing the differing gender philosophies communicated in the public sphere and the space community workplaces by government and space community officials. While women were publicly encouraged to participate in the American space effort to beat the Soviet Union in the race to the moon, women had to deal with gender-based barriers which were integral to the structures of the space community just as they were an intrinsic component of all societal structures in the United States in the 1960s. The female space workers, who were often perceived as disrupters of the prevalent social order in the space community and discriminated by some of their male colleagues and bosses on a personal basis, still managed to assert themselves. They molded pockets of agency in the space community workspaces without the facilitation of regulations on the part of NASA that might have provided them with easier access or more agency. Thus, the space community, a place of technological innovation, was not necessarily also a place of social innovation but a community with a government agency at its center that mainly mirrored the current, changing social order, conventions, and policies in

the 1960s as well as in the 1970s and 1980s Nevertheless the women presented in this book were instrumental in advancing and consolidating the social transformation that happened within the space community and the United States and therefore make intriguing subjects of research Thus this systematic analysis of the connection between gender space and the Cold War adds a new dimension to space history as well as expands the discourse in American history about gender relations and the opportunities of women in the twentieth century *John Houbolt* William F. Causey, 2020-03-15 In May 1961 President Kennedy announced that the United States would attempt to land a man on the moon and return him safely to the earth before the end of that decade Yet NASA did not have a specific plan for how to accomplish that goal Over the next fourteen months NASA vigorously debated several options At first the consensus was to send one big rocket with several astronauts to the moon land and explore and then take off and return the astronauts to earth in the same vehicle Another idea involved launching several smaller Saturn V rockets into the earth orbit where a lander would be assembled and fueled before sending the crew to the moon But it was a small group of engineers led by John C Houbolt who came up with the plan that propelled human beings to the moon and back not only safely but faster cheaper and more reliably Houbolt and his colleagues called it lunar orbit rendezvous or LOR At first the LOR idea was ignored then it was criticized and then finally dismissed by many senior NASA officials Nevertheless the group under Houbolt's leadership continued to press the LOR idea arguing that it was the only way to get men to the moon and back by President Kennedy's deadline Houbolt persisted risking his career in the face of overwhelming opposition This is the story of how John Houbolt convinced NASA to adopt the plan that made history

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## **Table of Contents Dr Space The Life Of Wernher Von Braun**

1. Understanding the eBook Dr Space The Life Of Wernher Von Braun
  - The Rise of Digital Reading Dr Space The Life Of Wernher Von Braun
  - Advantages of eBooks Over Traditional Books
2. Identifying Dr Space The Life Of Wernher Von Braun
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Dr Space The Life Of Wernher Von Braun
  - User-Friendly Interface
4. Exploring eBook Recommendations from Dr Space The Life Of Wernher Von Braun
  - Personalized Recommendations
  - Dr Space The Life Of Wernher Von Braun User Reviews and Ratings
  - Dr Space The Life Of Wernher Von Braun and Bestseller Lists
5. Accessing Dr Space The Life Of Wernher Von Braun Free and Paid eBooks
  - Dr Space The Life Of Wernher Von Braun Public Domain eBooks
  - Dr Space The Life Of Wernher Von Braun eBook Subscription Services
  - Dr Space The Life Of Wernher Von Braun Budget-Friendly Options

6. Navigating Dr Space The Life Of Wernher Von Braun eBook Formats
  - ePub, PDF, MOBI, and More
  - Dr Space The Life Of Wernher Von Braun Compatibility with Devices
  - Dr Space The Life Of Wernher Von Braun Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Dr Space The Life Of Wernher Von Braun
  - Highlighting and Note-Taking Dr Space The Life Of Wernher Von Braun
  - Interactive Elements Dr Space The Life Of Wernher Von Braun
8. Staying Engaged with Dr Space The Life Of Wernher Von Braun
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Dr Space The Life Of Wernher Von Braun
9. Balancing eBooks and Physical Books Dr Space The Life Of Wernher Von Braun
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Dr Space The Life Of Wernher Von Braun
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Dr Space The Life Of Wernher Von Braun
  - Setting Reading Goals Dr Space The Life Of Wernher Von Braun
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Dr Space The Life Of Wernher Von Braun
  - Fact-Checking eBook Content of Dr Space The Life Of Wernher Von Braun
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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