

NASA A Human Adventure Ediz Illustrata

LONGLISTED FOR THE NATIONAL BOOK AWARD • YALSA EXCELLENCE IN NONFICTION FINALIST • A ROBERT F. SIBERT HONOR BOOK
This beautifully illustrated, oversized guide to the people and technology of the moon landing by award-winning author/illustrator John Rocco (illustrator of the Percy Jackson series) is a must-have for space fans, classrooms, and tech geeks. Everyone knows of Neil Armstrong's famous first steps on the moon. But what did it really take to get us there? The Moon landing is one of the most ambitious, thrilling, and dangerous ventures in human history. This exquisitely researched and illustrated book tells the stories of the 400,000 unsung heroes--the engineers, mathematicians, seamstresses, welders, and factory workers--and their innovations and life-changing technological leaps forward that allowed NASA to achieve this unparalleled accomplishment. From the shocking launch of the Russian satellite Sputnik to the triumphant splashdown of Apollo 11, Caldecott Honor winner John Rocco answers every possible question about this world-altering mission. Each challenging step in the space race is revealed, examined, and displayed through stunning diagrams, experiments, moments of crisis, and unforgettable human stories. Explorers of all ages will want to pore over every page in this comprehensive chronicle detailing the grandest human adventure of all time!

In Volume 3 of his Moonwalkers(tm) series, author John Getter once again uses his experience as NASA's reporter-of-choice for pool coverage, private pilot and personal friend to many of the astronauts, to reveal the little-known stories behind the history of space exploration. Join John as he takes the reader on a day-by-day journey through the human adventure of space exploration from the birth of NASA in 1958 through the last American's walk on the moon in 1972. Share insider stories like the good luck urination on launch pads through the devastating losses of human life. Learn more about the triumphs, disasters and cover-ups that were such an integral part of the "Cold War" race to the Moon. This e-book includes 37 photographs from John's personal collection as well as NASA and Soviet archives. A great follow-up to John's best-selling Moonwalkers(tm) Volume 1 "To the Moon: Untold Stories of the Space Race" and Moonwalkers(tm) Volume 2 "Space Truck: Untold Stories of the Space Shuttle"

For those interested in the human conquest of space and exploration of the planets, Martin Turner describes the challenges that will be presented by the next "giant leap" in the human exploration of our Solar System--a return journey to the Red Planet. The author begins by describing how the very latest rocket propulsion and spacecraft technology, and planned developments in nuclear and electric propulsion technologies, are the key factors that will enable a human expedition to Mars. Of particular importance are the challenges of transporting cargo to Mars and in providing necessary life support for the crew, including supply of consumables, such as food, water, air and fuel, for the return journey.

Hearings Before the Subcommittee on National Security, International Affairs, and Criminal Justice of the Committee on Government Reform and Oversight, House of Representatives, One Hundred Fifth Congress, First Session, May 9 and 19, 1997

LEAVING EARTH: SPACE STATIONS, RIVAL SUPERPOWERS, AND THE QUEST FOR INTERPLANETARY TRAVEL

The Rise and Fall of the Future

NASA's Journey to Tomorrow

STAR TRUCK: Untold History of the Space Shuttle

Report of the Subcommittee on Space Science and Applications, Prepared for the Committee on Science and Technology, U.S. House of Representatives, Ninety-fourth Congress, First Session

America's Changing Vision of Tomorrow, 1939-1986

Since NASA was established in 1958, it has landed rovers on distant planets and launched telescopes deep into space—all so that we can look back to the beginning of time. Through stunning images provided by NASA and fascinating profiles and sidebars of lesser known contributors to the NASA program, young space fans will learn how NASA started, how it faced how it will continue to move forward in the future. NASA's boundless curiosity and urge to explore lies at the heart of the human adventure. NASA rises to the urgent challenges we face, using its massive reach and expertise to find answers to vital questions like: How can we learn to live in a more extreme natural environment? Inspired by Rory Kennedy's documen aims to leave audiences hopeful and inspired about the future of our planet—and convinced that NASA is essential to our continued survival as we mark its important anniversaries and dream of new discoveries to come.

In Volume 2 of his Moonwalkers(tm) series, author John Getter once again uses his experience as NASA's reporter-of-choice for pool coverage, private pilot and personal friend to many of the astronauts, to reveal the little-known stories behind the history of the space shuttle. Join John as he takes the reader on a journey through the joys and frustrations of the h last American's walk on the moon to the last shuttle flights. Share the humor of the "cola wars" in space and the "toilet tours." Learn more about the shocking revelations and cover-ups that followed the Challenger and Columbia disasters. Experience the emotions as John describes the accidents and what the investigations revealed really happened to the crew as potentially devastating effects resulting from the decision to end the space shuttle program prematurely. This e-book includes 30 photographs from John's personal collection as well as NASA archives. A great follow-up to John's best-seller Moonwalkers(tm) Volume 1 "To The Moon: Untold Stories of the Space Race."

The 1960s and early 70s saw the evolution of Frontier Myths even as scholars were renouncing the interpretive value of myths themselves. Works like Joe Haldeman's The Forever War exemplified that rejection using his experiences during the Vietnam War to illustrate the problematic consequences of simple mythic idealism. Simultaneously, Americans were playing Myths, though in a contemporary context, through NASA's lunar missions, Star Trek, and Gerard K. O'Neill's High Frontier. This book examines the reasons behind the exclusion of Frontier Myths to the periphery of scholarly discourse, and endeavors to build a new model for understanding their enduring significance. This model connects NASA's failed attempts to recy of those myths and rejection of the idea of a frontier paradise, to O'Neill's desire to realize such a paradise in Earth's orbit. This new synthesis defies the negative connotations of Frontier Myths during the 1960s and 70s and attempts to resuscitate them for relevance in the modern academic context.

How We Got to the Moon

The Penguin Book of Outer Space Exploration

Expedition Mars

Exploring the Next Frontier

Inside the First Human Settlement on Mars

Department of State Bulletin

NASA EP.

Hidden Human Computers discusses how in the 1950s, black women made critical contributions to NASA by performing calculations that made it possible for the nation's astronauts to fly into space and return safely to Earth. Aligned to Common Core Standards and correlated to state standards. Essential Library is an imprint of Abdo Publishing, a division of ABDO.

Why was the mission to the Moon named after the God of the Sun, and not after a Moon Goddess or God? In this unconventional work, Philippe Sibaud explores the symbolism behind the 1969 landing on the Moon. More than fifty years after this seminal event, and whilst the Moon is attracting renewed interest, the author offers a bold new interpretation of the iconic Apollo mission. Was the Apollo landing the ultimate triumph of solar consciousness over the ancient lunar ways, a concrete enactment of the god Apollo mythically slaying the mother dragon at Delphi, or can the whole venture be seen as the sacred union of Sun and Moon, birthing a new vision at a time of great need? By weaving his own personal story with a greater cultural and symbolic narrative, Philippe Sibaud invites us to reflect on the importance of myths and the power of the Imagination to unlock the deeper meaning of our individual and collective experiences. You will never look at the Moon with the same eyes again.

Mid-20th century America envisioned a wondrous future of comfort, convenience and technological advancement. Popular culture--including World's Fairs, science fiction and advertising--fed high hopes even when war and hardship threatened. American ingenuity and consumer culture promised to deliver flying cars, undersea cities, household robots and space travel. By the 1960s political assassinations, the civil rights and women's movements, the Vietnam War and the "generation gap" eroded that optimism, refocusing attention on the issues of the present. The nation's utopian dream was brief but revealing. Based on a wide range of sources, this book takes a fresh look at America's precipitous fall from futurism to disillusionment.

Scavengers of Beauty

National Aeronautics and Space Administration Space Station Proposal

NASA and the Incredible Story of Human Spaceflight

Forever Young

Civilian Space Policy and Applications

Humans in Space

Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations for 2004

The autobiography of astronaut John Young.

An exploration of the changing conceptions of the Space Shuttle program and a call for a new vision of spaceflight. The thirty years of Space Shuttle flights saw contrary changes in American visions of space. Valerie Neal, who has spent much of her career examining the Space Shuttle program, uses this iconic vehicle to question over four decades' worth of thinking about, and struggling with, the meaning of human spaceflight. She examines the ideas, images, and icons that emerged as NASA, Congress, journalists, and others sought to communicate rationales for, or critiques of, the Space Shuttle missions. At times concurrently, the Space Shuttle was billed as delivery truck and orbiting science lab, near-Earth station and space explorer, costly disaster and pinnacle of engineering success. The book's multidisciplinary approach reveals these competing depictions to examine the meaning of the spaceflight enterprise. Given the end of the Space Shuttle flights in 2011, Neal makes an appeal to reframe spaceflight once again to propel humanity forward. "Neal may be the one person who knows the space shuttle program better than the astronauts who flew this iconic vehicle. Her book casts new light on the program, exploring its cultural significance through a thoughtful analysis. As one who lived this history, I gained much from her broader perspective and deep insights."—Kathryn D. Sullivan, retired NASA astronaut and former Administrator of the National Oceanic and Atmospheric Administration "A much needed look at how to create a cultural narrative for human spaceflight that resonates with millennials rather than the Apollo generation. Quite valuable."—Marcia Smith, Editor, SpacePolicyOnline.com

Find out all about NASA in this out-of-this-world addition to the What Was? series. The National Aeronautics and Space Administration, better known as NASA, began in 1958. With its creation, the United States hoped to ensure it won the space race against the Soviet Union. Author Sarah Fabiny describes the origins of NASA, the launching of the Apollo program that landed the first human on the moon, and the many missions and discoveries that have taken place since then. NASA has a rich history and still plays an important role in uncovering the mysteries of the universe. Readers are sure to get sucked into this book.

Vietnam, NASA, Star Trek and Utopia in 1960s and 70s American Myth and History

Status and Issues : Hearing Before the Subcommittee on Space and Aeronautics, Committee on Science and Technology, House of Representatives, One Hundred Tenth Congress, Second Session, April 3, 2008

What Is NASA?

NASA, Mission, the Universe

The People, Technology, and Daring Feats of Science Behind Humanity's Greatest Adventure

New Space Frontiers

(e-Book Edition Available)

Human curiosity has led us to explore our solar system, landing on the moon and sending spacecraft to study distant planetary objects. The next step in our great adventure is putting humans on Mars, but what will it really take to achieve this? In 2011, Mars One announced its intentions to establish a permanent human settlement on Mars beginning as early as 2024; in 2013 it launched its astronaut-selection program and received thousands of applications. The highly anticipated Mars One documentary series will provide a window into the captivating details of the crew selection and training process, allowing the whole world to follow along as Mars' first settlers prepare for their mission. Now, with Mars One: Humanity's Next Great Adventure, you can step even further inside the experience of these astronaut pioneers and explore the various human dimensions of Mars One's planned expeditions. Edited by Norbert Kraft, MD, Mars One's Chief Medical Officer and head of crew selection and training, as well as crew selection and training committee members James R. Kass, PhD, and Raye Kass, PhD, this collection of essays from scientists, psychologists, and more provides a behind-the-scenes look at the process and criteria used to choose candidates, fascinating details about what they'll learn, and predictions about their future lives on Mars. Inside, you'll find in-depth discussions of: The essential skills and training the Mars One astronauts will need to journey to and then survive on Mars, from technical and medical know-how to the interpersonal skills necessary for working in confined quarters so far from home The challenges of going through the selection and training process while being watched by millions around the world, and what Mars One hopes watching the process will mean for viewers at home Inside information, including images, on the planned Mars One habitats and colonization timeline What settlers can expect on Mars, from daily work activities in a hostile environment to communication with Earth and options for leisure time The book also includes excerpts from candidate questionnaires, allowing readers to enter the minds of prospective Martians like never before.

NASA. A human adventure. Ediz. illustrataVariaThe Greatest AdventureA History of Human Space ExplorationReaktion Books

In the 1950s, NASA relied on human computers. These skilled women did calculations by hand. While astronauts and their accomplishments were well known, human computers often worked behind the scenes. Hidden Heroes: The Human Computers of NASA explores the legacy of NASA's human computers. Aligned to Common Core Standards and correlated to state standards. Core Library is an imprint of Abdo Publishing, a division of ABDO.

Star Ark

Spaceflight in the Shuttle Era and Beyond

Science Technology and Cultural Studies at the Third Millennium

Future Space Program 1975

21st Century Frontiers

Above and Beyond

Reinventing NASA

The fascinating story of how NASA sent humans to explore outer space, told through a treasure trove of historical documents--publishing in celebration of NASA's 60th anniversary and with a foreword by Bill Nye "An extremely useful and thought provoking documentary journey through the maze of space history. There is no wiser or more experienced navigator through the twists and turns and ups and downs than John Logsdon." -James Hansen, New York Times bestselling author of First Man, now a feature film starring Ryan Gosling and Claire Foy Among all the technological accomplishments of the last century, none has captured our imagination more deeply than the movement of humans into outer space. From Sputnik to SpaceX, the story of that journey--including the inside history of our voyages to the moon depicted in First Man--is told as never before in The Penguin Book of Outer Space Exploration. Renowned space historian John Logsdon traces the greatest moments in human spaceflight by weaving together essential, fascinating documents from NASA's history with his expert narrative guidance. Beginning with rocket genius Wernher von Braun's vision for voyaging to Mars, and closing with Elon Musk's contemporary plan to get there, this volume traces major events like the founding of NASA, the first American astronauts in space, the Apollo moon landings, the Challenger disaster, the daring Hubble Telescope repairs, and more. In these pages, we such gems as Eisenhower's reactions to Sputnik, the original NASA astronaut application, John Glenn's reflections on zero gravity, Kennedy's directives to go to the moon, discussions on what Neil Armstrong's first famous first words should be, firsthand accounts of spaceflight, and so much more.

An optimistic look at space travel not only showcases the groundbreaking technology of today but also speculates on what lies beyond today's hardware, in a book that looks at both governmental and commercial strategies for space exploration and where in the universe they may lead humans in the future.

As space ventures have become more numerous, leading scientists and theorists have offered ways of building a living habitat in a hostile environment, taking an "ecosystems" view of space colonization. The contributors to this volume take a radical multi-disciplinary view of the challenge of human space colonization through the ongoing project Persephone. This book fundamentally challenges prevalent ideas about sustainability and proposes a new approach to resource austerity and conservation and providing truly sustainable approaches that are life-promoting. Readers will learn the details of the plans for Persephone – a real project that is part of the company Icarus Interstellar’s plans for the design and engineering of a living interior on a worldship to be constructed in Earth’s orbit within 100 years. Although the timeframe itself is only an estimate, since it is contingent on many significant developments, including funding and technological advances, the industry consensus is that within 100 years we will see manned space exploration beyond our solar system. This notion is shared by organizations such as the Initiative for Interstellar Studies and the DARPA-funded 100-year starship project. This book specifically develops the principles for the construction of a living habitat within a worldship – a multi-generational starship that contains its own world that supports colonists as it travels across great distances between stars at a speed much slower than light. Far from being a sterile industrial setup, such as the ISS, or even being a bucolic suburbia as proposed by Gerard O’Neill in the 1970s, this worldship will provide the pre-conditions for sustaining life beyond Earth’s environment, which may also lead to the evolution of non-terrestrial ecologies. Drawing on the principles of ecopoiesis and insights offered by the Biosphere 2 experiment that demonstrated what we have to learn about ecosystem construction, this book proposes first designing the soils of

such a space. It should then be possible to set up the conditions that a first generation of colonists may experience in leaving our solar system to find new worlds to settle - perhaps in spreading life throughout the universe. Although the book takes a unique view of ecology and sustainability within the setting of a traveling starship it is equally concerned with the human experience on artificial worlds. Chapters come from a range of multi disciplinary thinkers who shed light on the brave new future ahead from different angles.

Human Space Flight, Bureaucracy, and Politics

A Personal, Cultural and Symbolic Exploration of the Moon Landing

Redefining Humanity's Purpose in Space

A History of Human Space Exploration

Hidden Heroes: The Human Computers of NASA

Mars One: Humanity's Next Great Adventure

Microgravity News

The official monthly record of United States foreign policy.

Describes how NASA's internal values, policy choices, and relations with other political players are all driven by its overriding goal of pursuing human space flight.

The Greatest Adventure explores the past, present, and future of the space race. The space race was perhaps the greatest technological contest of the twentieth century. It was a thrilling era of innovation, discovery, and exploration, as astronauts and cosmonauts were launched on space missions of increasing length, complexity, and danger. The Greatest Adventure traces the events of this extraordinary period, describing the initial string of Soviet achievements: the first satellite in orbit; the first animal, man, and woman in space; the first spacewalk; as well as the ultimate US victory in the race to land on the moon. The book then takes the reader on a journey through the following decades of space exploration to the present time, detailing the many successes, tragedies, risks, and rewards of space exploration.

NASA's Exploration Initiative

A Living, Self-Sustaining Spaceship

Report of the Subcommittee on Space Science and Applications

The Postmodern Adventure

Hearings Before a Subcommittee of the Committee on Appropriations, United States Senate, One-hundredth Congress, First Session : Special Hearing

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Eighth Congress, First Session

Options from the Review of U.S. Human Spaceflight Plans Committee

In this investigation and celebration of America's fascination with space, Constance Penley, a professor of film studies and women's studies at the University of California, illustrates issues of sex and sexuality in the world of science and technology and examines the widely held prejudices against women in this area. 20 photos.

This compelling book explores the challenges to theory, politics, and human identity that we face on the threshold of the third millennium. It follows on the successor of Best and Kellner's two previous books, Postmodern Theory, acclaimed as the best critical introduction to the field - and The Postmodern Turn, which provides a powerful mapping of postmodern developments developments in the arts, politics, science, and theory. In The Postmodern Adventure, Best and Kellner analyze a broad array of literary, cultural, and political phenomena from fiction, film, science, and the Internet, to globalization and the rise of a transnational image culture.

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Taming Liquid Hydrogen

Venturing Into Earth Orbit and Beyond

Future Space Programs 1975

Defining NASA's Mission and America's Vision for the Future of Space Exploration

A Life of Adventure in Air and Space

Hidden Human Computers: The Black Women of NASA