

## Apollo The Race To Moon Charles Murray

Our Story of the Cold War Space Race  
 Astronaut Eugene Cernan and America's Race in Space  
 How Apollo Flew to the Moon  
 The History and Legacy of the Cold War Competition Between the Soviet Union and the United States  
 The Race to the Moon  
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### **SARA HICKS**

Our Story of the Cold War Space Race CLAIRVIEW BOOKS  
 'IMPRESSIVE AND ILLUMINATING' TOM HANKS This is the definitive account of the heroic Apollo programme. When astronauts Neil Armstrong and Buzz Aldrin took their 'giant leap for mankind' across a ghostly lunar landscape, they were watched by some 600 million people on Earth 240,000 miles away. Drawing on hundreds of hours of in-depth interviews with the astronauts and mission personnel, this is the story of the twentieth century's greatest human achievement, minute-by-minute, through the eyes of those who were there. From the tragedy of the fire in Apollo 1 during a simulated launch, Apollo 8's bold pioneering flight around the moon, through to the euphoria of the first moonwalk, and to the discoveries made by the first scientist on the moon aboard Apollo 17, this book covers it all. 'An extraordinary book . . . Space, with its limitless boundaries, has the power to inspire, to change lives, to make the impossible happen. Chaikin's superb book

demonstrates how' Sunday Times 'A superb account . . . Apollo may be the only achievement by which our age is remembered a thousand years from now' Arthur C. Clarke 'The authoritative masterpiece' Los Angeles Times

Astronaut Eugene Cernan and America's Race in Space Apollo, the Race to the Moon  
 Growing up on either side of the Iron Curtain, David Scott and Alexei Leonov experienced very different childhoods but shared the same dream to fly. Excelling in every area of mental and physical agility, Scott and Leonov became elite fighter pilots and were chosen by their countries' burgeoning space programs to take part in the greatest technological race ever-to land a man on the moon. In this unique dual autobiography, astronaut Scott and cosmonaut Leonov recount their exceptional lives and careers spent on the cutting edge of science and space exploration. With each mission fraught with perilous risks, and each space program touched by tragedy, these parallel tales of adventure and heroism read like a modern-day thriller. Cutting fast between their differing recollections, this book reveals, in a very personal way, the drama of one of the most ambitious contests ever embarked on by man, set against the conflict that once held the world in

suspense: the clash between Russian communism and Western democracy. Before training to be the USSR's first man on the moon, Leonov became the first man to walk in space. It was a feat that won him a place in history but almost cost him his life. A year later, in 1966, Gemini 8, with David Scott and Neil Armstrong aboard, tumbled out of control across space. Surviving against dramatic odds-a split-second decision by pilot Armstrong saved their lives-they both went on to fly their own lunar missions: Armstrong to command Apollo 11 and become the first man to walk on the moon, and Scott to perform an EVA during the Apollo 9 mission and command the most complex expedition in the history of exploration, Apollo 15. Spending three days on the moon, Scott became the seventh man to walk on its breathtaking surface. Marking a new age of USA/USSR cooperation, the Apollo-Soyuz Test Project brought Scott and Leonov together, finally ending the Cold War silence and building a friendship that would last for decades. Their courage, passion for exploration, and determination to push themselves to the limit emerge in these memoirs not only through their triumphs but also through their perseverance in times of extraordinary difficulty and danger.

### How Apollo Flew to the Moon Penguin

Reader beware! This book is filled with adventure that is out of this world! You will have three chances to join the space program and help the Apollo missions reach the moon!

*The History and Legacy of the Cold War Competition Between the Soviet Union and the United States* Touchstone Books

Murray and Cox provide a dramatic, behind-the-scenes account of America's 10-year race to the moon. "A highly satisfying tale, rich, densely packed and beautifully told".--Washington Post Book World. 16 pages of black-and-white photographs.

*The Race to the Moon* HarperCollins

The moon landing of 1969 stands as an iconic moment for both the United States and humankind. The familiar story focuses on the journey of the brave astronauts, who brought home Moon rocks and startling photographs. But Apollo's full account includes the earthbound engineers, mounds of their crumpled paper, and smoldering metal shards of exploded engines. How exactly did the nation, step by difficult step, take men to the Moon and back? In *The Apollo Chronicles*, fifty years after the moon landing, author Brandon R. Brown, himself the son of an Apollo engineer, revisits the men and women who toiled behind the lights. He relays the defining twentieth-century project from its roots, bringing the engineers' work and personalities to bright life on the page. Set against the backdrop of a turbulent American decade, the narrative whisks audiences through tense deadlines and technical miracles, from President John F. Kennedy's 1961 challenge to NASA's 1969 lunar triumph, as engineers confronted wave after wave of previously unthinkable challenges. Brown immerses readers in key physical hurdles--from building the world's most powerful rockets to keeping humans alive in the hostile void of space--using language free of acronyms and technical jargon. The book also pulls back from the detailed tasks and asks larger questions. What did we learn about the Moon? And what can this uniquely innovative project teach us today?

[Escape This Book! Race to the Moon](#) Open Road Media

Instant New York Times Bestseller As the fiftieth anniversary of the first lunar landing approaches, the award winning historian and perennial New York Times bestselling author takes a fresh look at the space program, President John F. Kennedy's inspiring challenge, and America's race to the moon. "We choose to go to the Moon in this decade and do the other things, not because they are easy, but because they are hard; because that goal will serve to organize and measure the best of our energies and skills, because that challenge is one that we are willing to accept, one we are unwilling to postpone, and one we intend to win."—President John F. Kennedy On May 25, 1961, JFK made an astonishing announcement: his goal of putting a man on the moon by the end of the decade. In this engrossing, fast-paced epic, Douglas Brinkley returns to the 1960s to recreate one of the most exciting and ambitious achievements in the history of humankind. American Moonshot brings together the extraordinary political, cultural, and scientific factors that fueled the birth and development of NASA and the Mercury, Gemini and Apollo projects, which shot the United States to victory in the space race against the Soviet Union at the height of the Cold War. Drawing on new primary source material and major interviews with many of the surviving figures who were key to America's success, Brinkley brings this fascinating history to life as never before. American Moonshot is a portrait of the brilliant men and women who made this giant leap possible, the technology that enabled us to propel men beyond earth's orbit to the moon and return them safely, and the geopolitical tensions that spurred Kennedy to commit himself fully to this audacious dream. Brinkley's ensemble cast of New Frontier characters include rocketeer Wernher von Braun, astronaut John Glenn and space booster Lyndon Johnson. A vivid and enthralling chronicle of one of the most thrilling, hopeful, and turbulent eras in the nation's history, American Moonshot is an homage to scientific ingenuity, human curiosity, and the boundless American spirit.

[The People, Technology, and Daring Feats of Science Behind Humanity's Greatest Adventure](#) Simon & Schuster

In graphic novel format, presents the story of two world superpowers racing to land a man on the moon, and the people who worked on the project.

[Race to the Moon](#) Simon & Schuster

\*Includes pictures \*Includes accounts of the various missions \*Includes online resources and a bibliography for further reading Today the Space Race is widely viewed poignantly and fondly as a race to the Moon that culminated with Apollo 11 "winning" the Race for the United States. In fact, it encompassed a much broader range of competition between the Soviet Union and the United States that affected everything from military technology to successfully launching satellites that could land on Mars or orbit other planets in the Solar System. Moreover, the notion that America

"won" the Space Race at the end of the 1960s overlooks just how competitive the Space Race actually was in launching people into orbit, as well as the major contributions the Space Race influenced in leading to today's International Space Station and continued space exploration. In fact, the Soviet Union had spent much of the 1950s leaving the United States in its dust (and rocket fuel). President Eisenhower and other Americans who could view Soviet rockets in the sky were justifiably worried that Soviet satellites in orbit could soon be spying on them, or, even worse, dropping nuclear bombs on them. And in 1960, when Eisenhower's administration began planning and funding for the famous Apollo program that would land the first men on the Moon in 1969, the Soviet Union was already thinking further ahead, literally. In one of the worst kept secrets of the Space Race, the Soviet Union launched two probes, Korabl 4 and Korabl 5, toward Mars in October 1960. Eventually, the Space Race produced some of the most iconic moments of the 20th century, including the landing of the first men on the Moon, and in the years after the Space Race and the Cold War ended, the competition itself had helped lay the groundwork for international cooperation in space, both in terms of space exploration and aboard the International Space Station, which continues to orbit Earth today. The Apollo space program is the most famous and celebrated in American history, but the first successful landing of men on the Moon during Apollo 11 had complicated roots dating back over a decade, and it also involved one of NASA's most infamous tragedies. Landing on the Moon presented an ideal goal all on its own, but the government's urgency in designing the Apollo program was actually brought about by the Soviet Union, which spent much of the 1950s leaving the United States in its dust (and rocket fuel). In 1957, at a time when people were concerned about communism and nuclear war, many Americans were dismayed by news that the Soviet Union was successfully launching satellites into orbit. Over the decade, NASA would spend tens of billions on the Apollo missions, the most expensive peacetime program in American history to that point, and even though Apollo 11 was only one of almost 20 Apollo missions, it was certainly the crown jewel. only one of nearly 20 Apollo missions conducted by NASA. And to make Apollo 11 a success, it would take nearly a decade of planning by government officials, hard work by NASA scientists, intense training by the astronauts, and several missions preceding Apollo 11. It also cost over \$20 billion, making the Apollo program the most expensive peacetime program in American history at the time.

**Shoot for the Moon** Simon and Schuster

One of the most successful public relations campaigns in history, featuring heroic astronauts, press-savvy rocket scientists, enthusiastic reporters, deep-pocketed defense contractors, and Tang. In July 1969, ninety-four percent of American televisions were tuned to coverage of Apollo 11's mission to the moon. How did space exploration, once the purview of rocket scientists, reach a larger audience than *My Three Sons*? Why did a government program whose standard operating procedure had been secrecy turn its greatest achievement into a communal experience? In *Marketing the Moon*, David Meerman Scott and Richard Jurek tell the story of one of the most successful marketing and public relations campaigns in history: the selling of the Apollo program. Primed by science fiction, magazine articles, and appearances by Wernher von Braun on the "Tomorrowland" segments of the Disneyland prime time television show, Americans were a receptive audience for NASA's pioneering "brand journalism." Scott and Jurek describe sophisticated efforts by NASA and its many contractors to market the facts about space travel—through press releases, bylined articles, lavishly detailed background materials, and fully produced radio and television features—rather than push an agenda. American astronauts, who signed exclusive agreements with *Life* magazine, became the heroic and patriotic faces of the program. And there was some judicious product placement: Hasselblad was the "first camera on the moon"; Sony cassette recorders and supplies of Tang were on board the capsule; and astronauts were equipped with the Exer-Genie personal exerciser. Everyone wanted a place on the bandwagon. Generously illustrated with vintage photographs, artwork, and advertisements, many never published before, *Marketing the Moon* shows that when Neil Armstrong took that giant leap for mankind, it was a triumph not just for American engineering and rocketry but for American marketing and public relations.

[The True Story of the American Heroes on the Apollo 8 Spaceship](#) Springer Science & Business Media

Recounts American-Russian competition in space from Sputnik to Apollo 13

*First on the Moon* Random House Books for Young Readers

Stung by the pioneering space successes of the Soviet Union - in particular, Gagarin being the first man in space, the United States gathered the best of its engineers and set itself the goal of

reaching the Moon within a decade. In an expanding 2nd edition of *How Apollo Flew to the Moon*, David Woods tells the exciting story of how the resulting Apollo flights were conducted by following a virtual flight to the Moon and its exploration of the surface. From launch to splashdown, he hitches a ride in the incredible spaceships that took men to another world, exploring each step of the journey and detailing the enormous range of disciplines, techniques, and procedures the Apollo crews had to master. While describing the tremendous technological accomplishment involved, he adds the human dimension by calling on the testimony of the people who were there at the time. He provides a wealth of fascinating and accessible material: the role of the powerful Saturn V, the reasoning behind trajectories, the day-to-day concerns of human and spacecraft health between two worlds, the exploration of the lunar surface and the sheer daring involved in traveling to the Moon and the mid-twentieth century. Given the tremendous success of the original edition of *How Apollo Flew to the Moon*, the second edition will have a new chapter on surface activities, inspired by reader's comment on Amazon.com. There will also be additional detail in the existing chapters to incorporate all the feedback from the original edition, and will include larger illustrations.

*The Impossible Mission That Flew Us to the Moon* U. S. National Aeronautics & Space Administration

In a world divided by the ideological struggles of the Cold War, the Vietnam War and the Civil Rights Movement, more than one-fifth of the people on the planet paused to watch the live transmission of the Apollo 11 mission. To watch as humanity took a giant leap forward. A companion book to the landmark documentary series on BBC TV. The journey from Cape Canaveral to the Moon was a tremendous achievement of human courage and ingenuity. It was also a long, deadly march, haunted by the possibility of catastrophic failure on the world's stage. In an era when the most advanced portable computer weighed 70 pounds, had a 36-kilobite memory and operated on less power than a 60-watt lightbulb, the sheer audacity of the goal is breath-taking. But the triumph of imagination and the unity of the Earth that day would change the world. Based on eyewitness accounts and newly discovered archival material, *Chasing the Moon* reveals the unknown stories of the individuals who made the Moon landing a possibility, from inspirational science fiction writer Arthur C. Clark and controversial engineer Wernher von Braun, to pioneers like mathematician Poppy Northcutt and astronaut Edward Dwight. It vividly revisits the dawn of the Space Age, a heady time of scientific innovation, political calculation, media spectacle, visionary impulses and personal drama.

*T-Minus* Macmillan

Learn why NASA astronaut Mike Collins calls this extraordinary space race story "the best book on Apollo": this inspiring and intimate ode to ingenuity celebrates one of the most daring feats in human history. When the alarm went off forty thousand feet above the moon's surface, both astronauts looked down at the computer to see 1202 flashing on the readout. Neither of them knew what it meant, and time was running out . . . On July 20, 1969, Neil Armstrong and Buzz Aldrin became the first humans to walk on the moon. One of the world's greatest technological achievements -- and a triumph of the American spirit -- the Apollo 11 mission was a mammoth undertaking involving more than 410,000 men and women dedicated to winning the space race against the Soviets. Set amid the tensions and upheaval of the sixties and the Cold War, *Shoot for the Moon* is a gripping account of the dangers, the challenges, and the sheer determination that defined not only Apollo 11, but also the Mercury and Gemini missions that came before it. From the shock of Sputnik and the heart-stopping final minutes of John Glenn's Mercury flight to the deadly whirligig of Gemini 8, the doomed Apollo 1 mission, and that perilous landing on the Sea of Tranquility -- when the entire world held its breath while Armstrong and Aldrin battled computer alarms, low fuel, and other problems -- James Donovan tells the whole story. Both sweeping and intimate, *Shoot for the Moon* is "a powerfully written and irresistible celebration" of one of humankind's most extraordinary accomplishments (Booklist, starred review).

[The Selling of the Apollo Lunar Program](#) MIT Press

Apollo, the Race to the Moon Simon & Schuster

*Reliving the Great Space Race* Arcturus Publishing

Blast off alongside space expert Sarah Cruddas on a journey through space exploration history, from the Apollo Moon landings to mind-boggling plans for living on Mars. How did we land on the Moon? What will the space jobs of the future look like? And why did we send a car to space? The Space Race answers all of the big questions that kids have about space travel. Sarah Cruddas brings to life the hidden stories behind the most famous space missions, before taking the reader on a journey through our space future. This children's book includes a foreword by NASA astronaut

Eileen Collins, the first woman to command a Space Shuttle mission. It also includes fascinating insights from Sarah's interviews with real-life astronauts including Apollo 17's Eugene Cernan and Virgin Galactic Test Pilot Kelly Latimer. Space-mad kids will delight in the detail, photographs and information on each page, and will love seeing intricate diagrams of iconic spaceships, Moon cars and space suits created by artist Mark Ruffle. Propelled by recent scientific discoveries and printed to coincide with the 50th anniversary of the Apollo 11 Moon landing, *The Space Race* is an essential children's handbook to understanding every aspect of the history, and future, of human space travel.

*Apollo* Yale University Press

An exceptional debut thriller and "exciting journey" into the dark heart of the Cold War and the space race from New York Times bestselling author and astronaut Chris Hadfield (Andy Weir, author of *The Martian* and *Project Hail Mary*). 1973: a final, top-secret mission to the Moon. Three astronauts in a tiny spaceship, a quarter million miles from home. A quarter million miles from help. NASA is about to launch Apollo 18. While the mission has been billed as a scientific one, flight controller Kazimieras "Kaz" Zemeckis knows there is a darker objective. Intelligence has discovered a secret Soviet space station spying on America, and Apollo 18 may be the only chance to stop it. But even as Kaz races to keep the NASA crew one step ahead of their Russian rivals, a deadly accident reveals that not everyone involved is quite who they were thought to be. With

political stakes stretched to the breaking point, the White House and the Kremlin can only watch as their astronauts collide on the lunar surface, far beyond the reach of law or rescue. Full of the fascinating technical detail that fans of *The Martian* loved, and reminiscent of the thrilling claustrophobia, twists, and tension of *The Hunt for Red October*, *The Apollo Murders* is a high-stakes thriller unlike any other. Chris Hadfield captures the fierce G-forces of launch, the frozen loneliness of space, and the fear of holding on to the outside of a spacecraft orbiting the Earth at 17,000 miles per hour as only someone who has experienced all of these things in real life can. Strap in and count down for the ride of a lifetime. "Packed with cosmic action... Featuring undercover spies, scheming Russians and psychopathic murderers, sometimes all at once, it teems with authoritative details." —The New York Times "Nail-biting . . . I couldn't put it down." —James Cameron, writer and director of *Avatar* and *Titanic* "Not to be missed." —Frederick Forsyth, author of *The Day of the Jackal* "An explosive thriller by a writer who has actually been to space . . . Strap in for the ride!" —Gregg Hurwitz, author of *Orphan X*

**Rocket Men** National Geographic

Few events have matched the landing of the first man on the Moon for drama and excitement. Watched live on television by 600 million people, Neil Armstrong floated down from the final step of the Eagle's ladder onto the powdery surface of the Moon, uttering the famous line, "That's one

small step for man, one giant leap for mankind." *The Apollo Missions* relives the experience and all the drama as it unfolded, from the birth of the Apollo space programme and the very first attempts to put an American astronaut into space to Apollo 11's successful Moon landing and its celebrated final splashdown in the Pacific Ocean. Packed with awe-inspiring photographs of the space missions, astronauts, and iconic views of the Earth and the Moon, as well as technical diagrams, flight plans, and tables of statistics, *The Apollo Missions* tells the thrilling story of the race to the Moon.

*Mission Moon 3-D* Oxford University Press

Describes how a group of men and women accomplished the feat of landing men on the moon and returning them to earth.

**Apollo, the Race to the Moon** Sterling

Describes Apollo 11's journey to the moon, details advances gained from the space race, and looks at the future of space exploration.

*From the Launch of Sputnik to the Moon Landing* Heinemann

In summer 1969, astronauts landed on the moon and hippie hordes descended on Woodstock—two era-defining events that are not entirely coincidental. Neil M. Maher shows how NASA's celestial aspirations were tethered to terrestrial concerns of the time: the civil rights struggle, the antiwar movement, environmentalism, feminism, and the culture wars.

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