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Apollo 11

The American people are frustrated with their government--dismayed by a series of high-profile failures (Iraq, Katrina, the financial meltdown) that seems to just keep getting longer. Yet the US has a proud history of great achievements: victory in World War II, the national highway system, welfare reform, the moon landing. The US need more successes like these to reclaim the government's legacy of competence. In *If We Can Put a Man on the Moon*, William Eggers and John O'Leary explain how to do it. The key? Understand--and avoid--the common pitfalls that trip up public-sector leaders during the

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journey from idea to results. The authors recount surprisingly entertaining stories of public policy initiatives that succeeded beyond all imagination, including the Marshall Plan, the 1996 welfare reform and London's Congestion Charge. They also find lessons in failures, including Boston's Big Dig and the Challenger disaster. *If We Can Put a Man on the Moon* shows how government really works with an optimistic and non-partisan look at the kinds of large government endeavors that have shaped US history and that are unfolding in the news right now. Ultimately, however, the authors show us that good ideas are just the beginning of a successful initiative. With proper design, commitment, implementation and re-evaluation, our leaders can once again accomplish big things. The authors identify pitfalls including: The Partial Map Trap: Fumbling handoffs throughout project execution The Tolstoy Syndrome: Seeing only the possibilities you want to see Design-Free Design: Designing policies for passage through the legislature, not for implementation The Overconfidence Trap: Creating unrealistic budgets and timelines The Complacency Trap: Failing to recognize that a program needs change At a time of unprecedented challenges, this book, with its abundant examples and hands-on advice, is the essential guide to making government work better. A must-read for every public official, this book will be of interest to anyone who cares about the future of democracy.

The Smallest Lights in the Universe

Chasing the Moon

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A one-armed computer technician, a radical blonde bombshell, an aging academic, and a sentient all-knowing computer lead the lunar population in a revolution against Earth's colonial rule

Reaching for the Moon

Fifty years after the Moon landing, a new history of the space race explores the lives of both Soviet and American engineers At the dawn of the space age, technological breakthroughs in Earth orbit flight were both breathtaking feats of ingenuity and disturbances to a delicate global balance of power. In this short book, aerospace historian Roger D. Launius concisely and engagingly explores the driving force of this era: the race to the Moon. Beginning with the launch of Sputnik 1 in October 1957 and closing with the end of the Apollo program in 1972, Launius examines how early space exploration blurred the lines between military and civilian activities, and how key actions led to space firsts as well as crushing failures. Launius places American and Soviet programs on equal footing—following American aerospace engineers Wernher von Braun and Robert Gilruth, their Soviet counterparts Sergei Korolev and Valentin Glushko, and astronaut Buzz Aldrin and cosmonaut Alexei Leonov—to highlight key actions that led to various successes, failures, and ultimately the American Moon landing.

Incredible Stories from Space

The inside stories of the Apollo program and the live of astronauts, as told to the author by the men themselves—with a forward by astronaut Charlie Duke. Between 1969 and 1972, twelve people walked

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on the surface of the Moon. Twelve others flew over its majestic surface. They were the sons of ordinary individuals. But they believed anything was possible?and they proved it to the entire world. Fascinated by these men—heroes such as Alan Shepard, Neil Armstrong, Buzz Aldrin, and many others—airline pilot Lukas Viglietti personally recorded their testimonies, becoming a close friend and confidant to many of them in the process. Now he shares his exclusive and unprecedented insight into their adventures and the Apollo program overall in Apollo Confidential.

The Last of the Moon Girls

Keith Moon was more than just rock's greatest drummer, he was also its greatest character and wildest party animal. Fuelled by vast quantities of drink, drugs, insecurities and confusion, Moon destroyed everything with gleeful abandon: drum kits, houses, cars, hotels, relationships and, finally, himself. In *Dear Boy*, Tony Fletcher has captured lightning in a bottle – the essence of a totally incorrigible yet uniquely generous boy who never grew up, and who changed the lives of all who knew him. From a life distorted by myths of debauchery and comic anarchy, Fletcher has created a searingly personal portrait of the rock legend. From over 100 first-hand interviews, he traces with deadly accuracy Moon's remarkable journey from his working-class Northwest London childhood, through the Who's glory years to the California high-life and a terrible, premature death. Here too are fascinating insights into the history of the Who and the emergent British pop culture revolution of post-war years. Keith Moon was one of the shock troops of that revolution: the world's greatest rock drummer, a phenomenal character and an extravagant hell-raiser who – in a final, uncharacteristic act of grace – actually did die before he got old.

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Shoot for the Moon

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.

Apollo Confidential

Powerful free verse and stunning illustrations tell the true story of the American effort to land the first man on the Moon. In 1961, President John F. Kennedy announced that the United States would try to land a man on the Moon by the end of the decade. During the two thousand, nine hundred and seventy-nine days that followed his speech, eighteen astronauts climbed into spaceships; three of them died before even leaving the ground. Eight rockets soared into space. And four hundred thousand people—engineers, technicians, scientists, mathematicians, and machinists—joined Project Apollo in hopes of making the dream a reality. Award-winning author and former mechanical engineer Suzanne

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Slade joins up with New York Times best-selling illustrator Thomas Gonzalez to tell the powerful story of the successes, failures, triumphs, tragedies, and lessons learned from Apollos 1 through 10 that led to the first Moon landing.

Denali

A New York Times Top 10 Book of 2011 "[A]n intimate glimpse into the life of a family that cares around the clock for a disabled child, that gets so close to the love and despair, and the complex questions the life of such a child raises It is a beautiful book, heartfelt and profound, warm and wise."
—Jane Bernstein, author of *Loving Rachel* and *Rachel in the World* Ian Brown's son Walker is one of only about 300 people worldwide diagnosed with cardiofaciocutaneous (CFC) syndrome—an extremely rare genetic mutation that results in unusual facial appearance, the inability to speak, and a compulsion to hit himself constantly. At age thirteen, he is mentally and developmentally between one and three years old and will need constant care for the rest of his life. Brown travels the globe, meeting with genetic scientists and neurologists as well as parents, to solve the questions Walker's doctors can't answer. In his journey, he offers an insightful critique of society's assumptions about the disabled, and he discovers a connected community of families living with this illness. As Brown gradually lets go of his self-blame and hope for a cure, he learns to accept the Walker he loves, just as he is. Honest, intelligent, and deeply moving, *The Boy in the Moon* explores the value of a single human life.

The Girl Who Drank the Moon (Winner of the 2017 Newbery Medal)

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July 16, 2019 will be the 50th anniversary of the Apollo 11 mission, celebrating an incredible decade in science history. In *Eight Years to the Moon*, unique personal stories of NASA engineers and MIT computer experts are interwoven with Nancy's gripping style to tell the story of Apollo 11 in a fresh and riveting way. Despite incredible hurdles and catastrophes, Apollo 11 launched a successful mission within President Kennedy's proposed timeline. The employees of NASA made the impossible possible—creating new technology and completely reimagining space travel. In *Eight Years to the Moon*, readers are transported into the space race of the 1960s. Nancy begins in 1962—when NASA had to build the Manned Spacecraft Center and space exploration first became a priority—and spans to the successful Apollo 11 mission. With firsthand accounts from Henry Pohl (director of engineering at Johnson Space Center), Glynn Lunney (Apollo flight director), and Frank Hughes (lead test engineer for the Apollo command and lunar module simulators), it's easy to get wrapped up in the excitement of what it was like. In the words of Henry Pohl when he saw his first rocket test launch, “When that thing lit off I had never seen such power in my life I decided right then and there that's what I wanted to be part of” And he was far from alone. Filled with stories from those involved and interviews with other Apollo experts, *Eight Years to the Moon* is a book that will delight anyone who has ever looked up at the moon and wondered how we got there.

The Boy in the Moon

Paris. The name alone conjures images of chestnut-lined boulevards, sidewalk cafés, breathtaking façades around every corner--in short, an exquisite romanticism that has captured the American imagination for as long as there have been Americans. In 1995, Adam Gopnik, his wife, and their infant

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son left the familiar comforts and hassles of New York City for the urbane glamour of the City of Light. Gopnik is a longtime New Yorker writer, and the magazine has sent its writers to Paris for decades--but his was above all a personal pilgrimage to the place that had for so long been the undisputed capital of everything cultural and beautiful. It was also the opportunity to raise a child who would know what it was to romp in the Luxembourg Gardens, to enjoy a croque monsieur in a Left Bank café--a child (and perhaps a father, too) who would have a grasp of that Parisian sense of style we Americans find so elusive. So, in the grand tradition of the American abroad, Gopnik walked the paths of the Tuileries, enjoyed philosophical discussions at his local bistro, wrote as violet twilight fell on the arrondissements. Of course, as readers of Gopnik's beloved and award-winning "Paris Journals" in The New Yorker know, there was also the matter of raising a child and carrying on with day-to-day, not-so-fabled life. Evenings with French intellectuals preceded middle-of-the-night baby feedings; afternoons were filled with trips to the Musée d'Orsay and pinball games; weekday leftovers were eaten while three-star chefs debated a "culinary crisis." As Gopnik describes in this funny and tender book, the dual processes of navigating a foreign city and becoming a parent are not completely dissimilar journeys--both hold new routines, new languages, a new set of rules by which everyday life is lived. With singular wit and insight, Gopnik weaves the magical with the mundane in a wholly delightful, often hilarious look at what it was to be an American family man in Paris at the end of the twentieth century. "We went to Paris for a sentimental reeducation-I did anyway-even though the sentiments we were instructed in were not the ones we were expecting to learn, which I believe is why they call it an education."

Apollo 8

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The untold story of the historic voyage to the moon that closed out one of our darkest years with a nearly unimaginable triumph In August 1968, NASA made a bold decision: in just sixteen weeks, the United States would launch humankind's first flight to the moon. Only the year before, three astronauts had burned to death in their spacecraft, and since then the Apollo program had suffered one setback after another. Meanwhile, the Russians were winning the space race, the Cold War was getting hotter by the month, and President Kennedy's promise to put a man on the moon by the end of the decade seemed sure to be broken. But when Frank Borman, Jim Lovell and Bill Anders were summoned to a secret meeting and told of the dangerous mission, they instantly signed on. Written with all the color and verve of the best narrative non-fiction, Apollo 8 takes us from Mission Control to the astronaut's homes, from the test labs to the launch pad. The race to prepare an untested rocket for an unprecedented journey paves the way for the hair-raising trip to the moon. Then, on Christmas Eve, a nation that has suffered a horrendous year of assassinations and war is heartened by an inspiring message from the trio of astronauts in lunar orbit. And when the mission is over—after the first view of the far side of the moon, the first earth-rise, and the first re-entry through the earth's atmosphere following a flight to deep space—the impossible dream of walking on the moon suddenly seems within reach. The full story of Apollo 8 has never been told, and only Jeffrey Kluger—Jim Lovell's co-author on their bestselling book about Apollo 13—can do it justice. Here is the tale of a mission that was both a calculated risk and a wild crapshoot, a stirring account of how three American heroes forever changed our view of the home planet.

Paris to the Moon

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A novel of secrets, memory, family, and forgiveness by the bestselling author of *When Never Comes*. Lizzy Moon never wanted Moon Girl Farm. Eight years ago, she left the land that nine generations of gifted healers had tended, determined to distance herself from the whispers about her family's strange legacy. But when her beloved grandmother Althea dies, Lizzy must return and face the tragedy still hanging over the farm's withered lavender fields: the unsolved murders of two young girls, and the cruel accusations that followed Althea to her grave. Lizzy wants nothing more than to sell the farm and return to her life in New York, until she discovers a journal Althea left for her--a *Book of Remembrances* meant to help Lizzy embrace her own special gifts. When she reconnects with Andrew Greyson, one of the few in town who believed in Althea's innocence, she resolves to clear her grandmother's name. But to do so, she'll have to decide if she can accept her legacy and whether to follow in the footsteps of all the Moon women who came before her.

The Moon

The #1 bestselling chapter book series of all time celebrates 25 years with new covers and a new, easy-to-use numbering system! Three ...two...one...BLAST OFF! The Magic Tree House whisks Jack and Annie off to the moon—and the future. Their mission? To find the last "M" thing that will free Morgan from the spell. Can they do it before the air in their oxygen tank runs out? Will the mysterious moon man help them? And why is Peanut the mouse acting so strange? Did you know that there's a Magic Tree House book for every kid? Magic Tree House: Adventures with Jack and Annie, perfect for readers who are just beginning chapter books Merlin Missions: More challenging adventures for the experienced reader Super Edition: A longer and more dangerous adventure Fact Trackers: Nonfiction companions to your

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favorite Magic Tree House adventures Have more fun with Jack and Annie at MagicTreeHouse.com!

Eight Years to the Moon

LIFE Magazine presents The Moon Landing: 50 Years Later.

Dear Boy: The Life of Keith Moon

Winner of the 2017 Newbery Award The New York Times Bestseller An Entertainment Weekly Best Middle Grade Book of 2016 A New York Public Library Best Book of 2016 A Chicago Public Library Best Book of 2016 An Amazon Top 20 Best Book of 2016 A Publishers Weekly Best Book of 2016 A School Library Journal Best Book of 2016 Named to Kirkus Reviews' Best Books of 2016 2017 Booklist Youth Editors' Choice Every year, the people of the Protectorate leave a baby as an offering to the witch who lives in the forest. They hope this sacrifice will keep her from terrorizing their town. But the witch in the Forest, Xan, is kind. She shares her home with a wise Swamp Monster and a Perfectly Tiny Dragon. Xan rescues the children and delivers them to welcoming families on the other side of the forest, nourishing the babies with starlight on the journey. One year, Xan accidentally feeds a baby moonlight instead of starlight, filling the ordinary child with extraordinary magic. Xan decides she must raise this girl, whom she calls Luna, as her own. As Luna's thirteenth birthday approaches, her magic begins to emerge--with dangerous consequences. Meanwhile, a young man from the Protectorate is determined to free his people by killing the witch. Deadly birds with uncertain intentions flock nearby.

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A volcano, quiet for centuries, rumbles just beneath the earth's surface. And the woman with the Tiger's heart is on the prowl . . .

Gardens of the Moon

The only work to date to collect data gathered during the American and Soviet missions in an accessible and complete reference of current scientific and technical information about the Moon.

If We Can Put a Man on the Moon--

JFK issued the historic moon landing challenge. These are the stories of the visionaries who helped America complete his vision with the first lunar landing fifty years ago. A Companion Book to the AMERICAN EXPERIENCE® Film on PBS® Going in depth to explore their stories beyond the PBS series, writer/producer Robert Stone—called “one of our most important documentary filmmakers” by Entertainment Weekly—brings these important figures to brilliant life. In 1961, President John F. Kennedy proposed the nation spend twenty billion dollars to land a man on the Moon before the end of the decade. Based on eyewitness accounts and newly discovered archival material, Chasing the Moon reveals for the first time the unknown stories of the fascinating individuals whose imaginative work across several decades culminated in America's momentous achievement. More than a story of engineers and astronauts, the moon landing—now celebrating its fiftieth anniversary—grew out of the dreams of science fiction writers, filmmakers, military geniuses, and rule-breaking scientists. They

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include • Science fiction author Arthur C. Clarke, whose writing inspired some of the key players in the Moon race. A scientific paper he wrote in his twenties led to the U.S. beating Russia in one area of space: communications satellites. • Wernher von Braun, the former Nazi military genius who oversaw Hitler's rocket weapons program. After working on ballistic missiles for the U.S. Army, he was recruited by NASA to manage the creation of the Saturn V moon rocket. • Astronaut Frank Borman, commander of the first mission to circumnavigate the Moon, whose powerful testimony before Congress in 1967 decisively saved the U.S. lunar program from being cancelled. • Poppy Northcutt, a young mathematician who was the first woman to work in Mission Control. Her media exposure as a unique presence in this all-male world allowed her the freedom to stand up for equal rights for women and minorities. • Edward Dwight, an African American astronaut candidate, recruited at the urging of the Kennedy White House to further the administration's civil rights agenda—but not everyone welcomed his inclusion. Setting these key players in the political, social, and cultural climate of the time, and including captivating photographs throughout, *Chasing the Moon* focuses on the science and the history, but most important, the extraordinary individuals behind what was undoubtedly the greatest human achievement of the twentieth century.

Apollo 11

Selected from photographs taken by Apollo astronauts during the moon expeditions, an array of 145 images offers a composite space voyage to Earth's satellite, from liftoff to moon landing to return home

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Of a Fire on the Moon

“An extraordinary delight for a reader of any age.” —The New York Times Book Review Brian Floca explores Apollo 11’s famed moon landing with this newly expanded edition of Moonshot! Simply told, grandly shown, and now with eight additional pages of brand-new art and more in-depth information about the historic moon landing, here is the flight of Apollo 11. Here for a new generation of readers and explorers are the steady astronauts clicking themselves into gloves and helmets, strapping themselves into sideways seats. Here are their great machines in all their detail and monumentality, the ROAR of rockets, and the silence of the Moon. Here is a story of adventure and discovery—a story of leaving and returning during the summer of 1969, and a story of home, seen whole, from far away.

Countdown

Vast legions of gods, mages, humans, dragons and all manner of creatures play out the fate of the Malazan Empire in this first book in a major epic fantasy series The Malazan Empire simmers with discontent, bled dry by interminable warfare, bitter infighting and bloody confrontations with the formidable Anomander Rake and his Tiste Andii, ancient and implacable sorcerers. Even the imperial legions, long inured to the bloodshed, yearn for some respite. Yet Empress Laseen's rule remains absolute, enforced by her dread Claw assassins. For Sergeant Whiskeyjack and his squad of Bridgeburners, and for Tattersail, surviving cadre mage of the Second Legion, the aftermath of the siege of Pale should have been a time to mourn the many dead. But Darujhistan, last of the Free Cities of

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Genabackis, yet holds out. It is to this ancient citadel that Laseen turns her predatory gaze. However, it would appear that the Empire is not alone in this great game. Sinister, shadowbound forces are gathering as the gods themselves prepare to play their hand Conceived and written on a panoramic scale, Gardens of the Moon is epic fantasy of the highest order--an enthralling adventure by an outstanding new voice. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

One Giant Leap

The Epic New York Times Bestseller Finalist for the Pulitzer Prize Finalist for the National Book Critics Circle Award A New York Times Notable Book Winner of the Texas Book Award Winner of the Oklahoma Book Award This stunning historical account of the forty-year battle between Comanche Indians and white settlers for control of the American West “is nothing short of a revelation... will leave dust and blood on your jeans” (The New York Times Book Review). Empire of the Summer Moon spans two astonishing stories. The first traces the rise and fall of the Comanches, the most powerful Indian tribe in American history. The second entails one of the most remarkable narratives ever to come out of the Old West: the epic saga of the pioneer woman Cynthia Ann Parker and her mixed-blood son Quanah, who became the last and greatest chief of the Comanches. Although readers may be more familiar with the tribal names Apache and Sioux, it was in fact the legendary fighting ability of the Comanches that determined when the American West opened up. Comanche boys became adept bareback riders by age six; full Comanche braves were considered the best horsemen who ever rode. They were so masterful at war and so skillful with their arrows and lances that they stopped the northern

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drive of colonial Spain from Mexico and halted the French expansion westward from Louisiana. White settlers arriving in Texas from the eastern United States were surprised to find the frontier being rolled backward by Comanches incensed by the invasion of their tribal lands. The war with the Comanches lasted four decades, in effect holding up the development of the new American nation. Gwynne's exhilarating account delivers a sweeping narrative that encompasses Spanish colonialism, the Civil War, the destruction of the buffalo herds, and the arrival of the railroads, and the amazing story of Cynthia Ann Parker and her son Quanah—a historical feast for anyone interested in how the United States came into being. Hailed by critics, S. C. Gwynne's account of these events is meticulously researched, intellectually provocative, and, above all, thrillingly told. *Empire of the Summer Moon* announces him as a major new writer of American history.

Full Moon

Inspiring story of a girl who suffered many hardships during the Chinese Communist revolution and who finally escaped to be reunited with her family.

The Moon Maid

In this luminous memoir, an MIT astrophysicist must reinvent herself in the wake of tragedy and discovers the power of connection on this planet, even as she searches our galaxy for another Earth. Sara Seager has always been in love with the stars: so many lights in the sky, so much possibility. Now a

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pioneering planetary scientist, she searches for exoplanets—especially that distant, elusive world that sustains life. But with the unexpected death of Seager’s husband, the purpose of her own life becomes hard for her to see. Suddenly, at forty, she is a widow and the single mother of two young boys. For the first time, she feels alone in the universe. As she struggles to navigate her life after loss, Seager takes solace in the alien beauty of exoplanets and the technical challenges of exploration. At the same time, she discovers earthbound connections that feel every bit as wondrous, when strangers and loved ones alike reach out to her across the space of her grief. Among them are the Widows of Concord, a group of women offering advice on everything from home maintenance to dating, and her beloved sons, Max and Alex. Most unexpected of all, there is another kind of one-in-a-billion match, not in the stars but here at home. Probing and invigoratingly honest, *The Smallest Lights in the Universe* is its own kind of light in the dark.

Reaching for the Moon

‘Terrific and enthralling’ *New Scientist* Fifty years ago, in July 1969, Apollo 11 became the first manned mission to land on the Moon, and Neil Armstrong the first man to step on to its surface. He and his crewmates, Buzz Aldrin and Michael Collins, were the latest men to risk their lives in this extraordinary scientific, engineering and human venture that would come to define the era. In *Apollo 11: The Inside Story*, David Whitehouse reveals the true drama behind the mission, putting it in the context of the wider space race and telling the story in the words of those who took part – based around exclusive interviews with the key players. This enthralling book takes us from the early rocket pioneers to the shock America received from the Soviets’ launch of the first satellite, Sputnik; from the race to

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put the first person into space to the iconic Apollo 11 landing and beyond, to the agonising drama of the Apollo 13 disaster and the eventual winding-up of the Apollo program. Here is the story as told by the crew of Apollo 11 and the many others who shared in their monumental endeavour. Astronauts, engineers, politicians, NASA officials, Soviet rivals – all tell their own story of a great moment of human achievement.

Sex on the Moon

It's been decades since anyone set foot on the moon. Now three ordinary teenagers, the winners of NASA's unprecedented, worldwide lottery, are about to become the first young people in space--and change their lives forever. Mia, from Norway, hopes this will be her punk band's ticket to fame and fortune. Midori believes it's her way out of her restrained life in Japan. Antoine, from France, just wants to get as far away from his ex-girlfriend as possible. It's the opportunity of a lifetime, but little do the teenagers know that something sinister is waiting for them on the desolate surface of the moon. And in the black vacuum of space no one is coming to save them. In this chilling adventure set in the most brutal landscape known to man, highly acclaimed Norwegian novelist Johan Harstad creates a vivid and frightening world of possibilities we can only hope never come true.

Happy Birthday, Moon

An intimate portrait of the Earth's closest neighbor--the Moon--that explores the history and future of

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humankind's relationship with it Every generation has looked towards the heavens and wondered at the beauty of the Moon. Fifty years ago, a few Americans became the first to do the reverse--and shared with Earth-bound audiences the view of their own planet hanging in the sky instead. Recently, the connection has been discovered to be even closer: a fragment of the Earth's surface was found embedded in a rock brought back from the Moon. And astronauts are preparing to return to the surface of the Moon after a half-century hiatus--this time to the dark side. Oliver Morton explores how the ways we have looked at the Moon have shaped our perceptions of the Earth: from the controversies of early astronomers such as van Eyck and Galileo, to the Cold War space race, to the potential use of the Moon as a stepping stone for further space exploration. Advanced technologies, new ambitions, and old dreams mean that men, women, and robots now seem certain to return to the Moon. For some, it is a future on which humankind has turned its back for too long. For others, an adventure yet to begin.

Eight Years to the Moon

The New York Times bestselling, “meticulously researched and absorbingly written” (The Washington Post) story of the trailblazers and the ordinary Americans on the front lines of the epic Apollo 11 moon mission. President John F. Kennedy astonished the world on May 25, 1961, when he announced to Congress that the United States should land a man on the Moon by 1970. No group was more surprised than the scientists and engineers at NASA, who suddenly had less than a decade to invent space travel. When Kennedy announced that goal, no one knew how to navigate to the Moon. No one knew how to build a rocket big enough to reach the Moon, or how to build a computer small enough (and powerful enough) to fly a spaceship there. No one knew what the surface of the Moon was like, or what astronauts

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could eat as they flew there. On the day of Kennedy's historic speech, America had a total of fifteen minutes of spaceflight experience—with just five of those minutes outside the atmosphere. Russian dogs had more time in space than US astronauts. Over the next decade, more than 400,000 scientists, engineers, and factory workers would send twenty-four astronauts to the Moon. Each hour of space flight would require one million hours of work back on Earth to get America to the Moon on July 20, 1969. "A veteran space reporter with a vibrant touch—nearly every sentence has a fact, an insight, a colorful quote or part of a piquant anecdote" (The Wall Street Journal) and in *One Giant Leap*, Fishman has written the sweeping, definitive behind-the-scenes account of the furious race to complete one of mankind's greatest achievements. It's a story filled with surprises—from the item the astronauts almost forgot to take with them (the American flag), to the extraordinary impact Apollo would have back on Earth, and on the way we live today. From the research labs of MIT, where the eccentric and legendary pioneer Charles Draper created the tools to fly the Apollo spaceships, to the factories where dozens of women sewed spacesuits, parachutes, and even computer hardware by hand, Fishman captures the exceptional feats of these ordinary Americans. "It's been 50 years since Neil Armstrong took that one small step. Fishman explains in dazzling form just how unbelievable it actually was" (Newsweek).

172 Hours on the Moon

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

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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 Apollo Missions

Moonbear comes up with the perfect birthday gift for the moon in this charming reissue of a beloved classic by award-winning author and illustrator Frank Asch. Moonbear discovers that he and the moon share the same birthday. Now Moonbear wants to give his nighttime friend a present. But what do you buy the moon? This refreshed edition of a beloved classic features the original text and art with an updated cover.

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Moonshot

Experience the Amazing Unmanned Journeys to Explore the Universe In Incredible Stories from Space, veteran space journalist Nancy Atkinson shares compelling insights from over 35 NASA scientists and engineers, taking readers behind the scenes of the unmanned missions that are transforming our understanding of the solar system and beyond. Weaving together one-on-one interviews along with the extraordinary sagas of the spacecraft themselves, this book chronicles the struggles and triumphs of nine current space missions and captures the true spirit of exploration and discovery. Full color images throughout reveal scientific discoveries and the stunning, breathtaking views of our universe, sent back to Earth by our robotic emissaries to the cosmos. -Travel along with the first mission to Pluto -Explore Mars alongside the Curiosity Rover -Join the unprecedented hunt for extrasolar planets -Unlock the mysteries of the cosmos with the iconic Hubble Space Telescope -Discover the latest findings in our solar system -See the future of space exploration with a preview of upcoming missions

LIFE The Moon Landing: 50 Years Later

The story of a dog, his human, and the friendship that saved both of their lives. When Ben Moon moved from the Midwest to Oregon, he hadn't planned on getting a dog. But when he first met the soulful gaze of a rescue pup in a shelter, Ben instantly felt a connection, and his friendship with Denali was born. The two of them set out on the road together, on an adventure that would take them across the American west and through some of the best years of their lives. But when Ben was diagnosed with colorectal

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cancer at age 29, he faced a difficult battle with the disease, and Denali never once left his side until they were back out surfing and climbing crags. It was only a short time later that Denali was struck by the same disease, and Ben had the chance to return the favor. Denali is the story of this powerful friendship that shaped Ben and Denali's lives, showing the strength and love that we give and receive when we have our friends by our side.

The Moon and the Condition and Configurations of Its Surface

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

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innovative project teach us today?

Eighth Moon

“This rich volume is a national treasure.” —Kirkus Reviews (starred review) “Captivating, informative, and inspiring...Easy to follow and hard to put down.” —School Library Journal (starred review) The inspiring autobiography of NASA mathematician Katherine Johnson, who helped launch Apollo 11. As a young girl, Katherine Johnson showed an exceptional aptitude for math. In school she quickly skipped ahead several grades and was soon studying complex equations with the support of a professor who saw great promise in her. But ability and opportunity did not always go hand in hand. As an African American and a girl growing up in an era of brutal racism and sexism, Katherine faced daily challenges. Still, she lived her life with her father’s words in mind: “You are no better than anyone else, and nobody else is better than you.” In the early 1950s, Katherine was thrilled to join the organization that would become NASA. She worked on many of NASA’s biggest projects including the Apollo 11 mission that landed the first men on the moon. Katherine Johnson’s story was made famous in the bestselling book and Oscar-nominated film Hidden Figures. Now in *Reaching for the Moon* she tells her own story for the first time, in a lively autobiography that will inspire young readers everywhere.

Empire of the Summer Moon

Award-winning former investigative reporter Basil Hero chronicles the life lessons humanity can learn

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from the twelve remaining Apollo astronauts who went to the Moon. In rare in-depth interviews, the twelve remaining lunar explorers, for the first time, talk at length about the real right stuff; the true source of courage, leadership, and the quiet patriotism that it took to risk their lives going to the moon. Hero begins each chapter with key life lessons that readers can gain from these honorable men whom he calls the Eagles. He describes how they mastered their emotions and learned to conquer their fears through techniques that can be used from the classroom to the boardroom. More importantly their voyages to the Moon led them to the most incredible discovery of all: our home planet and its precious place in the universe. They fear for Earth's future and offer sensible solutions to its mounting crises and the path to future space exploration. In *The Mission Of A Lifetime*, the Eagles share their wisdom and urge us to reframe our view of Earth to theirs: no identifiable nations, borders, or races; just Earthlings working together as a collective civilization.

Midnight on the Moon

From the bestselling author of *The Accidental Billionaires* and *Bringing Down the House*, this is the incredible true story of how a college student and two female accomplices stole some of the rarest objects on the planet—moon rocks—from an "impregnable" high-tech vault. But breaking into a highly secure laboratory wasn't easy. Thad Roberts, an intern in a prestigious NASA training program, would have to concoct a meticulous plan to get past security checkpoints, an electronically locked door with cipher security codes, and camera-lined hallways even before he could get his hands on the 600-pound safe. And then how was he supposed to get it out? And what does one do with an item so valuable that it's illegal even to own? With his signature high-velocity style, Mezrich reconstructs the outlandish heist

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and tells a story of genius, love, and duplicity that reads like a Hollywood thrill ride.

Lunar Sourcebook

In the late twentieth century, Admiral Julian 3rd can get no rest, for he knows his future. He will be reborn as his grandson in the next century to journey through space and make an ominous discovery inside the moon; he will live again in the dark years of the twenty-second century as Julian 9th, who refuses to bow down to the victorious Moon Men; and as Julian 20th, the fierce Red Hawk, he will lead humanity's final battle against the alien invaders in the twenty-fifth century. The moon maid is Edgar Rice Burroughs's stunning epic of a world conquered by alien invaders from the moon and of the hero Julian, who champions the earth's struggle for freedom, peace, and dignity.

The Apollo Chronicles

Half a century has passed since arguably the greatest feat of the twentieth century: when Neil Armstrong became the first man to walk on the moon. *Apollo 11: The Moon Landing In Real Time* brings the mission back to life as never before in a thrilling day-by-day account, exploring everything from the historic flight itself to how the \$24 billion space program divided a nation. Journey back in time and feel the excitement build in the days before launch and then experience the tension of the dramatic lunar landing and the relief of the crew's safe return to Earth. This engaging account mixes easily understandable explanations of the groundbreaking technology behind Apollo 11 with entertainment,

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excitement and humor in equal measure. Set against a backdrop of the Cold War, race riots and Vietnam, the mission polarized opinion worldwide. Alongside these issues, read long-forgotten tales including how a Chilean lawyer claimed he was the legal owner of the moon, thousands of people signed up for proposed commercial moon flights, Hilton revealed plans for a lunar hotel, 'flat Earth' believers claimed the mission was a hoax and some scientists feared the astronauts would bring back deadly germs from space which would devastate mankind.

The Moon Is a Harsh Mistress

For many, the moon landing was the defining event of the twentieth century. So it seems only fitting that Norman Mailer—the literary provocateur who altered the landscape of American nonfiction—wrote the most wide-ranging, far-seeing chronicle of the Apollo 11 mission. A classic chronicle of America's reach for greatness in the midst of the Cold War, *Of a Fire on the Moon* compiles the reportage Mailer published between 1969 and 1970 in *Life* magazine: gripping firsthand dispatches from inside NASA's clandestine operations in Houston and Cape Kennedy; technical insights into the magnitude of their awe-inspiring feat; and prescient meditations that place the event in human context as only Mailer could. Praise for *Of a Fire on the Moon* “The gift of a genius . . . a twentieth-century American epic—a *Moby Dick* of space.”—New York “Mailer's account of Apollo 11 stands as a stunning image of human energy and purposefulness. . . . It is an act of revelation—the only verbal deed to be worthy of the dream and the reality it celebrates.”—*Saturday Review* “A wild and dazzling book.”—*The New York Times Book Review* “Still the most challenging and stimulating account of [the] mission to appear in print.”—*The Washington Post* Praise for Norman Mailer “[Norman Mailer] loomed over American letters longer and

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larger than any other writer of his generation.”—The New York Times “A writer of the greatest and most reckless talent.”—The New Yorker “Mailer is indispensable, an American treasure.”—The Washington Post “A devastatingly alive and original creative mind.”—Life “Mailer is fierce, courageous, and reckless and nearly everything he writes has sections of headlong brilliance.”—The New York Review of Books “The largest mind and imagination [in modern] American literature . . . Unlike just about every American writer since Henry James, Mailer has managed to grow and become richer in wisdom with each new book.”—Chicago Tribune “Mailer is a master of his craft. His language carries you through the story like a leaf on a stream.”—The Cincinnati Post

The Mission of a Lifetime

A Behind-the-Scenes Look At NASA’s incredible Journey to the Moon Space journalist and insider Nancy Atkinson weaves together the riveting story of NASA’s mission to complete “the greatest adventure on which humankind ever embarked.” This incredible account is a keepsake celebrating some of the most important and dramatic events in modern history. Told through over 60 personal interviews and oral histories, as well as personal photographs, this tribute to the men and women who made the Apollo 11 mission a reality chronicles the highs and lows that accompanied the race to the Moon: the devastating flash fire that killed the crew of Apollo 1; the awe of those who saw their years-in-the-making contributions to space exploration blast off from Cape Canaveral; the knuckle-biting descent of Apollo 11 to the lunar surface; a near-catastrophic event on the crew’s flight home; the infectious excitement and jubilation across the world after the astronauts returned safely to Earth. These little-known stories of the dedicated engineers, mathematicians and scientists in the 1960s reveal the “hows”

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of the Apollo missions and bring to life the wonder and excitement of humanity's first steps on the Moon.

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