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### Accessory to War: The Unspoken Alliance Between Astrophysics and the Military

An authorized portrait of the first astronaut to set foot on the moon sheds light on other aspects of his career, from the honors he received as a naval aviator to the price he and his family paid for his professional dedication.

### Apollo 13

### Icarus at the Edge of Time

April 13, 1970: Two hundred thousand miles from Earth and counting, an explosion rips through Jim Lovell's spacecraft. The crippled ship hurtles toward the moon at three times the speed of sound, losing power and leaking oxygen into space. Lovell and his crew were two days from the dream of a lifetime - walking on the surface of moon. Now, they will count themselves lucky to set foot on Earth again. From "Houston, we've had a problem" to the final tense moments at Mission Control, Lost in Outer Space takes readers on the unbelievable journey of Apollo 13 and inside the minds of its famous and heroic astronauts. Complete with photographs of the crew and diagrams of the spacecraft, this is an up-close-and-personal look at one of the most thrilling survival stories of all time.

### Computer Science

As the dust settles on the 30th anniversary of Apollo 11, information is now coming to light that throws into serious doubt the authenticity of the Apollo record. New evidence clearly suggests that NASA hoaxed the photographs taken on the surface of the Moon. These disturbing findings are supported by detailed analysis of the Apollo images by professional photographer David S Percy ARPS and physicist David Groves PhD. The numerous inconsistencies clearly visible in the Apollo photographic account are quite irrefutable. Recent research indicates that the errors evidenced in DARK MOON were deliberately planted by individuals determined to leave clues to the faking in which they were unwillingly involved.

DARK MOON is the answer to the question-did the Apollo missions really land a man on the Moon and return him alive and well to Earth, or is the record incorrect?

### **Rocket Men**

This memoir of a veteran NASA flight director tells riveting stories from the early days of the Mercury program through Apollo 11 (the moon landing) and Apollo 13, for both of which Kranz was flight director. Gene Kranz was present at the creation of America's manned space program and was a key player in it for three decades. As a flight director in NASA's Mission Control, Kranz witnessed firsthand the making of history. He participated in the space program from the early days of the Mercury program to the last Apollo mission, and beyond. He endured the disastrous first years when rockets blew up and the United States seemed to fall further behind the Soviet Union in the space race. He helped to launch Alan Shepard and John Glenn, then assumed the flight director's role in the Gemini program, which he guided to fruition. With his teammates, he accepted the challenge to carry out President John F. Kennedy's commitment to land a man on the Moon before the end of the 1960s. Kranz recounts these thrilling historic events and offers new information about the famous flights. What appeared as nearly flawless missions to the Moon were, in fact, a series of hair-raising near misses. When the space technology failed, as it sometimes did, the controllers' only recourse was to rely on their skills and those of their teammates. He reveals behind-the-scenes details to demonstrate the leadership, discipline, trust, and teamwork that made the space program a success. A fascinating firsthand account by a veteran mission controller of one of America's greatest achievements, *Failure is Not an Option* reflects on what has happened to the space program and offers his own bold suggestions about what we ought to be doing in space now.

### **The Astronaut Wives Club**

When a meteorite lands in Surrey, the locals don't know what to make of it. But as Martians emerge and begin killing bystanders, it quickly becomes clear—England is under attack. Armed soldiers converge on the scene to ward off the invaders, but meanwhile, more Martian cylinders land on Earth, bringing reinforcements. As war breaks out across England, the locals must fight for their lives, but life on Earth will never be the same. This is an unabridged version of one of the first fictional accounts of extraterrestrial invasion. H. G. Wells's military science fiction novel was first published in book form in 1898, and is considered a classic of English literature.

### **Apollo 13**

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

### **Ten Outstanding Filipino Scientists**

A New York Times bestselling series. Tensions are running high when multi-billionaire Lars Sjoburg is poisoned and everyone is looking to Dash Gibson to solve the case in this third and final book in the New York Times bestselling Moon Base Alpha series. Moon Base Alpha was supposed to be an exciting place to live, but Dashiell Gibson didn't expect for it to be this exciting. He's already had to solve a murder and locate a missing moon base commander. Now, he just wants to have a calm, quiet thirteenth birthday. But, of course, trillionaire (and total pain) Lars Sjoburg ruins it—by being poisoned. Now there's another potential killer loose on Moon Base Alpha, and Dash is forced to identify the most likely suspects. Suddenly Dash finds himself with a target on his back. Whoever poisoned Lars will stop at nothing to keep his—or her—identity a secret.

### **How Apollo Flew to the Moon**

In April 1970, during the glory days of the Apollo space program, NASA sent Navy Captain Jim Lovell and two other astronauts on America's fifth mission to the moon. Only fifty-five hours into the flight of Apollo 13, disaster struck: a mysterious explosion rocked the ship, and soon its oxygen and power began draining away. Written with all the color and drama of the best fiction, APOLLO 13 (previously published as *Lost Moon*) tells the full story of the moon shot that almost ended in catastrophe. Minutes after the explosion, the three astronauts are forced to abandon the main ship for the lunar module, a tiny craft designed to keep two men alive for just two days. As the hours tick away, the narrative shifts from the crippled spacecraft to Mission Control, from engineers searching desperately for a way to fix the ship to Lovell's wife and children praying for his safe return. The entire nation watches as one crisis after another is met and overcome. By the time the ship splashes down in the Pacific, we understand why the heroic effort to rescue Lovell and his crew is considered by many to be NASA's finest hour. Now, thirty years after the launch of the mission, Jim Lovell and coauthor Jeffrey Kluger add a new preface and never-before-seen photographs to Apollo 13. In their preface, they offer an incisive look at America's waxing and waning love affair with space exploration during the past three decades, culminating only recently when the Apollo 13 spacecraft itself, long consigned to an aviation museum outside Paris, was at last returned to its rightful home in the United States. As inspiring today as it was thirty years ago, the story of Apollo 13 is a timeless tribute to the enduring American spirit and sparkling individual heroism.

### **Radiance**

Featured on CBS This Morning, Squawk Box, MSNBC, CNN, Bloomberg, Forbes, Fast Company, The New York Times, and more. "Reading Face to Face is like being a fly on the wall, watching Brian Grazer work his magic. Utterly entertaining, this is how you become Hollywood's best producer." —Malcolm Gladwell, author of *Talking to Strangers* Legendary Hollywood producer and author of the bestselling *A Curious Mind*, Brian Grazer is back with a captivating new book about the life-changing ways we can connect with one another. Much of Brian Grazer's success—as a #1 New York Times bestselling author, Academy Award-winning producer, father, and husband—comes from his ability to establish genuine connections with almost anyone. In *Face to Face*, he takes you around the world and behind the scenes of some of his most iconic movies and television shows, like *A Beautiful Mind*, *Empire*,

Arrested Development, American Gangster, and 8 Mile, to show just how much in-person encounters have revolutionized his life—and how they have the power to change yours. With his flair for intriguing stories, Grazer reveals what he's learned through interactions with people like Bill Gates, Taraji P. Henson, George W. Bush, Barack Obama, Eminem, Prince, Spike Lee, and the Afghani rapper activist Sonita: that the secret to a bigger life lies in personal connection. In a world where our attention is too often focused downward at our devices, Grazer argues that we are missing an essential piece of the human experience. Only when we are face to face, able to look one another in the eyes, can we form the kinds of connections that expand our world views, deepen our self-awareness, and ultimately lead to our greatest achievements and most meaningful moments. When we lift our eyes to look at the person in front of us, we open the door to infinite possibility.

### **Face to Face**

!--[if gte mso 9] ![endif]-- Read the bestselling book that inspired the ABC television series. As America's Mercury Seven astronauts were launched on death-defying missions, television cameras focused on the brave smiles of their young wives. Overnight, these women were transformed from military spouses into American royalty. They had tea with Jackie Kennedy, appeared on the cover of Life magazine, and quickly grew into fashion icons. Annie Glenn, with her picture-perfect marriage, was the envy of the other wives; JFK made it clear that platinum-blonde Rene Carpenter was his favorite; and licensed pilot Trudy Cooper arrived with a secret that needed to stay hidden from NASA. Together with the other wives they formed the Astronaut Wives Club, providing one another with support and friendship, coffee and cocktails. As their celebrity rose—and as divorce and tragedy began to touch their lives—the wives continued to rally together, forming bonds that would withstand the test of time, and they have stayed friends for over half a century. THE ASTRONAUT WIVES CLUB tells the story of the women who stood beside some of the biggest heroes in American history.

### **Failure Is Not an Option**

A journey through the otherworldly science behind Christopher Nolan's award-winning film, Interstellar, from executive producer and Nobel Prize-winning physicist Kip Thorne. Interstellar, from acclaimed filmmaker Christopher Nolan, takes us on a fantastic voyage far beyond our solar system. Yet in The Science of Interstellar, Kip Thorne, the Nobel prize-winning physicist who assisted Nolan on the scientific aspects of Interstellar, shows us that the movie's jaw-dropping events and stunning, never-before-attempted visuals are grounded in real science. Thorne shares his experiences working as the science adviser on the film and then moves on to the science itself. In chapters on wormholes, black holes, interstellar travel, and much more, Thorne's scientific insights—many of them triggered during the actual scripting and shooting of Interstellar—describe the physical laws that govern our universe and the truly astounding phenomena that those laws make possible. Interstellar and all related characters and elements are trademarks of and © Warner Bros. Entertainment Inc. (s14).

### **Dark Moon**

A futuristic reimagining of the classic Greek myth, as a boy ventures through deep space and challenges the awesome power of black holes. The beauty of the book lies in the images, provided by NASA and the Hubble Space telescope, and printed on board rather than paper. On board pages.

### **The Right Stuff**

Named a Notable Book in the 21st Annual Best of Computing list by the ACM! Robert Sedgewick and Kevin Wayne's *Computer Science: An Interdisciplinary Approach* is the ideal modern introduction to computer science with Java programming for both students and professionals. Taking a broad, applications-based approach, Sedgewick and Wayne teach through important examples from science, mathematics, engineering, finance, and commercial computing. The book demystifies computation, explains its intellectual underpinnings, and covers the essential elements of programming and computational problem solving in today's environments. The authors begin by introducing basic programming elements such as variables, conditionals, loops, arrays, and I/O. Next, they turn to functions, introducing key modular programming concepts, including components and reuse. They present a modern introduction to object-oriented programming, covering current programming paradigms and approaches to data abstraction. Building on this foundation, Sedgewick and Wayne widen their focus to the broader discipline of computer science. They introduce classical sorting and searching algorithms, fundamental data structures and their application, and scientific techniques for assessing an implementation's performance. Using abstract models, readers learn to answer basic questions about computation, gaining insight for practical application. Finally, the authors show how machine architecture links the theory of computing to real computers, and to the field's history and evolution. For each concept, the authors present all the information readers need to build confidence, together with examples that solve intriguing problems. Each chapter contains question-and-answer sections, self-study drills, and challenging problems that demand creative solutions. Companion web site ([introcs.cs.princeton.edu/java](http://introcs.cs.princeton.edu/java)) contains Extensive supplementary information, including suggested approaches to programming assignments, checklists, and FAQs Graphics and sound libraries Links to program code and test data Solutions to selected exercises Chapter summaries Detailed instructions for installing a Java programming environment Detailed problem sets and projects Companion 20-part series of video lectures is available at [informit.com/title/9780134493831](http://informit.com/title/9780134493831)

### **The Martian**

### **One Giant Leap**

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.

### **First Man**

The landing site selected for the crew of *Apollo 16* was in the lunar highland area of Descartes. NASA chose to send John Young to command the fifth lunar landing mission. Young had as much or more flight experience than any other member of the astronaut corps. He had circumnavigated the moon on *Apollo 10* and he had flown two Gemini missions. Young would later go on to be the first commander of the Space Shuttle. The Descartes landing site was chosen because it appeared to be of volcanic origin. If it was, it might reveal secrets about the origins of the Earth. For three days Young and Duke embarked on their rover, away from the Lunar Module 'Orion', through rugged landscapes, in search of the origins of our world. Meanwhile Ken Mattingly shot hundreds of photographs and probed the moon's magnetic field from the Command Module 'Casper'. Back on Earth the political climate was beginning to turn against NASA and the remarkable risks and exploits undertaken by the crew of *Apollo 16* went almost unnoticed. The three intrepid explorers and their spacecraft harvested a wealth of new data about the Earth-Moon system in an almost flawless performance of skills and bravado. Compiled here are many important documents about the mission including the complete debriefing in the crew's own words. The CD-ROM features an exclusive interview with Commander John Young and the complete footage shot at Descartes, over 2500 still pictures and 18 interactive panoramas. Running time: over 10 hours.

### **Lost in Outer Space: The Incredible Journey of Apollo 13 (Lost #2)**

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### **Popular Science**

“An extraordinary delight for a reader of any age.” —The New York Times Book Review Brian Flocq 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.

### **The Science of Interstellar**

Why are the instruction manuals for cell phones incomprehensible? Why is a truck driver's job as hard as a CEO's? How can 10 percent of every medical dollar cure 90 percent of the world's disease? Why do bad teams win so many games? Complexity, as any scientist will tell you, is a slippery idea. Things that seem complicated can be astoundingly simple; things that seem simple can be dizzyingly complex. A houseplant may be more intricate than a manufacturing plant. A colony of garden ants may be more complicated than a community of people. A sentence may be richer than a book, a couplet more complicated than a song. These and other paradoxes are driving a whole new science--simplicity--that is redefining how we look at the world and using that new view to improve our lives in fields as diverse as economics, biology, cosmology, chemistry, psychology, politics, child development, the arts, and more. Seen through the lens of this surprising new science, the world becomes a delicate place filled with predictable patterns--patterns we often fail to see as we're time and again fooled by our instincts, by our fear, by the size of things, and even by their beauty. In *Simplicity*, Time senior writer Jeffrey Kluger shows how a drinking straw can save thousands of lives; how a million cars can be on the streets but just a few hundred of them can lead to gridlock; how investors behave like atoms; how arithmetic governs abstract art and physics drives jazz; why swatting a TV indeed makes it work better. As simplicity moves from the research lab into popular consciousness it will challenge our models for modern living. Jeffrey Kluger adeptly translates newly evolving theory into a delightful theory of everything that will have you rethinking the rules of business, family, art--your world.

### **Counting on Katherine: How Katherine Johnson Saved Apollo 13**

Recounts the four-day ordeal of Apollo 13 astronauts Jim Lovell, Fred Haise, and Jack Swigert and the dramatic struggle to bring back to Earth the tiny lunar module spacecraft into which they were forced to retreat when their main ship was damaged. Reprint.

### **Apollo EECOM**

'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

### **A Man on the Moon**

### **Waste of Space**

"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.

### **Thirteen**

### **Time**

An "exciting" minute-by-minute account of the Apollo 13 flight based on mission control transcripts from Houston (The New York Times). On the evening of April 13, 1970, the three astronauts aboard Apollo 13 were just hours from the third lunar landing in history. But as they soared through space, two hundred thousand miles from Earth, an explosion badly damaged their spacecraft. With compromised engines and failing life-support systems, the crew was in incomparably grave danger. Faced with below-freezing temperatures, a seriously ill crewmember, and a

dwindling water supply, a safe return seemed unlikely. Thirteen is the shocking and miraculous true story of how the astronauts and ground crew guided Apollo 13 back to Earth. Expanding on dispatches written for the New Yorker, Henry S. F. Cooper Jr. brings readers unparalleled detail on the moment-by-moment developments of one of NASA's most dramatic missions.

### **Reaching for the Moon**

From "America's nerviest journalist" (Newsweek)--a breath-taking epic, a magnificent adventure story, and an investigation into the true heroism and courage of the first Americans to conquer space. "Tom Wolfe at his very best" (The New York Times Book Review) Millions of words have poured forth about man's trip to the moon, but until now few people have had a sense of the most engrossing side of the adventure; namely, what went on in the minds of the astronauts themselves - in space, on the moon, and even during certain odysseys on earth. It is this, the inner life of the astronauts, that Tom Wolfe describes with his almost uncanny empathetic powers, that made *The Right Stuff* a classic.

### **The War of the Worlds**

With backbreaking work in a ramshackle lab in Paris, Marie Curie and her husband Pierre achieve a revolutionary understanding of radiation and share a Nobel Prize. When her beloved Pierre dies in an accident, Marie is plunged into depression. Paul Langevin, fleeing an unhappy marriage, gives her the strength to return to her work. But the scandal over their affair threatens to end her career - just when she might become the first person ever to receive a second Nobel Prize. --back.

### **Apollo's Legacy**

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 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).

### **Apollo 8**

"Originally self-published as an ebook in 2011 and subsequently published in hardcover in slightly different form in the United States by Crown Publishers and as a trade paperback by Broadway Books in 2014"--Title page verso.

### **Apollo 16**

Book & CD-ROM. Forewords by Ron Howard (Director of 'Apollo 13') and Clint Howard (who played Sy in the movie). Includes CD-ROM: 4 Hours of tape loops from Apollos 13 and 15. Most of what we learn about NASA's space missions comes from statements carefully planned and massaged by managers and public relations people. With Apollo EECOM: Journey of a Lifetime we finally get an insider's view of how the Flight Controllers operated and just what they faced when events were crucial. This book is the life story of Sy Liebergot, former NASA Flight Controller, with emphasis on his years working in Mission Control. Following the disastrous tank explosion during the Apollo 13 mission, it was the Flight Controllers that made possible the safe return of the three endangered astronauts. Aboard Apollo 13, Lovell, Haise and Swigert performed wonders battling for their lives, but without the expertise, quick thinking and technical support of Mission Control, they never could have come home. Sy Liebergot was there and relates the details as they really happened. And Apollo 13 is just one of the many exciting stories he tells us. Truly an insider's view, this book discusses not just the events, but also the people that decided and enacted those events. These are the details that were never shown on anyone's TV screen; finally we get to learn what type of people the NASA Mission Controllers really were, and how they handled the demanding tasks that were theirs alone.

### **Moonshot**

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.

### **Hidden Figures LP**

NEW YORK TIMES BESTSELLER • The riveting inside story of three heroic astronauts who took on the challenge of mankind's historic first mission to the Moon, from the bestselling author of *Shadow Divers*. "Robert Kurson tells the tale of Apollo 8 with novelistic detail and immediacy."—Andy Weir, #1 New York Times bestselling author of *The Martian* and *Artemis By August 1968*, the American space program was in danger of failing in its two most important objectives: to land a man on the Moon by President Kennedy's end-of-decade deadline, and to triumph over the Soviets in space. With its back against the wall, NASA made an almost unimaginable leap: It would scrap its usual methodical approach and risk everything on a sudden launch, sending the first men in history to the Moon—in just four months. And it would all happen at Christmas. In a year of historic violence and discord—the Tet Offensive, the assassinations of Martin Luther King, Jr., and Robert Kennedy, the riots at the Democratic National Convention in Chicago—the Apollo 8 mission would be the boldest, riskiest test of America's greatness under pressure. In this gripping insider account, Robert Kurson puts the focus on the three astronauts and their families: the commander, Frank Borman, a conflicted man on his final mission; idealistic Jim Lovell, who'd dreamed since boyhood of riding a rocket to the Moon; and Bill Anders, a young nuclear engineer and hotshot fighter pilot making his first space flight. Drawn from hundreds of hours of one-on-one interviews with the astronauts, their loved ones, NASA personnel, and myriad experts, and filled with vivid and unforgettable detail, *Rocket Men* is the definitive account of one of America's finest hours. In this real-life thriller, Kurson reveals the epic dangers involved, and the singular bravery it took, for mankind to leave Earth for the first time—and arrive at a new world. "Rocket Men is a riveting introduction to the [Apollo 8] flight. . . . Kurson details the mission in crisp, suspenseful scenes. . . . [A] gripping book."—The New York Times Book Review

### **Popular Science**

"Extraordinary.... A feast of history, an expert tour through thousands of years of war and conquest." —Jennifer Carson, *New York Times Book Review* In this far-reaching foray into the millennia-long relationship between science and military power, acclaimed astrophysicist Neil deGrasse Tyson and co-author Avis Lang examine how the methods and tools of astrophysics have been enlisted in the

service of war. Spanning early celestial navigation to satellite-enabled warfare, *Accessory to War* is a richly researched and provocative examination of the intersection of science, technology, industry, and power that will introduce Tyson's millions of fans to yet another dimension of how the universe has shaped our lives and our world.

### **Popular Science**

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### **The high school journal**

An all-encompassing look at the history and enduring impact of the Apollo space program In *Apollo's Legacy*, space historian Roger D. Launius explores the many-faceted stories told about the meaning of the Apollo program and how it forever altered American society. The Apollo missions marked the first time human beings left Earth's orbit and visited another world, and thus they loom large in our collective memory. Many have detailed the exciting events of the Apollo program, but Launius offers unique insight into its legacy as seen through multiple perspectives. He surveys a wide range of viewpoints and narratives, both positive and negative, surrounding the program. These include the argument that Apollo epitomizes American technological--and political--progress; technological and scientific advances garnered from the program; critiques from both sides of the political spectrum about the program's expenses; and even conspiracy theories and denials of the program's very existence. Throughout the book, Launius weaves in stories from important moments in Apollo's history to draw readers into his analysis. *Apollo's Legacy* is a must-read for space buffs interested in new angles on a beloved cultural moment and those seeking a historic perspective on the Apollo program.

### **Popular Science**

The bold story of an African-American mathematician who worked for NASA during the space race and was depicted in the film "Hidden Figures, " and how she made sure that the crew of Apollo 13 returned home. Full color.

### **Analog Science Fiction & Fact**

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

## **Simplexity**

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