

How I Killed Pluto And Why It Had It Coming

Discovering Pluto is an authoritative account of the exploration of Pluto and its moons, from the first inklings of tentative knowledge through the exciting discoveries made during the flyby of the NASA New Horizons research spacecraft in July 2015. Co-author Dale P. Cruikshank was a co-investigator on the New Horizons mission, while co-author William Sheehan is a noted historian of the Solar System. Telling the tale of Pluto's discovery, the authors recount the grand story of our unfolding knowledge of the outer Solar System, from William Herschel's serendipitous discovery of Uranus in 1781, to the mathematical prediction of Neptune's existence, to Percival Lowell's studies of the wayward motions of those giant planets leading to his prediction of another world farther out. Lowell's efforts led to Clyde Tombaugh's heroic search and discovery of Pluto—then a mere speck in the telescope—at Lowell Observatory in 1930. Pluto was finally recognized as the premier body in the Kuiper Belt, the so-called third zone of our Solar System. The first zone contains the terrestrial planets (Mercury through Mars) and the asteroid belt; the second, the gas-giant planets Jupiter through Neptune. The third zone, holding Pluto and the rest of the Kuiper Belt, is the largest and most populous region of the solar system. Now well beyond Pluto, New Horizons will continue to wend its lonely way through the galaxy, but it is still transmitting data, even today. Its ultimate legacy may be to inspire future generations to uncover more secrets of Pluto, the Solar System, and the Universe.

"The Black Cat" is a short story by Edgar Allan Poe. It was first published in the August 19, 1843,

edition of The Saturday Evening Post. It is a study of the psychology of guilt, often paired in analysis with Poe's "The Tell-Tale Heart". In both, a murderer carefully conceals his crime and believes himself unassailable, but eventually breaks down and reveals himself, impelled by a nagging reminder of his guilt.

The New York Times bestseller: "You gotta read this. It is the most exciting book about Pluto you will ever read in your life." —Jon Stewart When the Rose Center for Earth and Space at the American Museum of Natural History reclassified Pluto as an icy comet, the New York Times proclaimed on page one, "Pluto Not a Planet? Only in New York." Immediately, the public, professionals, and press were choosing sides over Pluto's planethood. Pluto is entrenched in our cultural and emotional view of the cosmos, and Neil deGrasse Tyson, award-winning author and director of the Rose Center, is on a quest to discover why. He stood at the heart of the controversy over Pluto's demotion, and consequently Plutophiles have freely shared their opinions with him, including endless hate mail from third-graders. With his inimitable wit, Tyson delivers a minihistory of planets, describes the oversized characters of the people who study them, and recounts how America's favorite planet was ousted from the cosmic hub.

A novel of ambition and obsession centered on the race to discover Pluto in 1930, pitting an untrained Kansas farm boy against the greatest minds of Harvard at the run-down Lowell Observatory in Arizona In 1928, the boy who will discover Pluto, Clyde Tombaugh, is on the family farm, grinding a lens for his own telescope under the immense Kansas sky. In Flagstaff, Arizona, the staff of Lowell Observatory is about to resume the late Percival Lowell's interrupted search for Planet X. Meanwhile, the immensely rich heir to a chemical fortune has decided to go west to hunt for dinosaurs and in Cambridge, Massachussetts, the most beautiful girl in America is going slowly insane while her ex-

heavyweight champion boyfriend stands by helplessly, desperate to do anything to keep her. Inspired by the true story of Tombaugh and set in the last gin-soaked months of the flapper era, Percival's Planet tells the story of the intertwining lives of half a dozen dreamers, schemers, and madmen. Following Tombaugh's unlikely path from son of a farmer to discoverer of a planet, the novel touches on insanity, mathematics, music, astrophysics, boxing, dinosaur hunting, shipwrecks—and what happens when the greatest romance of your life is also the source of your life's greatest sorrow.

Micro Monsters

Science Blogging

They Both Die at the End

11 Planets

The Enduring Story of Astronomy's Vanishing Explorers

Rare Earth

Five Billion Years of Solitude

"A definitive guide to astronomy's hottest field." —The Economist Since its formation nearly five billion years ago, our planet has been the sole living world in a vast and silent universe. But over the past two decades, astronomers have discovered thousands of "exoplanets," including some that may be similar to our own world, and the pace of discovery is accelerating. In a fascinating account of an unfolding revolution, Lee Billings draws on interviews with the world's top experts in the search for life beyond earth. He reveals how the search for exoplanets is not only a scientific challenge, but also a reflection of our culture's timeless hopes, dreams, and fears.

Eddie is a wounded war veteran, an old man who has lived, in his mind, an uninspired life. His last fixing rides at a seaside amusement park. On his 83rd birthday, a tragic accident kills him, as

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to save a little girl from a falling cart. He awakes in the afterlife, where he learns that heaven is his final destination. It's a place where your life is explained to you by five people, some of whom you know and others who may have been strangers. One by one, from childhood to soldier to old age, Eddie's loved ones and people revisit their connections to him on earth, illuminating the mysteries of his "meaningless" life and revealing the haunting secret behind the eternal question: "Why was I here?"

NEW YORK TIMES BESTSELLER • Have you ever wondered what it would be like to find yourself strapped to a giant rocket that's about to go from zero to 17,500 miles per hour? Or to look out at Earth from outer space and see the surprisingly precise line between day and night? Or to stand in front of the Hubble Space Telescope, wondering if the emergency repair you're about to make will inadvertently ruin humankind's chance to unlock the universe's secrets? Mike Massimino has been there, and in *Spaceman* he puts you inside the suit, with all the zip and buoyancy of life in microgravity. Massimino's childhood space dreams were born the day Neil Armstrong set foot on the moon. Growing up in a working-class Long Island family, he catapulted himself to Columbia and then MIT, only to flunk his first doctoral exam and be rejected three times by NASA before making it through the final round of astronaut selection. Taking us through the surreal wonder and beauty of his first spacewalk, the tragedy of losing friends in the Columbia shuttle accident, and the development of his enduring love for the Hubble Telescope—which he and his fellow astronaut were tasked with saving on his final mission—Massimino has written an ode to never giving up and the power of teamwork to make anything possible. *Spaceman* invites us into a rare, wonderful world where science meets the most thrilling adventure, revealing just what having "the right stuff" means.

New Yorkers Grant and his girlfriend Mariah decided on a whim to buy an old plantation house

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the Mississippi Delta. This is their journey of discovery to a remote, isolated strip of land, three days beyond the tiny community of Pluto. They learn to hunt, grow their own food, and fend off alligators, snakes, and varmints galore. They befriend an array of unforgettable local characters, capture the rich, extraordinary culture of the Delta, and delve deeply into the Delta's lingering racial tensions. As the nomadic Grant learns to settle down, he falls not just for his girlfriend but for the beguiling place they now call home.

A True Story

Spaceman

The Search for Life Among the Stars

Looking At-- Deinonychus

Why Complex Life is Uncommon in the Universe

You Are Not a Gadget

A Baseball Memoir

A NATIONAL BESTSELLER A programmer, musician, and father of virtual reality technology, Jaron Lanier was a pioneer in digital media, and among the first to predict the revolutionary changes it would bring to our commerce and culture. Now, with the Web influencing virtually every aspect of our lives, he offers this provocative critique of how digital design is shaping society, for better and for worse. Informed by Lanier's experience and expertise as a computer scientist, *You Are Not a Gadget*

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discusses the technical and cultural problems that have unwittingly risen from programming choices—such as the nature of user identity—that were “locked-in” at the birth of digital media and considers what a future based on current design philosophies will bring. With the proliferation of social networks, cloud-based data storage systems, and Web 2.0 designs that elevate the “wisdom” of mobs and computer algorithms over the intelligence and wisdom of individuals, his message has never been more urgent.

The solar system most of us grew up with included nine planets, with Mercury closest to the sun and Pluto at the outer edge. Then, in 2005, astronomer Mike Brown made the discovery of a lifetime: a tenth planet, Eris, slightly bigger than Pluto. But instead of adding one more planet to our solar system, Brown's find ignited a firestorm of controversy that culminated in the demotion of Pluto from real planet to the newly coined category of “dwarf” planet. Suddenly Brown was receiving hate mail from schoolchildren and being bombarded by TV reporters—all because of the discovery he had spent years searching for and a lifetime dreaming about. A heartfelt and personal journey filled with both humor and drama, *How I Killed Pluto and Why It Had It Coming* is the book for anyone, young or old,

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who has ever imagined exploring the universe—and who among us hasn't? NEW YORK TIMES BESTSELLER • Pierce Brown's relentlessly entertaining debut channels the excitement of *The Hunger Games* by Suzanne Collins and *Ender's Game* by Orson Scott Card. "Red Rising ascends above a crowded dystopian field."—USA Today ONE OF THE BEST BOOKS OF THE YEAR—Entertainment Weekly, BuzzFeed, Shelf Awareness "I live for the dream that my children will be born free," she says. "That they will be what they like. That they will own the land their father gave them." "I live for you," I say sadly. Eo kisses my cheek. "Then you must live for more." Darrow is a Red, a member of the lowest caste in the color-coded society of the future. Like his fellow Reds, he works all day, believing that he and his people are making the surface of Mars livable for future generations. Yet he toils willingly, trusting that his blood and sweat will one day result in a better world for his children. But Darrow and his kind have been betrayed. Soon he discovers that humanity reached the surface generations ago. Vast cities and lush wilds spread across the planet. Darrow—and Reds like him—are nothing more than slaves to a decadent ruling class. Inspired by a longing for justice, and driven by the memory of lost love, Darrow sacrifices everything to infiltrate the legendary

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Institute, a proving ground for the dominant Gold caste, where the next generation of humanity's overlords struggle for power. He will be forced to compete for his life and the very future of civilization against the best and most brutal of Society's ruling class. There, he will stop at nothing to bring down his enemies . . . even if it means he has to become one of them to do so. Praise for Red Rising "[A] spectacular adventure . . . one heart-pounding ride . . . Pierce Brown's dizzyingly good debut novel evokes The Hunger Games, Lord of the Flies, and Ender's Game. . . . [Red Rising] has everything it needs to become meteoric."—Entertainment Weekly "Ender, Katniss, and now Darrow."—Scott Sigler "Red Rising is a sophisticated vision. . . . Brown will find a devoted audience."—Richmond Times-Dispatch Don't miss any of Pierce Brown's Red Rising Saga: RED RISING • GOLDEN SON • MORNING STAR • IRON GOLD • DARK AGE

Here is the essential how-to guide for communicating scientific research and discoveries online, ideal for journalists, researchers, and public information officers looking to reach a wide lay audience. Drawing on the cumulative experience of twenty-seven of the greatest minds in scientific communication, this invaluable handbook targets the specific questions and concerns of the scientific community, offering help in a wide range of

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digital areas, including blogging, creating podcasts, tweeting, and more. With step-by-step guidance and one-stop expertise, this is the book every scientist, science writer, and practitioner needs to approach the Wild West of the Web with knowledge and confidence.

The Black Cat

Heroes of Olympus: The Son of Neptune

Pluto Is Peeved

Percival's Planet

Red Rising

An Icy World's Tale of Discovery

The Day We Found the Universe

What determines whether complex life will arise on a planet, or even any life at all? Questions such as these are investigated in this groundbreaking book. In doing so, the authors synthesize information from astronomy, biology, and paleontology, and apply it to what we know about the rise of life on Earth and to what could possibly happen elsewhere in the universe. Everyone who has been thrilled by the recent discoveries of extrasolar planets and the indications of life on Mars and the Jovian moon Europa will be fascinated by Rare Earth, and its implications for those who look to the heavens for

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companionship.

Called "spellbinding" (Scientific American) and "thrilling...a future classic of popular science" (PW), the up close, inside story of the greatest space exploration project of our time, New Horizons' mission to Pluto, as shared with David Grinspoon by mission leader Alan Stern and other key players. On July 14, 2015, something amazing happened. More than 3 billion miles from Earth, a small NASA spacecraft called New Horizons screamed past Pluto at more than 32,000 miles per hour, focusing its instruments on the long mysterious icy worlds of the Pluto system, and then, just as quickly, continued on its journey out into the beyond. Nothing like this has occurred in a generation—a raw exploration of new worlds unparalleled since NASA's Voyager missions to Uranus and Neptune—and nothing quite like it is planned to happen ever again. The photos that New Horizons sent back to Earth graced the front pages of newspapers on all 7 continents, and NASA's website for the mission received more than 2 billion hits in the days surrounding the flyby. At a time when so many think that our most historic achievements are in the past, the most distant planetary exploration ever attempted not only succeeded in 2015 but made history and captured the world's imagination. How did this happen? Chasing New Horizons is the story of the men and women behind this amazing mission: of their decades-long commitment and persistence; of the

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political fights within and outside of NASA; of the sheer human ingenuity it took to design, build, and fly the mission; and of the plans for New Horizons' next encounter, 1 billion miles past Pluto in 2019. Told from the insider's perspective of mission leader Dr. Alan Stern and others on New Horizons, and including two stunning 16-page full-color inserts of images, *Chasing New Horizons* is a riveting account of scientific discovery, and of how much we humans can achieve when people focused on a dream work together toward their incredible goal.

When the Second World War broke out in September 1939, it came as no surprise to the children of Germany: the Nazis had been preparing them for a war ever since they had come to power in 1933. To British children it was an altogether different matter. Children all over Britain were deeply affected by the war: many were separated from their parents by evacuation or bereavement; all had to 'make do and mend' with clothes and toys; and some even died while contributing to the war effort at home. In this moving and often amusing account, Mike Brown describes what life was like on the Home Front during the war from a child's point of view. His fully illustrated narrative includes details of evacuation, rationing, coping with gas masks and air raids, entertainment and the important - and often dangerous - roles of the Boy Scouts and Girl Guides. This photographic history pays tribute to

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the generation of girls and boys who grew up under the shadow of the Second World War.

The bestselling author of *Longitude* and *Galileo's Daughter* tells the story of Nicolaus Copernicus and the revolution in astronomy that changed the world.

The Sky Is Not the Limit

Lost and Found in the Mississippi Delta

A Dinosaur from the Cretaceous Period

How a Little Planet Made a Big Difference

An Astronaut's Unlikely Journey to Unlock the Secrets of the Universe

The Martian: Classroom Edition

Exploration at the Edge of the Solar System

Provides an introduction to the planets of the solar system, including the two new dwarf planets, Ceres and Eris.

In the Classroom Edition of *The Martian*: Classroom-appropriate language

Discussion questions and activities Q&A with Andy Weir Six days ago,

astronaut Mark Watney became one of the first people to walk on Mars.

Now, he's sure he'll be the first person to die there. After a dust storm

nearly kills him and forces his crew to evacuate while thinking him dead,

Mark finds himself stranded and completely alone with no way to even

signal Earth that he's alive—and even if he could get word out, his supplies

would be gone long before a rescue could arrive. Chances are, though, he won't have time to starve to death. The damaged machinery, unforgiving environment, or plain-old "human error" are much more likely to kill him first. But Mark isn't ready to give up yet. Drawing on his ingenuity, his engineering skills—and a relentless, dogged refusal to quit—he steadfastly confronts one seemingly insurmountable obstacle after the next. Will his resourcefulness be enough to overcome the impossible odds against him? The tranquility of Mars is disrupted by humans who want to conquer space, colonize the planet, and escape a doomed Earth.

Percy is confused. When he awoke after his long sleep, he didn't know much more than his name. His brain-fuzz is lingering, even after the wolf Lupa told him he is a demigod and trained him to fight. Somehow Percy managed to make it to the camp for half-bloods, despite the fact that he had to continually kill monsters that, annoyingly, would not stay dead. But the camp doesn't ring any bells with him. Hazel is supposed to be dead. When she lived before, she didn't do a very good job of it. When the Voice took over her mother and commanded Hazel to use her "gift" for an evil purpose, Hazel couldn't say no. Now, because of her mistake, the future of the world is at risk.

Space Nomads: Set a Course for Mars

The Essential Guide

The Mission

The Case for Pluto

Lord of the Flies

A More Perfect Heaven

Sandy Hook

Golding's iconic 1954 novel, now with a new foreword by Lois Lowry, remains one of the greatest books ever written for young adults and an unforgettable classic for readers of any age. This edition includes a new Suggestions for Further Reading by Jennifer Buehler. At the dawn of the next world war, a plane crashes on an uncharted island, stranding a group of schoolboys. At first, with no adult supervision, their freedom is something to celebrate. This far from civilization they can do anything they want. Anything. But as order collapses, as strange howls echo in the night, as terror begins its reign, the hope of adventure seems as far removed from reality as the hope of being rescued.

Pluto is peeved. And who can blame him? He was once considered one of the Solar System's nine planets but was unceremoniously demoted. "Why do scientists think it is all right to change things?" Is just one question

Pluto asks as he roams the science museum in search of answers. Pluto Is Peeved!, a comic-book-style picture book, takes you on a scientific journey side-by-side with Pluto, who speaks with other museum inhabitants—such as a dinosaur, a germ, and the Earth—and learns what exactly scientists are interested in. The answer is: everything, including him!

People, children especially, have been baffled, bewildered, and even outraged by the fact that Pluto is no longer called a planet. Through whimsical artwork and an entertaining dialogue format, Pluto's Secret explains the true story of this distant world. Providing a history of the small, icy world from its discovery and naming to its recent reclassification, this book presents a fascinating look at how scientists organize and classify our solar system as they gain new insights into how it works and what types of things exist within it. The book includes a glossary and bibliography. Praise for Pluto's Secret "Pairing a lighthearted narrative in a hand-lettered-style typeface with informally drawn cartoon illustrations, this lively tale of astronomical revelations begins with the search for Planet X." —Kirkus Reviews "This picture book offers a fresh, positive perspective on Pluto, showing that its change of status is not a demotion but a correction." —Booklist "Light-hearted imagining of a gregarious Pluto."

—Bulletin of the Center for Children's Books "Fun reading... The book provides a factual history of our faraway 'dwarf,' and on its companion icy worlds, and on the discovery of Kuiper-like bands around other stars."

—School Library Journal Award New York Public Library's annual Children's Books list: 100 Titles for Reading and Sharing 2013

Describes the physical characteristics and probable behavior of this fierce meat-eating dinosaur from western North America

An American Tragedy and the Battle for Truth

Growing Up on the Home Front

A Novel

Adventures of an Urban Astrophysicist

The Last Stargazers

How I Killed Pluto and Why It Had It Coming

The Five People You Meet in Heaven

From the author of *Astrophysics for People in a Hurry* and the host of *Cosmos: A Spacetime Odyssey*, a memoir about growing up and a young man's budding scientific curiosity. This is the absorbing story of Neil deGrasse Tyson's lifelong fascination with the night sky, a restless wonder that began some thirty

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years ago on the roof of his Bronx apartment building and eventually led him to become the director of the Hayden Planetarium. A unique chronicle of a young man who at one time was both nerd and jock, Tyson's memoir could well inspire other similarly curious youngsters to pursue their dreams. Like many athletic kids he played baseball, won medals in track and swimming, and was captain of his high school wrestling team. But at the same time he was setting up a telescope on winter nights, taking an advanced astronomy course at the Hayden Planetarium, and spending a summer vacation at an astronomy camp in the Mojave Desert. Eventually, his scientific curiosity prevailed, and he went on to graduate in physics from Harvard and to earn a Ph.D. in astrophysics from Columbia. There followed postdoctoral research at Princeton. In 1996, he became the director of the Hayden Planetarium, where some twenty-five years earlier he had been awed by the spectacular vista in the sky theater. Tyson pays tribute to the key teachers and mentors who recognized his precocious interests and abilities, and helped him succeed. He intersperses personal reminiscences with thoughts on scientific literacy, careful science vs. media hype, the possibility that a

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meteor could someday hit the Earth, dealing with society's racial stereotypes, what science can and cannot say about the existence of God, and many other interesting insights about science, society, and the nature of the universe. Now available in paperback with a new preface and other additions, this engaging memoir will enlighten and inspire an appreciation of astronomy and the wonders of our universe.

Set in the fictional town of Castle Rock, Maine A #1 New York Times bestseller about a man who wakes up from a five-year coma able to see people's futures and the terrible fate awaiting mankind—a "compulsive page-turner" (The Atlanta Journal-Constitution). Johnny Smith awakens from a five-year coma after his car accident and discovers that he can see people's futures and pasts when he touches them. Many consider his talent a gift; Johnny feels cursed. His fiancée married another man during his coma and people clamor for him to solve their problems. When Johnny has a disturbing vision after he shakes the hand of an ambitious and amoral politician, he must decide if he should take drastic action to change the future. With "powerful tension that holds the reader to the story like a pin to a magnet" (The

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Houston Post), The Dead Zone is a "faultlessly paced...continuously engrossing" (Los Angeles Times) novel of second sight.

"Exceptionally absorbing and thrilling. ... Masterful." --Nature
A "magnificent" (Scientific American), genre-defying narrative of the most ambitious science project ever conceived: NASA's deep space mission to Europa, the Jovian moon where might swim the first known alien life in our solar system In the spirit of Tom Wolfe and John McPhee, The Mission is an exuberant master class of creative nonfiction that reveals how a motley, determined few expanded the horizon of human achievement. When scientists discovered the first ocean beyond Earth, they had two big questions: "Is it habitable?" and "How do we get there?" To answer the first, they had to solve the second, and so began a vivacious team's twenty-year odyssey to mount a mission to Europa, the ocean moon of Jupiter. Standing in their way: NASA, fanatically consumed with landing robots on Mars; the White House, which never saw a science budget it couldn't cut; Congress, fixated on going to the moon or Mars--anywhere, really, to give astronauts something to do; rivals in academia,

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who wanted instead to go to Saturn; and even Jupiter itself, which guards Europa in a pulsing, rippling radiation belt--a halo of death whose conditions are like those that follow a detonated thermonuclear bomb. The Mission is the Homeric, never-before-told story of modern space exploration, and a magnificent portrait of the inner lives of scientists who study the solar system's mysterious outer planets. David W. Brown chronicles the remarkable saga of how Europa was won, and what it takes to get things done--both down here, and up there.

A Midwesterner's version of "Wait Till Next Year"--a witty, charming account of the history of the Cleveland Indians, and how a common love of baseball forged a remarkable bond between a man and his father. 16 pp of photos.

Frozen Star

Inside the Epic First Mission to Pluto

How Copernicus Revolutionised the Cosmos

Our Tribe

Dispatches from Pluto

An ex-planet searches for answers

Transform Your Mind. Expand Your Universe. Reach for Mars. Imagine a better tomorrow with interstellar essays and art—drawing on the aspirational futurism that fuels *Star Trek*, *The Martian*, and *2001: A Space Odyssey*, renowned contemporary artist Camomile Hixon reminds us that by reaching for the stars, we can chase our full potential beyond Earth, while also transforming ourselves and our understanding of the Pale Blue Dot we call home. We stand at the threshold of interplanetary travel: SpaceX rockets are now routinely leaving Earth and NASA's new Perseverance rover is searching for signs of ancient life on the Red Planet. Not since the moon landing in 1969 has space—or the promise of a transformational future for humankind—felt so close. Do we dare to reach for it? Yearning to know the stars has long united humanity and ignited our imaginations. And while here on Earth we grapple with deep unrest—economic struggle, political upheaval, gender discrimination, pandemics, racial tensions, climate change—the potential of a colony on Mars has sparked a new, universal hope and a heightened sense of collective purpose as we discover our ultimate destiny beyond Earth's orbit. Celebrating the limitless potential of space and the human spirit, Hixon's indelible essays and fantastical works of art invite us to imagine

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a transcendent future where we reach together for absolute freedom, unconditional love, and wellness on our grand quest for world peace. Weaving science, history, art, and philosophy with meditations on higher consciousness inspired by seeing the Earth from Space, *Space Nomads* is a book of unbridled optimism for the future.

Dava Sobel's *The Glass Universe* will be available from Viking in December 2016. With her bestsellers *Longitude* and *Galileo's Daughter*, Dava Sobel introduced readers to her rare gift for weaving complex scientific concepts into a compelling narrative. Now Sobel brings her full talents to bear on what is perhaps her most ambitious topic to date—the planets of our solar system. Sobel explores the origins and oddities of the planets through the lens of popular culture, from astrology, mythology, and science fiction to art, music, poetry, biography, and history. Written in her characteristically graceful prose, *The Planets* is a stunningly original celebration of our solar system and offers a distinctive view of our place in the universe. * A New York Times extended bestseller * A Featured Alternate of the Book-of-the-Month Club, History Book Club, Scientific American Book Club, and Natural Science Book Club * Includes 11 full-color illustrations by artist Lynette

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R. Cook "[The Planets] lets us fall in love with the heavens all over again." -The New York Times Book Review "Playful . . . lyrical . . . a guided tour so imaginative that we forget we're being educated as we're being entertained." -Newsweek " [Sobel] has outdone her extraordinary talent for keeping readers enthralled. . . . Longitude and Galileo's Daughter were exciting enough, but The Planets has a charm of its own . . . A splendid and enticing book." -San Francisco Chronicle "A sublime journey. [Sobel's] writing . . . is as bright as the sun and its thinking as star-studded as the cosmos." -The Atlanta Journal-Constitution "An incantatory serenade to the Solar System. Grade A-" -Entertainment Weekly "Like Sobel's [Longitude and Galileo's Daughter] . . . [The Planets] combines masterful storytelling with clear, engaging explanations of the essential scientific facts." -Physics World Looks at the discovery of the true nature and immense size of the universe, tracing the decades of work done by a select group of scientists to make it possible.

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

Pluto's Secret

Incredible Stories from Space

Chasing the Arts, Sciences, and Technology for Human Transformation

Discovering Pluto

The Planets

The Martian Chronicles

A New View of the Solar System

Adam Silvera reminds us that there's no life without death and no love without loss in this devastating yet uplifting story about two people whose lives change over the course of one unforgettable day. #1 New York Times bestseller * 4 starred reviews * A School Library Journal Best Book of the Year * A Kirkus Best Book of the Year * A Booklist Editors' Choice * A Bustle Best YA Novel * A Paste Magazine Best YA Book * A Book Riot Best Queer Book * A BuzzFeed Best YA Book of the Year * A BookPage Best YA Book of the Year On September 5, a little after midnight, Death-Cast calls Mateo Torrez and Rufus Emeterio to give them some bad news: They're going to die today. Mateo and Rufus are total strangers, but, for different reasons, they're both looking to make a new friend on their End Day. The good news: There's an app for that. It's called the Last Friend, and through it, Rufus and Mateo are about to meet up for one last great adventure—to live a lifetime in a single day. In the tradition of *Before I Fall* and *If I Stay*, *They Both Die*

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at the End is a tour de force from acclaimed author Adam Silvera, whose debut, *More Happy Than Not*, the New York Times called "profound." Plus don't miss *The First to Die at the End*: #1 New York Times bestselling author Adam Silvera returns to the universe of international phenomenon *They Both Die at the End* in this prequel. New star-crossed lovers are put to the test on the first day of Death-Cast's fateful calls.

"Creatures that live in your skin, in your hair and in your home!" -- Cover.

The story of the people who see beyond the stars—an astronomy book for adults still spellbound by the night sky. Humans from the earliest civilizations through today have craned their necks each night, using the stars to orient themselves in the large, strange world around them. Stargazing is a pursuit that continues to fascinate us: from Copernicus to Carl Sagan, astronomers throughout history have spent their lives trying to answer the biggest questions in the universe. Now, award-winning astronomer

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Emily Levesque shares the stories of modern-day stargazers in this new nonfiction release, the people willing to adventure across high mountaintops and to some of the most remote corners of the planet, all in the name of science. From the lonely quiet of midnight stargazing to tall tales of wild bears loose in the observatory, *The Last Stargazers* is a love letter to astronomy and an affirmation of the crucial role that humans can and must play in the future of scientific discovery. In this sweeping work of narrative science, Levesque shows how astronomers in this scrappy and evolving field are going beyond the machines to infuse creativity and passion into the stars and space and inspires us all to peer skyward in pursuit of the universe's secrets. Based on hundreds of hours of research, interviews, and access to exclusive sources and materials, *Sandy Hook* is Elizabeth Williamson's landmark investigation of the aftermath of a school shooting, the work of Sandy Hook parents who fought to defend themselves, and the truth of their children's fate against the frenzied distortions of

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online deniers and conspiracy theorists. On December 14, 2012, a gunman killed twenty first-graders and six educators at Sandy Hook Elementary School in Newtown, Connecticut. Ten years later, Sandy Hook has become a foundational story of how false conspiracy narratives and malicious misinformation have gained traction in society. One of the nation's most devastating mass shootings, Sandy Hook was used to create destructive and painful myths. Driven by ideology or profit, or for no sound reason at all, some people insisted it never occurred, or was staged by the federal government as a pretext for seizing Americans' firearms. They tormented the victims' relatives online, accosted them on the street and at memorial events, accusing them of faking their loved ones' murders. Some family members have been stalked and forced into hiding. A gun was fired into the home of one parent. Present at the creation of this terrible crusade was Alex Jones's Infowars, a far-right outlet that aired noxious Sandy Hook theories to millions and raised money for the conspiracy theorists' quest to "prove" the shooting didn't

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happen. Enabled by Facebook, YouTube, and other social media companies' failure to curb harmful content, the conspiracists' questions grew into suspicion, suspicion grew into demands for more proof, and unanswered demands turned into rage. This pattern of denial and attack would come to characterize some Americans' response to almost every major event, from mass shootings to the coronavirus pandemic to the 2020 presidential election, in which President Trump's false claims of a rigged result prompted the January 6, 2021, assault on a bastion of democracy, the U.S. Capitol. The Sandy Hook families, led by the father of the youngest victim, refused to accept this. Sandy Hook is the story of their battle to preserve their loved ones' legacies even in the face of threats to their own lives. Through exhaustive reporting, narrative storytelling, and intimate portraits, Sandy Hook is the definitive book on one of the most shocking cultural ruptures of the internet era. The Pluto Files: The Rise and Fall of America's Favorite Planet

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The Dead Zone

A Behind-the-Scenes Look at the Missions Changing Our View
of the Cosmos

A Child's War

Chasing New Horizons

In support of Pluto—the cutest and most unfairly treated planet Pity poor Pluto: It's a planet that was discovered because of a mistake, a planet that turned out not to be a planet at all, thank you very much for a still-disputed decision made in 2006. And yet, Pluto is the planet best-loved by Americans, especially children, one that may have contained the building blocks of life billions of years ago and may well serve as life's last redoubt billions of years from now. In *The Case for Pluto*, award-winning science writer Alan Boyle traces the tiny planet's ups and downs, its strange appeal, the reasons behind its demotion, and the reasons why it should be set back in the planetary pantheon. Tells the compelling story of Pluto's discovery and how it became a cultural icon Makes the case for Pluto as planet, countering the books that argue against it Comes in a small, friendly package just like Pluto — and features a handsome design, making it a great gift *The Case for Pluto* is a must-read tale of a cosmic underdog that has captured the hearts of millions: an endearing little planet that is changing the way we see the universe beyond our backyard. Alan Boyle is MSNBC.com's science editor and the award-winning blogger behind *Cosmic Log*. He's been a talking head on NBC's *The Today Show* and the MSNBC cable channel, holding forth on scientific subjects ranging from the chances of an asteroid Armageddon to the 3-D wizardry behind the "Harry Potter" movies. But he writes better than he talks.

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