

## Eccentric Orbits The Iridium Story

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Locas Yxta Maya Murray 1997 Fictionally explores the coming-of-age of two teenaged girls from East L.A. as they struggle to define themselves in a world of brutal gang warfare

Flying Blind Peter Robison 2021-11-30 NEW YORK TIMES BUSINESS BEST SELLER • A suspenseful behind-the-scenes look at the dysfunction that contributed to one of the worst tragedies in modern aviation: the 2018 and 2019 crashes of the Boeing 737 MAX. An "authoritative, gripping and finely detailed narrative that charts the decline of one of the great American companies" (New York Times Book Review), from the award-winning reporter for Bloomberg. Boeing is a century-old titan of industry. It played a major role in the early days of commercial flight, World War II bombing missions, and moon landings. The planemaker remains a cornerstone of the U.S. economy, as well as a linchpin in the awesome routine of modern air travel. But in 2018 and 2019, two crashes of the Boeing 737 MAX 8 killed 346 people. The crashes exposed a shocking pattern of malfeasance, leading to the biggest crisis in the company's history—and one of the costliest corporate scandals ever. How did things go so horribly wrong at Boeing? Flying Blind is the definitive exposé of the disasters that transfixed the world. Drawing from exclusive interviews with current and former employees of Boeing and the FAA; industry executives and analysts; and family members of the victims, it reveals how a broken corporate culture paved the way for catastrophe. It shows how in the race to beat the competition and reward top executives, Boeing skimped on testing, pressured employees to meet unrealistic deadlines, and convinced regulators to put planes into service without properly equipping them or their pilots for flight. It examines how the company, once a treasured American innovator, became obsessed with the bottom line, putting shareholders over customers, employees, and communities. By Bloomberg investigative journalist Peter Robison, who covered Boeing as a beat reporter during the company's fateful merger with McDonnell Douglas in the late '90s, this is the story of a business gone wildly off course. At once riveting and disturbing, it shows how an iconic company fell prey to a win-at-all-costs mentality, threatening an industry and endangering countless lives.

Satellites Michel Capderou 2006-01-16 This useful resource deals with satellite orbits, showing how the wide range of available orbits can be used in communications, positioning, remote-sensing, meteorology, and astronomy.

Satellite Orbits Oliver Montenbruck 2012-12-06 This modern presentation guides readers through the theory and practice of satellite orbit prediction and determination. Starting from the basic principles of orbital mechanics, it covers elaborate force models as well as precise methods of satellite tracking. The accompanying CD-ROM includes source code in C++ and relevant data files for applications. The result is a powerful and unique spaceflight dynamics library, which allows users to easily create software extensions. An extensive collection of frequently updated Internet resources is provided through WWW hyperlinks.

The Perfectionists Simon Winchester 2018-05-08 "Another gem from one of the world's justly celebrated historians specializing in unusual and always fascinating subjects and people." — Booklist (starred review) The revered New York Times bestselling author traces the development of technology from the Industrial Age to the Digital Age to explore the single component crucial to advancement—precision—in a superb history that is both an homage and a warning for our future. The rise of manufacturing could not have happened without an attention to precision. At the dawn of the Industrial Revolution in eighteenth-century England, standards of measurement were established, giving way to the development of machine tools—machines that make machines. Eventually, the application of precision tools and methods resulted in the creation and mass production of items from guns and glass to mirrors, lenses, and cameras—and eventually gave way to further breakthroughs, including gene splicing, microchips, and the Hadron Collider. Simon Winchester takes us back to origins of the Industrial Age, to England where he introduces the scientific minds that helped usher in modern production: John Wilkinson, Henry Maudslay, Joseph Bramah, Jesse Ramsden, and Joseph Whitworth. It was Thomas Jefferson who later exported their discoveries to the fledgling United States, setting the nation on its course to become a manufacturing titan. Winchester moves forward through time, to today's cutting-edge developments occurring around the world, from America to Western Europe to Asia. As he introduces the minds and methods that have changed the modern world, Winchester explores fundamental questions. Why is precision important? What are the different tools we use to measure it? Who has invented and perfected it? Has the pursuit of the ultra-precise in so many facets of human life blinded us to other things of equal value, such as an appreciation for the age-old traditions of craftsmanship, art, and high culture? Are we missing something that reflects the world as it is, rather than the world as we think we would wish it to be? And can the craftsman and the natural co-exist in society?

Satellite Technology Anil K. Maini 2014-03-31 Fully updated edition of the comprehensive, single-source reference on satellite technology and its applications. Covering both the technology and its applications, Satellite Technology is a concise reference on satellites for commercial, scientific and military purposes. The book explains satellite technology fully, beginning by offering an introduction to the fundamentals, before covering orbits and trajectories, launch and in-orbit operations, hardware, communication techniques, multiple access techniques, and link design fundamentals. This new edition also includes comprehensive chapters on Satellite Networks and Satellite Technology – Emerging Trends. Providing a complete survey of applications, from remote sensing and military uses, to navigational and scientific applications, the authors also present an inclusive compendium on satellites and satellite launch vehicles. Filled with diagrams and illustrations, this book serves as an ideal introduction for those new to the topic, as well as a reference point for professionals. Fully updated edition of the comprehensive, single-source reference on satellite technology and its applications - remote sensing, weather, navigation, scientific, and military - including new chapters on Satellite Networks and Satellite Technology – Emerging Trends Covers the full range of satellite applications in remote sensing, meteorology, the military, navigation and science, and communications, including satellite-to-under sea communication, satellite cell-phones, and global Xpress system of INMARSAT The cross-disciplinary coverage makes the book an essential reference book for professionals, R&D scientists and students at post graduate level Companion website provides a complete compendium on satellites and satellite launch vehicles An ideal introduction for Professionals and R&D scientists in the field. Engineering Students. Cross disciplinary information for engineers and technical managers.

The Deal of the Century Steve Coll 2017-06-13 A New York Times–bestselling author's "superbly reported" account of the dismantling of the world's largest corporation (The Washington Post). Written by the two-time Pulitzer Prize–winning author of Ghost Wars and Private Empire, The Deal of the Century chronicles the decade-long war for control of AT&T. When the US Department of Justice brought an antitrust lawsuit against AT&T in 1974, the telecommunications giant held a monopoly on phone service throughout the country. Over the following decade, an army of lawyers, executives, politicians, and judges spent countless hours clashing over what amounted to the biggest corporate breakup in American history. From boardroom to courtroom, Steve Coll untangles the myriad threads of this complex and critical case and gives readers "an excellent behind-the-scenes look" at the human drama involved in the remaking of an entire industry (The Philadelphia Inquirer). Hailed by the New York Times Book Review as "rich, intricate and convincing," The Deal of the Century is the definitive narrative of a momentous turning point in the way America does business.

Magic and Loss Virginia Heffernan 2016-06-07 Just as Susan Sontag did for photography and Marshall McLuhan did for television, Virginia Heffernan (called one of the "best living writers of English prose") reveals the logic and aesthetics behind the Internet. Since its inception, the Internet has morphed from merely an extension of traditional media into its own full-fledged civilization. It is among mankind's great masterpieces—a massive work of art. As an idea, it rivals monotheism. We all inhabit this fascinating place. But its deep logic, its cultural potential, and its societal impact often elude us. In this deep and thoughtful book, Virginia Heffernan presents an original and far-reaching analysis of what the Internet is and does. Life online, in the highly visual, social, portable, and global incarnation rewards certain virtues. The new medium favors speed, accuracy, wit, prolificacy, and versatility, and its form and functions are changing how we perceive, experience, and understand the world.

Crucibles Bernard Jaffe 2012-07-12 Classic popular account of the great chemists Trevisan, Paracelsus, Avogadro, Mendeléeff, the Curies, Thomson, Lavoisier, and others, up to A-bomb research and recent work with subatomic particles. 20 illustrations.

She Came From Beyond! Nadine Darling 2015-10-01 Easy Hardwick has it made. At just about thirty, she's got a tumbledown cottage in small-town Oregon and an uncomplicated acting gig as the space-babe eye candy on a sci-fi parody show. She spends her downtime online, bickering with fans and fellow culture vultures about film trivia and relishing her minor-but-satisfying celebrity. Enter Harrison. What begins as a jocular online flirtation spills into a messy IRL affair, and Easy finds herself pregnant with twins and sharing her home with the love of her life...plus the teenage daughter, baby son, and slightly unhinged, soon-to-be-ex wife she kind of didn't totally know he had. Easy may play a space ditz in hot-pants on TV, but her voice is restlessly intelligent, negotiating the absurdities of a world lived onscreen and online and striving to make sense of heady problems: love affairs, ex-wives, teen girls, eating disorders, and whether cannibalistic flies count as zombies. Like the captive great white shark that sets Easy's story in motion, Nadine Darling's writing has got teeth. Her pointed, precise dialogue, empathetic insights, and live-wire observations elevate this novel from zany domestic drama to outlandish comic masterpiece.

Evidence of Love John Bloom 2016-12-20 The "fascinating" true story behind the HBO Max and Hulu series about Texas housewife Candy Montgomery and the bizarre murder that shocked a community (Los Angeles Times Book Review). Candy Montgomery and Betty Gore had a lot in common: They sang together in the Methodist church choir, their daughters were best friends, and their husbands had good jobs working for technology companies in the north Dallas suburbs known as Silicon Prairie. But beneath the placid surface of their seemingly perfect lives, both women simmered with unspoken frustrations and unanswered desires. On a hot summer day in 1980, the secret passions and jealousies that linked Candy and Betty exploded into murderous rage. What happened next is usually the stuff of fiction. But the bizarre and terrible act of violence that occurred in Betty's utility room that morning was all too real. Based on exclusive interviews with the Gore and Montgomery families, Edgar Award finalist Evidence of Love is the "superbly written" account of a gruesome tragedy and the trial that made national headlines when the defendant entered the most unexpected of pleas: not guilty by reason of self-defense (Fort Worth Star-Telegram). Adapted into the Emmy and Golden Globe Award-winning television movie A Killing in a Small Town—as well as the new limited series Candy on Hulu and Love and Death on HBO Max—this chilling tale of sin and savagery will "fascinate true crime aficionados" (Kirkus Reviews).

The Varieties of Scientific Experience Carl Sagan 2006-11-02 "Ann Druyan has unearthed a treasure. It is a treasure of reason, compassion, and scientific awe. It should be the next book you read." —Sam Harris, author of The End of Faith "A stunningly valuable legacy left to all of us by a great human being. I miss him so." —Kurt Vonnegut Carl Sagan's prophetic vision of the tragic resurgence of fundamentalism and the hope-filled potential of the next great development in human spirituality The late great astronomer and astrophysicist describes his personal search to understand the nature of the sacred in the vastness of the cosmos. Exhibiting a breadth of intellect nothing short of astounding, Sagan presents his views on a wide range of topics, including the likelihood of intelligent life on other planets, creationism and so-called intelligent design, and a new concept of science as "informed worship." Originally presented at the centennial celebration of the famous Gifford Lectures in Scotland in 1985 but never published, this book offers a unique encounter with one of the most remarkable minds of the twentieth century.

Cutting the Cord Martin Cooper 2021-01-05 One of Time Magazine's Top 100 Inventors in History shares an insider's story of the cellphone, how it changed the world—and a view of where it's headed. While at Motorola in the 1970s, wireless communications pioneer Martin Cooper invented the first handheld mobile phone. But the cellphone as we know it today almost didn't happen. Now, in Cutting the Cord, Cooper takes readers inside the stunning breakthroughs, devastating failures, and political battles in the quest to revolutionize—and control—how people communicate. It's a dramatic tale involving brilliant engineers, government regulators, lobbyists, police, quartz crystals, and a horse. Industry skirmishes sparked a political war in Washington to prevent a monopolistic company from dominating telecommunications. The drama culminated in the first-ever public call made on a handheld, portable telephone—by Cooper himself. The story of the cell phone has much to teach about innovation,

strategy, and management. But the story of wireless communications is far from finished. This book also relates Cooper's vision of the future. From the way we work and the way children learn to the ways we approach medicine and healthcare, advances in the cellphone will continue to reshape our world for the better.

**Afterglow Eileen Myles 2017-09-12** "A ravishingly strange and gorgeous book about a dog that's really about life and everything there is...astounding." -Helen Macdonald, *New York Times*-bestselling author of *H Is for Hawk* In 1990, poet Eileen Myles chose Rosie from a litter of pit bulls on the street, and their connection instantly became central to the writer's life and work. During the course of their sixteen years together, Myles was madly devoted to the dog's well-being, especially in her final days. Starting from the emptiness following Rosie's death, *Afterglow* launches a heartfelt and fabulist investigation into the true nature of the bond between pet and pet owner. Through this lens, we witness Myles's experiences with intimacy and spirituality, celebrity and politics, alcoholism and recovery, fathers and family history, as well as the fantastical myths we spin to get to the heart of grief. Moving from an imaginary talk show where Rosie is interviewed by Myles's childhood puppet to a critical reenactment of the night Rosie mated with another pit bull, from lyrical transcriptions of their walks to Rosie's enlightened narration from the afterlife, *Afterglow* illuminates all that it can mean when we dedicate our existence to a dog. "Myles gets at something no other dog book I've read has gotten at quite this distinctly: The sense of wordless connection and spiritual expansion you feel when you love and are loved by a creature who's not human...raw and affecting." -Maureen Corrigan, *Fresh Air*, NPR

**The Disappearing Spoon Sam Kean 2010-07-12** From *New York Times* bestselling author Sam Kean comes incredible stories of science, history, finance, mythology, the arts, medicine, and more, as told by the *Periodic Table*. Why did Gandhi hate iodine (I, 53)? How did radium (Ra, 88) nearly ruin Marie Curie's reputation? And why is gallium (Ga, 31) the go-to element for laboratory pranksters? The *Periodic Table* is a crowning scientific achievement, but it's also a treasure trove of adventure, betrayal, and obsession. These fascinating tales follow every element on the table as they play out their parts in human history, and in the lives of the (frequently) mad scientists who discovered them. **THE DISAPPEARING SPOON** masterfully fuses science with the classic lore of invention, investigation, and discovery--from the Big Bang through the end of time. \*Though solid at room temperature, gallium is a moldable metal that melts at 84 degrees Fahrenheit. A classic science prank is to mold gallium spoons, serve them with tea, and watch guests recoil as their utensils disappear.

**The Earth Is Weeping Peter Cozzens 2018-03**

**The Next 500 Years Christopher E. Mason 2021-04-20** An argument that we have a moral duty to colonize other planets and solar systems, and a plan for doing so. Inevitably, life on Earth will come to an end, whether by climate disaster, or by cataclysmic war, or when the sun runs out of fuel in a few billion years. To avoid extinction, will we have to find a new home planet, perhaps even a new solar system, to inhabit? In this provocative and fascinating book, Christopher Mason argues that we have a moral duty to do just that. Because we are the only species aware that life on Earth has an expiration date, we have a responsibility to act as the shepherd of lifeforms--not only for our species but for all species on which we depend and for those still to come (by accidental or designed evolution). Mason argues that the same capacity for ingenuity that has enabled us to build rockets and land on other planets can be applied to redesigning biology so that we can sustainably inhabit those planets. And he lays out a 500-year plan for undertaking the massively ambitious project of reengineering human genetics for life in other worlds.

**Sophie's World Jostein Gaarder 2007-03-20** One day Sophie comes home from school to find two questions in her mail: "Who are you?" and "Where does the world come from?" Before she knows it she is enrolled in a correspondence course with a mysterious philosopher. Thus begins Jostein Gaarder's unique novel, which is not only a mystery, but also a complete and entertaining history of philosophy.

**Hue 1968 Mark Bowden 2017-06-06** *New York Times* Bestseller A *Los Angeles Times* Book Prize Finalist in History Winner of the 2018 Marine Corps Heritage Foundation Greene Award for a distinguished work of nonfiction "An extraordinary feat of journalism . . . full of emotion and color." -Karl Marlantes, *Wall Street Journal* The first battle book from Mark Bowden since his #1 *New York Times* bestseller *Black Hawk Down*, *Hue 1968* is the story of the centerpiece of the Tet Offensive and a turning point in the American War in Vietnam. In the early hours of January 31, 1968, the North Vietnamese launched over one hundred attacks across South Vietnam in what would become known as the Tet Offensive. The lynchpin of Tet was the capture of Hue, Vietnam's intellectual and cultural capital, by 10,000 National Liberation Front troops who descended from hidden camps and surged across the city of 140,000. Within hours the entire city was in their hands save for two small military outposts. American commanders refused to believe the size and scope of the Front's presence, ordering small companies of marines against thousands of entrenched enemy troops. After several futile and deadly days, Lieutenant Colonel Ernie Cheatham would finally come up with a strategy to retake the city, block by block and building by building, in some of the most intense urban combat since World War II. With unprecedented access to war archives in the U.S. and Vietnam and interviews with participants from both sides, Bowden narrates each stage of this crucial battle through multiple viewpoints. Played out over 24 days and ultimately costing 10,000 lives, the Battle of Hue was by far the bloodiest of the entire war. When it ended, the American debate was never again about winning, only about how to leave. *Hue 1968* is a gripping and moving account of this pivotal moment.

**This Boy's Life Tobias Wolff 2007-12-01** This unforgettable memoir, by one of our most gifted writers, introduces us to the young Toby Wolff, by turns tough and vulnerable, crafty and bumbling, and ultimately winning. Separated by divorce from his father and brother, Toby and his mother are constantly on the move, yet they develop an extraordinarily close, almost telepathic relationship. As Toby fights for identity and self-respect against the unrelenting hostility of a new stepfather, his experiences are at once poignant and comical, and Wolff does a masterful job of re-creating the frustrations and cruelties of adolescence. His various schemes - running away to Alaska, forging checks, and stealing cars - lead eventually to an act of outrageous self-invention that releases him into a new world of possibility.

**See What I Have Done Sarah Schmidt 2017-08-01** "One of America's most notorious murder cases inspires this feverish debut" novel that goes inside the mind of Lizzie Borden (*The Guardian*). On the morning of August 4, 1892, Lizzie Borden calls out to her maid: "Someone's killed Father. The brutal ax-murder of Andrew and Abby Borden in their home in Fall River, Massachusetts, leaves little evidence and many unanswered questions. In this riveting debut novel, Sarah Schmidt reimagines the day of the infamous murders as an intimate story of a family devoid of love. While neighbors struggle to understand why anyone would want to harm the respected Borden, those close to the family have a different tale to tell--of a father with an explosive temper, a spiteful stepmother, and two spinster sisters desperate for their independence. As the police search for clues, Lizzie's memories of that morning flash in scattered fragments. Had she been in the barn or the pear arbor to escape the stifling heat of the house? When did she last speak to her stepmother? Were they really gone and would everything be better now? Shifting among the perspectives of the unreliable Lizzie, her older sister Emma, the housemaid Bridget, and the enigmatic stranger Benjamin, the events of that fateful day are slowly revealed through a high-wire feat of storytelling.

**European-Russian Space Cooperation Brian Harvey 2021-04-10** The story of European-Russian collaboration in space is little known and its importance all too often understated. Because France was the principal interlocutor between these nations, such cooperation did not receive the attention it deserved in English-language literature. This book rectifies that history, showing how Russia and Europe forged a successful partnership that has continued to the present day. Space writer Brian Harvey provides an in-depth picture of how this European-Russian relationship evolved and what factors--scientific, political and industrial--propelled it over the decades. The history begins in the cold war period with the first collaborative ventures between the Soviet Union and European countries, primarily France, followed later by Germany and other European countries. Next, the chapters turn to the missions when European astronauts flew to Russian space stations, the Soyuz rocket made a new home in European territory in the South American jungle and science missions were flown to study deep space. Their climax is the joint mission to explore Mars, called ExoMars, which has already sent a mission to Mars. Through this close examination of these European-Russian efforts, readers will appreciate an altogether new perspective on the history of space exploration, no longer defined by competition, but rather by collaboration and cooperation.

**Train to Pakistan Khushwant Singh 2016-02-01** Mano Majra is a place, Khushwant Singh tells us at the beginning of this classic novel, where Sikhs and Muslims have lived together in peace for hundreds of years. Then one day, at the end of the summer, the 'ghost train' arrives, a silent, incredible funeral train loaded with the bodies of thousands of refugees, bringing the village its first taste of the horrors of the civil war. *Train to Pakistan* is the story of this isolated village that is plunged into the abyss of religious hate. It is also the story of a Sikh boy and a Muslim girl whose love endures and transcends the ravages of war.

**Comets in the 21st Century Daniel C Boice 2019-04-25** Have you ever seen a comet? It is a marvelous experience, one that all humans can share, that spawns a deep yearning to understand the spectacle. Have you ever wondered what comets are and why astronomers spend so much time studying them? Now, a comet expert and an astronomical historian have come together to produce the unique book that you now hold in your hands. Using their several decades of teaching experience, the authors have concisely presented the information you need to comprehend these majestic apparitions that grace our night skies. No mathematical proficiency is needed, in fact, this book doesn't contain a single equation! Comets are cosmic Rosetta stones, bridging our current knowledge by digging back to the earliest days of our Solar Systems. How did life arise on Earth? Did comets play a significant role in bringing water and the necessary organic matter to our early Earth? How about the dinosaurs? Were they driven to extinction by a cometary impact 66 million years ago? Comets may be both the enablers and destroyers of life on Earth as we know it. These are some of the tantalizing questions discussed here. If you so desire, steps are given to join the ranks of amateur comet hunters. Astronomy is one of the last sciences where amateurs play a significant role. Your reward for discovery? A comet officially bearing your name in the history books! The next Great Comet is on its way, we just do not know when it will arrive. Armed with this book, you will be ready to enjoy this unforgettable event.

**Rare Earth Peter D. Ward 2007-05-08** 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 companionship.

**The Idea Factory Jon Gertner 2013-02-26** The definitive history of America's greatest incubator of innovation and the birthplace of some of the 20th century's most influential technologies "Filled with colorful characters and inspiring lessons . . . The Idea Factory explores one of the most critical issues of our time: What causes innovation?" -Walter Isaacson, *The New York Times* Book Review "Compelling . . . Gertner's book offers fascinating evidence for those seeking to understand how a society should best invest its research resources." -*The Wall Street Journal* From its beginnings in the 1920s until its demise in the 1980s, Bell Labs--officially, the research and development wing of AT&T--was the biggest, and arguably the best, laboratory for new ideas in the world. From the transistor to the laser, from digital communications to cellular telephony, it's hard to find an aspect of modern life that hasn't been touched by Bell Labs. In *The Idea Factory*, Jon Gertner traces the origins of some of the twentieth century's most important inventions and delivers a riveting and heretofore untold chapter of American history. At its heart this is a story about the life and work of a small group of brilliant and eccentric men--Mervin Kelly, Bill Shockley, Claude Shannon, John Pierce, and Bill Baker--who spent their careers at Bell Labs. Today, when the drive to invent has become a mantra, Bell Labs offers us a way to enrich our understanding of the challenges and solutions to technological innovation. Here, after all, was where the foundational ideas on the management of innovation were born.

**The Borrowed Chan Ho-Kei 2017-01-03** A legendary detective uncovers Hong Kong's darkest crimes: "An ambitious narrative brilliantly executed . . . What an achievement!" (John Burdett, author of *Bangkok 8*). From award-winning author Chan Ho-kei, *The Borrowed* tells the story of Kwan Chun-dok, a detective who's worked in Hong Kong fifty years. Across six decades of Hong Kong's volatile history, the narrative follows Kwan through the Leftist Riot of 1967, when a bombing plot threatens many lives; the conflict between the HK Police and ICAC (Independent Commission Against Corruption) in 1977; the Tiananmen Square Massacre in 1989; the Handover in 1997; and the present day of 2013, when Kwan is called on to solve his final case, the murder of a local billionaire, in a modern Hong Kong that increasingly resembles a police state. Along the way we meet Communist rioters, ultra-violent gangsters, pop singers enmeshed in the high-stakes machinery of star-making, and a people always caught in the shifting balance of political power, whether in London or Beijing. *The Borrowed* reveals just how closely everything is connected, how history repeats itself, and how we have come full circle to repeat the political upheaval and societal unrest of the past. It is a gripping, brilliantly constructed novel from a talented new voice.

**Rocket and Spacecraft Propulsion Martin J. L. Turner 2006-08-29** The revised edition of this practical, hands-on book discusses the launch vehicles in use today throughout the world, and includes the latest details on advanced systems being developed, such as electric and nuclear propulsion. The author covers the fundamentals, from the basic principles of rocket propulsion and vehicle dynamics through the theory and practice of liquid and solid propellant motors, to new and future developments. He provides a serious exposition of the principles and practice of rocket propulsion, from the point of view of the user who is not an engineering specialist.

**Insidious Intent Val McDermid 2017-08-24** "One of the most surprising twists you'll read this year. Outstanding" Irish Independent "Engrossing . . . a colossal reminder of just why McDermid has been the queen of crime for three decades" Heat "Murdered people don't kill themselves . . ." A quiet night on a country road. The stillness shattered by a car engulfed in flames, and a burned body discovered in the driver's seat. As the investigation unfolds, DCI Carol Jordan and psychological profiler Tony Hill quickly realise that this is more than just a tragic accident. And so begins the hunt for a truly terrifying killer, someone who believes he is

invisible, untraceable and untouchable. As other victims are found to have met the same terrible fate, and with more women at risk, Tony and Carol are drawn into a dark and twisted web of fear and revenge that will force them to question their own ideas of justice . . . A pulse-pounding mystery from the number one bestseller. If you enjoyed *Insidious Intent*, don't miss the first in a new series from the Queen of Crime. 1979 is out now, introducing the unforgettable Allie Burns.

Praise for Queen of Crime Val McDermid: 'It grabs the reader by the throat and never lets go' Daily Mail 'So gripping it puts your life on hold' *The Times* 'As good a psychological thriller as it is possible to get' Sunday Express 'One of today's most accomplished crime writers' Literary Review 'McDermid remains unrivalled' Observer 'No one can tell a story like she can' Daily Express

The Retreat of Western Liberalism Edward Luce 2017-06-13 An "insightful and harrowing" analysis of the state of Western-style democracy by the Financial Times columnist and author of *Time to Start Thinking* (The New York Times). In his widely acclaimed book *Time to Start Thinking*, Financial Times columnist Edward Luce charted the course of America's economic and geopolitical decline, proving to be a prescient voice on the state of the nation. In *The Retreat of Western Liberalism*, Luce makes a larger statement about the weakening of western hegemony and the crisis of democratic liberalism—of which Donald Trump and his European counterparts are not the cause, but a symptom. Luce argues that we are on a menacing trajectory brought about by ignorance of what it took to build the West, arrogance toward society's economic losers, and complacency about our system's durability—attitudes that have been emerging since the fall of the Berlin Wall. Unless the West can rekindle an economy that produces gains for the majority of its people, its political liberties may be doomed. Combining on-the-ground reporting with economic analysis, Luce offers a detailed projection of the consequences of the Trump administration and a forward-thinking analysis of what those who believe in enlightenment values must do to protect them.

Eccentric Orbits John Bloom 2016-06-07 "Good corporate drama . . . an enlightening narrative of how new communications infrastructures often come about."—The Economist, "A Book of the Year 2016" In the early 1990s, Motorola developed a revolutionary satellite system called Iridium that promised to be its crowning achievement. Its constellation of 66 satellites in polar orbit was a mind-boggling technical accomplishment, surely the future of communication. The only problem was that Iridium the company was a commercial disaster. Only months after launching service, it was \$11 billion in debt, burning through \$100 million a month and crippled by baroque rate plans and agreements that forced calls through Moscow, Beijing, Fucino, Italy, and elsewhere. Bankruptcy was inevitable—the largest to that point in American history. And when no real buyers seemed to materialize, it looked like Iridium would go down as just a "science experiment." That is, until Dan Colussy got a wild idea. Colussy, a former head of Pan-Am now retired and working on his golf game in Palm Beach, heard about Motorola's plans to "de-orbit" the system and decided he would buy Iridium and somehow turn around one of the biggest blunders in the history of business. Impeccably researched and wonderfully told, *Eccentric Orbits* is a rollicking, unforgettable tale of technological achievement, business failure, the military-industrial complex, and one of the greatest deals of all time. "Deep reporting put forward with epic intentions . . . a story that soars and jumps and dives and digresses . . . [A] big, gutsy, exciting book."—The Wall Street Journal, "A Top 10 Nonfiction Book of 2016" "Spellbinding . . . A tireless researcher, Bloom delivers a superlative history . . . A tour de force."—Kirkus Reviews (starred review)

Eccentric Orbits John Bloom 2016-06-14 In the early 1990s, Motorola, the legendary American company, made a huge gamble on a revolutionary satellite telephone system called Iridium. Light-years ahead of anything previously put into space, and built on technology developed for Ronald Reagan's 'Star Wars,' Iridium's constellation of sixty-six satellites in six evenly spaced orbital planes meant that at least one satellite was always overhead. Iridium was a mind-boggling technical accomplishment, surely the future of communication. The only problem was that Iridium was also a commercial disaster. Only months after launching service, it was \$11 billion in debt, burning through \$100 million a month and bringing in almost no revenue. Bankruptcy was inevitable - the largest to that point in American history. It looked like Iridium would go down as just a 'science experiment.' That is, until Dan Colussy got a wild idea. Colussy, a former CEO of Pan Am, heard about Motorola's plans to 'de-orbit' the system and decided he would buy Iridium and somehow turn around one of the biggest blunders in the history of business. *Eccentric Orbits* masterfully traces the birth of Iridium and Colussy's tireless efforts to stop it from being destroyed, from meetings with his motley investor group, to the Clinton White House, to the Pentagon, to the hunt for customers in special ops, shipping, aviation, mining, search and rescue. Impeccably researched and wonderfully told, *Eccentric Orbits* is a rollicking, unforgettable tale of technological achievement, business failure, the military-industrial complex and one of the greatest deals of all time.

War Dogs Guy Lawson 2016-07-26 Previously published as *Arms and the Dudes*.

The Black Star Passes John Campbell 2011-01-24 The arrival of an unseen dark sun whose attendant marauders aimed at the very end of civilization in this Solar System....

Blasphemy Sherman Alexie 2012-10-02 Sherman Alexie's stature as a writer of stories, poems, and novels has soared over the course of his twenty-book, twenty-year career. His wide-ranging, acclaimed stories from the last two decades have established him as a star in contemporary American literature. A bold and irreverent observer of life among Native Americans in the Pacific Northwest, the daring, versatile, funny, and outrageous Alexie showcases all his talents in *Blasphemy*, where he unites twelve beloved classics with twelve new stories in one sweeping anthology for devoted fans and first-time readers. Included here are some of his most esteemed tales, including "What You Pawn I Will Redeem," "This is What it Means to Say Phoenix, Arizona," "The Toughest Indian in the World," and his most recent, "War Dances." Alexie's twelve new stories are fresh and quintessential, about amateur and donkey basketball leagues, extreme hoarding, lethal wind turbines, marriage, and all species of contemporary warriors in America today. An indispensable collection of new and classic stories, *Blasphemy* reminds us, on every thrilling page, why Sherman Alexie is one of our greatest contemporary writers and a true master of the short story.

The Book of Audacity Carla Schroder 2011-03-15 *The Book of Audacity* is the definitive guide to Audacity, the powerful, free, cross-platform audio editor. Audacity allows anyone to transform their Windows, Mac, or Linux computer into a powerful recording studio. *The Book of Audacity* is the perfect book for bands on a budget, solo artists, audiophiles, and anyone who wants to learn more about digital audio. Musician and podcaster Carla Schroder will guide you through a range of fun and useful Audacity projects that will demystify that geeky audio jargon and show you how to get the most from Audacity. You'll learn how to: Record podcasts, interviews, and live performances -Be your own backing band or chorus -Edit, splice, mix, and master multitrack recordings -Create super high-fidelity and surround-sound recordings -Digitize your vinyl or tape collection and clean up noise, hisses, and clicks -Create custom ringtones and sweet special effects In addition, you'll learn how to choose and use digital audio hardware like mics and preamps, and tune your computer for flawless audio performance. You'll also find out how to package your work for digital distribution, whether you want to share a podcast through iTunes or sell your own CDs. Become your own producer with *The Book of Audacity*. The fun starts now. Happiness Darrin M. McMahon 2006 *Happiness: A History* draws on a multitude of sources, including art and architecture, poetry and scripture, music and theology, and literature and myth, to offer a sweeping history of man's most elusive yet coveted goal. Ranging from psychology to genetics to the invention of the "smiley face," McMahon follows the great pursuit of happiness through to the present day, showing how our modern search continues to generate new forms of pleasure, but also new forms of pain. Reprint.

Introduction to Astronomy and Cosmology Ian Morison 2013-03-18 *Introduction to Astronomy & Cosmology* is a modern undergraduate textbook, combining both the theory behind astronomy with the very latest developments. Written for science students, this book takes a carefully developed scientific approach to this dynamic subject. Every major concept is accompanied by a worked example with end of chapter problems to improve understanding Includes coverage of the very latest developments such as double pulsars and the dark galaxy. Beautifully illustrated in full colour throughout Supplementary web site with many additional full colour images, content, and latest developments.

Inside Job Stephen Pizzo 2015-09-29 *New York Times* Bestseller: A history of the S&L scandal that caused a financial disaster for American taxpayers: "Hard to put down" (Library Journal). For most of the 20th century, savings and loans were an invaluable thread of the American economy. But in the 1970s, Congress passed sweeping financial deregulation at the insistence of industry insiders that allowed these once quaint and useful institutions to spread their taxpayer-insured assets into new and risky investments. The looser regulations and reduced federal oversight also opened the industry to an army of shady characters, white-collar criminals, and organized crime groups. Less than 10 years later, half the nation's savings and loans were insolvent, leaving the American taxpayer on the hook for a large hunk of the nearly half a trillion dollars that had gone missing. The authors of *Inside Job* saw signs of danger long before the scandal hit nationwide. Decades after the savings and loan collapse, *Inside Job* remains a thrilling read and a sobering reminder that our financial institutions are more fragile than they appear.

Bandit Motly Brodak 2016-10-06 "Raw, poetic and compulsively readable . . . I can't wait to buy a copy for everyone I know." Kathryn Stockett, author of *The Help* The summer she turned thirteen, Motly Brodak's father was arrested for robbing eleven banks. In time, the image she held of him would unravel further, as more and more unexpected facets of his personality came to light. *Bandit* is her attempt to discover what, exactly, is left, when the most fundamental relationship of your life turns out to have been built on falsehoods. It is also a scrupulously honest account of learning how to trust again, and to rebuild the very idea of family from scratch. Refusing to fence off the trickier sides of her father's character, Brodak tries to find, through crystalline, spellbinding prose, a version of him that does not rely on the easy answers but allows him to be: an unknowable and incomprehensible whole - who is also her father. Unforgettable, moving, and utterly relatable, *Bandit* is a story of the unpredictable complexity of family.