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Biography Of
A Dangerous
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Zero

The Biography of a Dangerous Idea *Penguin*

Popular math at its

most entertaining and enlightening. "Zero is really something"-Washington Post A New York Times Notable Book. The Babylonians invented it, the Greeks banned it, the Hindus worshiped it, and the Church used it to fend off heretics. Now it threatens the foundations of modern physics. For centuries the power of zero savored of the demonic; once harnessed, it became the most important tool in mathematics. For zero, infinity's twin, is not like other numbers. It is both nothing and everything. In *Zero*, Science Journalist Charles Seife follows this innocent-looking number from its birth as an Eastern philosophical concept to its struggle for

acceptance in Europe, its rise and transcendence in the West, and its ever-present threat to modern physics. Here are the legendary thinkers—from Pythagoras to Newton to Heisenberg, from the Kabbalists to today's astrophysicists—who have tried to understand it and whose clashes shook the foundations of philosophy, science, mathematics, and religion. Zero has pitted East against West and faith against reason, and its intransigence persists in the dark core of a black hole and the brilliant flash of the Big Bang. Today, zero lies at the heart of one of the biggest scientific controversies of all time: the quest for a theory of everything.

Zero

The Biography of a Dangerous Idea

Souvenir Press

A NEW YORK TIMES

NOTABLE BOOK The

Babylonians invented

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brilliant flash of the Big

Bang. Today, zero lies

at the heart of one of

the biggest scientific

controversies of all

time: the quest for a

theory of everything.

Within the concept of

zero lies a

philosophical and

scientific history of

humanity. Charles

Seife's elegant and

witty account takes us

from Aristotle to

superstring theory by

way of Egyptian

geometry, Kabbalism,

Einstein, the

Chandrasekhar limit

and Stephen Hawking.

Covering centuries of

thought, it is a concise

tour of a world of

ideas, bound up in the

simple notion of

nothing.

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controversies of all time: the quest for a theory of everything.

The Nothing that is

A Natural History of Zero *Oxford University Press on Demand*

The value of nothing is explored in rich detail as the author reaches back as far as the ancient Sumerians to find evidence that humans have long struggled with the concept of zero, from the Greeks who may or may not have known of it, to the East where it was first used, to the modern-day desktop PC, which uses it as an essential letter in its computational alphabet.

Finding Zero

A Mathematician's Odyssey to Uncover

the Origins of Numbers *St. Martin's Press*

The invention of numerals is perhaps the greatest abstraction the human mind has ever created. Virtually everything in our lives is digital, numerical, or quantified. The story of how and where we got these numerals, which we so depend on, has for thousands of years been shrouded in mystery. Finding Zero is an adventure filled saga of Amir Aczel's lifelong obsession: to find the original sources of our numerals. Aczel has doggedly crisscrossed the ancient world, scouring dusty, moldy texts, cross examining so-called scholars who offered wildly differing sets of facts, and ultimately penetrating

deep into a Cambodian jungle to find a definitive proof. Here, he takes the reader along for the ride. The history begins with the early Babylonian cuneiform numbers, followed by the later Greek and Roman letter numerals. Then Aczel asks the key question: where do the numbers we use today, the so-called Hindu-Arabic numerals, come from? It is this search that leads him to explore uncharted territory, to go on a grand quest into India, Thailand, Laos, Vietnam, and ultimately into the wilds of Cambodia. There he is blown away to find the earliest zero—the keystone of our entire system of numbers—on a crumbling, vine-covered wall of a

seventh-century temple adorned with eaten-away erotic sculptures. While on this odyssey, Aczel meets a host of fascinating characters: academics in search of truth, jungle trekkers looking for adventure, surprisingly honest politicians, shameless smugglers, and treacherous archaeological thieves—who finally reveal where our numbers come from.

Starting At Zero

His Own Story *Bloomsbury Publishing USA*

Weaves together the rock artist's own words from interviews, lyrics, and scraps of miscellaneous writings to form a continuous narrative of Hendrix's life from birth to his

final four years.

Year Zero

A History of 1945

Penguin

A marvelous global history of the pivotal year 1945 as a new world emerged from the ruins of World War II. Year Zero is a landmark reckoning with the great drama that ensued after war came to an end in 1945. One world had ended and a new, uncertain one was beginning. Regime change had come on a global scale: across Asia (including China, Korea, Indochina, and the Philippines, and of course Japan) and all of continental Europe. Out of the often vicious power struggles that ensued emerged the modern world as we know it. In human

terms, the scale of transformation is almost impossible to imagine. Great cities around the world lay in ruins, their populations decimated, displaced, starving. Harsh revenge was meted out on a wide scale, and the ground was laid for much horror to come. At the same time, in the wake of unspeakable loss, the euphoria of the liberated was extraordinary, and the revelry unprecedented. The postwar years gave rise to the European welfare state, the United Nations, decolonization, Japanese pacifism, and the European Union. Social, cultural, and political "reeducation" was imposed on vanquished by victors on a scale that also

had no historical precedent. Much that was done was ill advised, but in hindsight, as Ian Buruma shows us, these efforts were in fact relatively enlightened, humane, and effective. A poignant grace note throughout this history is Buruma's own father's story. Seized by the Nazis during the occupation of Holland, he spent much of the war in Berlin as a laborer, and by war's end was literally hiding in the rubble of a flattened city, having barely managed to survive starvation rations, Allied bombing, and Soviet shock troops when the end came. His journey home and attempted reentry into "normalcy" stand in many ways for his

generation's experience. A work of enormous range and stirring human drama, conjuring both the Asian and European theaters with equal fluency, *Year Zero* is a book that Ian Buruma is perhaps uniquely positioned to write. It is surely his masterpiece.

Zero History *Penguin*

Hollis Henry never intended to work for global marketing magnate Hubertus Bigend again. But now she's broke, and Bigend has just the thing to get her back in the game... Milgrim can disappear in almost any setting, and his Russian is perfectly idiomatic—so much so that he spoke it with his therapist in the secret Swiss clinic where Bigend paid for him to be cured of his

addiction... Garreth doesn't owe Bigend a thing. But he does have friends from whom he can call in the kinds of favors powerful people need when things go sideways... They all have something Bigend wants as he finds himself outmaneuvered and adrift, after a Department of Defense contract for combat-wear turns out to be the gateway drug for arms dealers so shadowy they can out-Bigend Bigend himself. "Zero History is [Gibson's] best yet, a triumph of science fiction as social criticism and adventure."—BoingBoing.net

Zero to One

Notes on Startups,

or How to Build the Future Currency

#1 NEW YORK TIMES BESTSELLER • "This book delivers completely new and refreshing ideas on how to create value in the world."—Mark Zuckerberg, CEO of Meta "Peter Thiel has built multiple breakthrough companies, and Zero to One shows how."—Elon Musk, CEO of SpaceX and Tesla The great secret of our time is that there are still uncharted frontiers to explore and new inventions to create. In Zero to One, legendary entrepreneur and investor Peter Thiel shows how we can find singular ways to create those new things. Thiel begins with the contrarian premise that we live in an age of technological

stagnation, even if we're too distracted by shiny mobile devices to notice. Information technology has improved rapidly, but there is no reason why progress should be limited to computers or Silicon Valley. Progress can be achieved in any industry or area of business. It comes from the most important skill that every leader must master: learning to think for yourself. Doing what someone else already knows how to do takes the world from 1 to n, adding more of something familiar. But when you do something new, you go from 0 to 1. The next Bill Gates will not build an operating system. The next Larry Page or Sergey Brin won't make a search engine.

Tomorrow's champions will not win by competing ruthlessly in today's marketplace. They will escape competition altogether, because their businesses will be unique. Zero to One presents at once an optimistic view of the future of progress in America and a new way of thinking about innovation: it starts by learning to ask the questions that lead you to find value in unexpected places.

Department Zero *Pyr*
THE END OF THE
UNIVERSE IS ONLY A
HOP, SKIP, AND SLIGHT
STUMBLE-THROUGH-A-
WORMHOLE AWAY
Harry Priest just wants
to make sure his ex-
wife doesn't take away
his visitation rights,
and his dead-end job
cleaning up crime

scenes for the past ten years isn't doing him any favors. But when Harry attends what he thinks is a routine death, he stumbles onto a secret multiverse of alternate realities all reachable through universe-hopping gates. Policing these worlds is Havelock Graves, the Interstitial Crime Department's top agent for ten years running (according to him). When Harry accidentally messes with the ICD crime scene, Graves and his team are demoted as low as they can go: Department Zero. They're recruiting Harry too—not because he charmed them, but because he just might hold the key to saving the universe . . . and getting their old jobs back. To do this,

Graves and his team set out to solve the crime that lost them their jobs. A crime that involves a cult planning to hunt down and steal the fabled Spear of Destiny in order to free the Great Old One Cthulhu from his endless sleep in the Dreamlands. (Because that's another thing Harry soon finds out. Everything H. P. Lovecraft wrote is true. Like, everything.) The team will have to fight its way through realities filled with Martian technology and evade mad priests (Harry's favorite kind) in a realm of floating landmasses where magic really exists. And Harry has to do it all in time to say good night to his daughter. From the Trade Paperback edition.

Zero Mostel

A Biography *Scribner*

Chronicles the life and career of the actor best known for his role on Broadway as Tevye in "Fiddler on the Roof," revealing his talents as a painter and his experiences under McCarthyism

Prime Obsession

Bernhard Riemann and the Greatest Unsolved Problem in Mathematics *Joseph*

Henry Press

In August 1859 Bernhard Riemann, a little-known 32-year old mathematician, presented a paper to the Berlin Academy titled: "On the Number of Prime Numbers Less Than a Given Quantity." In the middle of that paper, Riemann made an

incidental remark "a guess, a hypothesis. What he tossed out to the assembled mathematicians that day has proven to be almost cruelly compelling to countless scholars in the ensuing years. Today, after 150 years of careful research and exhaustive study, the question remains. Is the hypothesis true or false? Riemann's basic inquiry, the primary topic of his paper, concerned a straightforward but nevertheless important matter of arithmetic "defining a precise formula to track and identify the occurrence of prime numbers. But it is that incidental remark "the Riemann Hypothesis" that is the truly astonishing legacy of his 1859 paper.

Because Riemann was able to see beyond the pattern of the primes to discern traces of something mysterious and mathematically elegant shrouded in the shadows – subtle variations in the distribution of those prime numbers. Brilliant for its clarity, astounding for its potential consequences, the Hypothesis took on enormous importance in mathematics. Indeed, the successful solution to this puzzle would herald a revolution in prime number theory. Proving or disproving it became the greatest challenge of the age. It has become clear that the Riemann Hypothesis, whose resolution seems to hang tantalizingly just beyond our grasp, holds the key to a variety of scientific and mathematical investigations. The making and breaking of modern codes, which depend on the properties of the prime numbers, have roots in the Hypothesis. In a series of extraordinary developments during the 1970s, it emerged that even the physics of the atomic nucleus is connected in ways not yet fully understood to this strange conundrum. Hunting down the solution to the Riemann Hypothesis has become an obsession for many – the veritable "great white whale" of mathematical research. Yet despite determined efforts by generations of mathematicians, the Riemann Hypothesis

defies resolution. Alternating passages of extraordinarily lucid mathematical exposition with chapters of elegantly composed biography and history, *Prime Obsession* is a fascinating and fluent account of an epic mathematical mystery that continues to challenge and excite the world. Posited a century and a half ago, the Riemann Hypothesis is an intellectual feast for the cognoscenti and the curious alike. Not just a story of numbers and calculations, *Prime Obsession* is the engrossing tale of a relentless hunt for an elusive proof "and those who have been consumed by it.

Zero to Sixty

The Motorcycle Journey of a Lifetime

Houghton Mifflin Harcourt

The author describes his motorcycle journey through Minnesota to the Alaskan Highway, recalling the events in his life that have made him the man he is today and other challenges he has faced on the road of life. Originally titled: *Pilgrimage on a Steel Ride*. Reprint. 20,000 first printing.

Fifty Years Below Zero

A Lifetime of Adventure in the Far North *Pickle Partners Publishing*

Brower had left San Francisco with the intention of making a short dash north on a whaling ship bound for the mythic Arctic

Circle. Adventure had a way of following Charlie Brower. His initial landing turned into a fifty-year long ice-bound lifestyle. Once he stepped off the whaler and back onto dry, albeit frozen land, Brower took a job as master of the whaling station. But, though commerce brought him north, it was the people that helped keep him there for Charlie soon became fast friends with the native Inuit people. They taught him how to hunt seals on the ice, caribou on the tundra, and whales out on the sea. He learned their secrets, lived in their igloos, navigated in their kayaks and avoided being murdered in their feuds. Plus the young adventurer observed the great

dramas of the Far North play out. He saw the last of the sailing ships disappear over the horizon, and watched the first airplane fly in. For fifty-seven years, through ice storms and northern lights, Charlie Brower maintained both this lonely outpost and his claim as “Uncle Sam’s most northerly citizen.” A book to remember, “Fifty Years Below Zero” is richly illustrated throughout with photos by the author.

Zero Fail

The Rise and Fall of the Secret Service

Random House

NEW YORK TIMES BESTSELLER • “This is one of those books that will go down as the seminal work—the determinative work—in

this field. . . . Terrifying.”—Rachel Maddow The first definitive account of the rise and fall of the Secret Service, from the Kennedy assassination to the alarming mismanagement of the Obama and Trump years, right up to the insurrection at the Capitol on January 6—by the Pulitzer Prize winner and #1 New York Times bestselling co-author of *A Very Stable Genius* and *I Alone Can Fix It* NAMED ONE OF THE BEST BOOKS OF THE YEAR BY THE WASHINGTON POST Carol Leonnig has been reporting on the Secret Service for The Washington Post for most of the last decade, bringing to light the secrets, scandals, and shortcomings that plague the agency today—from a toxic work culture to dangerously outdated equipment to the deep resentment within the ranks at key agency leaders, who put protecting the agency’s once-hallowed image before fixing its flaws. But the Secret Service wasn’t always so troubled. The Secret Service was born in 1865, in the wake of the assassination of Abraham Lincoln, but its story begins in earnest in 1963, with the death of John F. Kennedy. Shocked into reform by its failure to protect the president on that fateful day in Dallas, this once-sleepy agency was radically transformed into an elite, highly trained unit that would redeem itself several times,

most famously in 1981 by thwarting an assassination attempt against Ronald Reagan. But this reputation for courage and excellence would not last forever. By Barack Obama's presidency, the once-proud Secret Service was running on fumes and beset by mistakes and alarming lapses in judgment: break-ins at the White House, an armed gunman firing into the windows of the residence while confused agents stood by, and a massive prostitution scandal among agents in Cartagena, to name just a few. With Donald Trump's arrival, a series of promised reforms were cast aside, as a president disdainful of public service instead abused the Secret Service to

rack up political and personal gains. To explore these problems in the ranks, Leonnig interviewed dozens of current and former agents, government officials, and whistleblowers who put their jobs on the line to speak out about a hobbled agency that's in desperate need of reform. "I will be forever grateful to them for risking their careers," she writes, "not because they wanted to share tantalizing gossip about presidents and their families, but because they know that the Service is broken and needs fixing. By telling their story, they hope to revive the Service they love."

Virus Ground Zero

Stalking the Killer Viruses with the Centers for Disease Control *Simon and Schuster*

A collection of germ warfare tales chronicles the history of the CDC and follows its physicians' battles with deadly diseases throughout the world

A Concise Introduction to Pure Mathematics *CRC Press*

Accessible to all students with a sound background in high school mathematics, *A Concise Introduction to Pure Mathematics*, Fourth Edition presents some of the most fundamental and beautiful ideas in pure mathematics. It covers not only standard material but also many interesting topics not usually encountered at

this level, such as the theory of solving cubic equations; Euler's formula for the numbers of corners, edges, and faces of a solid object and the five Platonic solids; the use of prime numbers to encode and decode secret information; the theory of how to compare the sizes of two infinite sets; and the rigorous theory of limits and continuous functions. New to the Fourth Edition Two new chapters that serve as an introduction to abstract algebra via the theory of groups, covering abstract reasoning as well as many examples and applications New material on inequalities, counting methods, the inclusion-exclusion principle, and Euler's phi function Numerous new

exercises, with solutions to the odd-numbered ones. Through careful explanations and examples, this popular textbook illustrates the power and beauty of basic mathematical concepts in number theory, discrete mathematics, analysis, and abstract algebra. Written in a rigorous yet accessible style, it continues to provide a robust bridge between high school and higher-level mathematics, enabling students to study more advanced courses in abstract algebra and analysis.

Ground Zero *Scholastic Inc.*

The instant #1 New York Times bestseller. In time for the twentieth anniversary of 9/11, master storyteller Alan Gratz

(Refugee) delivers a pulse-pounding and unforgettable take on history and hope, revenge and fear -- and the stunning links between the past and present. September 11, 2001, New York City: Brandon is visiting his dad at work, on the 107th floor of the World Trade Center. Out of nowhere, an airplane slams into the tower, creating a fiery nightmare of terror and confusion. And Brandon is in the middle of it all. Can he survive -- and escape? September 11, 2019, Afghanistan: Reshmina has grown up in the shadow of war, but she dreams of peace and progress. When a battle erupts in her village, Reshmina stumbles upon a wounded American soldier named Taz.

Should she help Taz -- and put herself and her family in mortal danger? Two kids. One devastating day. Nothing will ever be the same.

A History of Pi *Macmillan*

Documents the calculation, numerical value, and use of the ratio from 2000 B.C. to the modern computer age, detailing social conditions in eras when progress was made

Significant Zero

Heroes, Villains, and the Fight for Art and Soul in Video Games

Simon and Schuster

"An award-winning videogame writer offers a rare behind-the-scenes look inside the gaming industry, and expands on how games are transformed

from mere toys into meaningful, artistic experiences"--

Zero Regrets

Be Greater Than Yesterday *Simon and Schuster*

A Gold medal-winning Olympic speed skater shares his inspiring personal story and life lessons learned through training and competition. Reprint. A best-selling book.

Version Zero *Penguin*

From the brilliant mind of New York Times bestselling author David Yoon comes a lightning-fast and scorchingly observant thriller about how we can save ourselves from the very real perils of a virtual world. Max, a data whiz at the social media company Wren, has gotten a

firsthand glimpse of the dark side of big tech. When he questions what his company does with the data they collect, he's fired...then black-balled across Silicon Valley. With time on his hands and revenge on his mind, Max and his longtime friend (and secretly the love of his life) Akiko, decide to get even by rebooting the internet. After all, in order to fix things, sometimes you have to break them. But when Max and Akiko join forces with a reclusive tech baron, they learn that breaking things can have unintended--and catastrophic--consequences.

Less Than Zero
Vintage

Set in Los Angeles in the early 1980's, this coolly mesmerizing

novel—now a timeless classic—is a raw, powerful portrait of a lost generation who have experienced sex, drugs, and disaffection at too early an age. They live in a world shaped by casual nihilism, passivity, and too much money in a place devoid of feeling or hope. When Clay comes home for Christmas vacation from his Eastern college, he re-enters a landscape of limitless privilege and absolute moral entropy, where everyone drives Porches, dines at Spago, and snorts mountains of cocaine. He tries to renew feelings for his girlfriend, Blair, and for his best friend from high school, Julian, who is careering into hustling and heroin. Clay's holiday turns

into a dizzying spiral of desperation that takes him through the relentless parties in glitzy mansions, seedy bars, and underground rock clubs and also into the seamy world of L.A. after dark.

The Daily Show (The Book)

An Oral History as Told by Jon Stewart, the Correspondents, Staff and Guests

Grand Central Publishing

NEW YORK TIMES BESTSELLER The complete, uncensored history of the award-winning The Daily Show with Jon Stewart, as told by its correspondents, writers, and host. For almost seventeen years, The Daily Show with Jon Stewart brilliantly redefined the

borders between television comedy, political satire, and opinionated news coverage. It launched the careers of some of today's most significant comedians, highlighted the hypocrisies of the powerful, and garnered 23 Emmys. Now the show's behind-the-scenes gags, controversies, and camaraderie will be chronicled by the players themselves, from legendary host Jon Stewart to the star cast members and writers-including Samantha Bee, Stephen Colbert, John Oliver, and Steve Carell - plus some of The Daily Show's most prominent guests and adversaries: John and Cindy McCain, Glenn Beck, Tucker Carlson, and many more. This

oral history takes the reader behind the curtain for all the show's highlights, from its origins as Comedy Central's underdog late-night program to Trevor Noah's succession, rising from a scrappy jester in the 24-hour political news cycle to become part of the beating heart of politics-a trusted source for not only comedy but also commentary, with a reputation for calling bullshit and an ability to effect real change in the world. Through years of incisive election coverage, passionate debates with President Obama and Hillary Clinton, feuds with Bill O'Reilly and Fox, and provocative takes on Wall Street and racism, *The Daily Show* has been a cultural

touchstone. Now, for the first time, the people behind the show's seminal moments come together to share their memories of the last-minute rewrites, improvisations, pranks, romances, blow-ups, and moments of Zen both on and off the set of one of America's most groundbreaking shows.

From One to Zero

A Universal History of Numbers *Viking Press*

"Traces the development of numerical systems in Sumerian, Egyptian, Greek, Roman, Chinese, Babylonian, and Mayan cultures, and examines the origins of the Hindu-Arabic numerals we use today"--Back

cover.

Codename Zero
Harper Collins

From Chris Rylander, author of the breakout hit Fourth Stall saga, comes an incredibly funny and clever mash-up of middle grade school story and spy adventure. There are places in the world where heroes are born. There are places where brave men and women fight a never-ending battle against evil in order to keep our country and all other countries safe. There are places where the fate of our planet is being decided, even at this very moment, the consequences of which will echo through history. None of these places is in North Dakota. Carson Fender, seventh grader and notorious prankster,

knows this. He's lived in North Dakota for his entire life, going to the same boring school every day, the same boring movie theater every week, the same boring state fair every year. Nothing ever changes, and nothing ever happens. That is, until today. Because today a desperate man hands him a package with a dire set of instructions. And that package is going to lead Carson to discover that there's a secret government agency operating in his small, quiet North Dakota hometown. And that this agency needs his help.

Pandemic: Patient Zero

A Pandemic Novel
Simon and Schuster
An exciting new series

based on the hit family game *Pandemic* begins with a deadly disease breaking out in darkest Peru - it's up to a crack team of experts to find the source before it spreads, in this taut airport thriller. Bodhi Patel is the brand new Lead Epidemiologist for the world's top epidemic specialists, Global Health Agency, but there's no time to settle in: his new boss, Helen Taylor, deploys GHA to contain a mysterious new killer virus spreading into Brazil. On the ground they learn that the virus is loose in a region controlled by a heavily armed drug warlord, and the race against time to discover a cure just got a whole lot tougher. Meanwhile, Bodhi finds himself with a newly reshuffled team still

smarting from the changes, including his ex - the last person he expected to be working with.

How to Avoid a Climate Disaster

The Solutions We Have and the Breakthroughs We Need *Knopf*

#1 NEW YORK TIMES BEST SELLER • In this urgent, authoritative book, Bill Gates sets out a wide-ranging, practical—and accessible—plan for how the world can get to zero greenhouse gas emissions in time to avoid a climate catastrophe. Bill Gates has spent a decade investigating the causes and effects of climate change. With the help of experts in the fields of physics, chemistry, biology,

engineering, political science, and finance, he has focused on what must be done in order to stop the planet's slide to certain environmental disaster. In this book, he not only explains why we need to work toward net-zero emissions of greenhouse gases, but also details what we need to do to achieve this profoundly important goal. He gives us a clear-eyed description of the challenges we face. Drawing on his understanding of innovation and what it takes to get new ideas into the market, he describes the areas in which technology is already helping to reduce emissions, where and how the current technology can be made to function

more effectively, where breakthrough technologies are needed, and who is working on these essential innovations. Finally, he lays out a concrete, practical plan for achieving the goal of zero emissions—suggesting not only policies that governments should adopt, but what we as individuals can do to keep our government, our employers, and ourselves accountable in this crucial enterprise. As Bill Gates makes clear, achieving zero emissions will not be simple or easy to do, but if we follow the plan he sets out here, it is a goal firmly within our reach.

Walking Zero

Discovering Cosmic

**Space and Time
Along the Prime
Meridian** *Bloomsbury
Publishing USA*

In *Walking Zero*, Chet Raymo uses the Prime Meridian—the line of zero longitude and the standard for all the world's maps and clocks—to tell the story of humankind's intellectual journey from a cosmos not much larger than ourselves to the universe of the galaxies and geologic eons. As in his highly praised *The Path and Climbing Brandon*, Raymo connects personally with the story by walking England's Prime Meridian from Brighton through Greenwich to the North Sea. The Prime Meridian passes near a surprising number of landmarks that loom large in

science: Isaac Newton's chambers at Trinity College, Cambridge; Charles Darwin's home at Down, in Kent; the site where the first dinosaur fossils were discovered; and John Harrison's clocks in a museum room of the Royal Observatory, among many others. Visiting them in turn, Raymo brings to life the human dramas of courageous individuals who bucked reigning orthodoxies to expand our horizons, including one brave rebel who paid the ultimate price for surmising the multitude of worlds we now take for granted. A splendid short history of astronomy and geology, *Walking Zero* illuminates the startling interplay of science, psychology, faith, and the arts in

our understanding of space and time.

Zero Decibels

The Quest for Absolute Silence

Simon and Schuster

Have our noise-soaked lives driven us mad? And is absolute silence an impossible goal—or the one thing that can save us? A lively tale of one man's quest to find the grail of total quiet.--- "I don't know at what point noise became intolerable for me," George Michelsen Foy writes as he recalls standing on a subway platform in Manhattan, hands clamped firmly over his ears, face contorted in pain. But only then does Foy realize how overwhelmed he is by the city's noise and vow to seek out absolute silence, if

such an absence of sound can be discovered. Foy begins his quest by carrying a pocket-sized decibel meter to measure sound levels in the areas he frequents most—the subway, the local café, different rooms of his apartment—as well as the places he visits that inform his search, including the Parisian catacombs, Joseph Pulitzer's "silent vault," the snowy expanses of the Berkshires, and a giant nickel mine in Canada, where he travels more than a mile underground to escape all human-made sound. Along the way, Foy experiments with noise-canceling headphones, floatation tanks, and silent meditation before he finally tackles a Minnesota laboratory's

anechoic chamber that the Guinness Book of World Records calls “the quietest place on earth,” and where no one has ever endured even forty-five minutes alone in its pitch-black interior before finding the silence intolerable. Drawing on history, science, journalistic reportage, philosophy, religion, and personal memory, as well as conversations with experts in various fields whom he meets during his odyssey, Foy finds answers to his questions: How does one define silence? Did human beings ever experience silence in their early history? What is the relationship between noise and space? What are the implications of silence and our need for it—physically, mentally, emotionally, politically? Does absolute silence actually exist? If so, do we really want to hear it? And if we do hear it, what does it mean to us? According to the Environmental Protection Agency, 30 million Americans suffer from environment-related deafness in today’s digital age of pervasive sound and sensory overload. Roughly the same number suffer from tinnitus, a condition, also environmentally related, that makes silence impossible in even the quietest places. In this respect, Foy’s quest for silence represents more than a simple psychological inquiry; both his queries and his findings help to answer the question “How can we live saner, healthier

lives today?" Innovative, perceptive, and delightfully written, *Zero Decibels* will surely change how we perceive and appreciate the soundscape of our lives.

The Years of Zero

Coming of Age Under the Khmer Rouge *CreateSpace*

The Years of Zero—Coming of Age Under the Khmer Rouge is a survivor's account of the Cambodian genocide carried out by Pol Pot's sadistic and terrifying Khmer Rouge regime in the late 1970s. It follows the author, Seng Ty, from the age of seven as he is plucked from his comfortable, middle-class home in a Phnom Penh suburb, marched

along a blistering, black strip of highway into the jungle, and thrust headlong into the unspeakable barbarities of an agricultural labor camp. Seng's mother was worked to death while his siblings succumbed to starvation. His oldest brother was brought back from France and tortured in the secret prison of Tuol Sleng. His family's only survivor and a mere child, Seng was forced to fend for himself, navigating the brainwashing campaigns and random depravities of the Khmer Rouge, determined to survive so he could bear witness to what happened in the camp. *The Years of Zero* guides the reader through the author's

long, desperate periods of harrowing darkness, each chapter a painting of cruelty, caprice, and courage. It follows Seng as he sneaks mice and other living food from the rice paddies where he labors, knowing that the penalty for such defiance is death. It tracks him as he tries to escape into the jungle, only to be dragged back to his camp and severely beaten. Through it all, Seng finds a way to remain whole both in body and in mind. He rallies past torture, betrayal, disease and despair, refusing at every juncture to surrender to the murderers who have stolen everything he had. As *The Years of Zero* concludes, the reader will have lived what Seng lived, risked

what he risked, endured what he endured, and finally celebrate with him his unlikeliest of triumphs.

Virtual Unreality

The New Era of Digital Deception

Penguin

The author of *Zero and Proofiness* explains how to tell truth from fantasy in the digital world, and why it matters. Today, the Internet allows us to spread information faster and to more people than ever before—never mind whether it's true or not. In *Virtual Unreality*, mathematician, science reporter, and journalist watchdog Charles Seife takes us deep into the information jungle and cuts a path through the

trickery, fakery, and cyber skullduggery that the Internet enables. Providing a much-needed toolkit to help separate fact from fiction, Seife, with his trademark wit and skepticism, addresses the problems that face us every time we turn on our computers and Google our most recent medical symptoms, read a politician's tweet, fact-check something on Wikipedia, or start an online relationship. Let the clicker beware.

Zero Day

A Novel *Simon and Schuster*

The United States goes to war against the queen spiders that threaten to overtake the human race forever in this thrilling and horrifying finale of the

"captivating, engaging, and completely terrifying" (My Guilty Obsession)

internationally bestselling Hatching series. The world is on the brink of apocalypse. Zero Day has come. The only thing more terrifying than millions of spiders is the realization that those spiders work as one. But among the government, there is dissent: do we try to kill all of the spiders, or do we gamble on Professor Guyer's theory that we need to kill only the queens? For President Stephanie Pilgrim, it's an easy answer. She's gone as far as she can—more than two dozen American cities hit with tactical nukes, the country torn asunder—and the only answer is to believe in

Professor Guyer. Unfortunately, Ben Broussard and the military men who follow him don't agree, and Pilgrim, Guyer, and the loyal members of the government have to flee, leaving the question: what's more dangerous, the spiders or ourselves?

Dead Zero

A Bob Lee Swagger Novel *Simon and Schuster*

Marine Corps master sniper Bob Lee Swagger travels to the remote deserts and caves of Afghanistan to track down a renegade Marine who is using extreme measures to complete a mission.

A Place for Zero *Charlesbridge*

Zero is lonely in Digitaria. He can't play

Addemup with the other numbers, because he has nothing to add. What's a digit to do? Join Zero as he goes on a journey to discover his place.

The Sum of Us

What Racism Costs Everyone and How We Can Prosper Together *One World*

NEW YORK TIMES BESTSELLER • LONGLISTED FOR THE NATIONAL BOOK AWARD • One of today's most insightful and influential thinkers offers a powerful exploration of inequality and the lesson that generations of Americans have failed to learn: Racism has a cost for everyone—not just for people of color. WINNER OF THE

PORCHLIGHT BUSINESS BOOK AWARD • ONE OF THE BEST BOOKS OF THE YEAR: Time, The Washington Post, St. Louis Post-Dispatch, Ms. magazine, BookRiot, Library Journal • LONGLISTED FOR THE ANDREW CARNEGIE MEDAL • “This is the book I’ve been waiting for.”—Ibram X. Kendi, #1 New York Times bestselling author of *How to Be an Antiracist* Heather McGhee’s specialty is the American economy—and the mystery of why it so often fails the American public. From the financial crisis of 2008 to rising student debt to collapsing public infrastructure, she found a root problem: racism in our politics and policymaking. But not

just in the most obvious indignities for people of color. Racism has costs for white people, too. It is the common denominator of our most vexing public problems, the core dysfunction of our democracy and constitutive of the spiritual and moral crises that grip us all. But how did this happen? And is there a way out? McGhee embarks on a deeply personal journey across the country from Maine to Mississippi to California, tallying what we lose when we buy into the zero-sum paradigm—the idea that progress for some of us must come at the expense of others. Along the way, she meets white people who confide in her about losing their

homes, their dreams, and their shot at better jobs to the toxic mix of American racism and greed. This is the story of how public goods in this country—from parks and pools to functioning schools—have become private luxuries; of how unions collapsed, wages stagnated, and inequality increased; and of how this country, unique among the world's advanced economies, has thwarted universal healthcare. But in unlikely places of worship and work, McGhee finds proof of what she calls the Solidarity Dividend: the benefits we gain when people come together across race to accomplish what we simply can't do on our own. *The Sum of Us* is not only a brilliant

analysis of how we arrived here but also a heartfelt message, delivered with startling empathy, from a black woman to a multiracial America. It leaves us with a new vision for a future in which we finally realize that life can be more than a zero-sum game.

**The Fighting Soul:
On the Road with
Bernie Sanders**
Liveright Publishing

An unparalleled and intimate account of Bernie Sanders from one of his most trusted confidants. Bernie Sanders inspires fervent love and, even among his enemies, a measure of grudging respect—yet, curiously, we know little about who the man really is, with Sanders deliberately keeping the focus on his

policies. Now, with *The Fighting Soul*, Ari Rabin-Havt takes us where no profiles or televised interviews have been able to go. As a close advisor and deputy campaign manager on Sanders's most recent—and likely last—presidential campaign, the tireless Rabin-Havt spent more hours between 2017 and 2020 with the Vermont senator than anyone else. Traveling the country for rallies and to support striking workers, the two visited thirty-six states, drove tens of thousands of miles, and ate in countless chain restaurants. One result was a meteoric and galvanizing presidential campaign. Another is *The Fighting Soul*, an unforgettable chronicle of life on the road with Sanders and the first in-depth portrait of this fiercely independent, and famously private, left-wing firebrand. Sanders's second bid for the presidency began in Rabin-Havt's apartment in Washington DC in January 2018. From there, Rabin-Havt offers a behind-the-scenes account of Sanders's run, including his heart attack in Las Vegas, his notorious debate encounter with fellow-progressive Elizabeth Warren, and a momentous conversation between Sanders and Barack Obama that has never been reported before. At every step, Rabin-Havt shows us Bernie Sanders when the cameras turn off: his dry sense of humor; his views of his young

supporters; the pivotal role his wife, Jane, plays in every decision he makes; and more. Delving into Sanders's life and career, with moving glimpses of his childhood in Brooklyn and first forays into politics in Burlington, Rabin-Havt discloses that Sanders is shocked by his ascent: "Ari, my parents would tell me I was crazy if I told them I would become a senator, much less could become president of the United States." Though his campaign ended in abrupt and unexpected defeat, Sanders has pushed the Democratic Party to the left and helped remake American politics—as Rabin-Havt suggests, he has done more to shape our history than anyone else who has not

reached the White House. Revelatory and heartfelt, *The Fighting Soul* depicts the rare politician motivated by principle, not power.

Net Zero: How We Stop Causing Climate Change

HarperCollins UK

What can we really do about the climate emergency? The inconvenient truth is that we are causing the climate crisis with our carbon intensive lifestyles and that fixing – or even just slowing – it will affect all of us. But it can be done.

The (Almost) Zero-Waste Guide

100+ Tips for Reducing Your Waste Without Changing Your Life

Simon and Schuster

Cut back on waste, reduce your carbon footprint, and live more sustainably with these 100 (almost) zero-waste tips In a perfect world, we would all be able to fit a year's worth of waste in a mason jar. But for most of us, doing so can be immensely intimidating or simply not feasible. But even if you can't be perfectly zero waste, you can still have a profound impact on our environment, climate, and health by making some simple changes to your lifestyle and habits. Author Melanie Mannarino shares 100 simple tips for being less wasteful in a variety of contexts: -At Home, with advice not only for the kitchen and food, but also for cleaning and home organization -Travel, from commuting to vacations -Fashion, including finding sustainable brands and caring for your clothing -Community, helping you identify ways to make a broader impact beyond your home Beyond limiting your personal waste, learn about how you can reduce your "unseen" waste by making more eco-friendly choices, such as purchasing clothes with more sustainable fabrics and adopting a "Meatless Monday" regimen to help decrease your carbon footprint. If you're someone who wants to reduce waste in your daily life and make a positive impact on the planet without making drastic changes in your habits, then look no further. This highly accessible and practical guide will

have you living a sustainable life that is
greener, more (almost) zero waste in
no time!