

Einsteins Greatest Mistake The Life Of A Flawed Genius

The great thinker reflects on such topics as nuclear weapons, world poverty, and international affairs in this Wall Street Journal bestseller. Nuclear proliferation, Zionism, and the global economy are just a few of the insightful and surprisingly prescient topics scientist Albert Einstein discusses in this volume of collected essays from between 1931 and 1950. Written with a clear voice and a thoughtful perspective on the effects of science, economics, and politics in daily life, Einstein's essays provide an intriguing view inside the mind of a genius addressing the philosophical challenges presented during the turbulence of the Great Depression, the Second World War, and the dawn of the Cold War. This authorized ebook features rare photos and never-before-seen documents from the Albert Einstein Archives at the Hebrew University of Jerusalem.

A modern classic, Einstein's Dreams is a fictional collage of stories dreamed by Albert Einstein in 1905, about time, relativity and physics. As the defiant but sensitive young genius is creating his theory of relativity, a new conception of time, he imagines many possible worlds. In one, time is circular, so that people are fated to repeat triumphs and failures over and over. In another, there is a place where time stands still, visited by lovers and parents clinging to their children. In another, time is a nightingale, sometimes trapped by a bell jar. Now translated into thirty languages, Einstein's Dreams has inspired playwrights, dancers, musicians, and painters all over the world. In poetic vignettes, it explores the connections between science

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and art, the process of creativity, and ultimately the fragility of human existence.

A daring new vision of the quantum universe, and the scandals controversies, and questions that may illuminate our future--from Canada's leading mind on contemporary physics. Quantum physics is the golden child of modern science. It is the basis of our understanding of atoms, radiation, and so much else, from elementary particles and basic forces to the behaviour of materials. But for a century it has also been the problem child of science, plagued by intense disagreements between its intellectual giants, from Albert Einstein to Stephen Hawking, over the strange paradoxes and implications that seem like the stuff of fantasy. Whether it's Schrödinger's cat--a creature that is simultaneously dead and alive--or a belief that the world does not exist independently of our observations of it, quantum theory is what challenges our fundamental assumptions about our reality. In Einstein's Unfinished Revolution, globally renowned theoretical physicist Lee Smolin provocatively argues that the problems which have bedeviled quantum physics since its inception are unsolved for the simple reason that the theory is incomplete. There is more, waiting to be discovered. Our task--if we are to have simple answers to our simple questions about the universe we live in--must be to go beyond it to a description of the world on an atomic scale that makes sense. In this vibrant and accessible book, Smolin takes us on a journey through the basics of quantum physics, introducing the stories of the experiments and figures that have transformed the field, before wrestling with the puzzles and conundrums that they present. Along the way, he illuminates the existing theories about the quantum world that might solve these problems, guiding us toward his own vision that embraces common sense realism. If we are to have any hope of completing the revolution that Einstein began nearly a century ago, we must go beyond quantum

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mechanics as we know it to find a theory that will give us a complete description of nature. In Einstein's Unfinished Revolution, Lee Smolin brings us a step closer to resolving one of the greatest scientific controversies of our age.

" The Best Albert Einstein Quotation Book ever Published. Special Edition This book of Albert Einstein quotes contains only the rarest and most valuable quotations ever recorded about Albert Einstein, authored by a team of experienced researchers. Hundreds of hours have been spent in sourcing, editing and verifying only the best quotations about Albert Einstein for your reading pleasure, saving you time and expensive referencing costs. This book contains over 43 pages of quotations which are immaculately presented and formatted for premium consumption. Be inspired by these Albert Einstein quotes; this book is a niche classic which will have you coming back to enjoy time and time again. What's Inside: Contains only the best quotations on Albert Einstein Over 43 pages of premium content Beautifully formatted and edited for maximum enjoyment Makes for the perfect niche gift for you or someone special Enjoy such quotes such as: A man should look for what is, and not for what he thinks should be. Albert Einstein A perfection of means, and confusion of aims, seems to be our main problem. Albert Einstein A person who never made a mistake never tried anything new. Albert Einstein A question that sometimes drives me hazy: am I or are the others crazy? Albert Einstein A table, a chair, a bowl of fruit and a violin; what else does a man need to be happy? Albert Einstein All religions, arts and sciences are branches of the same tree. Albert Einstein ... And much more! Click Add to Cart and Enjoy!"

If a child wants proof, we can think of 10 different ways to show that we are surrounded by air, but we are, of course, normally unaware that we live at the bottom of an "ocean" of air. It is

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claimed, in this book, that we are unaware, similarly, that we are surrounded by an atmosphere of aether. There is one major difference, however: We have not been able to detect the aether. Nevertheless, the aether provides a solution to the following mystery: How can light, or any electromagnetic wave, travel for billions of years across the vastness of the Universe, without losing any energy? The answer is that the Universe is filled with a light-transmitting medium, The Aether. The proof that there is an aether is the subject of the present book.

“One of the best popular accounts of how Einstein and his followers have been trying to explain the universe for decades” (Kirkus Reviews, starred review). Physicists have been exploring, debating, and questioning the general theory of relativity ever since Albert Einstein first presented it in 1915. This has driven their work to unveil the universe’s surprising secrets even further, and many believe more wonders remain hidden within the theory’s tangle of equations, waiting to be exposed. In this sweeping narrative of science and culture, an astrophysicist brings general relativity to life through the story of the brilliant physicists, mathematicians, and astronomers who have taken up its challenge. For these scientists, the theory has been both a treasure trove and an enigma. Einstein’s theory, which explains the relationships among gravity, space, and time, is possibly the most perfect intellectual achievement of modern physics—yet studying it has always been a controversial endeavor. Relativists were the target of persecution in Hitler’s Germany, hounded in Stalin’s Russia, and disdained in 1950s America. Even today, PhD students are warned that specializing in general relativity will make them unemployable. Still, general relativity has flourished, delivering key insights into our understanding of the origin of time and the evolution of all the stars and galaxies in the cosmos. Its adherents have revealed what lies at the farthest reaches of the

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universe, shed light on the smallest scales of existence, and explained how the fabric of reality emerges. Dark matter, dark energy, black holes, and string theory are all progeny of Einstein's theory. In the midst of a momentous transformation in modern physics, as scientists look farther and more clearly into space than ever before, *The Perfect Theory* exposes the greater relevance of general relativity, showing us where it started, where it has led—and where it can still take us.

Letters of Note, the book based on the beloved website of the same name, became an instant classic on publication in 2013, selling hundreds of thousands of copies. This new edition sees the collection of the world's most entertaining, inspiring and unusual letters updated with fourteen riveting new missives and a new introduction from curator Shaun Usher. From Virginia Woolf's heart-breaking suicide letter to Queen Elizabeth II's recipe for drop scones sent to President Eisenhower; from the first recorded use of the expression 'OMG' in a letter to Winston Churchill, to Gandhi's appeal for calm to Hitler; and from Iggy Pop's beautiful letter of advice to a troubled young fan, to Leonardo da Vinci's remarkable job application letter, *Letters of Note* is a celebration of the power of written correspondence which captures the humour, seriousness, sadness and brilliance that make up all of our lives.

In 1903, despite the vehement objections of his parents, Albert Einstein married Mileva Maric, the companion, colleague, and confidante whose influence on his most creative years has given rise to much speculation. Beginning in 1897, after Einstein and Maric met as students at the Swiss Federal Polytechnic, and ending shortly after their marriage, these fifty-four love letters offer a rare glimpse into Einstein's relationship with his first wife while shedding light on his intellectual development in the period before the *annus mirabilis* of 1905. Unlike the picture

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of Einstein the lone, isolated thinker of Princeton, he appears here both as the burgeoning enfant terrible of science and as an amorous young man beset, along with his fiancée, by financial and personal struggles--among them the illegitimate birth of their daughter, whose existence is known only by these letters. Describing his conflicts with professors and other scientists, his arguments with his mother over Maric, and his difficulty obtaining an academic position after graduation, the letters enable us to reconstruct the youthful Einstein with an unprecedented immediacy. His love for Maric, whom he describes as "a creature who is my equal, and who is as strong and independent as I am," brings forth his serious as well as playful, often theatrical nature. After their marriage, however, Maric becomes less his intellectual companion, and, failing to acquire a teaching certificate, she subordinates her professional goals to his. In the final letters Einstein has obtained a position at the Swiss Patent Office and mentions their daughter one last time to his wife in Hungary, where she is assumed to have placed the girl in the care of relatives. Informative, entertaining, and often very moving, this collection of letters captures for scientists and general readers alike a little known yet crucial period in Einstein's life.

"The eternal mystery of the world is its comprehensibility ... The fact that it is comprehensible is a miracle." —Albert Einstein, 1936 Albert Einstein's universal appeal is only partially explained by his brilliant work in physics, as Andrew Robinson demonstrates in this authoritative, accessible, and richly illustrated biography. The main narrative is enriched by twelve essays by well-known scientists, scholars, and artists, including three Nobel Laureates. The book presents clearly the beautiful simplicity at the heart of Einstein's greatest discoveries, and explains how his ideas have continued to influence scientific developments such as lasers, the

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theory of the big bang, and “theories of everything.” Einstein’s life and activities outside of science are also considered, including his encounters with famous contemporaries such as Chaplin, Roosevelt, and Tagore, his love of music, and his troubled family life. The book recognizes that Einstein’s striking originality was expressed in many ways, from his political and humanitarian campaigns against nuclear weapons, anti-Semitism, McCarthyism, and social injustices, to his unconventional personal appearance. Published in association with the Albert Einstein Archives at the Hebrew University of Jerusalem, the book draws on this exceptional resource of Einstein’s private papers and personal photographs. This new edition, published to recognize the centenary of the publication of Einstein’s General Theory of Relativity, includes an important new afterword by Diana Kormos Buchwald, the director of the Einstein Papers Project at the California Institute of Technology. The contributors are Philip Anderson, Arthur C. Clarke, I. Bernard Cohen, Freeman Dyson, Philip Glass, Stephen Hawking, Max Jammer, Diana Kormos Buchwald, João Magueijo, Joseph Rotblat, Robert Schulmann, and Steven Weinberg.

As much as we all know that $E = mc^2$ was Einstein's most important and groundbreaking equation, do we really know what it means or why Einstein is regarded as one of history's foremost thinkers? In this absorbing biography Michael White and John Gribbin reveal the man behind the physics and introduce us to his theories in an accessible and fascinating way. With an updated preface for this new edition on the fiftieth anniversary of his death and the hundredth anniversary of the theory of relativity, EINSTEIN explains how the scientific icon changed our view of the world and why no one can ever hope to understand that world without first understanding his work.

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One of PopSugar's "25 Books You're Going to Curl Up with this Fall." "The Other Einstein takes you into Mileva's heart, mind, and study as she tries to forge a place for herself in a scientific world dominated by men."-Bustle In the tradition of *The Paris Wife* and *Mrs. Poe*, *The Other Einstein* offers us a window into a brilliant, fascinating woman whose light was lost in Einstein's enormous shadow. It is the story of Einstein's wife, a brilliant physicist in her own right, whose contribution to the special theory of relativity is hotly debated and may have been inspired by her own profound and very personal insight. Mitza Maric has always been a little different from other girls. Most twenty-year-olds are wives by now, not studying physics at an elite Zurich university with only male students trying to outdo her clever calculations. But Mitza is smart enough to know that, for her, math is an easier path than marriage. And then fellow student Albert Einstein takes an interest in her, and the world turns sideways. Theirs becomes a partnership of the mind and of the heart, but there might not be room for more than one genius in a marriage.

We all make mistakes. Nobody is perfect. And that includes five of the greatest scientists in history -- Charles Darwin, William Thomson (Lord Kelvin), Linus Pauling, Fred Hoyle, Albert Einstein. But the mistakes that these great scientists made helped science to advance. Indeed, as Mario Livio explains in this fascinating book, science thrives on error; it advances when erroneous ideas are disproven. All five scientists were great geniuses and fascinating human beings. Their blunders were part of their genius and part of the scientific process. Livio brilliantly analyses their errors to show where they were wrong and right, but what makes his book so enjoyable to read is Livio's analysis of the psychology of these towering figures. Along the way the reader learns an enormous amount about the evolution of life on earth and in the

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universe, but from an unusual vantage point -- the mistakes of great scientists rather than the achievements that made them famous.

Whom we call a genius today, whose name is counted among the great scientists of the world, who proposed the Theory of Relativity, who won the Nobel Prize in physics, whose equation $E=mc^2$ played a key role in developing the atom bomb—he was a very ordinary child in his early age; initially he was not able to speak fluently; who left school in the middle of his education, and he spent nine years in finding a suitable job for him. This is the story of Albert Einstein who born in Germany in 1879. Despite facing countless difficulties in his life, he earned his name in the field of science and proved that what extent a person can go to chose his way. No one born as a genius—man's hard work and passion makes him a genius.

CONTENTS: 1. Early Life 2. School Years 3. University Years 4. Post-University Years 5. Scientific Discoveries 6. Personal Life 7. Interesting Facts about Einstein 8. Famous Words by Albert Einstein 9. An Overview of Einstein's Life

The captivating, all-but-forgotten story of Isaac Newton, Albert Einstein, and the search for a planet that never existed For more than fifty years, the world's top scientists searched for the "missing" planet Vulcan, whose existence was mandated by Isaac Newton's theories of gravity. Countless hours were spent on the hunt for the elusive orb, and some of the era's most skilled astronomers even claimed to have found it. There was just one problem: It was never there. In *The Hunt for Vulcan*, Thomas Levenson follows the visionary scientists who inhabit the story of the phantom planet, starting with Isaac Newton, who in 1687 provided an explanation for all matter in motion throughout the universe, leading to Urbain-Jean-Joseph Le Verrier, who almost two centuries later built on Newton's theories and discovered Neptune,

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becoming the most famous scientist in the world. Le Verrier attempted to surpass that triumph by predicting the existence of yet another planet in our solar system, Vulcan. It took Albert Einstein to discern that the mystery of the missing planet was a problem not of measurements or math but of Newton's theory of gravity itself. Einstein's general theory of relativity proved that Vulcan did not and could not exist, and that the search for it had merely been a quirk of operating under the wrong set of assumptions about the universe. Levenson tells the previously untold tale of how the "discovery" of Vulcan in the nineteenth century set the stage for Einstein's monumental breakthrough, the greatest individual intellectual achievement of the twentieth century. A dramatic human story of an epic quest, *The Hunt for Vulcan* offers insight into how science really advances (as opposed to the way we're taught about it in school) and how the best work of the greatest scientists reveals an artist's sensibility. Opening a new window onto our world, Levenson illuminates some of our most iconic ideas as he recounts one of the strangest episodes in the history of science. Praise for *The Hunt for Vulcan* "Delightful . . . a charming tale about an all-but-forgotten episode in science history."—*The Wall Street Journal* "Engaging . . . At heart, this is a story about how science advances, one insight at a time. But the immediacy, almost romance, of Levenson's writing makes it almost novelistic."—*The Washington Post* "A well-structured, fast-paced example of exemplary science writing."—*Kirkus Reviews* (starred review)

From one of the pioneers of the scientific study of happiness, an indispensable guide to living your best life. What makes a good life? Is it money? An important job? Leisure time? Mihaly Csikszentmihalyi believes our obsessive focus on such measures has led us astray. Work fills our days with anxiety and pressure, so that during our free time, we tend to live in boredom,

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watching TV or absorbed by our phones. What are we missing? To answer this question, Csikszentmihalyi studied thousands of people, and he found the key. People are happiest when they challenge themselves with tasks that demand a high degree of skill and commitment, and which are undertaken for their own sake. Instead of watching television, play the piano. Take a routine chore and figure out how to do it better, faster, more efficiently. In short, learn the hidden power of complete engagement, a psychological state the author calls flow. Though they appear simple, the lessons in *Finding Flow* are life-changing.

The World as I See It is a book by Albert Einstein translated from the German by A. Harris and published in 1935 by John Lane The Bodley Head. The original German book is *Mein Weltbild* by Albert Einstein, first published in 1934 by Rudolf Kayser.

This book gives a personal record of scientific adventures during the development of physics.

The bestselling author of $E=mc^2$ weaves tales of romance, divine inspiration, and fraud through an account of the invisible force that permeates our universe—electricity—and introduces us to the virtuoso scientists who plumbed its secrets. For centuries, electricity was seen as little more than a curious property of certain substances that sparked when rubbed. Then, in the 1790s, Alessandro Volta began the scientific investigation that ignited an explosion of knowledge and invention. The force that once seemed inconsequential was revealed to be responsible for everything from the structure of the atom to the functioning of our

brains. In harnessing its power, we have created a world of wonders—complete with roller coasters and radar, computer networks and psychopharmaceuticals. In *Electric Universe*, the great discoverers come to life in all their brilliance and idiosyncrasy, including the visionary Michael Faraday, who struggled against the prejudices of the British class system, and Samuel Morse, a painter who, before inventing the telegraph, ran for mayor of New York City on a platform of persecuting Catholics. Here too is Alan Turing, whose dream of a marvelous thinking machine—what we know as the computer—was met with indifference, and who ended his life in despair after British authorities forced him to undergo experimental treatments to “cure” his homosexuality. From the frigid waters of the Atlantic to the streets of Hamburg during a World War II firestorm to the interior of the human body, *Electric Universe* is a mesmerizing journey of discovery.

NEW YORK TIMES BEST SELLER • The epic story of the greatest quest in all of science—the holy grail of physics that would explain the creation of the universe—from renowned theoretical physicist and author of *The Future of the Mind* and *The Future of Humanity* When Newton discovered the law of gravity, he unified the rules governing the heavens and the Earth. Since then, physicists have been placing new forces into ever-grander theories. But perhaps the

ultimate challenge is achieving a monumental synthesis of the two remaining theories—relativity and the quantum theory. This would be the crowning achievement of science, a profound merging of all the forces of nature into one beautiful, magnificent equation to unlock the deepest mysteries in science: What happened before the Big Bang? What lies on the other side of a black hole? Are there other universes and dimensions? Is time travel possible? Why are we here? Kaku also explains the intense controversy swirling around this theory, with Nobel laureates taking opposite sides on this vital question. It is a captivating, gripping story; what's at stake is nothing less than our conception of the universe. Written with Kaku's trademark enthusiasm and clarity, this epic and engaging journey is the story of *The God Equation*.

Widely considered the greatest genius of all time, Albert Einstein revolutionised our understanding of the cosmos with his general theory of relativity and helped to lead us into the atomic age. Yet in the final decades of his life he was also ignored by most working scientists, his ideas opposed by even his closest friends. This stunning downfall can be traced to Einstein's earliest successes and to personal qualities that were at first his best assets. Einstein's imagination and self-confidence served him well as he sought to reveal the universe's structure, but when it came to newer revelations in the field of quantum mechanics, these

same traits undermined his quest for the ultimate truth. David Bodanis traces the arc of Einstein's intellectual development across his professional and personal life, showing how Einstein's confidence in his own powers of intuition proved to be both his greatest strength and his ultimate undoing. He was a fallible genius. An intimate and enlightening biography of the celebrated physicist, Einstein's Greatest Mistake reveals how much we owe Einstein today - and how much more he might have achieved if not for his all-too-human flaws.

Was Einstein's first wife his uncredited coauthor, unpaid assistant, or his unacknowledged helpmeet? The real “Mileva Story.” Albert Einstein's first wife, Mileva Einstein-Mari?, was forgotten for decades. When a trove of correspondence between them beginning in their student days was discovered in 1986, her story began to be told. Some of the tellers of the “Mileva Story” made startling claims: that she was a brilliant mathematician who surpassed her husband, and that she made uncredited contributions to his most celebrated papers in 1905, including his paper on special relativity. This book, based on extensive historical research, uncovers the real “Mileva Story.” Mileva was one of the few women of her era to pursue higher education in science; she and Einstein were students together at the Zurich Polytechnic. Mileva's ambitions for a science career, however, suffered a series of setbacks—failed diploma

examinations, a disagreement with her doctoral dissertation adviser, an out-of-wedlock pregnancy by Einstein. She and Einstein married in 1903 and had two sons, but the marriage failed. Was Mileva her husband's uncredited coauthor, unpaid assistant, or his essential helpmeet? It's tempting to believe that she was her husband's secret collaborator, but the authors of *Einstein's Wife* look at the actual evidence, and a chapter by Ruth Lewin Sime offers important historical context. The story they tell is that of a brave and determined young woman who struggled against a variety of obstacles at a time when science was not very welcoming to women.

This unique book offers a concise, introductory overview of general relativity and black holes, motivating students to become active participants in carrying out their own investigations. To this end, the book uses calculus and algebra, rather than tensors, to make general relativity accessible to sophomores and juniors. Five chapters introduce basic concepts, and seven projects require the reader to apply these basic concepts to real astronomical applications.

“A thought-provoking critique of Einstein’s tantalizing combination of brilliance and blunder.”—Andrew Robinson, *New Scientist* Never before translated into English, the *Manimekhalai* is one of the great classics of Indian culture.

The science behind the traits and quirks that drive creative geniuses to make

spectacular breakthroughs What really distinguishes the people who literally change the world--those creative geniuses who give us one breakthrough after another? What differentiates Marie Curie or Elon Musk from the merely creative, the many one-hit wonders among us? Melissa Schilling, one of the world's leading experts on innovation, invites us into the lives of eight people--Albert Einstein, Benjamin Franklin, Elon Musk, Dean Kamen, Nikola Tesla, Marie Curie, Thomas Edison, and Steve Jobs--to identify the traits and experiences that drove them to make spectacular breakthroughs, over and over again. While all innovators possess incredible intellect, intellect alone, she shows, does not create a breakthrough innovator. It was their personal, social, and emotional quirkiness that enabled true genius to break through--not just once but again and again. Nearly all of the innovators, for example, exhibited high levels of social detachment that enabled them to break with norms, an almost maniacal faith in their ability to overcome obstacles, and a passionate idealism that pushed them to work with intensity even in the face of criticism or failure. While these individual traits would be unlikely to work in isolation--being unconventional without having high levels of confidence, effort, and goal directedness might, for example, result in rebellious behavior that does not lead to meaningful outcomes--together they can fuel both the ability and drive to pursue what others deem impossible.

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Schilling shares the science behind the convergence of traits that increases the likelihood of success. And, as Schilling also reveals, there is much to learn about nurturing breakthrough innovation in our own lives--in, for example, the way we run organizations, manage people, and even how we raise our children.

David Bodanis presents this history of the turbulent love affair that fired the Enlightenment's intellectual revolution.

Albert Einstein remains the quintessential icon of modern genius. Like Newton and many others, his seminal work in physics includes the General Theory of Relativity, the Absolute Nature of Light, and perhaps the most famous equation of all time: $E=mc^2$. Following his death in 1955, Einstein's brain was removed and preserved, but has never been fully or systematically studied. In fact, the sections are not even all in one place, and some are mysteriously unaccounted for! In this compelling tale, Frederick E. Lepore delves into the strange, elusive afterlife of Einstein's brain, the controversy surrounding its use, and what its study represents for brain and/or intelligence studies. Carefully reacting to the skepticism of 21st century neuroscience, Lepore more broadly examines the philosophical, medical, and scientific implications of brain-examination. Is the brain simply a computer? If so, how close are we to artificially creating a human brain? Could scientists create a second Einstein? This "biography of a brain"

attempts to answer these questions, exploring what made Einstein's brain anatomy exceptional, and how "found" photographs--discovered more than a half a century after his death--may begin to uncover the nature of genius. Princeton. New Jersey. 14th March 1954 'Albert Einstein speaking.' 'Who?' asks the girl on the telephone. 'I'm sorry,' she says. 'I have the wrong number.' 'You have the right number,' Albert says. From a wrong number to a friendship that would impact both their lives, *Albert Einstein Speaking* begins with two unlikely friends - the world's most respected scientist and a schoolgirl from New Jersey. From their first conversation Mimi Beaufort had a profound effect on Einstein and brought him, in his final years, back to life. In turn he let her into his world. *Albert Einstein Speaking* is the story of an incredible friendship, and of a remarkable life. The son of an electrician in nineteenth-century Germany, Albert Einstein went on to become one of the twentieth century's most influential scientists and the most famous face in the world. This riotous, charming and moving novel spans almost a century of European history and shines a light on the real man behind the myth.

Taking readers inside the classrooms and minds of these giants of modern science, Moffat affectionately exposes the foibles and eccentricities of famous physicists, as they worked on the revolutionary ideas that, today, are the very

foundation of modern physics and cosmology.

Generations have grown up knowing that the equation $E=mc^2$ changed the shape of our world, but never understanding what it actually means, why it was so significant, and how it informs our daily lives today--governing, as it does, everything from the atomic bomb to a television's cathode ray tube to the carbon dating of prehistoric paintings. In this book, David Bodanis writes the "biography" of one of the greatest scientific discoveries in history--that the realms of energy and matter are inescapably linked--and, through his skill as a writer and teacher, he turns a seemingly impenetrable theory into a dramatic human achievement and an uncommonly good story.

NOW A MAJOR SERIES 'GENIUS' ON NATIONAL GEOGRAPHIC, PRODUCED BY RON HOWARD AND STARRING GEOFFREY RUSH Einstein is the great icon of our age: the kindly refugee from oppression whose wild halo of hair, twinkling eyes, engaging humanity and extraordinary brilliance made his face a symbol and his name a synonym for genius. He was a rebel and nonconformist from boyhood days. His character, creativity and imagination were related, and they drove both his life and his science. In this marvellously clear and accessible narrative, Walter Isaacson explains how his mind worked and the mysteries of the universe that he discovered. Einstein's success came from questioning

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conventional wisdom and marvelling at mysteries that struck others as mundane. This led him to embrace a worldview based on respect for free spirits and free individuals. All of which helped make Einstein into a rebel but with a reverence for the harmony of nature, one with just the right blend of imagination and wisdom to transform our understanding of the universe. This new biography, the first since all of Einstein's papers have become available, is the fullest picture yet of one of the key figures of the twentieth century. This is the first full biography of Albert Einstein since all of his papers have become available -- a fully realised portrait of this extraordinary human being, and great genius. Praise for EINSTEIN by Walter Isaacson:- 'YOU REALLY MUST READ THIS.' Sunday Times 'As pithy as Einstein himself.' New Scientist '[A] brilliant biography, rich with newly available archival material.' Literary Review 'Beautifully written, it renders the physics understandable.' Sunday Telegraph 'Isaacson is excellent at explaining the science.' Daily Express

This brief and witty book, by the award-winning science writer Donald Goldsmith, takes on key questions about the origin and evolution of the cosmos. By clearly laying out what we currently know about the universe as a whole, Goldsmith lets us see firsthand whether modern cosmology is in a state of crisis.

“What Bodanis does brilliantly is to give us a feel for Einstein as a person. I don't

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think I've ever read a book that does this as well" (Popular Science). In this "fascinating" biography, the acclaimed author of $E=mc^2$ reveals that in spite of his indisputable brilliance, Albert Einstein found himself ignored by most working scientists during the final decades of his life, his ideas opposed by even his closest friends (Forbes). How did this happen? Einstein revolutionized our understanding of the cosmos with his general theory of relativity, and helped lead us into the atomic age. This book goes beyond his remarkable intellect and accomplishments to examine the man himself, from the skeptical, erratic student to the world's greatest physicist to the fallen-from-grace celebrity. An intimate biography that "imparts fresh insight into the genius—and failures—of the 20th century's most celebrated scientist," Einstein's Greatest Mistake reveals what we owe Einstein today—and how much more he might have achieved if not for his all-too-human flaws (Publishers Weekly). Named a Science Book of the Year by the Sunday Times and one of the Top Five Science Books of 2016 by ABC News Australia, this unique book "offers a window onto Einstein's achievements and missteps, as well as his life—his friendships, his complicated love life (two marriages, many affairs) and his isolation from other scientists at the end of his life" (BookPage).

Paul Dirac was among the great scientific geniuses of the modern age. One of the discoverers

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of quantum mechanics, the most revolutionary theory of the past century, his contributions had a unique insight, eloquence, clarity, and mathematical power. His prediction of antimatter was one of the greatest triumphs in the history of physics. One of Einstein's most admired colleagues, Dirac was in 1933 the youngest theoretician ever to win the Nobel Prize in physics. Dirac's personality is legendary. He was an extraordinarily reserved loner, relentlessly literal-minded and appeared to have no empathy with most people. Yet he was a family man and was intensely loyal to his friends. His tastes in the arts ranged from Beethoven to Cher, from Rembrandt to Mickey Mouse. Based on previously undiscovered archives, *The Strangest Man* reveals the many facets of Dirac's brilliantly original mind. A compelling human story, *The Strangest Man* also depicts a spectacularly exciting era in scientific history.

From a New York Times bestselling author, a fresh and detail-rich argument that the best way to lead is to be fair Can you succeed without being a terrible person? We often think not: recognizing that, as the old saying has it, "nice guys finish last." But does that mean you have to go to the other extreme and be a bully or Machiavellian to get anything done? In *The Art of Fairness*, bestselling author David Bodanis uses thrilling case studies to show there's a better path, leading neatly in between. He reveals how it was fairness, applied with skill, that led the Empire State Building to be constructed in barely a year—and how the same techniques brought a quiet English debutante to become an acclaimed jungle guerrilla fighter. In ten vivid profiles featuring pilots, presidents, and even the producer of *Game of Thrones*, we see that the path to greatness doesn't require crushing displays of power or tyrannical ego. Simple fair decency can prevail. With surprising insights from across history—including the downfall of the very man who popularized the phrase "nice guys finish last"—*The Art of Fairness* charts a

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refreshing and sustainable new approach to cultivating integrity and influence.

One of TIME's Ten Best Nonfiction Books of the Decade "Meet the new Stephen Hawking . . .

The Order of Time is a dazzling book." --The Sunday Times From the bestselling author of Seven Brief Lessons on Physics, Reality Is Not What It Seems, and Helgoland, comes a concise, elegant exploration of time. Why do we remember the past and not the future? What does it mean for time to "flow"? Do we exist in time or does time exist in us? In lyric, accessible prose, Carlo Rovelli invites us to consider questions about the nature of time that continue to puzzle physicists and philosophers alike. For most readers this is unfamiliar terrain. We all experience time, but the more scientists learn about it, the more mysterious it remains. We think of it as uniform and universal, moving steadily from past to future, measured by clocks. Rovelli tears down these assumptions one by one, revealing a strange universe where at the most fundamental level time disappears. He explains how the theory of quantum gravity attempts to understand and give meaning to the resulting extreme landscape of this timeless world. Weaving together ideas from philosophy, science and literature, he suggests that our perception of the flow of time depends on our perspective, better understood starting from the structure of our brain and emotions than from the physical universe. Already a bestseller in Italy, and written with the poetic vitality that made Seven Brief Lessons on Physics so appealing, The Order of Time offers a profoundly intelligent, culturally rich, novel appreciation of the mysteries of time.

An "intriguing and accessible" (Publishers Weekly) interpretation of the life of Galileo Galilei, one of history's greatest and most fascinating scientists, that sheds new light on his discoveries and how he was challenged by science deniers. "We really need this story now,

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because we're living through the next chapter of science denial" (Bill McKibben). Galileo's story may be more relevant today than ever before. At present, we face enormous crises—such as minimizing the dangers of climate change—because the science behind these threats is erroneously questioned or ignored. Galileo encountered this problem 400 years ago. His discoveries, based on careful observations and ingenious experiments, contradicted conventional wisdom and the teachings of the church at the time. Consequently, in a blatant assault on freedom of thought, his books were forbidden by church authorities. Astrophysicist and bestselling author Mario Livio draws on his own scientific expertise and uses his “gifts as a great storyteller” (The Washington Post) to provide a “refreshing perspective” (Booklist) into how Galileo reached his bold new conclusions about the cosmos and the laws of nature. A freethinker who followed the evidence wherever it led him, Galileo was one of the most significant figures behind the scientific revolution. He believed that every educated person should know science as well as literature, and insisted on reaching the widest audience possible, publishing his books in Italian rather than Latin. Galileo was put on trial with his life in the balance for refusing to renounce his scientific convictions. He remains a hero and inspiration to scientists and all of those who respect science—which, as Livio reminds us in this “admirably clear and concise” (The Times, London) book, remains threatened everyday. The first account of the role Britain played in Einstein's life--first by inspiring his teenage passion for physics, then by providing refuge from the Nazis In autumn 1933, Albert Einstein found himself living alone in an isolated holiday hut in rural England. There, he toiled peacefully at mathematics while occasionally stepping out for walks or to play his violin. But how had Einstein come to abandon his Berlin home and go "on the run"? In this lively account,

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Andrew Robinson tells the story of the world's greatest scientist and Britain for the first time, showing why Britain was the perfect refuge for Einstein from rumored assassination by Nazi agents. Young Einstein's passion for British physics, epitomized by Newton, had sparked his scientific development around 1900. British astronomers had confirmed his general theory of relativity, making him internationally famous in 1919. Welcomed by the British people, who helped him campaign against Nazi anti-Semitism, he even intended to become a British citizen. So why did Einstein then leave Britain, never to return to Europe?

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