

Encounters With Einstein

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5 Years of Discovery Stefan University
Press (November7, 2016)

A sweeping cultural history of one of the most influential mathematical books ever written Euclid's Elements of

Geometry is one of the fountainheads of mathematics—and of culture. Written around 300 BCE, it has traveled widely across the centuries, generating countless new ideas and inspiring such figures as Isaac Newton, Bertrand Russell, Abraham Lincoln, and Albert Einstein. Encounters with Euclid tells the story of this incomparable mathematical masterpiece, taking readers from its origins in the ancient world to its continuing influence today. In this lively and informative book, Benjamin Wardhaugh explains how Euclid's text journeyed from antiquity to the

Renaissance, introducing some of the many readers, copyists, and editors who left their mark on the Elements before handing it on. He shows how some read the book as a work of philosophy, while others viewed it as a practical guide to life. He examines the many different contexts in which Euclid's book and his geometry were put to use, from the Neoplatonic school at Athens and the artisans' studios of medieval Baghdad to the Jesuit mission in China and the workshops of Restoration London. Wardhaugh shows how the Elements inspired ideas in theology, art, and music, and how the book has acquired new relevance to the strange geometries of dark matter and curved space. Encounters with Euclid traces the life and afterlives of one of the most

remarkable works of mathematics ever written, revealing its lasting role in the timeless search for order and reason in an unruly world.

Einstein's Unification Anchor

"Highly entertaining." —Adam Gopnik, The New Yorker "Funny, curious, erudite, and full of useful details about ancient techniques of training memory." —The Boston Globe The blockbuster phenomenon that charts an amazing journey of the mind while revolutionizing our concept of memory An instant bestseller that is poised to become a classic, Moonwalking with Einstein recounts Joshua Foer's yearlong quest to improve his memory under the tutelage of top "mental athletes." He draws on cutting-edge research, a surprising cultural history of remembering, and

venerable tricks of the mentalist's trade to transform our understanding of human memory. From the United States Memory Championship to deep within the author's own mind, this is an electrifying work of journalism that reminds us that, in every way that matters, we are the sum of our memories.

Encounters with Euclid Princeton University Press

Essays discuss the philosophy of science, quantum mechanics, cosmic radiation, elementary particles, and closed theories

Einstein's Jury Penguin

Shedding new light on Einstein's study of unified field theory, this book will interest physicists, historians and

philosophers of science.

Special Relativity: A First Encounter
Princeton University Press

The philosophy of religion and the quest for spiritual truth preoccupied Albert Einstein--so much that it has been said "one might suspect he was a disguised theologian." Nevertheless, the literature on the life and work of Einstein, extensive as it is, does not provide an adequate account of his religious conception and sentiments. Only fragmentarily known, Einstein's ideas about religion have been often distorted both by atheists and by religious groups eager to claim him as one of their own. But what exactly was Einstein's religious credo? In this fascinating book, the distinguished physicist and philosopher Max Jammer offers an unbiased and well-

documented answer to this question. The book begins with a discussion of Einstein's childhood religious education and the religious atmosphere--or its absence--among his family and friends. It then reconstructs, step by step, the intellectual development that led Einstein to the conceptions of a cosmic religion and an impersonal God, akin to "the God of Spinoza." Jammer explores Einstein's writings and lectures on religion and its role in society, and how far they have been accepted by the general public and by professional theologians like Paul Tillich or Frederick Ferré. He also analyzes the precise meaning of Einstein's famous dictum "Science without religion is lame, religion without science is blind," and why this statement can serve as an epitome of

Einstein's philosophy of religion. The last chapter deals with the controversial question of whether Einstein's scientific work, and in particular his theory of relativity, has theologically significant implications, a problem important for those who are interested in the relation between science and religion. Both thought-provoking and engaging, this book aims to introduce readers, without proselytizing, to Einstein's religion.

You are Wrong, Mr. Einstein! OUP
Oxford

The most important scientist of the twentieth century and the most important artist had their periods of greatest creativity almost simultaneously and in remarkably similar circumstances. This fascinating parallel biography of Albert Einstein and Pablo

Picasso as young men examines their greatest creations -- Picasso's Les Demoiselles d'Avignon and Einstein's special theory of relativity. Miller shows how these breakthroughs arose not only from within their respective fields but from larger currents in the intellectual culture of the times. Ultimately, Miller shows how Einstein and Picasso, in a deep and important sense, were both working on the same problem.

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Uncertainty Random House

For Einstein, 1905 was a remarkable year. It was also a miraculous year for the history and future of science. In six

short months, he published five papers that would transform our understanding of nature. This unparalleled period is the subject of Rigden's book, which deftly explains what distinguishes 1905 from all other years in the annals of science, and elevates Einstein above all other scientists of the twentieth century.

A Trip Across America with Einstein's Brain Icon Books Ltd

Stefan University Press Series on Thus Spoke Einstein; ISSN: 1550-4115 Einstein's opinions on science, art, and society.

Time-Hopping Travel—Transcending the Barriers of Time The imaginary conversations (encounters) between Albert Einstein and Vladislav Alexander Stefan. The topics discussed include, among others, the Nature of She-Time, the Time-Travel-

Modes, the Human-Immortality-Codes, and the World Government, as found in Stefan's Faustef Trilogy, SURSORSAR (Secret Pure Wisdom), and the Open World Manifesto.

Page Publishing Inc

What would it be like to be Albert Einstein? What kind of struggles can this great man have? As the last blood relative of Albert Einstein, Stephen, his nephew, would definitely know. The first man to be named the Man of the Century, Albert Einstein is the man who the world looks up to because of his excellence and supreme intellect. He is a genius, for a fact. But to his family, especially to Stephen, who was able to live with his uncle Albert for five summers, he was an ordinary and simple man

Moonwalking with Einstein Basic Books

As World War II wound down and it became increasingly clear that the Allies would emerge victorious, Albert Einstein invited three close friends—all titans of contemporary science and philosophy—to his home at 112 Mercer Street in Princeton, New Jersey, to discuss what they loved best—science and philosophy. His guests were the legendary philosopher and pacifist, Bertrand Russell; the boy wonder of quantum physics, Wolfgang Pauli; and the brilliant logician, Kurt Gödel. Their casual meetings took place far from the horrific battlefields of the war and the (then) secret lair of experimental atomic physicists in Los Alamos, New Mexico. Using these historic meetings as his launching pad, Feldman sketches the

lives and contributions of the four friends, colleagues, and rivals—especially Einstein, innately self-confident but frustrated in his attempt to come up with a unified theory, and the aristocratic but self-doubting Lord Russell. Masterfully researched, this book accessibly illuminates the feelings of these notable men about the world of science that was then beginning to pass them by, and about the dawning atomic age that terrified them all.

Einstein and Heisenberg Simon and Schuster

The untold story of the heretical thinkers who dared to question the nature of our quantum universe Every physicist agrees quantum mechanics is among humanity's finest scientific achievements. But ask what it means,

and the result will be a brawl. For a century, most physicists have followed Niels Bohr's Copenhagen interpretation and dismissed questions about the reality underlying quantum physics as meaningless. A mishmash of solipsism and poor reasoning, Copenhagen endured, as Bohr's students vigorously protected his legacy, and the physics community favored practical experiments over philosophical arguments. As a result, questioning the status quo long meant professional ruin. And yet, from the 1920s to today, physicists like John Bell, David Bohm, and Hugh Everett persisted in seeking the true meaning of quantum mechanics. What Is Real? is the gripping story of this battle of ideas and the courageous scientists who dared to

stand up for truth.

World Scientific

This is a fascinating account of two great scientists of the 20th century: Einstein and Heisenberg, discoverers, respectively, of the theory of relativity and quantum mechanics. It connects the history of modern physics to the life stories of these two extraordinary physicists. These discoveries laid the foundation of modern physics, without which our digitized world of computers, satellites, and innovative materials would not be possible. This book also describes in comprehensible terms the complicated science underlying the two discoveries. The twin biography highlights the parallels and differences of these two luminaries, showing how their work shaped the 20th century into

the century of physics.

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Space, Time, and the Beauty That Causes Havoc Knopf Canada

Encounters with Einstein And Other Essays on People, Places, and Particles Princeton University Press

Einstein, Picasso Princeton University Press

Albert Einstein's brain floats in a Tupperware bowl in a gray duffel bag in the trunk of a Buick Skylark barreling across America. Driving the car is journalist Michael Paterniti. Sitting next to him is an eighty-four-year-old pathologist named Thomas Harvey, who

performed the autopsy on Einstein in 1955 -- then simply removed the brain and took it home. And kept it for over forty years. On a cold February day, the two men and the brain leave New Jersey and light out on I-70 for sunny California, where Einstein's perplexed granddaughter, Evelyn, awaits. And riding along as the imaginary fourth passenger is Einstein himself, an id-driven genius, the original galactic slacker with his head in the stars. Part travelogue, part memoir, part history, part biography, and part meditation, *Driving Mr. Albert* is one of the most unique road trips in modern literature.

Einstein, Bohr, Heisenberg, and Others Springer Science & Business Media

'This is about gob-smacking science at

the far end of reason ... Take it nice and easy and savour the experience of your mind being blown without recourse to hallucinogens' Nicholas Lezard, *Guardian*

For most people, quantum theory is a byword for mysterious, impenetrable science. And yet for many years it was equally baffling for scientists themselves. In this magisterial book, Manjit Kumar gives a dramatic and superbly-written history of this fundamental scientific revolution, and the divisive debate at its core. Quantum theory looks at the very building blocks of our world, the particles and processes without which it could not exist. Yet for 60 years most physicists believed that quantum theory denied the very existence of reality itself. In this tour de force of science history, Manjit Kumar

shows how the golden age of physics ignited the greatest intellectual debate of the twentieth century. Quantum theory is weird. In 1905, Albert Einstein suggested that light was a particle, not a wave, defying a century of experiments. Werner Heisenberg's uncertainty principle and Erwin Schrodinger's famous dead-and-alive cat are similarly strange. As Niels Bohr said, if you weren't shocked by quantum theory, you didn't really understand it. While "Quantum" sets the science in the context of the great upheavals of the modern age, Kumar's centrepiece is the conflict between Einstein and Bohr over the nature of reality and the soul of science. 'Bohr brainwashed a whole generation of physicists into believing that the problem had been solved',

lamented the Nobel Prize-winning physicist Murray Gell-Mann. But in "Quantum", Kumar brings Einstein back to the centre of the quantum debate. "Quantum" is the essential read for anyone fascinated by this complex and thrilling story and by the band of brilliant men at its heart.

Einstein Studies in Russia Basic Books

This volume offers a selection of the best contributions by Russian scholars--historians and philosophers of science--to the Einstein Studies industry, broadly construed. Most of the papers included here were first published in Russian in the 'Einshteinovskiye Sborniki' series (Einstein Studies), the first of its kind, and initiated in 1966 by Nobel Prize winner Igor Tamm. From 1966-1990, fourteen volumes of the 'Sbornik' were

published by Nauka, the chief academic publisher in the former Soviet Union. The book explores such topics as the historical and foundational issues in general relativity and relativistic cosmology, Einstein's contributions to quantum theory of radiation, and the rise of Dirac's quantum electrodynamics. The volume also includes a detailed description of the physics colloquium Einstein established and coordinated in 1912-1914 in Zurich. The contributors draw extensively on documentation previously unavailable to most scholars. Thus the materials from various Russian archives shed new light on the famous exchange (regarding the first evolutionary cosmological models) between Einstein and Aleksandr Friedmann in the early 1920s and on the

role of Boris Podolsky and Vladimir Fock in the emergence of quantum electrodynamics. The little-known correspondence between Einstein and a famous German pilot Paul Ehrhardt suggests that, during World War I, Einstein was involved with aero- and hydrodynamics and thought about ways of improving airfoil design. Other articles discuss new approaches to important questions in the foundations of general relativity and cosmology. Historians, philosophers, and sociologists of science should be prepared to find much new and unexpected material in this engaging volume presenting the best of the recent Russian scholarship in the field. The book will be accessible to the general reader as well.

How an Ancient Greek Geometry Text

Shaped the World Princeton University Press

A narrative portrait based on the complete body of Einstein's papers offers insight into his contributions to science, in an account that describes the influence of his discoveries on his personal views about morality, politics, and tolerance.

From Einstein to Elvis Cambridge University Press

One of The New York Times Book Review's "10 Best Books of 2021" Shortlisted for the 2021 International Booker Prize A fictional examination of the lives of real-life scientists and thinkers whose discoveries resulted in moral consequences beyond their imagining. When We Cease to

Understand the World is a book about the complicated links between scientific and mathematical discovery, madness, and destruction. Fritz Haber, Alexander Grothendieck, Werner Heisenberg, Erwin Schrödinger—these are some of luminaries into whose troubled lives Benjamín Labatut thrusts the reader, showing us how they grappled with the most profound questions of existence. They have strokes of unparalleled genius, alienate friends and lovers, descend into isolation and insanity. Some of their discoveries reshape human life for the better; others pave the way to chaos and unimaginable suffering. The lines are never clear. At a breakneck pace and with a wealth of disturbing detail, Labatut uses the imaginative resources of fiction to tell

the stories of the scientists and mathematicians who expanded our notions of the possible.

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REVIEW OF ENCOUNTERS WITH EINSTEIN

- This novel is an interesting read to the 21st-century reader in part because of the demonstration of the burgeoning talent of its famous co-author (Twain) and in part because one can compare its story to modern society and government. The Victorian melodramatic aspects of the book are less interesting, and the family saga aspect of the novel needs work (some characters get lost for a dozen chapters or so and then turn up in Australia, for no apparent reason). Twain's writing for the satirical portions is excellent and worth reading. All in all,

then, a decent read, even though part of the novel has not stood the test of time. For someone who is interested in Twain or political novels, I would give it 4 stars. However, I have to say that I found the Kindle version of the book to be inadequate. (YES, I am talking about the Modern Library edition and not some scanned edition.) The book is full of chapter epigrams (over 63 of them) and footnotes, almost all of which are not "clickable." In a properly produced book, you can get to a footnote by moving the cursor to it and clicking on it. You are then brought to that note, and after reading it, you hit "back" to return to the text. This is convenient and about the only acceptable way to read notes in an e-book. (I guess they could be presented at the bottom of the page, though that

would probably create difficult formatting problems.) The Modern Library chose not to do that for its own notes and for the epigrams in many obscure languages. Instead, to read a footnote, you had to go through the following simple steps (which I am not making up): 1. Hit "Menu" 2. Select "Go to..." 3. Select "Table of Contents" [Notes is not an option.] 4. Page ahead three times until you get to the page when Notes are listed on the Table of Contents. 5. Move the cursor down to "Notes"; Click 6. Now page forward through the notes until you find the footnote you are looking for. If it is a later chapter, this could be 5 or 10 pages. 7. When done reading, hit "Back" twice to return to the text. Child's play, eh? You do this *every time you want to read a footnote*! Only the authors' very

few original footnotes were directly clickable. The many more editor's footnotes required the above procedure. Alternatively, you could memorize the book location where the notes were, and directly type that in at step 3 above, although that doesn't save as many keystrokes as you would think, because numbers are typed in via an awkward menu, rather than directly. The text of the book tells us that the epigrams are translated on page 475. However, the page numbers in the Kindle edition only go up to page 269 according to the Go to... menu. So much for reading the epigrams! I read all them after finishing the novel, since trying to find them in each of the 63 chapters would have been impossible. Well, it would have been possible if the editors had simply

put the translations in the text or made the epigrams clickable to their translations. However, that would have required a little programming work. Oh, I'm not bitter! However, my rating of the production of this e-book is only 2 stars, so my overall rating (novel itself plus Modern Library's production) is 3 stars. If you're the kind of person who doesn't care about footnotes, then you can probably enjoy this publication much more than I did. Or, now that you know of this problem, you can just forget the footnotes and read through without letting them annoy you. Modern Library is an excellent publisher of printed books, but they need to understand that getting us to spend money for an e-book may require thoughtfulness and programming on their part. If they don't put in this

work, you might as well just download a free scanned version.

- I enjoy the entire series as a child and have set out to purchase the entire series for my children.