
Total Genial Albert Einstein

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Albert Einstein, The Human Side
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STARK EVAN

On a Beam of Light Crown

A collection of insightful and thought provoking essays from one of the greatest thinkers of the twentieth century A new edition of the most definitive collection of Albert Einstein's popular writings, gathered under the supervision of Einstein himself. The selections range from his earliest days as a theoretical physicist to his death in 1955; from such subjects as relativity, nuclear war or peace, and religion and science, to human rights, economics, and government.

Albert Einstein ABDO

A thrilling adventure story chronicling the perilous journey of the scientists who set out to prove the theory of relativity--the results of which catapulted Albert Einstein to fame and forever changed our understanding of the universe. In 1911, a relatively unknown physicist named Albert Einstein published his preliminary theory of gravity. But it hadn't been tested. To do that, he needed a photograph of starlight as it passed the sun during a total solar eclipse. So began a nearly decade-long quest by seven determined astronomers from observatories in four countries, who traveled the world during five eclipses to capture the elusive sight. Over the years, they faced thunderstorms, the ravages of a world war, lost equipment, and local superstitions. Finally, in May of 1919, British expeditions to northern Brazil and the island of Príncipe managed to photograph the stars, confirming Einstein's theory. At its heart, this is a story of frustration, faith, and ultimate victory--and of the scientists whose efforts helped build the framework for the big bang theory, catapulted Einstein to international

fame, and shook the foundation of physics.

Albert Einstein: Physicist & Genius Princeton University Press

. . . I probably would have written ages ago, only I was not aware that you were still alive. . . .-Tyfanny Thank you for your letter of July 10th. I have to apologize to you that I am still among the living. There will be a remedy for this, however. . . .-Albert Einstein. . . I'm a little below average in mathematics. . . . I worry (perhaps too much), although in the end I imagine it will all work out for the best. . . .-Barbara. . . Do not worry about your difficulties in mathematics; I can assure you that mine are still greater. -Albert Einstein This enchanting book displays a small sampling of the amusing, touching, and sometimes precocious letters sent to Albert Einstein by children from around the world, and his often witty and very considerate responses. Alice Calaprice has compiled a delightful and charming collection of more than 70 letters, most never published before, from children to perhaps the greatest scientist of all time. Enhancing this correspondence are numerous photographs showing Einstein amid children, wearing an Indian headdress, carrying a puppet of himself, donning furry slippers, among many other wonderful pictures. They reveal the intimate human side of the great public persona, a man who, though he spent his days contemplating the impersonal abstractions of mathematics and physics, was very fond of children and enjoyed being in their company. Obviously, Einstein led a busy life, and so he could not answer every letter sent to him. Nonetheless, he made time to respond to those that touched him in some way. To Monique from New York, who asked about the age of the

Earth and when it will come to an end, he patiently responded that it is a little more than a billion years old, and, As for the question of the end of it I advise: Wait and see! To six little scientists from Morgan City, Louisiana, who despite the skepticism of their classmates maintained that life would survive even if the sun burned out, he wrote, The minority is sometimes right-but not in your case. Complete with a foreword by Einstein's granddaughter Evelyn, a biography and chronology of Einstein's life, and an introduction by Einstein scholar Robert Schulmann on the great scientist's educational philosophy, this wonderful compilation will be welcomed by teachers, parents, and all the young, budding scientists in their lives. A portion of the author's royalties will be donated to UNICEF. Alice Calaprice (Princeton, NJ) is the editor of *The Quotable Einstein* and *The Expanded Quotable Einstein*, and the author of *An Owl in the House*, a science book for young audiences. She is the in-house editor for *The Collected Papers of Albert Einstein* and the former Senior Editor at Princeton University Press.

Total genial! Albert Einstein Plunkett Lake Press

"Hoffmann does more than convey the emotional impact of Einstein's science on Einstein. He tries to make the general reader see the problems that concerned Einstein and understand the kinds of theories he constructed to solve them... This calls for scientific popularization of a high order... Hoffmann [...] does it very effectively." — Martin Klein and Robert Merton, *The New York Times* "... succeeds in catching some of Einstein's wholeness, the genius and the human being, the scientist and the responsible citizen." — Peter Bergmann, *Physics Today* "What a rewarding and civilizing

book for anyone interested in physics, its history, and the look and smell of the whole era during which relativity and quantum physics established themselves! ... this is one of the few [biographies of Einstein] that gives an authentic view from close up" — Gerald Holton, *The Physics Teacher* "This book deserves to become a best-seller... I know of no other book on Einstein that gives so complete and well balanced a picture of that great man." — Otto Robert Frisch "... it is the very product of [Einstein's] brain that most clearly delineates the man, and to get that across, there is none better than Dr. Hoffmann, who can write so charmingly that even General Relativity sounds like a fun thing in its very profound simplicity..." — Isaac Asimov "Here is an excellent biography of Albert Einstein by a theoretical physicist with broad interests and a deep human understanding... Hoffmann builds a remarkably interesting and human picture of an extremely gifted man..." — Louis Green, *Sky and Telescope* *Albert Einstein* St. Martin's Press A Nobel Laureate relates the fascinating story of Einstein and relativity theory in well-illustrated, nontechnical terms, discussing the meaning of time, gravity and its effect on light, the curving of space-time, more.

Is Einstein Still Right? Prometheus Books

It is now a century ago that one of the icons of modern physics published some of the most influential scientific papers of all times. With his work on relativity and quantum theory, Albert Einstein has altered the field of physics forever. It should not come as a surprise that looking back at Einstein's work, one needs to rethink the whole scope of physics, before and after his time. This book aims to provide a perspective on

the history of modern physics, spanning from the late 19th century up to today. It is not an encyclopaedic work, but it presents the groundbreaking and sometimes provocative main contributions by Einstein as marking the line between 'old' and 'new' physics, and expands on some of the developments and open issues to which they gave rise. This presentation is not meant as a mere celebration of Einstein's work, but as a critical appraisal which provides accurate historical and conceptual information. The contributing authors all have a reputation for working on themes related to Einstein's work and its consequences. Therefore, the collection of papers gives a good representation of what happened in the 100 years after Einstein's landmark *Annalen der Physik* articles. All people interested in the field of physics, history of science and epistemology could benefit from this book. An effort has been made to make the book attractive not only to scientists, but also to people with a more basic knowledge of mathematics and physics.

Albert Einstein PublicAffairs

Einstein was not just the greatest scientist of his generation: he was also a deeply humane thinker concerned with issues and events affecting the world through all the spectra of experience. Frequently lauded for his remarkable breakthroughs in physics and little-known for anything else, the man behind the hair was a prolific writer. Included here are his thoughts on freedom, international security, Zionism, morals and the atomic threat to world peace.

Proving Einstein Right Princeton University Press

The kindly, white-haired old fellow with the bushy mustache once called "the world's grandfather," Albert Einstein was easily the twentieth century's most

remarkable and revered man of science. His leaps of imagination changed forever the way we look at the universe. He gained international celebrity by the very force of his personality, his wry sense of humor (often at the expense of himself), and his limitless humanity. The mind of Albert Einstein bulged at the seams not only with mathematics and physics but also with an insatiable curiosity about life itself. His wide-ranging observations and opinions about the nature of life and the world--not to mention the life and world of nature--are rich in insight, wit, and wisdom. His vision also us a unique opportunity to see ourselves. His thoughts are treasures in small packages; taken as a whole, they offer images and ideas of what we are and what it is possible to be.

[Ideas And Opinions](#) Princeton University Press

Einstein: An Intimate Study of a Great Man, first published in 1944, recounts the personal life of physicist Albert Einstein (1879-1955). The book was written by Einstein's son-in-law, who married his daughter Margot in Berlin in 1930. Einstein was a simple, direct man, but remains today larger-than-life, and as author Marianoff writes, "Einstein's life is not an exciting one. It is not filled with the rush and sweep of spectacular adventures. It has none of the scope and danger of the explorer, who freezes and suffers and agonizes in his search. It is not filled with the stir and headiness of eventful, flamboyant episodes. It is not a colorful panorama of the human pilgrimage...It has no color at all except the color of greatness...It is a mighty epic journey of science—a steady, breathtaking march whose heroic altitude is of such heights that it precludes the ecstatic language so often

applied to singular human endeavors...It has no thrill in it, except the thrill of having changed the tide of man's history and created new channels for his growth...It has no drama in it, except the overpowering drama of a conquest so immeasurable that as long as man remains on earth he will have benefited by it."

The Albert Einstein Collection Volume One
Courier Corporation

The complete guide to everything you ever wanted to know about Einstein This is the single most complete guide to Albert Einstein's life and work for students, researchers, and browsers alike. Written by three leading Einstein scholars who draw on their combined wealth of expertise gained during their work on the Collected Papers of Albert Einstein, this authoritative and accessible reference features more than one hundred entries and is divided into three parts covering the personal, scientific, and public spheres of Einstein's life. An Einstein Encyclopedia contains entries on Einstein's birth and death, family and romantic relationships, honors and awards, educational institutions where he studied and worked, citizenships and immigration to America, hobbies and travels, plus the people he befriended and the history of his archives and the Einstein Papers Project. Entries on Einstein's scientific theories provide useful background and context, along with details about his assistants, collaborators, and rivals, as well as physics concepts related to his work. Coverage of Einstein's role in public life includes entries on his Jewish identity, humanitarian and civil rights involvements, political and educational philosophies, religion, and more. Commemorating the hundredth anniversary of the theory of general

relativity, An Einstein Encyclopedia also includes a chronology of Einstein's life and appendixes that provide information for further reading and research, including an annotated list of a selection of Einstein's publications and a review of selected books about Einstein. More than 100 entries cover the rich details of Einstein's personal, professional, and public life Authoritative entries explain Einstein's family relationships, scientific achievements, political activities, religious views, and more More than 40 illustrations include photos of Einstein and his circle plus archival materials A chronology of Einstein's life, appendixes, and suggestions for further reading provide essential details for further research

The collected papers of Albert Einstein
Princeton University Press

Three captivating volumes reveal how Einstein viewed both the physical universe and the everyday world in which he lived. A century after his theory of general relativity shook the foundations of the scientific world, Albert Einstein's name is still synonymous with genius. This collection is an introduction to one of the world's greatest minds. Essays in Humanism 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. 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 as he addresses the philosophical challenges presented during the turbulence of the Great Depression, World War II, and the dawn of the Cold War. The Theory of Relativity

and Other Essays $E=mc^2$ may be Einstein's most well-known contribution to modern science. Now, on the one-hundredth anniversary of the theory of general relativity, discover the thought process behind this famous equation. In this collection of his seven most important essays on physics, Einstein guides his reader through the many layers of scientific theory that formed a starting point for his discoveries. By both supporting and refuting the theories and scientific efforts of his predecessors, he reveals the origins and meaning of such significant topics as physics and reality, the fundamentals of theoretical physics, the common language of science, the laws of science and of ethics, and an elementary derivation of the equivalence of mass and energy. This remarkable collection, authorized by the Albert Einstein archives, allows the non-scientist to understand not only the significance of Einstein's masterpiece, but also the brilliant mind behind it. *The World As I See It* Authorized by the Albert Einstein Archives, this is a fascinating collection of observations about life, religion, nationalism, and a host of personal topics that engaged the intellect of one of the world's greatest minds. In the aftermath of World War I, Einstein writes about his hopes for the League of Nations, his feelings as a German citizen about the growing anti-Semitism and nationalism of his country, and his opinions about the current affairs of his day. In addition to these political perspectives, *The World As I See It* reveals the idealistic, spiritual, and witty side of this great intellectual as he approaches topics including "Good and Evil," "Religion and Science," "Active Pacifism," "Christianity and Judaism," and "Minorities." Including letters, speeches, articles and essays written

before 1935, this collection offers a complete portrait of Einstein as a humanitarian and as a human being trying to make sense of the changing world around him. This authorized ebook features new introductions by Neil Berger and an illustrated biography of Albert Einstein, which includes rare photos and never-before-seen documents from the Albert Einstein Archives at the Hebrew University of Jerusalem.

The Collected Papers of Albert Einstein, Volume 16 (Translation Supplement) Open Road Media

For use in schools and libraries only. Recounts the life of the scientist whose theories of relativity revolutionized the way we look at space and time.

The Practical Einstein IOS Press

This title examines the remarkable life of Albert Einstein. Readers will learn about his family background, childhood, education, development of scientific and mathematic theories, and societal contributions. Color photos, detailed maps, and informative sidebars accompany easy-to-read, compelling text. Features include a timeline, facts, additional resources, web sites, a glossary, a bibliography, and an index. *Essential Lives* is a series in *Essential Library*, an imprint of ABDO Publishing Company. Grades 6-9.

The Complete Idiot's Guide to Understanding Einstein Princeton University Press

A translation of selected non-English texts included in Volume 16 is available in paperback. Since this supplementary paperback includes only select portions of Volume 16, it is not recommended for purchase without the main volume. Every document in *The Collected Papers of Albert Einstein* appears in the language in which it was written, and

this supplementary paperback volume presents the English translations of select portions of non-English materials in Volume 16. This translation does not include notes or annotations of the documentary volume and is not intended for use without the original language documentary edition, which provides the extensive editorial commentary necessary for a full historical and scientific understanding of the documents.

A Stubbornly Persistent Illusion Twenty-First Century Books

This book contains the great physicist's own explanation of both the special and general theories of relativity. Written for readers interested in the theory but not conversant with the mathematical apparatus of theoretical physics, it presents the ideas in their simplest, most intelligible form.

Einstein's Essays in Science Citadel Press
Thanks to his monumental accomplishments, Albert Einstein's name is synonymous with genius. With his famous $E=MC^2$ and insights into quantum physics, this legendary scientist not only revolutionized the way we understand the universe, but paved the way for such diverse technology as lasers, cell phones, electron microscopes, DVD players, atomic weaponry, and magnetic resonance imaging (MRI). Featuring kid-friendly explanations of the scientific principles, this compelling biography follows Einstein from his childhood through his early career struggles, and on to the theoretical breakthroughs and groundbreaking writings that won him the Nobel Prize. Equally important, we get a complete portrait of the man, who--deeply affected by the Holocaust--dedicated his life to pacifism and equal rights for all.

Physics Before and After Einstein Simon and Schuster

The celebrated physicist and author of *A Brief History of Time* brings together a single-volume compilation of the most important works by Albert Einstein, presenting his papers on the Theory of Relativity, quantum theory, statistical mechanics, the photoelectric effect, and other ground-breaking studies that transformed modern physics. 75,000 first printing.

Einstein's Miraculous Year Oxford University Press

Offer a basic introduction to physics and explains Einstein's scientific theories in laymen's terms, including his theory of general relativity and exploration of quantum mechanics.

Einstein, the Searcher Time Inc. Books

A boy rides a bicycle down a dusty road. But in his mind, he envisions himself traveling at a speed beyond imagining, on a beam of light. This brilliant mind will one day offer up some of the most revolutionary ideas ever conceived. From a boy endlessly fascinated by the wonders around him, Albert Einstein ultimately grows into a man of genius recognized the world over for profoundly illuminating our understanding of the universe. Jennifer Berne and Vladimir Radunsky invite the reader to travel along with Einstein on a journey full of curiosity, laughter, and scientific discovery. Parents and children alike will appreciate this moving story of the powerful difference imagination can make in any life.

Ordinary Genius JHU Press

Five extraordinary papers by Albert Einstein that transformed physics, edited and introduced by John Stachel and with a foreword by Nobel laureate Roger Penrose After 1905, Einstein's miraculous year, physics would never be

the same again. In those twelve months, Einstein shattered many cherished scientific beliefs with five extraordinary papers that would establish him as the world's leading physicist. This book brings those papers together in an accessible format. The best-known papers are the two that founded special relativity: *On the Electrodynamics of Moving Bodies* and *Does the Inertia of a Body Depend on Its Energy Content?* In the former, Einstein showed that absolute time had to be replaced by a new absolute: the speed of light. In the second, he asserted the equivalence of mass and energy, which would lead to the famous formula $E = mc^2$. The book also includes *On a Heuristic Point of View Concerning the Production and Transformation of Light*, in which Einstein challenged the wave theory of light, suggesting that light could also be regarded as a collection of particles. This helped to open the door to a whole new world—that of quantum physics. For ideas in this paper, he won the Nobel Prize in 1921. The fourth paper also led to a Nobel Prize, although for another scientist, Jean Perrin. *On the Movement of Small Particles Suspended in*

Stationary Liquids Required by the Molecular-Kinetic Theory of Heat concerns the Brownian motion of such particles. With profound insight, Einstein blended ideas from kinetic theory and classical hydrodynamics to derive an equation for the mean free path of such particles as a function of the time, which Perrin confirmed experimentally. The fifth paper, *A New Determination of Molecular Dimensions*, was Einstein's doctoral dissertation, and remains among his most cited articles. It shows how to calculate Avogadro's number and the size of molecules. These papers, presented in a modern English translation, are essential reading for any physicist, mathematician, or astrophysicist. Far more than just a collection of scientific articles, this book presents work that is among the high points of human achievement and marks a watershed in the history of science. Coinciding with the 100th anniversary of the miraculous year, this new paperback edition includes an introduction by John Stachel, which focuses on the personal aspects of Einstein's youth that facilitated and led up to the miraculous year.

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