Great Physicists The Life And Times Of Leading Physicists From Galileo To Hawking

Quantum Man
Ten Physicists who Transformed our Understanding of Reality
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The Strangest Man
Feynman
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ELAINA CLARKE

Quantum Man First Second
Stephen Hawking is one of the greatest geniuses of our time. After Albert Einstein; he is one of the most brilliant theoretical physicists in history. Though this great cosmologist is afflicted with ALS (Lou Gehrig’s disease); it did not deter him from pursuing Physics. This book is an unbeatable person’s biography in an engaging manner. It sketches a candid portrait of this one of a kind personality giving insight into his personal and professional life. In a simple language; the complex and confuing world of science have been explained that Hawking as a scientist has traversed through his life. Thus it is comprehensible to even a lay person. The book unravels the life of Hawking’s from the time he was a college student; to becoming a great cosmologist. An inspiring book which will help the reader know one of the greatest minds of the present age. Stephen Hawking is one of the greatest geniuses of our time. After Albert Einstein; he is one of the most brilliant theoretical physicists in history. Though this great cosmologist is afflicted with ALS (Lou Gehrig’s disease); it did not deter him from pursuing Physics. This book is an

unbeatable person’s biography in an engaging manner. It sketches a candid portrait of this one of a kind personality giving insight into his personal and professional life. In a simple language; the complex and confuing world of science have been explained that Hawking as a scientist has traversed through his life. Thus it is comprehensible to even a lay person. The book unravels the life of Hawking’s from the time he was a college student; to becoming a great cosmologist. An inspiring book which will help the reader know one of the greatest minds of the present age. Biography of Stephen Hawking by MAHESH SHARMA: This biography tells the story of Stephen Hawking, a renowned physicist and author who made significant contributions to the world of science and popular culture. With its engaging storytelling and its commitment to scientific discovery, "Biography of Stephen Hawking" is a must-read for anyone interested in the world of physics and scientific innovation. Key Aspects of the Book "Biography of Stephen Hawking": Scientific Innovation: The book highlights Stephen Hawking's significant contributions to the world of physics and scientific discovery. Inspiring Story: The book tells a captivating and inspiring story, showcasing the power of passion, perseverance, and courage in the face of adversity. Popular Culture: The book offers insights into the world of popular culture, highlighting Stephen Hawking's impact on media and entertainment. MAHESH SHARMA is an author and historian who has written extensively on the history of science and technology. "Biography of Stephen Hawking" is one of his most popular works.

Ten Physicists who Transformed our Understanding of Reality Oxford 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.”

Isaac Newton CRC Press

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.

Richard Feynman Random House

With Foreword by S L GlashowWerner Heisenberg and Richard Feynman find quantum physics fascinating and necessary for understanding the atoms. Albert Einstein dislikes it and Isaac

Newton does not understand it, which is not surprising. This is the scenario for animated discussions between five people. Harald Fritzsch brings together Newton and the three great physicists of the 20th century in an imaginary meeting. His ?alter ego? Adrian Haller moderates the discussions.By means of questions and answers the whole cosmos of quantum physics is described in a simple way, easily understandable non-physicists. The beginnings of quantum theory and atomic physics as well as the importance of quantum physics for our daily life ? these and many more topics are the subjects of the interesting and fascinating discussions.

Famous in STEM Yale University Press

Isaac Newton is best known for his theories of motion and gravitation. These laws served as the foundation of science for the past three hundred years. In addition, using a prism, Newton first discovered the that sunlight is actually made up of light rays of many different colors. Among his other discoveries is the branch of mathematics called calculus.

The Strangest Man Great Lives in Graphics

Richard Feynman: physicist . . . Nobel winner . . . bestselling author . . . safe-cracker. In this substantial graphic novel biography, First Second presents the larger-than-life exploits of Nobel-winning quantum physicist, adventurer, musician, world-class raconteur, and one of the greatest minds of the twentieth century: Richard Feynman. Written by nonfiction comics mainstay Jim Ottaviani and brilliantly illustrated by First Second author Leland Myrick, Feynman tells the story of the great man's life from his childhood in Long Island to his work on the Manhattan Project and the Challenger disaster. Ottaviani tackles the bad with the good, leaving the reader delighted by Feynman's exuberant life and staggered at the loss humanity suffered with his death. Anyone who ever wanted to know more about Richard P. Feynman, quantum electrodynamics, the fine art of the bongo drums, the outrageously obscure nation of Tuva, or the development and popularization of the field of physics in the United States need look no further than this rich and joyful work. One of School Library Journal's Best Adult Books 4 Teens titles of 2011 One of Horn Book's Best Nonfiction Books of 2011

Feynman DVA

Leben und Leistung des an einem unheilbaren Nervenleiden erkrankten Physikers Stephen Hawking (Jg. 1942).

Library of the great physicists. Vol. VI. Life and science of Haygens HMH

Paul Dirac, who died in 1984, was one of the greatest physicists of the twentieth century. The warm regard in which he was held, both personally and professionally, by his colleagues shines through each of the contributions to this memorial volume. Most of the articles in this book were first presented at the Dirac Memorial Meeting held in Cambridge in 1985, at which many of Dirac's contemporaries and former students gathered together to commemorate his life and work. Some of the more personal reminiscences offer us a unique glimpse of the character of Dirac - who always remained and intensely private person, shunning honours and publicity even when he was widely regarded as one of the greatest sceintists of our time. This volume also contains a biographical sketch of Dirac and studies Dirac's important contributions to physics and mathematics, which should offer valuable summaries for all those who are interested in the history

of modern physics and the development of ideas of quantum mechanics in the twentieth century.

Das Universum des Stephen W. Hawking World Scientific

Erwin Schrödinger was a brilliant and charming Austrian, a great scientist, and a man with a passionate interest in people and ideas. In this, the first comprehensive biography of Schrödinger, Walter Moore draws upon recollections of Schrödinger's friends, family and colleagues, and on contemporary records, letters and diaries. Schrödinger's life is portrayed against the backdrop of Europe at a time of change and unrest. His best known scientific work was the discovery of wave mechanics, for which he was awarded the Nobel prize in 1933. Schrödinger led a very intense life, both in his scientific research and in his personal life. Walter Moore has written a highly readable biography of this fascinating and complex man, which will appeal not only to scientists but to anyone interested in the history of our times, and in the life and thought of one of the great men of twentieth-century science.

Kelvin: Life, Labours and Legacy Vintage

The late Abraham Pais, author of the award winning biography of Albert Einstein, Subtle is the Lord, here offers an illuminating portrait of another of his eminent colleagues, J. Robert Oppenheimer, one of the most charismatic and enigmatic figures of modern physics. Pais introduces us to a precocious youth who sped through Harvard in three years, made signal contributions to quantum mechanics while in his twenties, and was instrumental in the growth of American physics in the decade before the Second World War, almost single-handedly bringing it to a state of prominence. He paints a revealing portrait of Oppenheimer's life in Los Alamos, where in twenty remarkable, feverish months, and under his inspired guidance, the first atomic bomb was designed and built, a success that made Oppenheimer America's most famous scientist. Pais describes Oppenheimer's long tenure as Director of the Institute of Advanced Study at Princeton, where the two men worked together closely. He shows not only Oppenheimer's brilliance and leadership, but also how his displays of intensity and arrogance won him powerful enemies, ones who would ultimately make him one of the principal victims of the Red Scare of the 1950s. J. Robert Oppenheimer is Abraham Pais's final work, completed after his death by Robert P. Crease, an acclaimed historian of science in his own right. Told with compassion and deep insight, it is the most comprehensive biography of the great physicist available. Anyone seeking an insider's portrait of this enigmatic man will find it indispensable.

You are Wrong, Mr. Einstein! Hachette UK

Few scientists are as recognizable as Stephen Hawking. Despite having Amyotrophic Lateral Sclerosis (Lou Gehrig s disease) an affliction that many experts expected to have killed him decades ago Hawking remains a vital and influential voice in the scientific community. One of the leading cosmologists studying the celestial phenomenon known as black holes, Hawking has also led the way in popularizing science with his best-selling work A Brief History of Time. This biography of Hawking, written by a physicist, provides an accessible introduction to the life and work of an inspirational figure.Stephen Hawking: A Biography provides an overview of the life and work of this brilliant scientist that can be read and appreciated by students and lay people alike.

Heisenberg Probably Slept Here Cambridge University Press

Lord Kelvin was one of the greatest physicists of the Victorian era. Widely known for the development of the Kelvin scale of temperature measurement, Kelvin's interests ranged across thermodynamics, the age of the Earth, the laying of the first transatlantic telegraph cable, not to mention inventions such as an improved maritime compass and a sounding device which allowed depths to be taken both quickly and while the ship was moving. He was an academic engaged in fundamental research, while also working with industry and technological advances. He corresponded and collaborated with other eminent men of science such as Stokes, Joule, Maxwell and Helmholtz, was raised to the peerage as a result of his contributions to science, and finally buried in Westminster Abbey next to Newton. This book contains a collection of chapters, authored by leading experts, covering the life and wide-ranging scientific contributions made by William Thomson, Lord Kelvin (1824-1907).

Great Lives in Graphics: Albert Einstein Icon Books

A "highly readable" account of the role Britain played in Einstein's life—by inspiring his teenage passion for physics and providing refuge from the Nazis (The Wall Street Journal). In late 1933, Albert Einstein found himself living alone in an isolated holiday hut in rural England. There, he toiled peacefully at mathematics, 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”? This lively account tells the story of the world’s greatest scientist’s time in Britain for the first time, showing why the country was the perfect refuge for Einstein from rumored assassination plots 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? “A vivid look at how the U.K. affected the German-born physicist’s life and thinking.” —Publishers Weekly “A marvelous job of pulling new and interesting material out of the Einstein archives . . . I suspect that even readers who have devoured many books about Einstein and are already familiar with his interactions with the English . . . will find much to learn and enjoy.” —Metascience Journal “Robinson has that rare knack for presenting a near-encyclopedic volume of historical information, anecdotes and contemporaneous accounts in a thoroughly delightful fashion.” —Physics World Includes photographs and illustrations

Feynman's Rainbow Great Biographies

A gripping new scientific biography of the revered Nobel Prize–winning physicist (and curious character). Perhaps the greatest physicist of the second half of the twentieth century, Richard Feynman changed the way we think about quantum mechanics, the most perplexing of all physical theories. Here Lawrence M. Krauss, himself a theoretical physicist and best-selling author, offers a unique scientific biography: a rollicking narrative coupled with clear and novel expositions of science at the limits. An immensely colorful persona in and out of the office, Feynman revolutionized our understanding of nature amid a turbulent life. Krauss presents that life—from the death of Feynman’s childhood sweetheart during the Manhattan Project to

his reluctant rise as a scientific icon—as seen through the science, providing a new understanding of the legacy of a man who has fascinated millions. An accessible reflection on the issues that drive physics today, Quantum Man captures the story of a man who was willing to break all the rules to tame a theory that broke all the rules.

Paradox Faber & Faber

Jim Al-Khalili is about to untangle the world's greatest science conundrums... _____ How does the fact that it gets dark at night prove the Universe must have started with a big bang? Where are all the aliens? Why does the length of a piece of string vary depending on how fast it is moving? Our subject is 'perceived paradoxes' - questions or thought-experiments that on first encounter seem impossible to answer, but which science has been able to solve. Our tour of these mind-expanding puzzles will take us through some of the greatest hits of science - from Einstein's theories about space and time, to the latest ideas of how the quantum world works. Some of our paradoxes may be familiar, such as Schrödinger's famous cat, which is seemingly alive and dead at the same time; or the Grandfather Paradox - if you travelled back in time and killed your grandfather you would not have been born and would not therefore have killed your grandfather. Other paradoxes will be new to you, but no less bizarre and fascinating. In resolving our paradoxes we will have to travel to the furthest reaches of the Universe and explore the very essence of space and time. Hold on tight.

Einstein's Greatest Mistake Enslow Publishing, LLC

* * *Download for FREE on Kindle Unlimited + Free BONUS Inside!* * * Read On Your Computer, MAC, Smartphone, Kindle Reader, iPad, or Tablet. Isaac Newton

A Life In Science OUP Oxford

Acclaimed popular-science writer Brian Clegg and popular TV and radio astronomer Rhodri Evans give us a Top Ten list of physicists as the central theme to build an exploration of the most exciting breakthroughs in physics, looking not just at the science, but also the fascinating lives of the scientists themselves. The Top Ten are: 1.Isaac Newton (1642-1727) 2.Niels Bohr (1885-1962) 3.Galileo Galilei (1564-1642) 4.Albert Einstein (1879-1955) 5.James Clerk Maxwell (1831-1879) 6.Michael Faraday (1791-1867) 7.Marie Curie (1867-1934) 8.Richard Feynman (1918-1988) 9.Ernest Rutherford (1871-1937) 10.Paul Dirac (1902-1984) Each of these figures has made a huge contribution to physics. Some are household names, others more of a mystery, but in each case there is an opportunity to combine a better understanding of the way that each of them has advanced our knowledge of the universe with an exploration of their often unusual, always interesting lives. Whether we are with Curie, patiently sorting through tons of pitchblende to isolate radium or feeling Bohr's frustration as once again Einstein attempts to undermine quantum theory, the combination of science and biography humanizes these great figures of history and makes the Physics itself more accessible. In exploring the way the list has been built the authors also put physics in its place amongst the sciences and show how it combines an exploration of the deepest and most profound questions about life and the universe with practical applications that have transformed our lives. The book is structured chronologically, allowing readers to follow the development of scientific knowledge over more than 400 years,

showing clearly how this key group of individuals has fundamentally altered our understanding of the world around us.
Stephen Hawking Biography Dundurn.com
Great PhysicistsOxford University Press, USA
The Adventurous Life of Friedrich Georg Houtermans, Physicist (1903-1966) Springer Science & Business Media
Nobel laureate Erwin Schrödinger's What is Life?, one of the great science classics of the twentieth century appears here together with Mind and Matter.
Einstein on the Run Famous in STEM
*Includes pictures *Includes Hawking's own quotes about his life and work *Includes footnotes, online resources and a bibliography for further reading *Includes a table of contents "My goal is simple. It is a complete understanding of the universe, why it is as it is and why it exists at all." - Stephen Hawking "I am just a child who has never grown up. I still keep asking these 'how' and 'why' questions. Occasionally, I find an answer." - Stephen Hawking In the pantheon of great theoretical physicists that includes the names of such historical luminaries as Isaac Newton and Albert Einstein, it is, perhaps, supremely ironic that the successor to the leading scientific minds of their generations has produced such "groundbreaking work in physics and cosmology," while at the same time battling one of the world's most insidious and relentless diseases. Dr. Stephen William Hawking, British mathematician, theoretical physicist, and cosmologist, is the face of twenty-first century physics, and yet cannot speak directly to his audience. For verbal communication, he relies on the use of an electronically activated vocal synthesizer. The scientist who has most notably carried the ideas of Einstein and his colleagues forward from the early-to-mid 20th century, whether in terms of explanation, rejection, or confirmation of any given question, is no longer able to move his limbs due to the incapacitating effects of ALS, Amyotrophic Lateral Sclerosis. The affliction is better known in the United States as "Lou Gehrig's Disease," named after the great American baseball player. Since 2009, in fact, Hawking can no longer operate his wheelchair. With a failing body but a world-leading mind that has remained active and keen through the years, Dr. Hawking continues to fight for any means of communication that he or his scientific environment can devise, presently placing much of his attention on systems with which to "translate his brain patterns into switch activations." This desperate struggle to stay connected comes at a time in which the amassing of Hawking's theories, developed over the past half-century, seems poised to discover and affirm new solutions to the mysteries of the universe. Occupying a unique place in the history of physics, Hawking, more than Newton or Einstein, lives in the perfect era from which to stand at the threshold of new possibilities for balancing and synchronizing the theories of General Relativity, put forth by his great predecessors, and the newer field of the quantum world, hinted at in the mid-twentieth century but only more recently brought forward by leading proponents. He has devoted the lion's share of his adult life to "probing the space-time described by general relativity and the singularities where it breaks down," and is, in advancing years, more driven than ever by the urge to uncover all he can about the nature of the larger universe. Stephen Hawking: The Life of the World's Most Famous Scientist examines the life and career of the English physicist.

Along with pictures of important people, places, and events, you will learn about Stephen Hawking like never before, in no time at all.

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