

John Gribbin

The Scientists **Deep Simplicity** **Galaxies: A Very Short Introduction** **Ice Age** *In Search of Schrödinger's Cat* **Computing with Quantum Cats** **Nomination of David James Gribbin IV to be General Counsel of the U.S. Department of Transportation** **Six Impossible Things** *Summary of John Gribbin's 13.8* *Summary of John Gribbin's Six Impossible Things* **Flower Hunters** 13.8 *The Last Florida Boy* *Schrödinger's Kittens and the Search for Reality* *Stardust* **Q is for Quantum** *Richard Feynman* *Life Science* *Deep Simplicity* **Impossible, Possible, and Improbable** *FitzRoy* **Get a Grip on Physics** *Alone in the Universe* **The Matter Myth** **Erwin Schrodinger and the Quantum Revolution** *The Birth of Time* *Not Fade Away* **The Cartoon History of Time** **The Men who Measured the Universe** **Simply Schrödinger** *In Search of the Multiverse* **The Science of Philip Pullman's His Dark Materials** **Theories of Human Learning** *Investigation of Organized Crime in Interstate Commerce* **The Search for Superstrings, Symmetry, and the Theory of Everything** *Alone in the Universe* **He Knew He Was Right** *In Search of Schrödinger's Cat* *The Origins of the Future* **Stephen Hawking Companion to the Cosmos**

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Schrödinger's Kittens and the Search for Reality Sep 16 2021 Accessible exploration of one of the most exciting areas of scientific inquiry - the nature of light. Following on from his bestseller, *SCHRÖDINGER'S CAT*, John Gribbin presents the recent dramatic improvements in experimental techniques that have enabled physicists to formulate and test new theories about the nature of light. He describes these theories not in terms of hard-to-imagine entities like spinning subnuclear particles, but in terms of the fate of two small cats, separated at a tender age and carried to opposite ends of the universe. In this way Gribbin introduces the reader to such new developments as quantum cryptography, through which unbreakable codes can be made, and goes on to possible future developments such as the idea that the 'entanglement' of quantum particles could be a way to build a STAR TREK style teleportation machine.

He Knew He Was Right Oct 25 2019 Jim Lovelock is an iconic figure in British science, a prophet whose prophecies are coming true. He is best known as the 'father' of Gaia theory, which is established as the most useful way of understanding the dramatic changes happening to the environment of the Earth. This biography reveals his independent, original and inspiring life.

The Scientists Oct 29 2022 A wonderfully readable account of scientific development over the past five hundred years, focusing on the lives and achievements of individual scientists, by the bestselling author of *In Search of Schrödinger's Cat* In this ambitious new book, John Gribbin tells the stories of the people who have made science, and of the times in which they lived and worked. He begins with Copernicus, during the Renaissance, when science replaced mysticism as a means of explaining the workings of the world, and he continues through the centuries, creating an unbroken genealogy of not only the greatest but also the more obscure names of Western science, a dot-to-dot line linking amateur to genius, and accidental discovery to brilliant deduction. By focusing on the scientists themselves, Gribbin has written an anecdotal narrative enlivened with stories of personal drama, success and failure. A bestselling science writer with an international reputation, Gribbin is among the few authors who could even attempt a work of this magnitude. Praised as "a sequence of witty, information-packed tales" and "a terrific read" by *The Times* upon its recent British publication, *The Scientists* breathes new life into such venerable icons as Galileo, Isaac Newton, Albert Einstein and Linus Pauling, as well as lesser lights whose stories have been undeservedly neglected. Filled with pioneers, visionaries, eccentrics and madmen, this is the history of science as it has never been told before.

Impossible, Possible, and Improbable Apr 11 2021 A scintillating collection of short essays that really does cover 'life, the Universe, and everything'.

Deep Simplicity Sep 28 2022 Over the past two decades, no field of scientific inquiry has had a more striking impact across a wide array of disciplines—from biology to physics, computing to meteorology—than that known as chaos and complexity, the study of complex systems. Now astrophysicist John Gribbin draws on his expertise to explore, in prose that communicates not only the wonder but the substance of cutting-edge science, the principles behind chaos and complexity. He reveals the

remarkable ways these two revolutionary theories have been applied over the last twenty years to explain all sorts of phenomena—from weather patterns to mass extinctions. Grounding these paradigm-shifting ideas in their historical context, Gribbin also traces their development from Newton to Darwin to Lorenz, Prigogine, and Lovelock, demonstrating how—far from overturning all that has gone before—chaos and complexity are the triumphant extensions of simple scientific laws. Ultimately, Gribbin illustrates how chaos and complexity permeate the universe on every scale, governing the evolution of life and galaxies alike.

Alone in the Universe Nov 25 2019 The acclaimed author of *In Search of Schrödinger's Cat* searches for life on other planets Are we alone in the universe? Surely amidst the immensity of the cosmos there must be other intelligent life out there. Don't be so sure, says John Gribbin, one of today's best popular science writers. In this fascinating and intriguing new book, Gribbin argues that the very existence of intelligent life anywhere in the cosmos is, from an astrophysicist's point of view, a miracle. So why is there life on Earth and (seemingly) nowhere else? What happened to make this planet special? Taking us back some 600 million years, Gribbin lets you experience the series of unique cosmic events that were responsible for our unique form of life within the Milky Way Galaxy. Written by one of our foremost popular science writers, author of the bestselling *In Search of Schrödinger's Cat* Offers a bold answer to the eternal question, "Are we alone in the universe?" Explores how the impact of a "supercomet" with Venus 600 million years ago created our moon, and along with it, the perfect conditions for life on Earth From one of our most talented science writers, this book is a daring, fascinating exploration into the dawning of the universe, cosmic collisions and their consequences, and the uniqueness of life on Earth.

Stephen Hawking Jul 22 2019 A Gripping Account Of A Physicist Whose Speculations Could Prove As Revolutionary As Those Of Albert Einstein... It Can Be Consulted As A Clear And Authoritative Guide Through Three Decades Of Hawking's Central Contributions To Cosmology. - Bernard Dixon In *The New Statesman & Society* Excellent... From The Opening Pages, Which Relate The Occasion When Shirley Maclaine Sought An Audience With Her Hero In A Cambridge Restaurant, To The Final Chapter On Hollywood, Fame And Fortune, The Book Is Well-Nigh Unputdownable... [It] Ought To Be Read Alongside A Brief History Of Time As A Kind Of Explanatory Supplement. - Heather Cooper In *The Times Educational Supplement* Fascinating... What Makes This Book So Rewarding Is The Way That The Authors Have Blended Their Account Of Hawking's Science With That Of His Life, Giving A Picture Of A Remarkable Scientist As A Remarkable Person. - Tony Osman In *The Spectator* It's Compulsive Reading, Maybe Because Hawking Towers Above It All, A Complex And Fascinating Character Who Remains Strangely Elusive: Boyish Yet Indomitable, Stubborn Yet Charming, A Private Man Revelling In Fame. - Clare Francis In *The Sunday Express* [Their Book] Conveys How Scientific Research Is Not Just A Dry Intellectual Pursuit But An Adventure Full Of Joy, Despair And Humour, And Fraught With The Sort Of Inter-Personal Problems And Rivalries Which Mark All Human Endeavours. - Bernard Carr In *The Independent* On Sunday Few Scientists Become Legends In Their Own Lifetime. Stephen Hawking Is One. It Is Good To Have This Well-Documented And

Immensely Readable Biography To Remind Us That The Media-Hyped Mute Genius In The Wheelchair Is In Fact A Sensitive, Humorous, Ambitious And Occasionally Wilful Human Being. - Paul Davies In The Times Higher Education Supplement

[Investigation of Organized Crime in Interstate Commerce](#) Jan 28 2020

Six Impossible Things Mar 22 2022 "An elegant and accessible" investigation of quantum mechanics for non-specialists—"highly recommended" for students of the sciences, sci-fi fans, and anyone interested in the strange world of quantum physics (Forbes) Rules of the quantum world seem to say that a cat can be both alive and dead at the same time and a particle can be in two places at once. And that particle is also a wave; everything in the quantum world can be described in terms of waves—or entirely in terms of particles. These interpretations were all established by the end of the 1920s, by Erwin Schrödinger, Werner Heisenberg, Paul Dirac, and others. But no one has yet come up with a common sense explanation of what is going on. In this concise and engaging book, astrophysicist John Gribbin offers an overview of six of the leading interpretations of quantum mechanics. Gribbin calls his account "agnostic," explaining that none of these interpretations is any better—or any worse—than any of the others. Gribbin presents the Copenhagen Interpretation, promoted by Niels Bohr and named by Heisenberg; the Pilot-Wave Interpretation, developed by Louis de Broglie; the Many Worlds Interpretation (termed "excess baggage" by Gribbin); the Decoherence Interpretation ("incoherent"); the Ensemble "Non-Interpretation"; and the Timeless Transactional Interpretation (which theorized waves going both forward and backward in time). All of these interpretations are crazy, Gribbin warns, and some are more crazy than others—but in the quantum world, being more crazy does not necessarily mean more wrong.

The Science of Philip Pullman's His Dark Materials Mar 30 2020 HIS DARK MATERIALS IS SOON TO BE AN HBO ORIGINAL SERIES STARRING DAFNE KEEN, RUTH WILSON, JAMES McAVOY, AND LIN-MANUEL MIRANDA! Philip Pullman's His Dark Materials trilogy is renowned for its mystery and magic. What's the truth behind it all? Is the golden compass actually based in science? How does the subtle knife cut through anything? Could there be a bomb like the one made with Lyra's hair? How do the Gallivespian's lodestone resonators really work? And, of course, what are the Dark Materials? Drawing on string theory and spacetime, quantum physics and chaos theory, award-winning science writers Mary and John Gribbin reveal the real science behind Philip Pullman's bestselling fantasy trilogy in entertaining and crystal-clear prose. Don't miss Philip Pullman's epic new trilogy set in the world of His Dark Materials! ** THE BOOK OF DUST ** La Belle Sauvage—now in paperback The Secret Commonwealth—coming October 3

Q is for Quantum Jul 14 2021 In the ultimate guide to the ultimate mystery--the quantum world--an award-winning scientist and a master of popular science writing explains recent breakthroughs and the wondrous possibilities that lie in the future. Illustrations throughout.

Richard Feynman Life Science Jun 13 2021 One hundred years on from his birth, and 30 since his death, Richard Feynman's discoveries in modern physics are still thoroughly relevant. Magnificently charismatic and fun-loving, he brought a sense of adventure to the study of science. His extraordinary career included war-time work on the atomic bomb at Los Alamos, a profoundly original theory of quantum mechanics, for which he won the Nobel prize, and major contributions to the sciences of gravity, nuclear physics and particle theory. Interweaving personal anecdotes and recollections with clear scientific narrative, acclaimed science writers John and Mary Gribbin reveal a fascinating man with an immense passion for life - a superb teacher, a wonderful showman and one of the greatest scientists of his generation.

[The Last Florida Boy](#) Oct 17 2021

Companion to the Cosmos Jun 20 2019 COMPANION TO THE COSMOS is the brilliant science populariser and an award-winning writer, John Gribbin tells us everything we want to know about the universe.

Get a Grip on Physics Feb 09 2021 Originally published: Get a grip on new physics. London: Weidenfeld and Nicolson, 1999.

In Search of Schrodinger's Cat Jun 25 2022 Quantum theory is so shocking that Einstein could not bring himself to accept it. It is so important that it provides the fundamental underpinning of all modern sciences. Without it, we'd have no nuclear power or nuclear weapons, no TV, no computers, no science of molecular biology, no understanding of DNA, no genetic engineering. In Search of Schrodinger's Cat tells the complete story of quantum mechanics, a truth stranger than any fiction. John Gribbin takes us step by step into an ever more bizarre and

fascinating place, requiring only that we approach it with an open mind. He introduces the scientists who developed quantum theory. He investigates the atom, radiation, time travel, the birth of the universe, superconductors and life itself. And in a world full of its own delights, mysteries and surprises, he searches for Schrodinger's Cat - a search for quantum reality - as he brings every reader to a clear understanding of the most important area of scientific study today - quantum physics. In Search of Schrodinger's Cat is a fascinating and delightful introduction to the strange world of the quantum - an essential element in understanding today's world.

Simply Schrödinger Jun 01 2020 Born in Vienna, Austria, Erwin Schrödinger (1887-1961) was the only child of a Catholic father and an Austrian-English Lutheran mother. He attended the University of Vienna, receiving his doctorate in 1910. For the next 45 years, he held positions at many different universities in Europe, the U.K., and the U.S., a result both of his antipathy to Nazism, as well as his unconventional lifestyle, which often involved living with multiple women at a time. After appointments at Oxford, Princeton, and the University of Graz in Austria, Schrödinger was invited in 1938 to help set up the Dublin Institute for Advanced Studies, where, from 1940 until his retirement in 1955, he served as the director of the School for Theoretical Physics. In addition to his groundbreaking work in physics—for which he received the Nobel Prize in 1933—Schrödinger had a lifelong interest in philosophy and Eastern religion, and his lectures and writings included discussions of such topics as consciousness, free will, and the nature of reality. In *Simply Schrödinger*, acclaimed science writer John Gribbin takes the measure of this singular scientist, who stands with Einstein, Heisenberg, and Dirac as one of the creators of a new scientific reality. While the focus is primarily on Schrödinger's particular contributions to quantum physics—including wave mechanics and wave-particle duality, as well as the famous feline—Gribbin also delves into Schrödinger's fascination with Eastern philosophy and the other distinctive traits that differentiated him from his peers and made him who he was. Written in a personable and accessible style that minimizes jargon and doesn't require a degree in physics, *Simply Schrödinger* is a fascinating introduction to one of the giants of the 20th century, who blazed his own trail in science and in life.

Galaxies: A Very Short Introduction Aug 27 2022 In this fascinating Very Short Introduction, popular science writer John Gribbin tells the story of our growing understanding of galaxies, from the days before Galileo to our present-day observations of our many hundreds of millions of galactic neighbors. Not only are galaxies fascinating astronomical structures in themselves, but their study has revealed much of what we know today about the cosmos, providing a window on the Big Bang and the origins of the Universe. Gribbin looks at our own "Milky Way" Galaxy in detail, from the different kinds of stars that are born within it, to the origins of its magnificent spiral structure. Perhaps most interesting, Gribbin describes the many exciting discoveries that have been made about our own galaxy and about those beyond: how a supermassive black hole lurks at the center of every galaxy, how enormous forces are released when galaxies collide, how distant galaxies provide a window on the early Universe, and how the formation of young galaxies shed needed light on the mysteries of Cold Dark Matter. John Gribbin is one of the best-known current popular science writers. His many books include the acclaimed *The Universe: A Biography*, *In Search of Schrodinger's Cat*, and *Science: A History*. He has written for many newspapers and regularly contributes to radio and television documentaries and debates, and also writes science fiction novels. He formerly worked for *Nature* and *New Scientist* and is presently a Visiting Fellow in Astronomy at the University of Sussex. 1. A Very Short Introduction 2. The Great Debate 3. Our Island 4. The Expanding Universe 5. Across the Universe 6. The Origin of Galaxies 7. The Universe at Large References & Further Reading Index

[Stardust](#) Aug 15 2021 The Gribbins relate the developments in 20th-century astronomy that have led to the shattering realization that all life is made of stardust scattered across the universe in great stellar explosions from supernovae. The authors eloquently explain how the physical structure of the universe has produced conditions ideal for life. 22 illustrations.

Theories of Human Learning Feb 27 2020 Mrs Gribbin invites you to join her as she explores the changing landscape of learning theories and their implications.

The Cartoon History of Time Aug 03 2020 "Junior Chicken and Alexis, the Quantum Cat, explain the extraordinary concepts covered by Stephen Hawking's A Brief History of Time in terms that "even a chicken can

understand." This graphic novel-style treatment teases out the humor in cosmology and quantum physics making it perfect for young readers, while still amusing and enlightening curious folk of all ages"--

Summary of John Gribbin's Six Impossible Things Jan 20 2022 Please note: This is a companion version & not the original book. Sample Book Insights: #1 The standard way of looking at the quantum world is based on the idea of waves, and it largely ignores the caveat as if. The matrices approach is more honest, since it does not pretend to explain what is happening between state A and state B, but it provides less solace than the Schrödinger equation. #2 The Copenhagen Interpretation states that we do not know anything except for the outcomes of experiments. These outcomes depend on what the experiments are designed to measure. These questions are colored by our everyday experiences of the world, on a scale much larger than atoms and other quantum entities. #3 The Copenhagen Interpretation, which is the basis of the modern understanding of quantum mechanics, says that the wave function of a quantum entity spreads out to fill up an area evenly, and then collapses when the area is examined. This is not the same as saying that the electron always was in one half of the box or the other, as the CI insists that the collapse only happens when the contents of the box in the lab are examined. #4 The CI states that an electron is emitted from a source on one side of the experiment as a particle. It immediately dissolves into a probability wave which spreads through the experiment and heads towards the detector screen on the other side. This wave passes through however many holes are open, interfering with itself or not as appropriate, and arrives at the detector as a pattern of probabilities.

In Search of the Multiverse Apr 30 2020 Critical acclaim for John Gribbin "The master of popular science." —Sunday Times (London) "Gribbin explains things very well indeed, and there's not an equation in sight." —David Goodstein, *The New York Times Book Review* (on *Almost Everyone's Guide to Science*) "Gribbin breathes life into the core ideas of complexity science, and argues convincingly that the basic laws, even in biology, will ultimately turn out to be simple." —Nature magazine (on *Deep Simplicity*) "Gribbin takes us through the basics [of chaos theory] with his customary talent for accessibility and clarity. [His] arguments are driven not by impersonal equations but by a sense of wonder at the presence in the universe and in nature of simple, self-organizing harmonies underpinning all structures, whether they are stars or flowers." —Sunday Times (London) (on *Deep Simplicity*) "In the true quantum realm, Gribbin remains the premier expositor of the latest developments." —Booklist (on *Schrödinger's Kittens and the Search for Reality*)

Summary of John Gribbin's 13.8 Feb 21 2022 Please note: This is a companion version & not the original book. Sample Book Insights: #1 The discovery of the cosmic microwave background radiation in 1965 was the first indication that the Universe had a beginning. It was also an indicator of how hot the Universe was in the beginning. #2 Arno Penzias was one of the researchers who worked on the horn antenna at Crawford Hill. He had been born into a Jewish family in Munich, Germany, in 1933, the same year that the Nazis formed the Gestapo. He escaped to America in 1939, and went to Columbia University to study science. #3 The shape of the horn antenna is designed to minimize interference from the ground and provide the best possible measurement of the strength of radio noise coming from different places in space. The strength of this radio noise is measured in terms of temperature, which is calibrated by the temperature of radiation emitted by a black body. #4 The temperature of the Universe is thought to be zero K, but the antenna was actually 2 K hotter than it should have been. The engineers who built the horn antenna had previously measured the temperature of the antenna when pointed at the sky, which was 2.2 K with an uncertainty of plus or minus 2.2 K.

The Search for Superstrings, Symmetry, and the Theory of Everything Dec 27 2019 No one is more successful than this author when it comes to making the cutting edge of physics more accessible to a broad lay audience. In *Schrödinger's Kittens*, he took readers to the eerie world of subatomic particles & waves. Now, he explores the most exciting area of research in physics today: string theory. Following a series of major breakthroughs in the 1990s, physicists are putting together a clearer picture of how subatomic particles work. By hypothesizing particles as a single loop of vibrating "string," they are on the brink of discovering a way to explain all of nature's forces in a single theory. Grandly named "superstrings," & incorporating the ideas of "supersymmetry," these models are the prime candidate for the long sought-for "Theory of Everything." Written in clear & accessible language. *The Search for Superstrings, Symmetry, & the Theory of*

Everything brings to life the remarkable scientific research that is on the cusp of radically altering our conception of the universe.

The Men who Measured the Universe Jul 02 2020 The revolution of our understanding of the cosmos and our place in it happened within a single human lifetime, through a combination of new technology and the dedication of a handful of pioneers. This is their story - of the hard work, perseverance and spirit that unlocked the secrets of the night sky.

Ice Age Jul 26 2022 John and Mary Gribbin tell the remarkable story of how we came to understand the phenomenon of Ice Ages. They focus on the key personalities obsessed with the quest for answers to tantalizing questions. How frequently do Ice Ages occur? How do astronomical rhythms affect the Earth's climate? Have there always been two polar ice caps? What does the future have in store? With startling new material on how the last major Ice Epoch could have hastened human evolution, Ice Age explains why and how we learned the Earth was once covered in ice - and how that made us human. "Best work of science exposition and history that I've read in many years!" - Charles Munger, Vice-Chairman of Berkshire Hathaway Corporation

FitzRoy Mar 10 2021 The Remarkable Story of Darwin's Captain and the Invention of the Weather Forecast The name of Robert FitzRoy, captain of the Beagle, is forever linked with that of his most famous passenger, Charles Darwin. This exceptionally interesting biography brings FitzRoy out of Darwin's shadow for the first time, revealing a man who experienced high adventure, suffered tragic disappointments, and - as the inventor of weather forecasting - saved the lives of countless fellow mariners. John and Mary Gribbin draw a detailed portrait of FitzRoy, recounting the wide range of his accomplishments and exploring the motivations that drove him. As a very young and successful commander in the British navy, FitzRoy's life was in the mold of a Patrick O'Brian novel. This biography focuses well-deserved attention on FitzRoy's status as a master scientist and seaman.

Computing with Quantum Cats May 24 2022 Looking back to Alan Turing's work on the Enigma machine and the first electronic computer, explores the potential for quantum computing to create a world where communication occurs faster than light and teleportation is possible.

In Search of Schrodinger's Cat Sep 23 2019

Flower Hunters Dec 19 2021 This fascinating account of eleven remarkable, eccentric, dedicated, and sometimes obsessive individuals that established the science of botany brings to life these extraordinary adventurers and draws out the scientific and cultural value of their work and its legacy.

Alone in the Universe Jan 08 2021 The acclaimed author of *In Search of Schrödinger's Cat* searches for life on other planets. Are we alone in the universe? Surely amidst the immensity of the cosmos there must be other intelligent life out there. Don't be so sure, says John Gribbin, one of today's best popular science writers. In this fascinating and intriguing new book, Gribbin argues that the very existence of intelligent life anywhere in the cosmos is, from an astrophysicist's point of view, a miracle. So why is there life on Earth and (seemingly) nowhere else? What happened to make this planet special? Taking us back some 600 million years, Gribbin lets you experience the series of unique cosmic events that were responsible for our unique form of life within the Milky Way Galaxy. Written by one of our foremost popular science writers, author of the bestselling *In Search of Schrödinger's Cat* Offers a bold answer to the eternal question, "Are we alone in the universe?" Explores how the impact of a "supercomet" with Venus 600 million years ago created our moon, and along with it, the perfect conditions for life on Earth. From one of our most talented science writers, this book is a daring, fascinating exploration into the dawning of the universe, cosmic collisions and their consequences, and the uniqueness of life on Earth.

13.8 Nov 18 2021 The 20th century gave us two great theories of physics: the general theory of relativity, which describes the behaviour of things on a very large scale, including the entire Universe; and quantum theory, which describes the behaviour of things on a very small scale, the sub-atomic world. The refusal of the Universe to reveal an equation that combines these two great ideas has caused some people to doubt our whole understanding of physics. In this landmark new book, popular science master John Gribbin tells the dramatic story of the quest that has led us to discover the true age of the Universe (13.8 billion years) and the stars (just a little bit younger). This discovery, Gribbin argues, is one of humankind's greatest achievements and shows us that physics is on the right track to finding the 'Theory of Everything'. 13.8 provides an eye-opening look at this cutting-edge area of modern cosmology and physics, and tells the compelling story of what modern science has achieved - and what it can still achieve.

Not Fade Away Sep 04 2020 Buddy Holly was killed at 22 when the plane he was travelling in crashed on 3 February 1959. Although this was less than two years after Holly's first hit record, Don McLean described this as 'the day the music died.' But Sonny Curtis, Holly's friend and musical colleague, told us that the music didn't die, because 'Buddy Holly lives every time you play rock'n'roll.' Fifty years after Holly's death, his lasting influence is clear; a musical based on his life seems set to run for longer than his lifetime and artists as diverse as Blink 182 and Bob Dylan call him an inspiration. The Beatles chose 'That'll Be the Day' by Buddy's group The Crickets as their first attempt at recording, as well as taking the idea for their name. Clearly, the music didn't die! John Gribbin, an ardent fan since he was twelve, presents this labour of love written in the spirit of Sonny Curtis' lyric, as a celebration of Holly's all too brief life, and as an introduction, for all those not around in 1959, to the man and his astonishing musical legacy. "Not Fade Away" also includes - uniquely - a full and detailed account of every Holly recording session, which any Buddy fan will devour.

The Origins of the Future Aug 23 2019 Gribbin focuses on ten controversial, unanswered issues in the physical sciences and explains how current cutting-edge research may yield solutions in the very near future. He explores ideas concerning the creation of the universe, the possibility of other forms of life, and the fate of the expanding cosmos.

Nomination of David James Gribbin IV to be General Counsel of the U.S. Department of Transportation Apr 23 2022

Deep Simplicity May 12 2021 The world around us seems to be a complex place. But, as John Gribbin explains, chaos and complexity obey simple laws - essentially, the same straightforward principles that Isaac Newton discovered more than 300 years ago.

The Birth of Time Oct 05 2020 "Gribbin takes us through the history of cosmological discoveries, focusing in particular on the seventy years since the Big Bang model of the origin of the universe. He explains how conflicting views of the age of the universe and stars converged in the

1990s because scientists (including Gribbin) were able to use data from the Hubble Space Telescope that measured distances across the universe."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

Erwin Schrodinger and the Quantum Revolution Nov 06 2020 A lively, fascinating biography of the father of quantum mechanics by the bestselling author of the science classic, *In Search of Schrödinger's Cat*. Erwin Schrödinger, best known for his famous "Schrödinger's Cat" paradox, is one of the most famous physicists of the early twentieth century and a member of a new generation of quantum physicists, including Werner Heisenberg, Paul Dirac, and Niels Bohr. Yet Schrödinger's scientific discoveries only scratch the surface of what makes him so fascinating. More rumpled than Einstein, a devotee of eastern religion and philosophy, and infamous for his alternative lifestyle, his major contribution to physics—and the work for which he received the Nobel Prize in 1933—was to some extent a disappointment to him. Regardless, Schrödinger's masterpiece became an important part of the new physics of his time. This book tells the story of Schrödinger's surprisingly colorful life during one of the most fertile and creative moments in the history of science. The first accessible, in-depth biography of the Nobel Prize-winning Austrian physicist Erwin Schrödinger. Takes you into the heart of the quantum revolution and explains the captivating world of quantum mechanics, which underpins all of modern science. Written by bestselling author John Gribbin, one of today's greatest popular science writers whose other books include *In Search of Schrödinger's Cat*, *In Search of the Multiverse*, and *Alone in the Universe*.

The Matter Myth Dec 07 2020 Argues that recent developments in quantum physics, astronomy, and chaos theory have forced a reconsideration of the concepts of space, time, and matter. Reprint. 10,000 first printing.