

Beyond Biocentrism Rethinking Time Space Consciousness And The Illusion Of Death

The present framing of the cultural debate in terms of materialism versus religion has allowed materialism to go unchallenged as the only rationally-viable metaphysics. This book seeks to change this. It uncovers the absurd implications of materialism and then, uniquely, presents a hard-nosed non-materialist metaphysics substantiated by skepticism, hard empirical evidence, and clear logical argumentation. It lays out a coherent framework upon which one can interpret and make sense of every natural phenomenon and physical law, as well as the modalities of human consciousness, without materialist assumptions. According to this framework, the brain is merely the image of a self-localization process of mind, analogously to how a whirlpool is the image of a self-localization process of water. The brain doesn't generate mind in the same way that a whirlpool doesn't generate water. It is the brain that is in mind, not mind in the brain. Physical death is merely a de-clenching of awareness. The book closes with a series of educated speculations regarding the afterlife, psychic phenomena, and other related subjects. Short for Quantum Bayesianism, QBism adapts conventional features of quantum mechanics in light of a revised understanding of probability. Using commonsense language, without the equations or weirdness of conventional quantum theory, Hans Christian von Baeyer clarifies the meaning of quantum mechanics and suggests a new approach to general physics.

Robert Lanza is one of the most respected scientists in the world a US News and World Report cover story called him a genius and a renegade thinker, even likening him to Einstein. Lanza has teamed with Bob Berman, the most widely read astronomer in the world, to produce Biocentrism, a revolutionary new view of the universe. Every now and then a simple yet radical idea shakes the very foundations of knowledge. The startling discovery that the world was not flat challenged and ultimately changed the way people perceived themselves and their relationship with the world. For most humans of the 15th century, the notion of Earth as ball of rock was nonsense. The whole of Western, natural philosophy is undergoing a sea change again, increasingly being forced upon us by the experimental findings of quantum theory, and at the same time, toward doubt and uncertainty in the physical explanations of the universes genesis and structure. Biocentrism completes this shift in worldview, turning the planet upside down again with the revolutionary view that life creates the universe instead of the other way around. In this paradigm, life is not an accidental byproduct of the laws of physics. Biocentrism takes the reader on a seemingly improbable but ultimately inescapable journey through a foreign universe our own from the viewpoints of an acclaimed biologist and a leading astronomer. Switching perspective from physics to biology unlocks the cages in which Western science has unwittingly managed to confine itself. Biocentrism will shatter the readers ideas of life--time and space, and even death. At the same time it will release us from the dull worldview of life being merely the activity of an admixture of carbon and a few other elements; it suggests the exhilarating possibility that life is fundamentally immortal. The 21st century is predicted to be the Century of Biology, a shift from the previous century dominated by physics. It seems fitting, then, to begin the century by turning the universe outside-in and unifying the foundations of science with a simple idea discovered by one of the leading life-scientists of our age. Biocentrism awakens in readers a new sense of possibility, and is full of so many shocking new perspectives that the reader will never see reality the same way again.

One of Wall Street Journal's "Best Books for Science Lovers" in 2015 Science is on the cusp of a revolutionary breakthrough. We now understand more about aging—and how to prevent and reverse it—than ever before. In recent years, our understanding of the nature of aging has grown exponentially, and dramatic life extension—even age reversal—has moved from science fiction to real possibility. Dr. Michael Fossel has been in the forefront of aging research for decades and is the author of the definitive textbook on human aging. In The Telomerase Revolution, he takes us on a detailed but highly accessible scientific journey, providing startling insights into the nature of human aging. Twenty years ago, there was still considerable debate of the nature of human aging, with a variety of competing theories in play. But scientific consensus is forming around the telomere theory of aging. The essence of this theory is that human aging is the result of cellular aging. Every time a cell reproduces, its telomeres (the tips of the chromosomes) shorten. With every shortening of the telomeres, the cell's ability to repair its molecules decreases. It ages. Human aging is the result of the aging of the body's trillions of cells. But some of our cells don't age. Sex cells and stem cells can reproduce indefinitely, without aging, because they create telomerase. Telomerase re-lengthens the telomeres, keeping these cells young. The Telomerase Revolution describes how telomerase will soon be used as a powerful therapeutic tool, with the potential to dramatically extend life spans and even reverse human aging. Telomerase-based treatments are already available, and have shown early promise, but much more potent treatments will become available over the next decade. The Telomerase Revolution is the definitive work on the latest science on human aging, covering both the theory and the clinical implications. It takes the reader to the forefront of the upcoming revolution in human medicine.

An investigation into the assignment of moral responsibilities and rights to intelligent and autonomous machines of our own making. One of the enduring concerns of moral philosophy is deciding who or what is deserving of ethical consideration. Much recent attention has been devoted to the "animal question"—consideration of the moral status of nonhuman animals. In this book, David Gunkel takes up the "machine question": whether and to what extent intelligent and autonomous machines of our own making can be considered to have legitimate moral responsibilities and any legitimate claim to moral consideration. The machine question poses a fundamental challenge to moral thinking, questioning the traditional philosophical conceptualization of technology as a tool or instrument to be used by human agents. Gunkel begins by addressing the question of machine moral agency: whether a machine might be considered a legitimate moral agent that could be held responsible for decisions and actions. He then approaches the machine question from the other side, considering whether a machine might be a moral patient due legitimate moral consideration. Finally, Gunkel considers some recent innovations in moral philosophy and critical theory that complicate the machine question, deconstructing the binary agent-patient opposition itself. Technological advances may prompt us to wonder if the science fiction of computers and robots whose actions affect their human companions (think of HAL in 2001: A Space Odyssey) could become science fact. Gunkel's argument promises to influence future considerations of ethics, ourselves, and the other entities who inhabit this world.

The world of pure science by itself is fascinating enough to beat the best of science fiction in generating wonder and excitement. This non-fiction science book would be sure to set your pulse racing. Beyond a lucid explanation of modern physics concepts such as Relativity, and Quantum Physics, this book further traces the history of wonder and scientific thought, studies the philosophies of different cultures, and investigates the science working behind things such as meditation and near-death experience. Studying these different areas and aligning them into a single explanation, the book scientifically investigates the nature of reality, the features of consciousness, the secrets of existence beyond the body and explores an ideal way we should be living our life based on the available evidence from here and beyond.

A classic book on the history of the USA's involvement with Afghanistan

Our species is evolving in preparation for the new world on the horizon • Explains how the increase in intuitive, creative, and abstract-thinking abilities of children as well as incidences of ADHD, dyslexia, and autism signal evolutionary changes at work in humanity--the emergence of the Fifth Root Race • Connects the appearance of these traits with ancient myths and evolutionary calendars as well as predictions by Teilhard de Chardin, Edgar Cayce, and other visionary seers • Reveals how these "new kids" act as agents for world change by reflecting back every misguided aspect of business, politics, religion, and culture The past 30 years have seen a quantum leap in the intuitive, creative, and abstract-thinking abilities of children as well as an unprecedented rise in incidences of ADHD, dyslexia, and autism spectrum disorders.

As P. M. H. Atwater explains, we are witnessing evolution at work. The changes in consciousness and brain function evident in these "new kids" signal the widespread emergence of the Fifth Root Race and, fortuitously, coincide with our transition into the Fifth World. Providing a resource for parents and new kids themselves, Atwater explains what is happening to our species and our world--from neurological changes and climate upheavals to the drive to be constantly "connected" through screen-based technology and the unnecessary widespread use of drug therapies. Sharing individual case histories underscoring the traits of the new-child personality, she reveals how these children, born with universal consciousness encoded in their DNA, act as agents for world change by reflecting back every misguided aspect of business, politics, religion, entertainment, technology, and culture so we can't ignore what needs to be repaired. Atwater shows how children labeled as autistic or otherwise "damaged" have enormous potential for greatness. Connecting recent events and cultural shifts with creation myths, evolutionary calendars, and historical records from every culture as well as predictions by Teilhard de Chardin, Sri Aurobindo, Edgar Cayce, and other visionary seers, Atwater shows how the genetic shift now occurring follows the "Rule of Thirds" in its progression. Exploring timelines for the next several hundred years, she explains that the coming new world will be tailored specifically for the new kids, who will lead the way in the Great Shift from old world to new.

Contributors such as Jimmy Carter, Jonathan Mann, Carl Sagan, Jonas Salk, Linus Pauling, and Robert Gallo examine health and disease on a global scale, from a perspective that encompasses the well-being of the whole of humanity. This enormous project offers a view of the planet's future through the eyes of dozens of the world's best and brightest minds. Do you want to understand something more about the world around you? Do you want to discover the secrets and theories of quantum physics, but do they seem impossible to understand? Does the law of attraction really work? Quantum physics is an integral part of our lives and it is extremely important for us to have at least the basic knowledge on the subject. Most people struggle with it as there are scarcely any books on the topic that is compatible with the needs and demands of people who are just starting out as physicists and need a simple guide to understand the concepts. Here's some of the information included in the book: -Quantum Origins of the Universe -Fundamentals of Quantum Physics -The Photoelectric Effect -How Is Radiation Absorbed? -The Role of Photons in Photoelectric -Photoelectric Effect: Einstein's Theory -Quantum Physics and the Law of Attraction -How Quantum Physics Affects You -What Is The Law Of Attraction? And How To Use It Effectively AND MORE... Learn concepts worthy of an excellent mind without effort, understand the most revolutionary and mysterious rules that govern the universe in which you live.

A rigorous case for the primacy of mind in nature, from philosophy to neuroscience, psychology and physics. The Idea of the World offers a grounded alternative to the frenzy of unrestrained abstractions and unexamined assumptions in philosophy and science today. This book examines what can be learned about the nature of reality based on conceptual parsimony, straightforward logic and empirical evidence from fields as diverse as physics and neuroscience. It compiles an overarching case for idealism - the notion that reality is essentially mental - from ten original articles the author has previously published in leading academic journals. The case begins with an exposition of the logical fallacies and internal contradictions of the reigning physicalist ontology and its popular alternatives, such as bottom-up panpsychism. It then advances a compelling formulation of idealism that elegantly makes sense of - and reconciles - classical and quantum worlds. The main objections to idealism are systematically refuted and empirical evidence is reviewed that corroborates the formulation presented here. The book closes with an analysis of the hidden psychological motivations behind mainstream physicalism and the implications of idealism for the way we relate to the world.

In his most deeply personal work, religious scholar Needleman cuts a clear path through today's clamorous debates over the existence of God, illuminating an entirely new way of approaching the question of how to understand a higher power. In this new book, philosopher Jacob Needleman whose voice and ideas have done so much to open the West to esoteric and Eastern religious ideas in the twentieth and twenty-first centuries intimately considers humanity's most vital question: What is God? Needleman begins by taking us more than a half century into the past, to his own experience as a brilliant, promising, Ivyeducated student of philosophyatheistic, existential, and unwilling to blindly accept childish religiosity. But an unsettling meeting with the venerated Zen teacher D. T. Suzuki, combined with the sudden need to accept a dreary position teaching the philosophy of religion, forced the young academician to look more closely at the religious ideas he had once thought dead. Within traditional religious texts the scholar discovered a core of esoteric and philosophical ideas, more mature and challenging than anything he had ever associated with Judaism, Christianity, and the religions of the East. At the same time, Needleman came to realizeas he shares with the readerthat ideas and words are not enough. Ideas and words, no matter how profound, cannot prevent hatred, arrogance, and ultimate despair, and cannot prevent our individual lives from descending into violence and illusion. And with this insight, Needleman begins to open the reader to a new kind of understanding: The inner realization that in order to lead the lives we were intended for, the very nature of human experience must change, including the very structure of our perception and indeed the very structure of our minds. In What Is God?, Needleman draws us closer to the meaning and nature of this needed changeand shows how our present confusion about the purpose of religion and the concept of God reflects a widespread psychological starvation for this specific quality of thought and experience. In rich and varied detail, the book describes this inner experienceand how almost all of us, atheists and believers alike, actually have been visited by it, but without understanding what it means and why the intentional cultivation of this quality of experience is necessary for the fullness of our existence.

"What game-changing scientific ideas and developments do you expect to live to see?" This is the question John Brockman, publisher of Edge.org, posed to more than 100 of the world's most influential minds. Exhilarating, visionary, sometimes frightening, but always fascinating, their responses provide an eye-opening road map of our near future. If we lose our memories, are we still ourselves? Is identity merely a collection of electrical impulses? What separates us from animals, or from computers? From Plato to Westworld, these questions have fascinated and befuddled philosophers, artists, and scientists for centuries. In The Forgetting Machine, neuroscientist Rodrigo Quian Quiroga explains how the mechanics of memory illuminates these discussions, with implications for everything from

understanding Alzheimer's disease to the technology of Artificial Intelligence. You'll also learn about the research behind what Quian Quiroga coined "Jennifer Aniston Neurons," cells in the human brain that are responsible for representing specific concepts, such as recognizing a certain celebrity's face. The discovery of these neurons opens new windows into the workings of human memory. In this accessible, fascinating look at the science of remembering, discover how we turn perceptions into memories, how language shapes our experiences, and the crucial role forgetting plays in human recollection. You'll see how electricity, chemistry, and abstraction combine to form something more than the human brain, the human mind. And you'll gain surprising insight into what our brains can tell us about who we are. The Forgetting Machine takes us on a journey through science and science fiction, philosophy and identity, using what we know about how we remember (and forget) to explore the very roots of what makes us human.

From "America's nerviest journalist" (Newsweek)--a breath-taking epic, a magnificent adventure story, and an investigation into the true heroism and courage of the first Americans to conquer space. "Tom Wolfe at his very best" (The New York Times Book Review) Millions of words have poured forth about man's trip to the moon, but until now few people have had a sense of the most engrossing side of the adventure; namely, what went on in the minds of the astronauts themselves - in space, on the moon, and even during certain odysseys on earth. It is this, the inner life of the astronauts, that Tom Wolfe describes with his almost uncanny empathetic powers, that made *The Right Stuff* a classic. The opportunity that tissue engineering provides for medicine is extraordinary. In the United States alone, over half-a-trillion dollars are spent each year to care for patients who suffer from tissue loss or dysfunction. Although numerous books and reviews have been written on tissue engineering, none has been as comprehensive in its defining of the field. *Principles of Tissue Engineering* combines in one volume the prerequisites for a general understanding of tissue growth and development, the tools and theoretical information needed to design tissues and organs, as well as a presentation of applications of tissue engineering to diseases affecting specific organ systems. The first edition of the book, published in 1997, is the definite reference in the field. Since that time, however, the discipline has grown tremendously, and few experts would have been able to predict the explosion in our knowledge of gene expression, cell growth and differentiation, the variety of stem cells, new polymers and materials that are now available, or even the successful introduction of the first tissue-engineered products into the marketplace. There was a need for a new edition, and this need has been met with a product that defines and captures the sense of excitement, understanding and anticipation that has followed from the evolution of this fascinating and important field. Key Features * Provides vast, detailed analysis of research on all of the major systems of the human body, e.g., skin, muscle, cardiovascular, hematopoietic, and nerves * Essential to anyone working in the field * Educates and directs both the novice and advanced researcher * Provides vast, detailed analysis of research with all of the major systems of the human body, e.g. skin, muscle, cardiovascular, hematopoietic, and nerves * Has new chapters written by leaders in the latest areas of research, such as fetal tissue engineering and the universal cell * Considered the definitive reference in the field * List of contributors reads like a "who's who" of tissue engineering, and includes Robert Langer, Joseph Vacanti, Charles Vacanti, Robert Nerem, A. Hari Reddi, Gail Naughton, George Whitesides, Doug Lauffenburger, and Eugene Bell, among others

A heart-pumping exploration of the biggest explosions in history, from the Big Bang to mysterious activity on Earth and everything in between. The overwhelming majority of celestial space is inactive and will remain forever unruffled. Similarly, more than 90 percent of the universe's 70 billion trillion suns had non-attention-getting births and are burning through their nuclear fuel in steady, predictable fashion. But when cosmic violence does unfold, it changes the very fabric of the universe, with mega-explosions and ripple effects that reach the near limits of human comprehension. From colliding galaxies to solar storms, and gamma ray bursts to space-and-time-warping upheavals, these moments are rare yet powerful, often unseen but consequentially felt. Likewise, here on Earth, existence as we know it is fragile, always vulnerable to hazards both natural and manufactured. As we've learned from textbooks and witnessed in Hollywood blockbusters, existential threats such as biological disasters, asteroid impacts, and climate upheavals have the all-too-real power to instantaneously transform our routine-centered lives into total chaos, or much worse. While we might be helpless to stop these catastrophes-whether they originate on our own planet or in the farthest reaches of space-the science behind such cataclysmic forces is as fascinating as their results can be devastating. In *Earth-Shattering*, astronomy writer Bob Berman guides us through an epic, all-inclusive investigation into these instances of violence both mammoth and microscopic. From the sudden creation of dazzling "new stars" to the furiously explosive birth of our moon, from the uncomfortable truth about ultra-high-energy cosmic rays bombarding us to the incredible ways in which humanity has harnessed cataclysmic energy for its gain, Berman masterfully synthesizes some of our worst fears into an astonishing portrait of the universe that promises to transform the way we look at the world(s) around us. In the spirit of Neil deGrasse Tyson and Carlo Rovelli, what emerges is a rollicking, profound, and even humbling exploration of all the things that can go bump in the night.

Biocentrism shocked the world with a radical rethinking of the nature of reality. But that was just the beginning. In *Beyond Biocentrism*, acclaimed biologist Robert Lanza, one of TIME Magazine's "100 Most Influential People in 2014," and leading astronomer Bob Berman, take the reader on an intellectual thrill-ride as they re-examine everything we thought we knew about life, death, the universe, and the nature of reality itself. The first step is acknowledging that our existing model of reality is looking increasingly creaky in the face of recent scientific discoveries. Science tells us with some precision that the universe is 26.8 percent dark matter, 68.3 percent dark energy, and only 4.9 percent ordinary matter, but must confess that it doesn't really know what dark matter is and knows even less about dark energy. Science is increasingly pointing toward an infinite universe but has no ability to explain what that really means. Concepts such as time, space, and even causality are increasingly being demonstrated as meaningless. All of science is based on information passing through our consciousness but science hasn't the foggiest idea what consciousness is, and it can't explain the linkage between subatomic states and observation by conscious observers. Science describes life as a random occurrence in a dead universe but has no real understanding of how life began or why the universe appears to be exquisitely designed for the emergence of life. The biocentrism theory isn't a rejection of science. Quite the opposite. Biocentrism challenges us to fully accept the implications of the latest scientific findings in fields ranging from plant biology and cosmology to quantum entanglement and consciousness. By listening to what the science is telling us, it becomes increasingly clear that life and consciousness are fundamental to any true understanding of the universe. This forces a fundamental rethinking of everything we thought we knew about life, death, and our place in the universe.

Ervin Laszlo's tour de force, *What is Reality?*, is the product of a half-century of deep contemplation and cutting-edge scholarship. Addressing many of the paradoxes that have confounded modern science over the years, it offers nothing less than a new paradigm of reality, one in which the cosmos is a seamless whole, informed by a single, coherent consciousness manifest in us all. Bringing together science,

philosophy, and metaphysics, Laszlo takes aim at accepted wisdom, such as the dichotomies of mind and body, spirit and matter, being and nonbeing, to show how we are all part of an infinite cycle of existence unfolding in spacetime and beyond. Augmented by insightful commentary from a dozen scholars and thinkers, along with a foreword by Deepak Chopra and an introduction by Stanislav Grof, *What is Reality?* offers a fresh and liberating understanding of the meaning and purpose of existence.

This book gives an intermediate level treatment of quantum field theory, appropriate to a reader with a first degree in physics and a working knowledge of special relativity and quantum mechanics. It aims to give the reader some understanding of what QFT is all about, without delving deep into actual calculations of Feynman diagrams or similar. The author serves up a seven-course menu, which begins with a brief introductory *Aperitif*. This is followed by the *Hors d'oeuvres*, which set the scene with a broad survey of the Universe, its theoretical description, and how the ideas of QFT developed during the last century. In the next course, the *Art of Cooking*, the author recaps on some basic facts of analytical mechanics, relativity, quantum mechanics and also presents some nutritious "extras" in mathematics (group theory at the elementary level) and in physics (theory of scattering). After these preparations, the reader should have a good appetite for the *Entrées* – the central part of the book where the Standard Model is described and explained. After *Trou Normand*, the restive pause including human stories about physicists and no formulas, the author serves the *Dessert*, devoted to supersymmetry (a very beautiful theory that is still awaiting a direct experimental confirmation), to general relativity and to the mystery of quantum gravity.

"Robert Thurman is a living treasure, one of today's most provocative spiritual thinkers." - Daniel Goleman, author of *Emotional Intelligence*
Robert Thurman, the preeminent scholar and interpreter of Tibetan Buddhist philosophy for the modern world, leads us on a joyful exploration into the nature of reality through Buddha's threefold curriculum of "super-education." "Buddha had to be an educator, rather than a prophet or religion founder, since he had achieved his goal of exact and complete understanding of reality by using reason, experiments to open his own mind, and vision to do so," Thurman writes. "From his own experience, he could help [others] as a teacher by streamlining the process. He could not just transplant his realization into their minds. They could not get their own realizations just by believing whatever he said. He could only provide them with a prospect of full realization along a path of learning and experiencing they could follow—they would have to travel on their own." This book is your invitation to travel that same road. Deeply felt and bracingly direct, it doesn't teach about the teaching—it is the teaching. Get ready to get real, and have fun along the way, as you chart a path to reliable, lasting happiness.

This is PSTJ Volume 11 Issue 3 first published in May 2020. It is entitled "Self-Organized Criticality, FTL in Prespacetime, & Detection of Graviton" and contains the following articles: (1) Derivation of the Muon $g-2$ Anomaly from Non-Equilibrium Dynamics; (2) Solving the Flatness & Horizon Problems via Self-Organized Criticality; (3) Quantum Field Theory as Manifestation of Self-Organized Criticality; (4) Emergence of Lagrangian Field Theory from Self-Organized Criticality; (5) Faster-Than-Light Anomalies in Prespacetime & Interstellar Translocation through Hyperdimension; (6) Linear Codes over the Family of Finite Rings A_n ; (7) Detecting Gravitons on Black Hole Coalescence; (8) Painting, Baking & Non-Associative Algebra; (9) Is Gravity Curvature of Space-time? (10) Derivation of the β -parameter in Quantum Chromodynamics; (11) Towards Gross-Pitaevskiiian Description of Solar System & Galaxies; (12) The Impossibility of Direct Detection of Big Bang Relic Neutrino; and (13) Unidirectional Beams. *Prespacetime Journal* ("PSTJ," <http://www.prespacetime.com>) is a publication in which physicists, mathematicians and other learned scholars publish their research results and express their views on the origin, nature and mechanism of spacetime and its possible connection to a prespacetime. It is also a journal where all learned scholars can present their models and experimental results on elemental particles, fundamental forces including gravity and related topics.

The world's leading expert on near-death experiences reveals his journey toward rethinking the nature of death, life, and the continuity of consciousness. Cases of remarkable experiences on the threshold of death have been reported since ancient times, and are described today by 10% of people whose hearts stop. The medical world has generally ignored these "near-death experiences," dismissing them as "tricks of the brain" or wishful thinking. But after his patients started describing events that he could not just sweep under the rug, Dr. Bruce Greyson began to investigate. As a physician without a religious belief system, he approached near-death experiences from a scientific perspective. In *After*, he shares the transformative lessons he has learned over four decades of research. Our culture has tended to view dying as the end of our consciousness, the end of our existence—a dreaded prospect that for many people evokes fear and anxiety. But Dr. Greyson shows how scientific revelations about the dying process can support an alternative theory. Dying could be the threshold between one form of consciousness and another, not an ending but a transition. This new perspective on the nature of death can transform the fear of dying that pervades our culture into a healthy view of it as one more milestone in the course of our lives. *After* challenges us to open our minds to these experiences and to what they can teach us, and in so doing, expand our understanding of consciousness and of what it means to be human. Captioned cartoon drawings offering an overview of universal order as they deal with various phenomena are combined with scientific commentary

From the speed of light to moving mountains--and everything in between--*ZOOM* explores how the universe and its objects move. If you sit as still as you can in a quiet room, you might be able to convince yourself that nothing is moving. But air currents are still wafting around you. Blood rushes through your veins. The atoms in your chair jiggle furiously. In fact, the planet you are sitting on is whizzing through space thirty-five times faster than the speed of sound. Natural motion dominates our lives and the intricate mechanics of the world around us. In *ZOOM*, Bob Berman explores how motion shapes every aspect of the universe, literally from the ground up. With an entertaining style and a gift for distilling the wondrous, Berman spans astronomy, geology, biology, meteorology, and the history of science, uncovering how clouds stay aloft, how the Earth's rotation curves a home run's flight, and why a mosquito's familiar whine resembles a telephone's dial tone. For readers who love to get smarter without realizing it, *ZOOM* bursts with science writing at its best.

Stewart Edward White gained famous author first in adventure stories and Western tales and then came the books about Betty - his wife. *The Unobstructed Universe* is based on communications White received through a medium from Betty, who had died in 1939. A great masterpiece which borders on science, giving tantalising views of what we might expect in a future life. No angels, not even bright white light at the end of a tunnel, but thought-provoking and challenging. White beautifully summarises his work: "In answer to the desperate need of a stricken world, this book offers a new pattern for individual and social living...based on recapture of faith, not in the 'there ness' of immortality, but in its 'here ness'". To all who wants to come to terms with their spiritual path and immortality.

A pioneering physician reveals how childhood stress leads to lifelong health problems, and what we can do to break the cycle.

Examines a new theory of reality, based on holography, that explains the paranormal abilities of the mind, the latest frontiers of physics, and the unsolved riddles of the brain and body

It has long been claimed that addressing biodiversity loss and other environmental problems demands a better understanding of the social dimensions of conservation; nevertheless, the active participation of indigenous peoples and local communities (IPLCs) in conservation initiatives is still a challenging and somehow controversial issue. In this context, this book hopes to give voice to other perspectives related to biodiversity conservation beyond the "fortress conservation" model and emphasize one of the pillars of democracy – popular participation. It covers a wide range of environments and issues of special significance to the topic, such as the expansion of culturally constructed niches, protected areas and food security, community-based management, participatory agroforestry, productive restoration and biocultural conservation. The contents also explore the limitations and shortcomings of participatory practices in protected areas, the relationship between the global crisis of democracy and the decline of biocultural diversity, as well as present current discussions on policy frameworks and governance systems for effective participatory biodiversity conservation. In sum, this book provides a comprehensive and realistic

perspective on the social dimensions of conservation based on a series of interrelated themes in participatory biodiversity conservation. The connections between biocultural conservation and the current political and economic environment are highlighted through the chapters and the book closes with a debate on ways to reconcile human welfare, environmental justice and biodiversity conservation.

In trying to understand the atom, physicists built quantum mechanics, the most successful theory in science and the basis of one-third of our economy. They found, to their embarrassment, that with their theory, physics encounters consciousness. Authors Bruce Rosenblum and Fred Kuttner explain all this in non-technical terms with help from some fanciful stories and anecdotes about the theory's developers. They present the quantum mystery honestly, emphasizing what is and what is not speculation. Quantum Enigma's description of the experimental quantum facts, and the quantum theory explaining them, is undisputed. Interpreting what it all means, however, is heatedly controversial. But every interpretation of quantum physics involves consciousness. Rosenblum and Kuttner therefore turn to exploring consciousness itself--and encounter quantum mechanics. Free will and anthropic principles become crucial issues, and the connection of consciousness with the cosmos suggested by some leading quantum cosmologists is mind-blowing. Readers are brought to a boundary where the particular expertise of physicists is no longer the only sure guide. They will find, instead, the facts and hints provided by quantum mechanics and the ability to speculate for themselves. In the few decades since the Bell's theorem experiments established the existence of entanglement (Einstein's "spooky action"), interest in the foundations, and the mysteries, of quantum mechanics has accelerated. In recent years, physicists, philosophers, computer engineers, and even biologists have expanded our realization of the significance of quantum phenomena. This second edition includes such advances. The authors have also drawn on many responses from readers and instructors to improve the clarity of the book's explanations.

What if life isn't just a part of the universe . . . what if it determines the very structure of the universe itself? The theory that blew your mind in Biocentrism and Beyond Biocentrism is back, with brand-new research revealing the startling truth about our existence. What is consciousness? Why are we here? Where did it all come from—the laws of nature, the stars, the universe? Humans have been asking these questions forever, but science hasn't succeeded in providing many answers—until now. In *The Grand Biocentric Design*, Robert Lanza, one of Time Magazine's "100 Most Influential People," is joined by theoretical physicist Matej Pavšic and astronomer Bob Berman to shed light on the big picture that has long eluded philosophers and scientists alike. This engaging, mind-stretching exposition of how the history of physics has led us to Biocentrism—the idea that life creates reality—takes readers on a step-by-step adventure into the great science breakthroughs of the past centuries, from Newton to the weirdness of quantum theory, culminating in recent revelations that will challenge everything you think you know about our role in the universe. This book offers the most complete explanation of the science behind Biocentrism to date, delving into the origins of the memorable principles introduced in previous books in this series, as well as introducing new principles that complete the theory. The authors dive deep into topics including consciousness, time, and the evidence that our observations—or even knowledge in our minds—can affect how physical objects behave. *The Grand Biocentric Design* is a one-of-a-kind, groundbreaking explanation of how the universe works, and an exploration of the science behind the astounding fact that time, space, and reality itself, all ultimately depend upon us. Historians generally—and Marxists in particular—have presented the revolution of 1789 as a bourgeois revolution: one which marked the ascendance of the bourgeois as a class, the defeat of a feudal aristocracy, and the triumph of capitalism. Recent revisionist accounts, however, have raised convincing arguments against the idea of the bourgeois class revolution, and the model on which it is based. In this provocative study, George Comninel surveys existing interpretations of the French Revolution and the methodological issues these raise for historians. He argues that the weaknesses of Marxist scholarship originate in Marx's own method, which has led historians to fall back on abstract conceptions of the transition from feudalism to capitalism. Comninel reasserts the principles of historical materialism that found their mature expression in *Das Kapital*; and outlines an interpretation which concludes that, while the revolution unified the nation and centralized the French state, it did not create a capitalist society.

Scientific evidence for the continual presence of consciousness with or without connection to a living organism • Examines findings on the survival of consciousness beyond life, including near-death experiences, after-death communication, and reincarnation • Explains how this correlates precisely with cutting-edge physics theories on superstrings, information fields, and energy matrices • Reveals how consciousness manifests in living beings to continue its evolution Evidence now points to consciousness existing beyond the brain, such as when the brain is temporarily incapacitated, as well as to the survival of consciousness after death. Conventional science prefers to dismiss these findings because they cannot be accommodated by a materialist view of reality. Spirituality and religion embrace the continuity of consciousness and ascribe it to a nonmaterial spirit or soul that is immortal. As such, spirituality/religion and science continually find conflict in their views. But what if there truly is no conflict? Based on a new scientific paradigm in sync with experience-based spirituality, Ervin Laszlo and Anthony Peake explore how consciousness is continually present in the cosmos and can exist without connection to a living organism. They examine the rapidly growing body of scientific evidence supporting the continuity of consciousness, including near-death experiences, after-death communication, reincarnation, and neurosensory information received in altered states. They explain how the persistence of consciousness beyond the demise of the body means that, in essence, we are not mortal—we continue to exist even when our physical existence has come to an end. This correlates precisely with cutting-edge physics, which posits that things in our plane of time and space are not intrinsically real but are manifestations of a hidden dimension where they exist in the form of superstrings, information fields, and energy matrices. With proof that consciousness is basic to the cosmos and immortal in its deeper, nonmanifest realm, Laszlo and Peake reveal the purpose of consciousness is to manifest in living beings in order to continuously evolve.

Dive into the world of *The Matrix* ahead of the 2021 release of Lana Wachowski's *The Matrix Resurrections*! Taking the Red Pill is a thought-provoking, mind-expanding thrill ride through *The Matrix*, examining the technological challenges, religious symbolism, and philosophical dilemmas the film presents. Renowned scientists, technologists, philosophers, scholars, social commentators, and science fiction authors provide engaging and provocative perspectives: • Inventor and technologist Ray Kurzweil reveals the technological trends that make *The Matrix* more prophetic than anyone suspects • Sun chief scientist Bill Joy's classic essay "Why the Future Doesn't Need Us" describes the horrors that await as these technologies are developed • Yale philosopher and occasional standup comic Nick Bostrom calculates the odds that we are in the Matrix • Best-selling science fiction author Robert J. Sawyer explores the history of artificial intelligence in science fiction culminating with *The Matrix* • Economist and philosopher of science Robin Hanson shows how we are controlled by a power as malevolent as that of the Matrix Taking the Red Pill will change how you view *The Matrix*—and the world around you.

This text reflects the immense current growth in interest in agroecology and changing approaches to it. While it is acknowledged that the science of ecology should be the basis of agroecological planning, many analysts have out-of-date ideas about contemporary ecology. Ecology has come a long way since the old days of "the balance of nature" and other romantic notions of how ecological systems function. In this context, the new science of complexity has become extremely important in the modern science of ecology. The problem is that it tends to be too mathematical and technical and thus off-putting for the average student of agroecology, especially those new to the subject. Therefore this book seeks to present ideas about ecological complexity with a minimum of formal mathematics. The book's organization consists of an introductory chapter, and a second chapter providing some of the background to basic ecological topics as they are relevant to agroecosystems (e.g., soil biology and pest control). The core of the book consists of seven chapters on key intersecting themes of ecological complexity, including issues such as spatial patterns, network theory and tipping points, illustrated by examples from agroecology and agricultural systems from around the world.

"Is Biocentrism Dead?" It is a topic that many find a bit off putting but it is a question that many individuals are starting to pose as they become wiser. The book explains what biocentrism is and how the tenets that surround this concept came into being. This is a book that the inquiring mind will appreciate thus it is ideal for the individuals who want to learn more about themselves and the world around them. The author gradually disseminates the information to the reader, allowing them to fully understand what biocentrism really means. Its' Really About Time provides a clear and complete explanation of why it will someday be possible to travel years, decades or even centuries in the future, a direct consequence of Einstein's Special Theory of Relativity. The book is aimed at intellectually curious people and requires no previous science or mathematics training.

This book highlights the importance of the cultural sphere, and in particular literature, in response and discussion with the unprecedented phenomenon known as climate change. Antonia Mehnert turns to a set of contemporary American works of fiction, reading them as a unique response to the challenges of representing climate change. She draws on "climate change fiction"— texts dealing explicitly with anthropogenic climate change—and explores how these works convey climate change, deal with its challenging characteristics, and with what narrative techniques they ultimately participate in its communication. Indeed, a number of challenging traits make climate change a difficult issue to engage with including its slow and long temporal dimension, global scale, scientific controversy, and its disconnect between cause and effect. Considering such complexity and uncertainty at the source of climate change fictions, this book moves beyond a solely ecocritical analysis and shows how these climate change fictions constitute an insightful cultural repertoire valuable for discussion in the environmental humanities in general.

Examines the ramifications of Einstein's relativity theory, exploring the mysteries of time and considering black holes, time travel, the existence of God, and the nature of the universe

"Touches on a dizzying array of subjects, including UV rays, inert gases, fossils, meteorites, microwaves, rainbows . . . Like many a good teacher, Berman uses humor to entertain his audience and liven things up." —Los Angeles Times Bob Berman is motivated by a straightforward philosophy: everyone can understand science—and it's fun, too. In *Strange Universe*, he pokes into the bizarre and astonishingly true scientific facts that determine the world around us. Geared to the nonscientist, Berman's original essays are filled with the trademark wit and cleverness that has earned him acclaim over many years for his columns in *Astronomy* and *Discover* magazines. He emphasizes curiosities of the natural world to which everyone can relate, and dishes on the little-known secrets about space and some of science's biggest blunders (including a very embarrassing moment from Buzz Aldrin's trip to the moon). Fascinating to anyone interested in the wonders of our world and the cosmos beyond, *Strange Universe* will make you smile and think.

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