

Atomic Awakening A New Look At The History And Future Of Nuclear Power

"Fundamentals might be the perfect book for the winter of this plague year. . . . Wilczek writes with breathtaking economy and clarity, and his pleasure in his subject is palpable."—*The New York Times Book Review*
One of our great contemporary scientists reveals the ten profound insights that illuminate what everyone should know about the physical world
In Fundamentals, Nobel laureate Frank Wilczek offers the reader a simple yet profound exploration of reality based on the deep revelations of modern science. With clarity and an infectious sense of joy, he guides us through the essential concepts that form our understanding of what the world is and how it works. Through these pages, we come to see our reality in a new way--bigger, fuller, and stranger than it looked before. Synthesizing basic questions, facts, and dazzling speculations, Wilczek investigates the ideas that form our understanding of the universe: time, space, matter, energy, complexity, and complementarity. He excavates the history of fundamental science, exploring what we know and how we know it, while journeying to the horizons of the scientific world to give us a glimpse of what we may soon discover. Brilliant, lucid, and accessible, this celebration of human ingenuity and imagination will expand your world and your mind.

The extraordinary, unlikely tale of Tycho Brahe and Johannes Kepler and their enormous contribution to astronomy and understanding of the cosmos is one of the strangest stories in the history of science. Kepler was a poor, devoutly religious teacher with a genius for mathematics. Brahe was an arrogant, extravagant aristocrat who possessed the finest astronomical instruments and observations of the time, before the telescope. Both espoused theories that seem off-the-wall to modern minds, but their fateful meeting in Prague in 1600 was to change the future of science. Set in one of the most turbulent and colourful eras in European history, when medieval was giving way to modern, Tycho and Kepler is a double biography of these two remarkable men. Discovering the secrets of animal movement and what they can teach us
Insects walk on water, snakes slither, and fish swim. Animals move with astounding grace, speed, and versatility: how do they do it, and what can we learn from them? How to Walk on Water and Climb up Walls takes readers on a wondrous journey into the world of animal motion. From basement labs at MIT to the rain forests of Panama, David Hu shows how animals have adapted and evolved to traverse their environments, taking advantage of physical laws with results that are startling and ingenious. In turn, the latest discoveries about animal mechanics are inspiring scientists to invent robots and devices that move with similar elegance and efficiency. Integrating biology, engineering, physics, and robotics, How to Walk on Water and Climb up Walls demystifies the remarkable secrets behind animal locomotion.

Originally perceived as a cheap and plentiful source of power, the commercial use of nuclear energy has been controversial for decades. Worries about the dangers that nuclear plants and their radioactive waste posed to nearby communities grew over time, and plant construction in the United States virtually died after the early 1980s. The 1986 disaster at Chernobyl only reinforced nuclear power's negative image. Yet in the decade prior to the Japanese nuclear crisis of 2011, sentiment about nuclear power underwent a marked change. The alarming acceleration of global warming due to the burning of fossil fuels and concern about dependence on foreign fuel has led policymakers, climate scientists, and energy experts to look once again at nuclear power as a source of energy. In this accessible overview, Charles D. Ferguson provides an authoritative account of the key facts about nuclear energy. What is the origin of nuclear energy? What countries use commercial nuclear power, and how much electricity do they obtain from it? How can future nuclear power plants be made safer? What can countries do to protect their nuclear facilities from military attacks? How hazardous is radioactive waste? Is nuclear energy a renewable energy source? Featuring a discussion of the recent nuclear crisis in Japan and its ramifications, Ferguson addresses these questions and more in Nuclear Energy: What Everyone Needs to Know®, a book that is essential for anyone looking to learn more about this important issue. What Everyone Needs to Know® is a registered trademark of Oxford University Press.

Atomic Adventures: Secret Islands, Forgotten N-Rays, and Isotopic Murder: A Journey into the Wild World of Nuclear Science

A Scientific Exploration into the World of Phasers, Force Fields, Teleportation, and Time Travel

An Atomic Romance

Eisenhower and the Discourse of National Insecurity

Journey of Awakening

Painted Women & Cosmetic Art

Tycho and Kepler

This comprehensive record of Krishnamurti's teachings is an excellent, wide-ranging introduction to the great philosopher's thought. With among others, Jacob Needleman, Alain Naude, and Swami Venkatasananda, Krishnamurti examines such issues as the role of the teacher and tradition; the need for awareness of 'cosmic consciousness; the problem of good and evil; and traditional Vedanta methods of help for different levels of seekers.

The discovery of fission created a new kind of fear, not simply a new iteration of the previous responses to new technology. This new fear was profound, disquieting and all encompassing. By the time nuclear power was introduced, anxiety and concern about nuclear weapons had already fostered perceptions that left a long-lasting legacy that would taint nuclear power for decades. Nuclear power would struggle to cope with the blurred distinctions between military and civilian applications for its entire history. The public would experience nuclear power through the lens of the media, increasingly this lens became a prism which projected a distorted image of nuclear power. Gradually, the distortions became more apparent than reality and the gap in public knowledge widened. Like everything, nuclear power requires representation for the public to assimilate it. The lack of depiction of nuclear power served to amplify the distortions in public perception and reinforced avoidance about nuclear technology. Avoidance about nuclear power is the dominant response, most people do not want to hear about it, learn about it and know about it. Coverage of nuclear power has been dominated by the threat of accidents or any kind of incident that occurred at nuclear power plants. This negative attention about accidents and their potential impact would interfere with the integration of nuclear power into modern society. Accidents seemed limitless in their potential damage, and the lack of public knowledge about their impact allowed imaginations to run wild. The crux of the pro-nuclear and anti-nuclear debate rests on the estimations about the significance of potential accidents. Were they capable of massive destruction and tremendous risk or was their impact compact, limited and minor? The scale of a 'worst-case scenario' became the key question of the nuclear power debate, and proved to be quite powerful in affecting its history. Chernobyl, Fukushima, and even Three Mile Island became larger-than-life incidents and each acquired their own mythology. The perceptions of what happened set the tone for attitudes about nuclear power. Despite being an essential part of the natural environment, radiation is rarely well understood. We are exposed to radiation everyday from the earth below and the sun above, yet parents believe it is more important for children to learn about volcanoes than radiation. The fear of nuclear power and radiation has become significant in itself, changing the course of history. Nuclear power has been decisively shaped by political struggles and emotional arguments that even affected its technological development. Negative feelings about nuclear power contrast with the benign feelings towards wind and solar, so considerable resources and subsidies are devoted to them, in the hope these can make a meaningful impact to reduce emissions. A strong consensus supports wind and solar in contrast to the divisive debate around nuclear power. The emotional responses are driving our attitudes to technology and energy, which does not always result in the most logical ends. The history of nuclear power is both revelatory and surprising, and it will definitely change the way you think about energy in the modern world.

What would it mean to discover an ancient language—a literal message—hidden within the DNA of life itself? What we once believed of our past is about to change. . . . A coded message has been found within the molecules of life, deep within the DNA in each cell of our bodies. Through a remarkable discovery linking Biblical alphabets to our genetic code, the "language of life" may now be read as the ancient letters of a timeless message. Regardless of race, religion, heritage, or lifestyle, the message is the same in each cell of every woman, child, and man, past and present. Sharing all-new, fascinating research, Gregg Braden discusses the life-changing discovery that led him from a successful career in the aerospace and defense industries to an extensive 12-year study of the most sacred and honored traditions of humankind.

Offers an account of child genius Taylor Wilson's successful quest to build his own nuclear reactor at the age of 14, and an exploration of how gifted children can be nurtured to do extraordinary things. 35,000 first printing. Illustrations.

Hitler at Home

The Future of Nuclear Power

Behemoth: A History of the Factory and the Making of the Modern World

Dysfunctional Fashion in Film

Extreme Science, Extreme Parenting, and How to Make a Star

What We Now Know; a History of Nuclear Power and Radiation

The Making Of The Hydrogen Bomb

A thought-provoking examination of the challenging and sometimes sinister roles that fashion has played in the history of cinema

A brave teen recounts her debilitating struggle with obsessive-compulsive disorder—and brings readers through every painful step as she finds her way to the other side—in this powerful and inspiring memoir. Until sophomore year of high school, fifteen-year-old Allison Britz lived a comfortable life in an idyllic town. She was a dedicated student with tons of extracurricular activities, friends, and loving parents at home. But after awakening from a vivid nightmare in which she was diagnosed with brain cancer, she was convinced the dream had been a warning. Allison believed that she must do something to stop the cancer in her dream from becoming a reality. It started with avoiding sidewalk cracks and quickly grew to counting steps as loudly as possible. Over the following weeks, her brain listed more dangers and fixes. She had to avoid hair dryers, calculators, cell phones, computers, anything green, bananas, oatmeal, and most of her own clothing. Unable to act “normal,” the once-popular Allison became an outcast. Her parents questioned her behavior, leading to explosive fights. When notebook paper, pencils, and most schoolbooks were declared dangerous to her health, her GPA imploded, along with her plans for the future. Finally, she allowed herself to ask for help and was diagnosed with obsessive-compulsive disorder. This brave memoir tracks Allison’s descent and ultimately hopeful climb out of the depths.

A lonely newlywed and her wayward brother-in-law follow divergent and dangerous paths through the postwar American West. Muriel is newly married and restless, transplanted from her rural Kansas hometown to life in a dusty bungalow in San Diego. The air is rich with the tang of salt and citrus, but the limits of her new life seem to be closing in: She misses her freethinking mother, dead before Muriel’s nineteenth birthday, and her sly, itinerant brother-in-law, Julius, who made the world feel bigger than she had imagined. And so she begins slipping off to the Del Mar racetrack to bet and eavesdrop, learning the language of horses and risk. Meanwhile, Julius is testing his fate in Las Vegas, working at a local casino where tourists watch atomic tests from the roof, and falling in love with Henry, a young card cheat. When Henry is eventually discovered and run out of town, Julius takes off to search for him in the plazas and dives of Tijuana, trading one city of dangerous illusions and indiscretions for another. On Swift Horses is a debut of astonishing power: a story of love and luck, of two people trying to find their place in a country that is coming apart even as it promises them everything.

From the moment radiation was discovered in the late nineteenth century, nuclear science has had a rich history of innovative scientific exploration and discovery, coupled with mistakes, accidents, and downright disasters. Mahaffey, a long-time advocate of continued nuclear research and nuclear energy, looks at each incident in turn and analyzes what happened and why, often discovering where scientists went wrong when analyzing past meltdowns.Every incident has lead to new facets in understanding about the mighty atom—and Mahaffey puts forth what the future should be for this final frontier of science that still holds so much promise.

The Power of Now

What Everyone Needs to Know®

Documents of Global Change

A Memoir of My Life with OCD

Nuclear Accidents and Disasters

Whitney Museum of American Art

Cosmos, Chaos, and the World to Come

By making use of the latest in world energy statistics, author Mark Lynas shows that with wind and solar still at only about one percent of global primary energy, looking to renewable energy as a solution to deliver all the world's power is a dangerously delusional concept. Moreover, with no possibility reducing the world’s energy usage—when the developing world is fast extricating itself from poverty and adding the equivalent of a new Brazil to the global electricity consumption each year—additional solutions are needed. This book then details how the antinuclear movement of the 1970s and 1980s succeeded only in making the world more dependent on fossil fuels. Instead of making the same mistake again, this book shows how all those who want to see a low-carbon future need to join forces by backing an ambitious proposal for a combined investment in wind, solar, and nuclear power.

An informed look at the myths and fears surrounding nuclear energy, and a practical, politically realistic solution to global warming and our energy needs. Faced by the world's oil shortages and curious about alternative energy sources, Gwyneth Cravens skeptically sets out to find the truth about nuclear energy. Her conclusion: it is a totally viable and practical solution to global warming. In the end, we see that if we are to care for subsequent generations, embracing nuclear energy is an ethical imperative.

All over the world people look forward to a perfect future, when the forces of good will be finally victorious over the forces of evil. Once this was a radically new way of imagining the destiny of the world and of mankind. How did it originate, and what kind of world-view preceded it? In this engrossing book, the author of the classic work The Pursuit of the Millennium takes us on a journey of exploration, through the world-views of ancient Egypt, Mesopotamia, and India, through the innovations of Iranian and Jewish prophets and sages, to the earliest Christian imaginings of heaven on earth. Until around 1500 B.C., it was generally believed that once the world had been set in order by the gods, it was in essence immutable. However, it was always a troubled world. By means of flood and drought, famine and plague, defeat in war, and death itself, demonic forces threatened and impaired it. Various combat myths told how a divine warrior kept the forces of chaos at bay and enabled the world to survive. Sometime between 1500 and 1200 B.C., the Iranian prophet Zoroaster broke from that static yet anxious world-view, reinterpreting the Iranian version of the combat myth. For Zoroaster, the world was moving, through incessant conflict, toward a conflictless state--"cosmos without chaos." The time would come when, in a prodigious battle, the supreme god would utterly defeat the forces of chaos and their human allies and eliminate them forever, and so bring an absolutely good world into being. Cohn reveals how this vision of the future was taken over by certain Jewish groups, notably the Jesus sect, with incalculable consequences. Deeply informed yet highly readable, this magisterial book illumines a major turning-point in the history of human consciousness. It will be mandatory reading for all who appreciated The Pursuit of the Millennium.

This anthology provides an historical overview of the scientific ideas behind environmental prediction and how, as predictions about environmental change have been taken more seriously and widely, they have affected politics, policy, and public perception. Through an array of texts and commentaries that examine the themes of progress, population, environment, biodiversity and sustainability from a global perspective, it explores the meaning of the future in the twenty-first century. Providing access and reference points to the origins and development of key disciplines and methods, it will encourage policy makers, professionals, and students to reflect on the roots of their own theories and practices.

How to Drive a Nuclear Reactor

Power to Save the World

Ten Keys to Reality

A Novel

The Ancient Roots of Apocalyptic Faith

Nuclear Energy

War, Energy, and the Rock That Shaped the World

"Persuasive and based on deep research. Atomic Awakening taught me a great deal."—Nature
The American public's introduction to nuclear technology was manifested in destruction and death. With Hiroshima and the Cold War still ringing in our ears, our perception of all things nuclear is seen through the lens of weapons development. Nuclear power is full of mind-bending theories, deep secrets, and the misdirection of public consciousness, some deliberate, some accidental. The result of this fixation on bombs and fallout is that the development of a non-polluting, renewable energy source stands frozen in time. Outlining nuclear energy's discovery and applications throughout history, Mahaffey's brilliant and accessible book is essential to understanding the astounding phenomenon of nuclear power in an age where renewable energy and climate change have become the defining concerns of the twenty-first century.

A Seminal Work of Visionary Hope, Updated for the 21st Century
In this era of government gridlock, economic and ecological devastation, and seemingly intractable global violence, our future is ever more ripe for — and in need of — fresh, creative reimagining. With her clear-eyed, inspiring, and sweeping vision of a possible global renaissance in the new millennium, Barbara Marx Hubbard shows us that our current crises are not the precursors of an apocalypse but the natural birth pains of an awakened, universal humanity. This is our finest hour. Conscious Evolution highlights the tremendous potential of newfound scientific knowledge, technological advances, and compassionate spirituality and illustrates the opportunities that each of us has to fully participate in this exciting stage of human history. As we do, we will bring forth all that is within us and not only save ourselves, but evolve our world.

An exciting guide to, and celebration of, the Whitney Museum and its outstanding collection of American art
This all-new handbook, a fresh look at the Whitney Museum of American Art's collection, highlights the museum's extraordinary holdings and its fascinating history. Featuring iconic pieces by artists such as Calder, Hopper, Johns, O'Keeffe, and Warhol—as well as numerous works by under-recognized individuals--this is not only a guide to the Whitney's collection, but also a remarkable primer on modern and contemporary American art. Beautifully illustrated with abundant new photography, the book pairs scholarly entries on 350 artists with images of some of their most significant works. The museum's history and the evolution of its collection, including the Whitney's important distinction as one of the few American museums founded by an artist, and the notion of "American" in relation to the collection, are covered in two short essays. Published to coincide with the Whitney's highly anticipated move to a new facility in downtown New York in the spring of 2015, this book celebrates the museum's storied past and vibrant present as it looks ahead to its future.

Following the increasing cost of fossil fuels and concerns about the security of their future supply. However, the term 'nuclear power' causes anxiety in many people and there is confusion concerning the nature and extent of the associated risks.

Exploring the Evolution of Human Culture and Consciousness

Awakening the Power of Our Social Potential

Fundamentals

The Unlikely Partnership that Forever Changed our Understanding of the Heavens

Plentiful Energy

A Guide to Spiritual Enlightenment

Here, for the first time, in a brilliant, panoramic portrait by the Pulitzer Prize-winning author of The Making of the Atomic Bomb, is the definitive, often shocking story of the politics and the science behind the development of the hydrogen bomb during the Cold War. Based on secret files in the United States and the former Soviet Union, this monumental work of history discloses how and why the United States decided to create the bomb that would dominate world politics for more than half a century. The latest investigation from acclaimed nuclear engineer and author James Mahaffey unearths forgotten nuclear endeavors throughout history that were sometimes hair-brained, often risky, and always fascinating. Whether you are a scientist, a nuclear energy or staunch opponent, conspiracy theorist or pragmatist, James Mahaffey's books have served to open up the world of nuclear science like never before. With clear explanations of some of the most complex scientific endeavors in history, Mahaffey's new book looks back at the atom's wild, secretive past and then toward its potentially bright future. Mahaffey unearths lost reactors on far flung Pacific islands and trees that were exposed to active fission that changed genetic codes. He explains why we have nuclear submarines but not nuclear aircraft and why cold fusion doesn't exist. And who knew that radiation counting was once a fashionable trend? Though parts of the nuclear history might seem familiar, up, where cowboys somehow got a hold of a reactor, Mahaffey's vivid prose holds the reader in thrall of the infectious energy of scientific curiosity and ingenuity that may one day hold the key to solving our energy crisis or sending us to Mars. The fascinating story of the most powerful source of energy the earth can yield Uranium is a common element in the earth's crust and the only naturally occurring mineral with the power to end all life on the planet. After World War II, it was believed that whoever could master uranium could master the world. Marie Curie gave us hope that uranium would be a miracle panacea, but the Manhattan Project gave us reason to believe that civilization would end with apocalypse. Slave labor camps in Eastern Europe were built around mine shafts and America would knowingly send more than six hundred uranium miners to their graves in the name of national security. Fortunes have been made from this yellow dirt; massive energy g

run from it. Fear of it panicked the American people into supporting a questionable war with Iraq and its specter threatens to create another conflict in Iran. Now, some are hoping it can help avoid a global warming catastrophe. In Uranium readers around the globe in this intriguing look at the mineral that can sustain life or destroy it.

The Integral Fast Reactor (IFR) is a fast reactor system developed at Argonne National Laboratory in the decade 1984 to 1994. The IFR project developed the technology for a complete system: the reactor, the entire fuel cycle and the waste management technologies were all included in the development program. The reactor concept had important features and characteristics that were completely new and fuel cycle and waste management technologies that were entirely new developments. The "fast" reactor – that is, the chain reaction is maintained by "fast" neutrons with high energy – which produces its own fuel. The IFR reactor and associated fuel cycle is a closed system. Electrical power is generated, new fissile fuel is produced, fuel burned, its used fuel is processed for recycling by pyroprocessing – a new development – and waste is put in final form for disposal. All this is done on one self-sufficient site. The scale and duration of the project and its funding made energy R and D program of its day. Its purpose was the development of a long term massive new energy source, capable of meeting the nation's electrical energy needs in any amount, and for as long as it is needed, forever, if necessary. The proliferation and waste toxicity properties were improved as well, these three the characteristics most commonly cited in opposition to nuclear power. Development proceeded from success to success. Most of the development had been cancelled program was abruptly cancelled by the newly elected Clinton Administration. In his 1994 State of the Union address the president stated that "unnecessary programs in advanced reactor development will be terminated." The IFR was that gives the real story of the IFR, written by the two nuclear scientists who were most deeply involved in its conception, the development of its R and D program, and its management. Between the scientific and engineering papers and reports on the IFR, and the non-technical and often impassioned dialogue that continues to this day on fast reactor technology, we felt there is room for a volume that, while accurate technically, is written in a manner accessible to the non-specialist and technical reader who simply wants to know what this technology is.

Awakening Earth

Handbook of the Collection

Dark Sun

Apocalypse Management

Rhinelander v. Rhinelander and the Law of the Multiracial Family

On Swift Horses

The Awakening of Intelligence

This wide-ranging survey, spanning four centuries, illuminates shifting perceptions of female beauty through works of art and the evolution of cosmetics

"Freeman's rich and ambitious Behemoth depicts a world in retreat that still looms large in the national imagination.... More than an economic history, or a chronicle of architectural feats and labor movements."—Jennifer Szalai, New York Times In an accessible and timely work of scholarship, celebrated historian Joshua B. Freeman tells the story of the factory and examines how it has reflected both our dreams and our nightmares of industrialization and social change. He whisks readers from the early textile mills that powered the Industrial Revolution to the factory towns of New England to today's behemoths making sneakers, toys, and cellphones in China and Vietnam. Behemoth offers a piercing perspective on how factories have shaped our societies and the challenges we face now.

Examines disasters that have occurred at nuclear powerplants and fuel-processing facilities, including Three Mile Island and Chernobyl.

DIV This landmark book looks at what it means to be a multiracial couple in the United States today. According to Our Hearts begins with a look back at a 1925 case in which a two-month marriage ends with a man suing his wife for misrepresentation of her race, and shows how our society has yet to come to terms with interracial marriage. Angela Onwuachi-Willig examines the issue by drawing from a variety of sources, including her own experiences. She argues that housing law, family law, and employment law fail, in important ways, to protect multiracial couples. In a society in which marriage is used to give, withhold, and take away status—in the workplace and elsewhere—she says interracial couples are at a disadvantage, which is only exacerbated by current law. /div

According to Our Hearts

Nuclear 2.0

A History of Nuclear Meltdowns and Disasters: From the Ozark Mountains to Fukushima

How to Walk on Water and Climb up Walls

Atomic Accidents

Physics of the Impossible

Dressing Dangerously

Discusses the future of nuclear reactors particularly whether smaller inexpensive reactors will become more prevalent or if reactors will become part of an alternative fuel economy.

A look at Adolf Hitler's residences and their role in constructing and promoting the dictator's private persona both within Germany and abroad. Adolf Hitler's makeover from rabble-rouser to statesman coincided with a series of dramatic home renovations he undertook during the mid-1930s.

This provocative book exposes the dictator's preoccupation with his private persona, which was shaped by the aesthetic and ideological management of his domestic architecture. Hitler's bachelor life stirred rumors, and the Nazi regime relied on the dictator's three dwellings—the Old Chancellery in Berlin, his apartment in Munich, and the Berghof, his mountain home on the Obersalzberg—to foster the myth of the Führer as a morally upstanding and refined man. Author Despina Stratigakos also reveals the previously untold story of Hitler's interior designer, Gerdy Troost, through newly discovered archival sources. At the height of the Third Reich, media outlets around the world showcased Hitler's homes to audiences eager for behind-the-scenes stories. After the war, fascination with Hitler's domestic life continued as soldiers and journalists searched his dwellings for insights into his psychology. The book's rich illustrations, many previously unpublished, offer readers a rare glimpse into the decisions involved in the making of Hitler's homes and into the sheer power of the propaganda that influenced how the world saw him. "Inarguably the powder-keg title of the year."—Mitchell Owen, Architectural Digest "A fascinating read, which reminds us that in Nazi Germany the architectural and the political can never be disentangled. Like his own confected image, Hitler's buildings cannot be divorced from their odious political hinterland."—Roger Moorhouse, Times

Atomic Awakening: A New Look at the History and Future of Nuclear Power

Pegasus Books

Teleportation, time machines, force fields, and interstellar space ships—the stuff of science fiction or potentially attainable future technologies? Inspired by the fantastic worlds of Star Trek, Star Wars, and Back to the Future, renowned theoretical physicist and bestselling author Michio Kaku takes an informed, serious, and often surprising look at what our current understanding of the universe's physical laws may permit in the near and distant future. Entertaining, informative, and imaginative, Physics of the Impossible probes the very limits of human ingenuity and scientific possibility.

Why a Green Future Needs Nuclear Power

The Future of Nature

The Truth About Nuclear Energy

Facing Beauty

The Story of the Integral Fast Reactor, the Complex History of a Simple Reactor Technology, with Emphasis on Its Scientific Basis for Non-specialists

Seeing the Light: The Case for Nuclear Power in the 21st Century

After Fukushima

Nuclear power is not an option for the future but an absolute necessity. Global threats of climate change and lethal air pollution, killing millions each year, make it clear that nuclear and renewable energy must work together, as non-carbon sources of energy.

Fortunately, a new era of growth in this energy source is underway in developing nations, though not yet in the West. Seeing the Light is the first book to clarify these realities and discuss their implications for coming decades. Readers will learn how, why, and where the new nuclear era is happening, what new technologies are involved, and what this means for preventing the proliferation of weapons. This book is the best work available for becoming fully informed about this key subject, for students, the general public, and anyone interested in the future of energy production, and, thus, the future of humanity on planet Earth.

Find the practice that's right for you with this exploration of the many paths of meditation—from mantra, prayer, singing, visualizations, and "just sitting" to movement meditations such as tai chi "Everyone has experienced a moment of pure awareness. A moment without thinking 'I am aware' or 'that is a tree.' Such moments bring a sense of rightness, of clarity, of being at one. Such moments are the essence of meditation."—Ram Dass Ram Dass is an American psychologist and spiritual teacher who has studied and practiced meditation for many years. Here he shares his understanding and suggests how you can find methods suitable for you. He illuminates the stages and benefits of meditative practice, and provides wise and often humorous advice on overcoming difficulties along the way.

Balances science with spirituality in a study of human evolution, from the appearance of reflective consciousness to modern communications, and proposes three additional stages to be realized

A "delightfully astute" and "entertaining" history of the mishaps and meltdowns that have marked the path of scientific progress (Kirkus Reviews, starred review). Radiation: What could go wrong? In short, plenty. From Marie Curie carrying around a vial of radium salt because she liked the pretty blue glow to the large-scale disasters at Chernobyl and Fukushima, dating back to the late nineteenth century, nuclear science has had a rich history of innovative exploration and discovery, coupled with mistakes, accidents, and downright disasters. In this lively book, long-time advocate of continued nuclear research and nuclear energy James Mahaffey looks at each incident in turn and analyzes what happened and why, often discovering where scientists went wrong when analyzing past meltdowns. Every incident, while taking its toll, has led to new understanding of the mighty atom—and the fascinating frontier of science that still holds both incredible risk and great promise.

Atomic Awakening: A New Look at the History and Future of Nuclear Power

Conscious Evolution

Uranium

The God Code

Obsessed

The Boy Who Played with Fusion

A Meditator's Guidebook

This provocative, rollicking story is the much-anticipated new novel—the first in over a decade—from acclaimed author Bobbie Ann Mason. In An Atomic Romance we meet Reed Futrell, a sexy, thoughtful hero who grapples with radioactive contamination, a midlife crisis, and string theory—all while falling in love. Reed is an engineer at a uranium-enrichment plant near a riverside city in heartland America. He has deep roots in this community: He was raised there; his father worked at the very same plant before him. And it was here that Reed met, married, and then divorced his wife. Reed spends countless nights camping at a local wildlife preserve, gazing at the stars, fishing and hunting—that is, until deformed frogs are discovered at the site. Though his father was killed in a tragic accident at the atomic plant years ago, Reed stays on, proud to perform demanding and dangerous work for the benefit of the nation. As for the radioactive "incidents" he has endured, Reed prefers to think about other things—Hubble photographs of distant galaxies, Albert Einstein, his dog. Reed's casual attitude toward danger infuriates his on-again-off-again girlfriend, Julia, as much as his quirky mind and muscular body intrigue her. Julia, a biologist, is truly Reed's match-or maybe more than his match. They both are witty, curious, and fascinated by science. Indeed, their courtship began with banter about Stephen Hawking's theories of space-time, and ever since it has been an up-and-down adventure of sexual attraction, intellectual game-playing, and long silences when Julia refuses to return Reed's calls. When news reports reveal evidence of radioactive pollution in the land surrounding the plant, Reed and Julia's relationship faces an unprecedented challenge. In An Atomic Romance, Bobbie Ann Mason delivers a brilliant novel set against a backdrop of atomic power: a love story between a motorcycle-riding loner and an independent, strong-minded biologist; between the peaceful present in a typical American community and the nation's violent nuclear past; and, finally, between a good man and the work he takes pride in, though it may be putting his life in danger.

Apocalypse Management explains Dwight Eisenhower's eight years of self-defeating cold war policies by analyzing the pattern of Eisenhower's private and public discourse, a pattern that still dominates U.S. foreign policy, keeping us in the same state of national insecurity that marked the Eisenhower era.

Have you ever wondered how a nuclear power station works? This lively book will answer that question. It'll take you on a journey from the science behind nuclear reactors, through their start-up, operation and shutdown. Along the way it covers a bit of the engineering, reactor history, different kinds of reactors and what can go wrong with them. Much of this is seen from the viewpoint of a trainee operator on a Pressurised Water Reactor – the most common type of nuclear reactor in the world. Colin Tucker has spent the last thirty years keeping reactors safe. Join him on a tour that is the next best thing to driving a nuclear reactor yourself!

To make the journey into the Now we will need to leave our analytical mind and its false created self, the ego, behind. From the very first page of Eckhart Tolle's extraordinary book, we move rapidly into a significantly higher altitude where we breathe a lighter air. We become connected to the indestructible essence of our Being, "The eternal, ever present One Life beyond the myriad forms of life that are subject to birth and death." Although the journey is challenging, Eckhart Tolle uses simple language and an easy question and answer format to guide us. A word of mouth phenomenon since its first publication, The Power of Now is one of those rare books with the power to create an experience in readers, one that can radically change their lives for the better.

Nuclear Power: A Very Short Introduction