

Lost Discoveries The Ancient Roots Of Modern Science From Babylonians To Maya Dick Teresi

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Und die Sonne stand still Dava Sobel 2012-08-20 Schon um das Jahr 1514 verfasste Nikolaus Kopernikus eine erste Skizze seiner heliozentrischen Theorie. Nicht die Erde stand demnach im Mittelpunkt des Universums, sondern die Sonne, und die Planeten umkreisten sie. Diese Schrift war revolutionär, aber nur einem kleinen Kreis von Astronomen bekannt. Anhand zahlloser Sternbeobachtungen entwickelte Kopernikus seine Theorie weiter, das betreffende Manuskript hielt er jedoch unter Verschluss. Die geheimnisumwitterte Existenz dieser Schrift trieb Wissenschaftler in ganz Europa um. Im Jahr 1539 begab sich schließlich der junge deutsche Mathematiker Georg Joachim Rheticus nach Frauenburg, um Kopernikus zu überreden, sein Werk zu veröffentlichen. Unter dem Titel *De revolutionibus orbium coelestium* (Über die Umschwünge der himmlischen Kreise) sollte das Buch unser Verständnis von unserem Platz im Universum für immer verändern. Eleganter erzählt Dava Sobel die Geschichte der Kopernikanischen Revolution und bettet sie ein in die Geschichte der Astronomie von Aristoteles bis zum Mittelalter. Wie schon in ihren Bestsellern *Längengrad* und *Galileos Tochter* liefert sie so das unvergessliche Porträt einer wissenschaftlichen Großtat.

Hydrology Theodore V. Hromadka II 2021-02-17 In this book, an attempt is made to highlight the recent advances in Hydrology. The several topics examined in this book form the underpinnings of larger-scale considerations, including but not limited to topics such as large-scale hydrologic processes and the evolving field of Critical Zone Hydrology. Computational modeling, data collection, and visualization are additional subjects, among others, examined in the set of topics presented.

Erkenntnisse und Irrtümer in Medizin und Naturwissenschaften Hans R. Kricheldorf 2014-09-15 Wer neue Ideen hat, stößt oftmals erst auf Ablehnung. Das ist in den Naturwissenschaften und in der Medizin nicht anders als im alltäglichen Leben. Wie der Autor eindrucksvoll darstellt, haben viele wissenschaftliche Erkenntnisse und heute allgemein anerkannte Theorien mitunter Jahrzehnte oder gar Jahrhunderte benötigt, ehe sie von den Koryphäen der damaligen Zeit endlich akzeptiert wurden. Manche Entdecker wurden gar erst posthum gefeiert, und so manch großer Name erscheint in wenig strahlendem Licht, wenn man seine Irrtümer genauer unter die Lupe nimmt. Und das versteht der Autor vorzüglich, ohne dabei Schadenfreude aufkommen zu lassen. Ein kurzweiliges Lesevergnügen nicht nur für wissenschaftlich oder historisch Interessierte!

Empires of the Maya Jill Rubalcaba 2009 Long before European boats reached the shores of the Americas, sophisticated civilizations had already developed throughout the continents. The empire of the Maya, located in modern Mexico and Central America, influenced civilization there for centuries. The ancient Maya had fully developed the idea of the calendar, detailed a writing system, pioneered new ideas in agriculture, and built towering palaces and temples that still stand today. Empire of the Ancient Maya gives a brief summary of the history of the empire, placing it within the context of its time period and geographical location, and then explores the evolution of Maya civilization from its origin through the classic period to the Spanish conquest. Delving into daily life, the book includes Maya achievements in mathematics, astronomy, technology, political organization, commerce, architecture, and the arts.

History of the Maya Njord Kane 2016-11-01 Definitively tracing the evolution and history of the Maya civilization from the arrival of migrating 'first peoples' to the end of the Pre-Columbian Mesoamerican World with the Spanish Conquest in the 16th century. A span of some thousands of years are concisely covered in one volume in a thorough study of the evolution of a complex Maya society. A new world of understanding about the ancient Maya civilization has been opened up from new archaeological discoveries and studies. Easy to read and very interesting, providing first an overview, then a chapter by chapter journey through major events in Maya history.

The Gospel of Mary Magdalene And Me Rethy Devi 2021-08-31 I'm pleased to introduce my novel! I have invested last 10 years of my life researching, writing and rewriting this book. More than 500 books I have read before, I wrote this novel. Born out of diversity each of these women lived apart for centuries without any meeting, finally, provides a context and a narrative style unique to this novel. And it unravels a freshness of spirit. The tug of war between the ideologies of the east and west, the interplay of similarities in human nature spread over a vast expanse of time help interpret and understand herself. The story draws its inspiration from my interest in the intriguing nature of feminist ideas alongside spirituality and sexuality. It was a sincere effort to highlight my passion for feminist philosophies, psychology and politics. I chose to write a fiction as I enjoy telling stories and found it a good medium to weave in my other interests in sociology, history, metaphysics and quantum physics. The first part of the novel deals with the recital of life experiences of Mary Magdalene, who lived nearly two thousand years ago. There was a noble woman called Lexmi who lived in modern era. In the second part, Lexmi relates to Mary Magdalene, her woes as a philosopher and her frustrations reflective of life in today's world. War is just like terrorism, 20 million people died in the two world Wars and 10 million people vanished at the time of partition of India. My novel is seriously discussing these issues.

Lost Discoveries Dick Teresi 2010-05-11 Lost Discoveries, Dick Teresi's innovative history of science, explores the unheralded scientific breakthroughs from peoples of the ancient world -- Babylonians, Egyptians, Indians, Africans, New World and Oceanic tribes, among others -- and the non-European medieval world. They left an enormous heritage in the fields of mathematics, astronomy, cosmology, physics, geology, chemistry, and technology. The mathematical foundation of Western science is a gift from the Indians, Chinese, Arabs, Babylonians, and Maya. The ancient Egyptians developed the concept of the lowest common denominator, and they developed a fraction table that modern scholars estimate required 28,000 calculations to compile. The Babylonians developed the first written math and used a place-value number system. Our numerals, 0 through 9, were invented in ancient India; the Indians also boasted geometry, trigonometry, and a kind of calculus. Planetary astronomy as well may have begun with the ancient Indians, who correctly identified the relative distances of the known planets from the sun, and knew the moon was nearer to the earth than the sun was. The Chinese observed, reported, dated, recorded, and interpreted eclipses between 1400 and 1200 b.c. Most of the names of our stars and constellations are Arabic. Arabs built the first observatories. Five thousand years ago, the Sumerians said the earth was circular. In the sixth century, a Hindu astronomer taught that the daily rotation of the earth on its axis provided the rising and setting of the sun. Chinese and Arab scholars were the first to use fossils scientifically to trace earth's history. Chinese alchemists realized that most physical substances were merely combinations of other substances, which could be mixed in different proportions. Islamic scholars are legendary for translating scientific texts of many languages into Arabic, a tradition that began with alchemical books. In the eleventh century, Avicenna of Persia divined that outward qualities of metals were of little value in classification, and he stressed internal structure, a notion anticipating Mendeleev's periodic chart of elements. Iron suspension bridges came from Kashmir, printing from India; papermaking was from China, Tibet, India, and Baghdad; movable type was invented by Pi Sheng in about 1041; the Quechuan Indians of Peru were the first to vulcanize rubber; Andean farmers were the first to freeze-dry potatoes. European explorers depended heavily on Indian and Filipino shipbuilders, and collected maps and sea charts from Javanese and Arab merchants. The first comprehensive, authoritative, popularly written, multicultural history of science, Lost Discoveries fills a crucial gap in the history of science.

The God Particle Leon M. Lederman 2006 The world's foremost experimental physicist uses humor, metaphor, and storytelling to delve into the mysteries of matter, discussing the as-yet-to-be-discovered God particle.

Astonishing Ancient World Scientists Amy Graham 2009 "Read about some of the most well-known ancient scientists and mathematicians: Pythagoras, Hippocrates, Aristotle, Archimedes, Galen, Ptolemy, Zhang Heng, and al-Khwarizmi!"--Provided by publisher.

Introduction to the Mechanics of Deformable Solids David H. Allen 2012-08-09 Introduction to the Mechanics of Deformable Solids: Bars and Beams introduces the theory of beams and bars, including axial, torsion, and bending loading and analysis of bars that are subjected to combined loadings, including resulting complex stress states using Mohr's circle. The book provides failure analysis based on maximum stress criteria and introduces design using models developed in the text. Throughout the book, the author emphasizes fundamentals, including consistent mathematical notation. The author also presents the fundamentals of the mechanics of solids in such a way that the beginning student is able to progress directly to a follow-up course that utilizes two- and three-dimensional finite element codes imbedded within modern software packages for structural design purposes. As such, excessive details included in the previous generation of textbooks on the subject are obviated due to their obsolescence with the availability of today's finite element software packages.

Lost Knowledge Benjamin B. Olshin 2019-02-19 Lost Knowledge: The Concept of Vanished Technologies and Other Human Histories investigates early texts that speak of sophisticated technologies millennia ago that became obscured over time or were destroyed with the civilizations that had created them.

The Crest of the Peacock George Gheverghese Joseph 2010-10-04 From the Ishango Bone of central Africa and the Inca quipu of South America to the dawn of modern mathematics, The Crest of the Peacock makes it clear that human beings everywhere have been capable of advanced and innovative mathematical thinking. George Gheverghese Joseph takes us on a breathtaking multicultural tour of the roots and shoots of non-European mathematics. He shows us the deep influence that the Egyptians and Babylonians had on the Greeks, the Arabs' major creative contributions, and the astounding range of successes of the great civilizations of India and China. The third edition emphasizes the dialogue between civilizations, and further explores how mathematical ideas were transmitted from East to West. The book's scope is now even wider, incorporating recent findings on the history of mathematics in China, India, and early Islamic civilizations as well as Egypt and Mesopotamia. With more detailed coverage of proto-mathematics and the origins of trigonometry and infinity in the East, The Crest of the Peacock further illuminates the global history of mathematics.

Science, Technology, and Society Sal Restivo 2005-05-19 Emphasizing an interdisciplinary and international coverage of the functions and effects of science and technology in society and culture, Science, Technology, and Society contains over 130 A to Z signed articles written by major scholars and experts from academic and scientific institutions and institutes worldwide. Each article is accompanied by a selected bibliography. Other features include extensive cross referencing throughout, a directory of contributors, and an extensive topical index.

The Invention of Science: Why History of Science Matters for the Classroom Catherine Milne 2011-11-13 The Invention of Science: Why History of Science Matters for the Classroom introduces readers to some of the developments that were key for the emergence of Eurocentric science, the discipline we call science. Using history this book explores how human groups and individuals were key to the invention of the discipline of we call science. All human groups have a need and desire to produce systematic knowledge that supports their ongoing survival as a community. This book examines how history can help us to understand emergence of Eurocentric science from local forms of systematic knowledge. Each chapter explores elements that were central to the invention of science including beliefs of what was real and true, forms of reasoning to be valued, and how the right knowledge should be constructed and the role of language. But most importantly this book presented these ideas in an accessible way with activities and questions to help readers grapple with the ideas being presented. Enjoy!

Searching for Adam Dr. Terry Mortenson 2016-10-01 Though there are a growing number of books out on Adam, this one is unique with its multi-author combination of biblical, historical, theological, scientific, archaeological, and ethical arguments in support of believing in a literal Adam and the Fall. A growing number of professing evangelical leaders and scholars are doubting or denying a literal Adam and a literal Fall, which thereby undermines the gospel of Jesus Christ, the Last Adam, who came to undo the damaging consequences of Adam's sin and restore us to a right relationship with our Creator. This book is increase your confidence in the truth of Genesis 1-11 and the gospel! Enhance your understanding pertaining to the biblical evidence for taking Genesis as literal history Discover the scientific evidence from genetics, fossils, and human anatomy for the Bible's teaching about Adam Understand the moral, spiritual, and gospel reasons why belief in a literal Adam and Fall are essential for Christian orthodoxy

1491 Charles C. Mann 2014-10-02 Up until very recently it was believed that in 1491, the year before Columbus landed, the Americas, one-third of the earth's surface, were a near-pristine wilderness inhabited by small roaming bands of indigenous people. But recently unexpected discoveries have dramatically changed our understanding of Indian life. Many scholars now argue that the Indians were much more numerous, were in the Americas for far longer and had far more ecological impact on the land than previously believed. This knowledge has enormous implications for today's environmental disputes, yet little has filtered into textbooks and even less into public awareness. Mann brings together all of the latest research, and the results of his own travels throughout North and South America, to provide a new, fascinating and iconoclastic account of the Americas before Columbus.

Bomb, Book and Compass Simon Winchester 2008-09-25 Before fate intervened, Joseph Needham was a distinguished biochemist at Cambridge University, married to a fellow scientist. In 1937 he was asked to supervise a young Chinese student named Lu Gwei-Djen, and in that moment began the two greatest love affairs of his life - Miss Lu, and China. Miss Lu inspired Needham to travel to China where he initially spent three dangerous years as a wartime diplomat. He established himself as the pre-eminent China scholar of all time, firm in his belief that China would one day achieve world prominence. By the end of his life, Needham had become a truly global figure, travelling endlessly and honoured by all - though banned from America because of his politics. And in 1989, after a fifty-two year affair, he finally married the woman who had first inspired his passion. The Magnificent Barbarian is Simon Winchester at his best - at once a magnificent portrait of one man's remarkable life and a riveting exploration of the country that so engaged him.

Discoveries and Inventions in Literature for Youth Joy L. Lowe 2004 A compilation of books and other resources that are appropriate for students in kindergarten through twelfth grade.

1491 (Second Edition) Charles C. Mann 2006-10-10 In this groundbreaking work of science, history, and archaeology, Charles C. Mann radically alters our understanding of the Americas before the arrival of Columbus in 1492. Contrary to what so many Americans learn in school, the pre-Columbian Indians were not sparsely settled in a pristine wilderness; rather, there were huge numbers of Indians who actively molded and influenced the land around them. The astonishing Aztec capital of Tenochtitlan had running water and immaculately clean streets, and was larger than any

contemporary European city. Mexican cultures created corn in a specialized breeding process that it has been called man's first feat of genetic engineering. Indeed, Indians were not living lightly on the land but were landscaping and manipulating their world in ways that we are only now beginning to understand. Challenging and surprising, this a transformative new look at a rich and fascinating world we only thought we knew.

NGOs im Spannungsfeld von Krisenprävention und Sicherheitspolitik Ansgar Klein 2008-05-10 Nicht-Regierungsorganisationen (NGOs) spielen sowohl in der internationalen Krisenprävention als auch in der Förderung demokratischer Nachkriegsgesellschaften und Entwicklungszusammenarbeit eine wichtige Rolle. In diesem Buch werden u. a. folgende Fragen behandelt: Wie gestaltet sich das Verhältnis von Entwicklungszusammenarbeit und Friedenssicherung in der Praxis? Welche Rolle spielen Hilfsorganisationen in Konflikt- und Postkonfliktkrisensituationen? Und wie wirken sich Terrorismus, Sicherheitspolitik und insbesondere der von den USA proklamierte internationale Kampf gegen den Terrorismus auf die Arbeitsbedingungen von NGOs in Krisen- und Konfliktgebieten aus? Dieser Band richtet sich sowohl an die Praktikerinnen und Praktiker, die in zahlreichen NGOs im Spannungsfeld von Krisenprävention und Sicherheitspolitik arbeiten, als auch an den universitären Raum.

Journey into Europe Akbar Ahmed 2018-02-27 An unprecedented, richly, detailed, and clear-eyed exploration of Islam in European history and civilization Tensions over Islam were escalating in Europe even before 9/11. Since then, repeated episodes of terrorism together with the refugee crisis have dramatically increased the divide between the majority population and Muslim communities, pushing the debate well beyond concerns over language and female dress. Meanwhile, the parallel rise of right-wing, nationalist political parties throughout the continent, often espousing anti-Muslim rhetoric, has shaken the foundation of the European Union to its very core. Many Europeans see Islam as an alien, even barbaric force that threatens to overwhelm them and their societies. Muslims, by contrast, struggle to find a place in Europe in the face of increasing intolerance. In tandem, anti-Semitism and other forms of discrimination cause many on the continent to feel unwelcome in their European homes. Akbar Ahmed, an internationally renowned Islamic scholar, traveled across Europe over the course of four years with his team of researchers and interviewed Muslims and non-Muslims from all walks of life to investigate questions of Islam, immigration, and identity. They spoke with some of Europe's most prominent figures, including presidents and prime ministers, archbishops, chief rabbis, grand muftis, heads of right-wing parties, and everyday Europeans from a variety of backgrounds. Their findings reveal a story of the place of Islam in European history and civilization that is more interwoven and complex than the reader might imagine, while exposing both the misunderstandings and the opportunities for Europe and its Muslim communities to improve their relationship. Along with an analysis of what has gone wrong and why, this urgent study, the fourth in a quartet examining relations between the West and the Muslim world, features recommendations for promoting integration and pluralism in the twenty-first century.

Science and Technology in World History [2 volumes] William E. Burns 2020-02-29 This encyclopedia offers an interdisciplinary approach to studying science and technology within the context of world history. With balanced coverage, a logical organization, and in-depth entries, readers of all inclinations will find useful and interesting information in its contents. Science and Technology in World History takes a truly global approach to the subjects of science and technology and spans the entirety of recorded human history. Topical articles and entries on the subjects are arranged under thematic categories, which are divided further into chronological periods. This format, along with the encyclopedia's integrative approach, offers an array of perspectives that collectively contribute to the understanding of numerous fields across the world, and over eras of development. Entries cover discussions of scientific and technological innovations and theories, historical vignettes, and important texts and individuals throughout the world. From the discovery of fire and the innovation of agricultural methods in China to the establishment of surgical practices in France and the invention of Quantum Theory, this encyclopedia offers comprehensive coverage of fascinating topics in science and technology through a straightforward, historical lens. Provides readers with a multicultural view of the evolution of science and technology from prehistory to the present Covers both scientific theory and practical technology Encourages readers to think about science and technology in historical terms Places current conditions within a broad historical framework

The Vedic Core of Human History M. K. Agarwal 2013-12 The origin of world civilization can be traced to the Indus Valley cradle, where brilliant and original thinkers made groundbreaking discoveries. The history of these discoveries is recorded in the vast Sanskrit literature. In this study, author M. K. Agarwal explores the cultural and historical significance of the region. He explores Indus Valley culture, which encouraged creative thought as opposed to the Abrahamic faiths, which herded followers into dogmatic thinking. He holds that these religions prospered because of their unfettered hatred of the Vedic-Hindu-Buddhist peoples, who were demonized as pagans to be murdered, tortured, raped, enslaved, and robbed. He also considers the achievements of that culture, such as the creation of the most affluent, most scientifically advanced, and most spiritual of all societies, with archeological moorings that can be traced back to 8000 BC. No other region can even come close to transforming people and culture like the Indus Valley, but the world's Vedic roots have been ignored, shunned, and covered up. Uncover the history that has been lost and develop a deeper appreciation for the true cradle of human civilization with The Vedic Core of Human History.

The Myths of Innovation Scott Berkun 2010-08-13 In this new paperback edition of the classic bestseller, you'll be taken on a hilarious, fast-paced ride through the history of ideas. Author Scott Berkun will show you how to transcend the false stories that many business experts, scientists, and much of pop culture foolishly use to guide their thinking about how ideas change the world. With four new chapters on putting the ideas in the book to work, updated references and over 50 corrections and improvements, now is the time to get past the myths, and change the world. You'll have fun while you learn: Where ideas come from The true history of history Why most people don't like ideas How great managers make ideas thrive The importance of problem finding The simple plan (new for paperback) Since its initial publication, this classic bestseller has been discussed on NPR, MSNBC, CNBC, and at Yale University, MIT, Carnegie Mellon University, Microsoft, Apple, Intel, Google, Amazon.com, and other major media, corporations, and universities around the world. It has changed the way thousands of leaders and creators understand the world. Now in an updated and expanded paperback edition, it's a fantastic time to explore or rediscover this powerful view of the world of ideas. "Sets us free to try and change the world."--Guy Kawasaki, author of *Art of the Start* "Small, simple, powerful: an innovative book about innovation."--Don Norman, author of *Design of Everyday Things* "Insightful, inspiring, evocative, and just plain fun to read. It's totally great."--John Seely Brown, Former Director, Xerox Palo Alto Research Center (PARC) "Methodically and entertainingly dismantling the clichés that surround the process of innovation."--Scott Rosenberg, author of *Dreaming in Code*; cofounder of Salon.com "Will inspire you to come up with breakthrough ideas of your own."--Alan Cooper, Father of Visual Basic and author of *The Inmates are Running the Asylum* "Brimming with insights and historical examples, Berkun's book not only debunks widely held myths about innovation, it also points the ways toward making your new ideas stick."--Tom Kelley, GM, IDEO; author of *The Ten Faces of Innovation*

The Maya Njord Kane 2016-10-28 Definitively tracing the evolution of the Maya civilization from the arrival of migrating 'first peoples' to the end of the Pre-Columbian Mesoamerican World with the Spanish Conquest in the 16th century AD. A span of some thousands of years are concisely covered in one volume in a thorough study of the evolution of a complex Maya society. A new world of understanding about the ancient Maya civilization has opened up from new archaeological discoveries and studies. The mystery of 'Maya Blue' revealed and an understanding of Maya Arithmetic presented in simplified ways to quickly understand the Maya system with a method to count and do math calculations using a Maya abacus or only using four fingers on each hand. Easy to read and very interesting, providing first an overview, then a chapter by chapter journey through major events in Maya history, concluding with a separated portion of highlighting major aspects in Maya knowledge and ancient ways.

From the First Rising Sun Charla Jean Morris 2011-08-10 While in medical school (which I did not have the privilege of completing), once a week we had a small group discussion class called Focus On Problems. Each group had a leader, a member of the medical school staff or someone closely associated with the school, usually an MD or Ph.D. Our group leader was Dean of the Medical School, H. David Wilson, MD. One class period focused on working with patients of different ethnic backgrounds. Dr. Wilson asked me what were some of the traditions of my tribe in regard to medicine that would be helpful for a doctor to know. My reply was that I had been raised like a white, that I had grown up learning about various herbal and natural remedies, but that I knew nothing about the specific medical traditions, ceremonial or secular, of my people. I had always longed to know of the traditions of my people before that, but circumstances of my family history had not allowed it. That question in the Focus On Problems class caused that longing to intensify into a sharp pang of longing that would not be satisfied until many years later. While in the first two years of medical school as a nontraditional student, I was in an environment that encouraged the development of the knowledge of Native American traditions. We had Native American speakers that came and elaborated on Native American traditions. One area that was lacking was tribal histories, but what academics label prehistory. I commented to her that when white man came, they did all they could to destroy our social and religious fabric, so the old traditions were not passed down to most of the remaining members of the tribes. Now we know nothing of our old history. There is nothing left. The white side of my family history is easy to know, but not my Cherokee and Choctaw side. She replied by saying that, yes, many of our peoples have lost their old traditions, and it is sad.

Outstanding Books for the College Bound Angela Carstensen 2011-05-27 Connecting teens to books they'll truly enjoy is the aim of every young adult librarian, and the completely revamped guide *Outstanding Books for the College Bound* will give teen services staff the leg up they need to make it happen. Listing nearly 200 books deemed outstanding for the college bound by the Young Adult Library Services Association (YALSA), this indispensable resource Examines how the previous lists in the series were developed, and explains the book's new layout Features engaging, helpful book descriptions useful for readers' advisory Offers programming tips and other ideas for ways the lists can be used at schools and public libraries Includes indexes searchable by topic, year, title, and author More than simply a vital collection development tool, this book can help librarians help young adults grow into the kind of independent readers and thinkers who will flourish at college.

The History of China

Balancing the Common Core Curriculum in Middle School Education James H. Bunn 2017-01-09 This book examines the idea of 'good education' which is thought to include a scientific and technical component, a mathematical component, a writing component, and an ethical and aesthetic component. Bunn proposes a new three-way intersection in these teachings: the basic sciences and mechanics of leveraging on a seesaw, the basic formulations of patterning an algebraic equation, and the basic rules for writing a sentence in English. In all three forms of inquiry, balance is the mainstay through which problems in US middle school education are brought together and analyzed.

Einstein vs. Bergson Alessandra Campo 2021-11-08 This book brings together papers from a conference that took place in the city of L'Aquila, 4-6 April 2019, to commemorate the 10th anniversary of the earthquake that struck on 6 April 2009. Philosophers and scientists from diverse fields of research debated the problem that, on 6 April 1922, divided Einstein and Bergson: the nature of time. For Einstein, scientific time is the only time that matters and the only time we can rely on. Bergson, however, believes that scientific time is derived by abstraction, even in the sense of extraction, from a more fundamental time. The plurality of times envisaged by the theory of Relativity does not, for him, contradict the philosophical intuition of the existence of a single time. But how do things stand today? What can we say about the relationship between the quantitative and qualitative dimensions of time in the light of contemporary science? What do quantum mechanics, biology and neuroscience teach us about the nature of time? The essays collected here take up the question that pitted Einstein against Bergson, science against philosophy, in an attempt to reverse the outcome of their monologue in two voices, with a multilogue in several voices.

The Story of Science: Aristotle Leads the Way Joy Hakim 2016-04-26 Readers will travel back in time to ancient Babylonia, Egypt, and Greece. They will meet the world's first astronomers, mathematicians, and physicists and explore the lives and ideas of such famous people as Pythagoras, Archimedes, Brahmagupta, al-Khwarizmi, Fibonacci, Ptolemy, St. Augustine, and St. Thomas Aquinas. Hakim will introduce them to Aristotle—one of the greatest philosophers of all time—whose scientific ideas dominated much of the world for eighteen centuries. In the three-book *The Story of Science* series, master storyteller Joy Hakim narrates the evolution of scientific thought from ancient times to the present. With lively, character-driven narrative, Hakim spotlights the achievements of some of the world's greatest scientists and encourages a similar spirit of inquiry in readers. The books include hundreds of color photographs, charts, maps, and diagrams; informative sidebars; suggestions for further reading; and excerpts from the writings of great scientists.

Alien Life Imagined Mark Brake 2012-11-08 Compelling account of how ideas of alien life have evolved for general readers, amateur astronomers and undergraduate students studying astrobiology.

Groundbreaking Scientific Experiments, Inventions, and Discoveries of the Middle Ages and the Renaissance Robert E. Krebs 2004 The Middle Ages and the Renaissance were a period of scientific and literary reawakening. This reference work describes more than 75 experiments, inventions, and discoveries of the period, as well as the scientists, physicians, and scholars responsible for them. Individuals such as Leonardo da Vinci, Marco Polo, and Galileo are included, along with entries on reconstructive surgery, Stonehenge, eyeglasses, the microscope, and the discovery of smallpox.

Echoes of Ancient Indian Wisdom Shantha N. Nair 2008 The echoes of ancient Indian wisdom can be heard from the oldest of scriptures that existed many years ago. Even thousands of years before they were written down on palm leaves, the teachings were passed on from generations to generations, from the teachers to the disciples in their oral form. These works are amongst the oldest of humanity. They laid the foundation of one of the most tolerant and diverse religions in the world, the Sanatan Dharma or Hinduism, which is marked by a wide range of ethos and philosophical approaches. Covering the vastness and immensity of the ancient Indian scriptures is akin to capturing a gigantic ocean in a small pitcher. Thus, in this book, the author has tried to catch a few 'echoes' resonating with age-old wisdom and has presented them to the readers. The book unravels the knowledge hidden inside the Samhitas, Brahmanas, Aranyakas and Upanishads of the Shrutis that form the Vedas, and in the Smritis like Agamas, Dharma Shastras and so on. In short, it provides a glimpse, or rather a macro view of the ancient treasure of India.

How Mechanics Shaped the Modern World David Allen 2013-09-24 This unique book presents a nontechnical view of the history of mechanics, from the Big Bang to present day. The impact of mechanics on the evolution of a variety of subjects is vividly illustrated, including astronomy, geology, astrophysics, anthropology, archeology, ancient history, Renaissance art, music, meteorology, modern structural engineering, mathematics, medicine, warfare, and sports. While enormous in scope, the subject matter is covered (with ample photographic support) at a level designed to capture the interest of both the learned and the curious. The book concludes with a creative and thoughtful examination of the current state of mechanics and possibilities for the future of mechanics.

Western Civilization in World History Peter N. Stearns 2008-01-28 Western civilization and world history are often seen as different, or even mutually exclusive, routes into historical studies. This volume shows that they can be successfully linked, providing a tool to see each subject in the context of the other, identifying influences and connections. *Western Civilization in World History* takes up the recent debates about the merits of the well-established 'Western civ' approach versus the newer field of world history. Peter N. Stearns outlines key aspects of Western civilization - often assumed rather than analyzed - and reviews them in a global context.

The Undeath Dick Teresi 2012-03-13 Important and provocative, *The Undeath* examines why even with the tools of advanced technology, what we think of as life and death, consciousness and nonconsciousness, is not exactly clear and how this problem has been further complicated by the business of organ harvesting. Dick Teresi, a science writer with a dark sense of humor, manages to make this story entertaining, informative, and accessible as he shows how death determination has become more complicated than ever. Teresi introduces us to brain-death experts, hospice workers, undertakers, coma specialists and those who have recovered from coma, organ transplant surgeons and organ procurers, anesthesiologists who study pain in legally dead patients, doctors who have saved living patients from organ harvests, nurses who care for beating-heart cadavers, ICU doctors who feel subtly pressured to declare patients dead rather than save them, and many others. Much

of what they have to say is shocking. Teresi also provides a brief history of how death has been determined from the times of the ancient Egyptians and the Incas through the twenty-first century. And he draws on the writings and theories of celebrated scientists, doctors, and researchers—Jacques-Bénigne Winslow, Sherwin Nuland, Harvey Cushing, and Lynn Margulis, among others—to reveal how theories about dying and death have changed. With *The Undead*, Teresi makes us think twice about how the medical community decides when someone is dead.

Empirical Nursing Bernie Garrett 2018-10-26 This book presents a novel approach to understanding the science and art of nursing that underpins evidence-based practice. It explores the foundational philosophical principles of nursing in an accessible manner, to enable readers to grasp the key arguments behind empirical nursing and why it is important for nurses to understand it.

Lost Discoveries Dick Teresi 2002 This book, an innovative history of science, explores the scientific breakthroughs from peoples of the ancient world—Babylonians, Egyptians, Indians, Africans, New World and Oceanic tribes, among others—and the non-European medieval world. They left an enormous heritage in the fields of mathematics, astronomy, cosmology, physics, geology, chemistry, and technology. The first comprehensive, authoritative, popularly written, multicultural history of science, *Lost Discoveries* fills a crucial gap in the history of science.

Wiki Works Robert Maloy 2017-11-01 *Wiki Works in the History and Humanities Classroom* shows how teachers and students—working together as learning partners—can use interactive wiki technologies to transform the teaching of history and humanities topics through web-based research and inquiry-based learning.

lost-discoveries-the-ancient-roots-of-modern-science-from-babylonians-to-maya-dick-teresi

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