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WEEKLY November 28 - December 4, 2015

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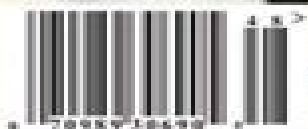
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Gale Eaton



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Environmental Success Stories Frank Dunnivant, 2017-03-21 Unlike many titles on environmental issues that portend a dark future *Environmental Success Stories* delves into the most daunting ecological and environmental challenges humankind has faced and shows how scientists, citizens, and a responsive public sector have dealt with them successfully. In addition to presenting the basic chemical and environmental science underlying problems like providing clean drinking water, removing DDT and lead from agriculture and our homes, and curtailing industrial pollution, this book also discusses the political actors, agency regulators, and community leaders who have collaborated to enact effective legislation. Sharing the stories of the people, organizations, and governments who have addressed these problems successfully, Frank M. Dunnivant explains how we might confront the world's largest and most complex environmental crisis: climate change. Now is the time for rededicated scientific exploration and enlightened citizen action to save our environment, and Dunnivant's book offers a stirring call to action.

Advances in Diagnosis and Management of Phytonematodes P. Parvatha Reddy, 2024-02-06 *Advances in Diagnosis and Management of Phytonematodes* provides information on various aspects of diagnosis and eco-friendly nematode management. It explains at length nematode diagnosis, morphological, biochemical, and molecular, and management strategies, regulatory, physical, cultural, chemical, biological, host resistance, and integrated management methods. This book will be of immense value to the scientific community involved in teaching, research, and extension activities related to the diagnosis and management of phytonematodes. It is suitable for teaching both undergraduate and postgraduate courses in the field of plant protection. It can also serve as an advantageous reference to policymakers and practicing farmers. Print edition not for sale in India.

Ryan's Retina E-Book Charles P. Wilkinson, David R. Hinton, Srinivas R. Sadda, Peter Wiedemann, 2017-04-17 The undisputed gold standard text in the field, *Ryan's Retina* is your award-winning choice for the most current authoritative information on new technologies, surgical approaches, scientific advances, and diagnostic and therapeutic options for retinal diseases and disorders. Packed with timely updates throughout, new illustrations, and a dedicated team of editors who extend Dr. Ryan's legacy in retina, this outstanding 6th Edition is a must-have reference for retinal specialists, ophthalmologists, and fellows in training. Offers the most comprehensive content available on retina, balancing the latest scientific research and clinical correlations covering everything you need to know on retinal diagnosis, treatment, development, structure, function, and pathophysiology. Provides a truly global perspective from five highly esteemed section editors and more than 350 other world authorities from across Europe, Asia, Australasia, and the Americas. Bullets. Includes new chapters on widefield imaging, intraoperative OCT imaging, medical management of diabetes mellitus, and age-related macular degeneration and senile retinoschisis. Includes more than 1,150 brand-new illustrations, scans, and photographs throughout. Covers the explosion of new imaging options across optical coherence tomography, OCT fundus imaging, and autofluorescence imaging, including a greatly expanded OCT imaging chapter that features crucial information.

on OCT Angiography OCT A Presents new pharmacotherapy data and the latest approaches in anti VEGF therapy for age related macular degeneration diabetic retinopathy and venous occlusive disease Contains thorough content updates in every area of retina including advanced imaging technologies gene therapy inflammation and immune responses white dot syndromes epigenetic mechanisms transplantation frontiers to improve retinal function macular hole myopic eye disease ocular trauma drug delivery to the posterior segment advances in macular surgery vitrectomy and complex retinal detachment tumors and retinal genetics and biology

Religion and its Origins in Human Psychology: A View through History Michael Kay,2024-03-01 In an era of scientific dominance why does religion still maintain an unshakeable grip over so many lives dramatically impacting world events Why did humanity first develop religious constructs and institutions How has our relationship with the divine evolved over civilisation s history This book chronicles religion s enduring role across millennia its profound shaping of both individuals and societies Reviewing psychological theories it explores the evolution of our inherent need to interact with gods and the supernatural Religion was our original science humanity s first response to the natural world and our place within it Since then two major transitions have revolutionised our religious approach First the emergence of teachers like Zoroaster Jesus and Mohammed introduced personal and social accountability Today science and nationalism inherit many attributes once exclusive to faiths Throughout history religion also empowered rulers who claimed special divine sanction to exert authority and wage war Despite an uneasy coexistence with science religion perseveres because it continues answering profound human requirements at personal and collective levels This is the innate legacy that ensures religion s hold over life and world affairs is unlikely to ever diminish

Smart Farming Technologies to Attain Food and Nutrition Security P. Parvatha Reddy,2024-02-06 The concept of Rainbow Revolution is an integrated development of crop cultivation horticulture forestry fishery poultry animal husbandry and food processing industry The concept of Smart Farming Technologies in agriculture is a step towards sustainability India has already achieved resilience in agriculture including the horticultural sector through effective agricultural technology generation and is now on the threshold of a rainbow revolution that will ensure both household nutrition security and prosperity for its people This book will be of immense value to the scientific community involved in teaching research and extension activities related to strategies for achieving Rainbow Revolution for enhancing farmers income food and nutrition security The book can also serve as a very useful reference for policymakers and practicing farmers

Insatiable Stuart Sim,2017-06-15 Hurling our financial markets through tempests of speculation driving our businesses into practices of simultaneous austerity for those on the bottom and lavish expenditure for those on the top and flying high as a banner for outspoken bankers brokers and politicians alike has been a prevailing ethos greed is good In this book Stuart Sim calls for an end to this madness exposing the massively damaging effects that greed has had on both public and private life and showing how the actions of a socially irresponsible greedocracy have systematically undermined our democratic institutions Ranging across politics economic

theory finance healthcare the food industry sports religion and the arts Sim demonstrates how deeply embedded the greed imperative is in human psychology As he shows all of us as individuals are capable of greed usually in small and insignificant ways but some embrace it to the extreme and moreover it has thrived as a powerful force in our wider culture and institutions asserting itself everywhere we go The food industry encourages us to overeat The medical industry has increasingly been driven by profits rather than well being Corporations hypocritically claim fiscal responsibility driving down workers wages while paying executives even those who drive the business into the ground record sums Looking at larger phenomena such as the increasing wealth gap and exponential population growth Sim also proffers various ways we can deal with greed in our day to day lives And as he shows we must deal with it Insatiable is a wakeup call to recognize the horrible effects that greed is having on our relationships institutions cultures environment even on our own bodies and that we must resist it wherever we can Artificial Intelligence and Machine Learning in Business Management Sandeep Kumar

Panda,Vaibhav Mishra,R. Balamurali,Ahmed A. Elngar,2021-11-04 Artificial Intelligence and Machine Learning in Business Management The focus of this book is to introduce artificial intelligence AI and machine learning ML technologies into the context of business management The book gives insights into the implementation and impact of AI and ML to business leaders managers technology developers and implementers With the maturing use of AI or ML in the field of business intelligence this book examines several projects with innovative uses of AI beyond data organization and access It follows the Predictive Modeling Toolkit for providing new insight on how to use improved AI tools in the field of business It explores cultural heritage values and risk assessments for mitigation and conservation and discusses on shore and off shore technological capabilities with spatial tools for addressing marketing and retail strategies and insurance and healthcare systems Taking a multidisciplinary approach for using AI this book provides a single comprehensive reference resource for undergraduate graduate business professionals and related disciplines *Art Crime* Noah Charney,2016-03-02 Since the

Second World War art crime has shifted from a relatively innocuous often ideological crime into a major international problem considered by some to be the third highest grossing criminal trade worldwide This rich volume features essays on art crime by the most respected and knowledgeable experts in this interdisciplinary subject **Thriving with Microbes**

Sputnik Futures,2021-12-07 From the remarkable minds of Sputnik Futures this visually engaging exploration of the microbes that surround us and how these unseen powerhouses are shaping our future is perfect for readers of I Contain Multitudes and 10% Human Let s face it microbes rule the world Bacteria fungi archaea protozoa algae even viruses these microorganisms may go unseen but the impact they have on our lives is unmistakable From panspermia the bacteria dust from our galaxy and the microbiomes of our homes and our environments to emerging research on microbes role in our social emotions of love and empathy and the realization that we are a superorganism made up of trillions of bacteria that may be what makes us human the authors take you through a fascinating revelation of how microbial populations play a crucial role

in every aspect of our life Breakthroughs in our understanding of microbes are shaping the frontier of medicine and health technology environmentalism wellness architecture and more Microbes are talking to us and we are learning to speak to them in turn For example did you know That the mind and the gut talk to each other That your personality may be shaped by your microbiome That a lack of biodiversity can make you sick That microbes can reverse climate change and reduce plastic waste That our first microbes came from the universe and we are taking our microorganisms back to space In *Thriving with Microbes* the brilliant minds of Sputnik Futures reveal cutting edge discoveries from biologists doctors ecologists technologists and thought leaders as they explore the vast network of microorganisms around and within us With expert voices bold discoveries and engaging visuals this captivating addition to the Alice in Futureland series is a must read guide to the vibrant microbial world we inhabit how it is shaping our individuality and the miraculous future these microorganisms are showing us

Sonic Rupture Jordan Lacey, 2017-12-28 *Sonic Rupture* applies a practitioner led approach to urban soundscape design which foregrounds the importance of creative encounters in global cities This presents an alternative to those urban soundscape design approaches concerned with managing the negative health impacts of noise Instead urban noise is considered to be a creative material and cultural expression that can be reshaped with citywide networks of sonic installations By applying affect theory the urban is imagined as an unfolding of the Affective Earth and noise as its homogenous and homogenizing voice It is argued that noise is an expressive material with which sonic practitioners can interface to increase the creative possibilities of urban life At the heart of this argument is the question of relationships how do we augment and diversify those interconnections that weave together the imaginative life and the expressions of the land The book details seven sound installations completed by the author as part of a creative practice research process in which the sonic rupture model was discovered The sonic rupture model which aims to diversify human experiences and urban environments encapsulates five soundscape design approaches and ten practitioner intentions Multiple works of international practitioners are explored in relation to the discussed approaches *Sonic Rupture* provides the domains of sound art music creative practice urban design architecture and environmental philosophy with a unique perspective for understanding those affective forces which shape urban life The book also provides a range of practical and conceptual tools for urban soundscape design that can be applied by the sonic practitioner

A History of Ambition in 50 Hoaxes Gale Eaton, 2016-09-06 What do the Trojan Horse Piltdown Man Keely Motor Company and Ponzi Scheme have in common They were all famous hoaxes carefully designed and bolstered with false evidence The con artists in this book pursued a variety of ambitions making money winning wars mocking authority finding fame trading an ordinary life for a glamorous one but they all chose the lowest fastest road to get there Every hoax is a curtain and behind it is a deceiver operating levers and smoke machines to make us see what is not there and miss what is As P T Barnum knew you can short circuit critical thinking in any century by telling people what they want to hear Most scams operate on a personal scale but some have shaped the balance

of world power inspired explorers to sail uncharted seas derailed scientific progress or caused terrible massacres **A HISTORY OF AMBITION IN 50 HOAXES** guides us through a rogue s gallery of hustlers liars swindlers imposters scammers pretenders and cheats In Gale Eaton s wide ranging synthesis the history of deception is a colorful tour with surprising insights behind every curtain Fountas Pinnell Level Z **Big Data for Urban Sustainability** Stephen Jia Wang,Patrick Moriarty,2018-03-22

This book presents a practical framework for the application of big data cloud and pervasive and complex systems to sustainable solutions for urban environmental challenges It covers the technologies potential and possible and impact of big data on energy efficiency and the urban environment The book first introduces key aspects of big data cloud services pervasive computing and mobile technologies from a pragmatic design perspective including sample open source firmware Cloud services mobile and embedded platforms interfaces operating system design methods networking and middleware are all considered The authors then explore in detail the framework design principles architecture and key components of developing energy systems to support sustainable urban environments The included case study provides a pathway to improve the eco efficiency of urban transport demonstrating how to design an energy efficient next generation urban navigation system by leveraging vast cloud data sets on user behavior Ultimately this resource maps big data s pivotal intersection with rapid global urbanization along the path to a sustainable future *Advanced AI Techniques and Applications in Bioinformatics* Loveleen Gaur,Arun Solanki,Samuel Fosso Wamba,Noor Zaman Jhanjhi,2021-10-17

The advanced AI techniques are essential for resolving various problematic aspects emerging in the field of bioinformatics This book covers the recent approaches in artificial intelligence and machine learning methods and their applications in Genome and Gene editing cancer drug discovery classification and the protein folding algorithms among others Deep learning which is widely used in image processing is also applicable in bioinformatics as one of the most popular artificial intelligence approaches The wide range of applications discussed in this book are an indispensable resource for computer scientists engineers biologists mathematicians physicians and medical informaticists Features Focusses on the cross disciplinary relation between computer science and biology and the role of machine learning methods in resolving complex problems in bioinformatics Provides a comprehensive and balanced blend of topics and applications using various advanced algorithms Presents cutting edge research methodologies in the area of AI methods when applied to bioinformatics and innovative solutions Discusses the AI ML techniques their use and their potential for use in common and future bioinformatics applications Includes recent achievements in AI and bioinformatics contributed by a global team of researchers

Surviving the 21st Century Julian Cribb,2016-09-20 The book explores the central question facing humanity today how can we best survive the ten great existential challenges that are now coming together to confront us Besides describing these challenges from the latest scientific perspectives it also outlines and integrates the solutions both at global and individual level and concludes optimistically This book brings together in one easy to read work the principal issues facing humanity It

is written for the two next generations who will have to deal with the compounding risks they inherit and which flow from overpopulation resource pressures and human nature The author examines ten intersecting areas of activity mass extinction resource depletion WMD climate change universal toxicity food crises population and urban expansion pandemic disease dangerous new technologies and self delusion which pose manifest risks to civilization and potentially to our species long term future This isn't a book just about problems It is also about solutions Every chapter concludes with clear conclusions and consensus advice on what needs to be done at global level but it also empowers individuals with what they can do for themselves to make a difference Unlike other books it offers integrated solutions across the areas of greatest risk It explains why Homo sapiens is no longer an appropriate name for our species and what should be done about it

Capitalism and Environmental Collapse Luiz Marques, 2020-08-17 This book intends to be an alert to the fact that the curve measuring environmental costs against the economic benefits of capitalism has irreversibly entered into a negative phase The prospect of an environmental collapse has been evidenced by the sciences and the humanities since the 1960s Today it imposes its urgency This collapse differs from past civilizations in that it is neither local nor just civilizational It is global and occurs at the broadest level of the biosphere accelerated by the convergence of different socio environmental crises such as Earth energy imbalance climate change and global warming Sea level rise Decrease and degradation of forests Collapse of terrestrial and aquatic biodiversity Floods droughts wildfires and extreme weather events Degradation of soils and water resources Increase in pollution caused by fossil fuels and coal Increase in waste production and industrial intoxication The book is divided in two parts In the first part it presents a comprehensive review of scientific data to show the already visible effects of each of the different environmental crises and its consequences to human life on Earth In the second part Luiz Marques critically discusses what he calls the three concentric illusions that prevent us from realizing the gravity of the current socio environmental crises the illusion of a sustainable capitalism the illusion that economic growth is still capable of providing more well being and the anthropocentric illusion Finally Marques argues that fitting back into the biosphere will only be possible if we dismantle the expansive socioeconomic gear that has shaped our societies since the 16th century by moving from a Social Contract to a Natural Contract which takes into account the whole biosphere According to him the future society will be post capitalist or it will not be a complex society and even perhaps we must fear no society at all This book is backed up with the latest and best science and has made the complexities understandable for the average reader all in a context of hope for the future William J Ripple PhD Distinguished Professor of Ecology Director of the Alliance of World Scientists Oregon State University

After Capital Couze Venn, 2018-04-09 The present crisis of capitalism has a history A history of the private accumulation of wealth through property regimes which allow increasing commodification and the privatisation of resources from land to knowledge and even to life itself Understanding that history may allow us to imagine alternatives after Capital which are no longer private but common After Capital explores this history showing how the

economy is linked to environmental damage climate change resource depletion and to massive inequality It takes the reader from liberalism to neoliberalism from climate change to the Anthropocene and shows how this history is inextricably the history of colonialism It is a rich and detailed narrative of capitalism over the last 200 years that explains its texture and its neoliberal endgame This discussion frames speculation on what postcapitalist societies could be with regimes of private accumulation replaced by a politics and ethics of a democratic and ecologically grounded Commons The Reality Frame Brian Clegg,2017-04-06 Weaving together the great ideas of science The Reality Frame takes us on a thrilling journey from empty space all the way to the human mind Acclaimed science writer Brian Clegg builds up reality piece by piece from space to time to matter movement the fundamental forces life and the massive transformation that life itself has wrought on the natural world He reveals that underlying it all is not as we might believe a system of immovable absolutes but the ever shifting amorphous world of relativity From religion to philosophy humanity has traditionally sought out absolutes to explain the world around us but as science has developed relativity has swept away many of these certainties leaving only a handful of unchangeable essentials such as absolute zero nothingness light leading to better science and a new understanding of the essence of being human This is an Ascent of Man for the 21st century the gripping story of modern science that will fill you with wonder and give you a new insight into our place in the universe **Mind Shift** John Parrington,2021-04-22 John Parrington argues that social interaction and culture have deeply shaped the exceptional nature of human consciousness The mental capacities of the human mind far outstrip those of other animals Our imaginations and creativity have produced art music and literature built bridges and cathedrals enabled us to probe distant galaxies and to ponder the meaning of our existence When our minds become disordered they can also take us to the depths of despair What makes the human brain unique and able to generate such a rich mental life In this book John Parrington draws on the latest research on the human brain to show how it differs strikingly from those of other animals in its structure and function at a molecular and cellular level And he argues that this shift enlarging the brain giving it greater flexibility and enabling higher functions such as imagination was driven by tool use but especially by the development of one remarkable tool language The complex social interaction brought by language opened up the possibility of shared conceptual worlds enriched with rhythmic sounds and images that could be drawn on cave walls This transformation enabled modern humans to leap rapidly beyond all other species and generated an exceptional human consciousness a sense of self that arises as a product of our brain biology and the social interactions we experience Our minds even those of identical twins are unique because they are the result of this extraordinarily plastic brain exquisitely shaped and tuned by the social and cultural environment in which we grew up and to which we continue to respond through life Linking early work by the Russian psychologist Lev Vygotsky to the findings of modern neuroscience Parrington explores how language culture and society mediate brain function and what this view of the human mind may bring to our understanding and treatment of mental illness **Christian Foundations for Law and**

Science Gregory J. Glaser, 2023-07-06 In biblical Hebrew there is a word that means both God and nothing Paradoxically what if God himself is simultaneously the All and the Nothing Would this help explain why God is invincible and paradoxical Paradoxes fill reality with opposites routinely manifesting as the same thing at their extremes Like the rugged earth there is danger amidst opportunity here While we study paradoxes to strengthen our connection with God surprisingly in the process we learn about Satan s hypocrisies that crudely mimic paradoxes in our lives The Bible teaches that Satan is a lying imitator and a murderer Why would God desire to teach us about God s own paradoxical creative power by comparison to Satan s destructive power of hypocrisy Much of the Bible is devoted to answering this question by exposing hypocrisies in human culture and character The Messiah particularly exposed the teachers of the law scribes and Pharisees as hypocrites When we get deeply self honest we know God is just because we open our minds to possibilities that everything happens for a reason where even the crucifixion of God s son creates healing ultimately

The Routledge Companion to Biology in Art and Architecture Charissa Terranova, Meredith Tromble, 2016-08-12 The Routledge Companion to Biology in Art and Architecture collects thirty essays from a transdisciplinary array of experts on biology in art and architecture The book presents a diversity of hybrid art and science thinking revealing how science and culture are interwoven The book situates bioart and bioarchitecture within an expanded field of biology in art architecture and design It proposes an emergent field of biocreativity and outlines its historical and theoretical foundations from the perspective of artists architects designers scientists historians and theoreticians Includes over 150 black and white images

Reviewing **New Scientist 2015 31**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**New Scientist 2015 31**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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