{Download PDF} Championing Science

Nicoli Nattrass

The X Club Ruth Barton.2018-11-21 In 1864, amid headline-grabbing heresy trials, members of the British Association for the Advancement of Science were asked to sign a declaration affirming that science and scripture were in agreement. Many criticized the new test of orthodoxy; nine decided that collaborative action was required. The X Club tells their story. These six ambitious professionals and three wealthy amateurs—J. D. Hooker, T. H. Huxley, John Tyndall, John Lubbock, William Spottiswoode, Edward Frankland, George Busk, T. A. Hirst, and Herbert Spencer—wanted to guide the development of science and public opinion on issues where science impinged on daily life, religious belief, and politics. They formed a private dining club, which they named the X Club, to discuss and further their plans. As Ruth Barton shows, they had a clear objective: they wanted to promote “scientific habits of mind,” which they sought to do through lectures, journalism, and science education. They devoted enormous effort to the expansion of science education, with real, but mixed, success. For twenty years, the X Club was the most powerful network in Victorian science—the men succeeded each other in the presidency of the Royal Society for a dozen years. Barton’s group biography traces the roots of their success and the lasting effects of their championing of science against those who attempted to limit or control it, along the way shedding light on the social organization of science, the interactions of science and the state, and the places of science and scientific men in elite culture in the Victorian era.

The Brain That Changes Itself Norman Doidge.2007-03-15 “Fascinating. Doidge’s book is a remarkable and hopeful portrait of the endless adaptability of the human brain.”—Oliver Sacks, MD, author of The Man Who Mistook His Wife for a Hat What is neuroplasticity? Is it possible to change your brain? Norman Doidge’s inspiring guide to the new brain science explains all of this and more An astonishing new science called neuroplasticity is overthrowing the centuries-old notion that the human brain is immutable, and proving that it is, in fact, possible to change your brain. Psychoanalyst, Norman Doidge, M.D., traveled the country to meet both the brilliant scientists championing neuroplasticity, its healing powers, and the people whose lives they’ve transformed—people whose mental limitations, brain damage or brain trauma were seen as unalterable. We see a woman born with half a brain that rewired itself to work as a whole, blind people who learn to see, learning disorders cured, IQs raised, aging brains rejuvenated, stroke patients learning to speak, children with cerebral palsy learning to move with more grace, depression and anxiety disorders successfully treated, and lifelong character traits

changed. Using these marvelous stories to probe mysteries of the body, emotion, love, sex, culture, and education, Dr. Doidge has written an immensely moving, inspiring book that will permanently alter the way we look at our brains, human nature, and human potential.

The Alchemy of Us Ainissa Ramirez.2021-04-06 In the bestselling tradition of Stuff Matters and The Disappearing Spoon: a clever and engaging look at materials, the innovations they made possible, and how these technologies changed us. Finalist for the 41st Los Angeles Times Book Award in Science and Technology and selected as one of the Best Summer Science Books Of 2020 by Science Friday. In The Alchemy of Us, scientist and science writer Ainissa Ramirez examines eight inventions--clocks, steel rails, copper communication cables, photographic film, light bulbs, hard disks, scientific labware, and silicon chips--and reveals how they shaped the human experience. Ramirez tells the stories of the woman who sold time, the inventor who inspired Edison, and the hotheaded undertaker whose invention pointed the way to the computer. She describes, among other things, how our pursuit of precision in timepieces changed how we sleep; how the railroad helped commercialize Christmas; how the necessary brevity of the telegram influenced Hemingway's writing style; and how a young chemist exposed the use of Polaroid's cameras to create passbooks to track Black citizens in apartheid South Africa. These fascinating and inspiring stories offer new perspectives on our relationships with technologies.

Unesco Science Report .2010 Analyses the current state of science around the globe as well the trends that have emerged since the previous report published in 2005.

The Age of Living Machines: How Biology Will Build the Next Technology Revolution Susan Hockfield.2019-05-07 From the former president of MIT, the story of the next technology revolution, and how it will change our lives. A century ago, discoveries in physics came together with engineering to produce an array of astonishing new technologies: radios, telephones, televisions, aircraft, radar, nuclear power, computers, the Internet, and a host of still-evolving digital tools. These technologies so radically reshaped our world that we can no longer conceive of life without them. Today, the world’s population is projected to rise to well over 9.5 billion by 2050, and we are currently faced with the consequences of producing the energy that fuels, heats, and cools us. With temperatures and sea levels rising, and large portions of the globe plagued with drought, famine, and drug-resistant diseases, we need new technologies to tackle these problems. But we are on the cusp of a new convergence, argues world-renowned neuroscientist Susan Hockfield, with discoveries in biology coming together with engineering to produce another array of almost inconceivable technologies—next-generation products that have the potential to be every bit as paradigm shifting as the twentieth century’s digital wonders. The Age of Living Machines describes some of the most exciting new developments and the scientists and engineers who helped create them. Virus-built batteries. Protein-based water filters. Cancer-detecting nanoparticles. Mind-reading bionic limbs. Computer-engineered crops. Together they highlight the promise of the technology revolution of the

twenty-first century to overcome some of the greatest humanitarian, medical, and environmental challenges of our time.

Championing Child Care Sally Solomon Cohen.2001 Based on more than 100 interviews with government officials and extensive archival research, this book looks at the politics behind child care legislation. Identifying key times at which major child care bills were introduced, Cohen examines the politics surrounding these events and subsequent political negotiations. Cohen also looks at the impact President Clinton had on child care policymaking and how child care legislation became part of other issues, including welfare reform and tax policy revisions.

Design and Science R. Roger Remington,Robert S. P. Fripp.2007 It has been said that Will Burtin (1908-1972) was to graphic design what Albert Einstein was to physics. Burtin pioneered important contributions to international typography and visual design. He is best known as the world leader in using design to interpret science; as a proponent of 'clean', uncluttered sans-serif typography; and for his large-scale three-dimensional models, which carried the craft and the art of display to new heights. His walk-through models included a human blood cell (1958) and brain functions (1960). His major achievement, his clarity and ingenuity with models and graphics made complex information easy to assimilate. Early success in his native Germany brought Burtin unwelcome attention from Nazi leaders courting his services. He fled with his Jewish wife to the United States. Within months he won the prestigious contract to create the Federal Works Agency exhibit for the 1939 New York World's Fair. The wartime Office of Strategic Services drafted Burtin to create Air Force gunnery manuals, cutting recruits' training from six months to six weeks. In 1945, with the U.S. still at war, Fortune magazine lobbied to extract Burtin from the army in order to appoint him Art Director. By the late 1950s he was designing the walk-through exhibits for which he is renowned. The first monograph on Burtin, Design and Science illustrates his leadership in five fields: using graphics to visualize science and information (pre-war); corporate identity (from the mid-1940s); multimedia (which he called 'Integration', from 1948); large-scale scientific visualization in 3-D (from 1958, foreshadowing computer-assisted virtual environments, i.e. CAVE-space); and, with others, promoting Helvetica in North America. Illustrations of Burtin's work that have never before been published make this invaluable book essential reading for design professionals and all those interested in design, visualization, imaging and information technology.

The Rights of Women and the Sexual Relations Karl Heinzen.1898

Science and Anti-science Gerald James Holton.1993 What is good science? What goal--if any--is the proper end of scientific activity? Is there a legitimating authority that scientists mayclaim? Howserious athreat are the anti-science movements? These questions have long been debated but, as Gerald Holton points out, every era must offer its own responses. This book examines these questions not in the abstract but shows their historic roots and the answers emerging from the scientific and political controversies of this century. Employing the case-study method and the concept of scientific thematathat he has pioneered, Holton displays the broad scope of his insight into the workings of science: from the influence

of Ernst Mach on twentiethcentury physicists, biologists, psychologists, and other thinkers to the rhetorical strategies used in the work of Albert Einstein, Niels Bohr, and others; from the bickering between Thomas Jefferson and the U.S. Congress over the proper form of federal sponsorship of scientific research to philosophical debates since Oswald Spengier over whether our scientific knowledge will ever be complete. In a masterful final chapter, Holton scrutinizes the anti-science phenomenon, the increasingly common opposition to science as practiced today. He approaches this contentious issue by examining the world views and political ambitions of the proponents of science as well as those of its opponents-the critics of establishment science (including even those who fear that science threatens to overwhelm the individual in the postmodern world) and the adherents of alternative science (Creationists, New Age healers, astrologers). Through it all runs the thread of the author's deep historical knowledge and his humanistic understanding of science in modern culture. Science and Anti-Science will be of great interest not only to scientists and scholars in the field of science studies but also to educators, policymalcers, and all those who wish to gain a fuller understanding of challenges to and doubts about the role of science in our lives today.

Science and Technology in Akwa Ibom State Linus O. Asuquo.2003

Groovy Science David Kaiser,W. Patrick McCray.2016-05-31 Did the Woodstock generation reject science—or re-create it? An “enthralling” study of a unique period in scientific history (New Scientist). Our general image of the youth of the late 1960s and early 1970s is one of hostility to things like missiles and mainframes and plastics—and an enthusiasm for alternative spirituality and getting “back to nature.” But this enlightening collection reveals that the stereotype is overly simplistic. In fact, there were diverse ways in which the era’s countercultures expressed enthusiasm for and involved themselves in science—of a certain type. Boomers and hippies sought a science that was both small-scale and big-picture, as exemplified by the annual workshops on quantum physics at the Esalen Institute in Big Sur, or Timothy Leary’s championing of space exploration as the ultimate “high.” Groovy Science explores the experimentation and eclecticism that marked countercultural science and technology during one of the most colorful periods of American history. “Demonstrate[s] that people and groups strongly ensconced in the counterculture also embraced science, albeit in untraditional and creative ways.”—Science “Each essay is a case history on how the hippies repurposed science and made it cool. For the academic historian, Groovy Science establishes the ‘deep mark on American culture’ made by the countercultural innovators. For the non-historian, the book reads as if it were infected by the hippies’ democratic intent: no jargon, few convoluted sentences, clear arguments and a sense of delight.”—Nature “In the late 1960s and 1970s, the mind-expanding modus operandi of the counterculture spread into the realm of science, and sh-t got wonderfully weird. Neurophysiologist John Lilly tried to talk with dolphins. Physicist Peter Phillips launched a parapsychology lab at Washington University. Princeton physicist Gerard O’Neill became an evangelist for space colonies. Groovy Science is a new book of essays about this heady time.”—Boing Boing

Equivalence Amanda L. Golbeck.2017-04-28 Equivalence: Elizabeth L. Scott at Berkeley is the compelling story of one pioneering statistician’s relentless twenty-year effort to promote the status of women in academe and science. Part biography and part microhistory, the book provides the context and background to understand Scott’s masterfulness at using statistics to help solve societal problems. In addition to being one of the first researchers to work at the interface of astronomy and statistics and an early practitioner of statistics using high-speed computers, Scott worked on an impressively broad range of questions in science, from whether cloud seeding actually works to whether ozone depletion causes skin cancer. Later in her career, Scott became swept up in the academic women’s movement. She used her well-developed scientific research skills together with the advocacy skills she had honed, in such activities as raising funds for Martin Luther King Jr. and keeping Free Speech Movement students out of jail, toward policy making that would improve the condition of the academic workforce for women. The book invites the reader into Scott’s universe, a window of inspiration made possible by the fact that she saved and dated every piece of paper that came across her desk.

The Remarkable Life and Career of Ellen Swallow Richards Pamela C. Swallow.2014-07-10 This biography highlights the achievements of America's first professional degreed female scientist, Ellen Swallow Richards (1842--1911). The book takes the reader from Richards's childhood on a Massachusetts farm where she was schooled at home, to her internationally renowned successes in multiple branches of science. • Schools, colleges, and libraries are searching for more books about remarkable, successful women. Richards paved the way for women to enter numerous fields of science previously believed to be the domain of men. • Currently there is much emphasis on nutrition; Richards pioneered in this field, teaching the American public about fats, carbohydrates, proteins and calories at a time when scarcely anyone knew of their importance. • Ellen Swallow Richards pioneered multiple fields of science and technology, opening doors for women to become chemists, biologists, geologists, ecologists, nutritionists, dietitians, science teachers, professors, and home economists. • Richards began the ecology movement, particularly relevant in today's world as more and more attention is being paid to the health of our planet.

Strategic Communication for Organizations Sara LaBelle,Jennifer H. Waldeck.2020-02-11 Strategic Communication for Organizations elucidates the emerging research on strategic communication, particularly as it operates in a variety of organizational settings. This book, appropriate for both students and practitioners, emphasizes how theory and research from the field of communication studies can be used to support and advance organizations of all types across a variety of business sectors. Grounded in scholarship and organizational cases, this textbook: focuses on message design provides introductory yet comprehensive coverage of how strategy and message design enable effective organizational and corporate communication explores how theory and research can be synthesized to inform modern communication-based campaigns Strategic Communication for Organizations will help readers discuss how to develop, implement, and evaluate messages that

are consistent with an organization’s needs, mission, and vision, effectively reaching and influencing internal and external audiences.

Hippocrates' Shadow David H. Newman.2008-09-09 Everyone knows of the Hippocratic Oath, the famous invocation sworn by all neophyte physicians. But most don't realize that the father of modern medicine was an avid listener and a constant bedside presence. Hippocrates believed in the doctor-patient connection and gained worldwide renown for championing science over mysticism while respecting and advocating the potency of human healing. Today, argues Dr. David H. Newman, medicine focuses narrowly on the rewards of technology and science, exaggerating their benefits and ignoring or minimizing their perils. Dr. Newman sees a disconnect between doctor and patient, a disregard for the healing power of the bond, and, ultimately, a disconnect between doctors and their Oath. The root of this divergence, writes Dr. Newman, lies in the patterns of secrecy and habit that characterize the House of Medicine, modern medicine's entrenched and carefully protected subculture. In reflexive, often unconscious defense of this subculture, doctors and patients guard medical authority, cling to tradition, and yield to demands that they do something or prescribe something. The result is a biomedical culture that routinely engages in unnecessary and inefficient practices, and leaves both patient and doctor dissatisfied. While demonstrating an abiding respect for, and a deep understanding of, the import of modern science, Dr. Newman reviews research that refutes common and accepted medical wisdom. He cites studies that show how mammograms may cause more harm than good; why antibiotics for sore throats are virtually always unnecessary and therefore dangerous; how cough syrup is rarely more effective than a sugar pill; the power and paradox of the placebo effect; how statistics and studies themselves are frequently deceptive; and why CPR is violent, invasive -- and almost always futile. Through an engaging, deeply researched, and eloquent narrative laced with rich and riveting case studies, Newman cuts to the heart of what really works -- and doesn't -- in medicine and rebuilds the bridge between physicians and their patients.

Groovy Science David Kaiser,W. Patrick McCray.2016-05-31 Groovy Science paints a decidedly different picture of the sixties counterculture by uncovering an unabashed embrace of certain kinds of science and technology. While many rejected science and technology that struck them as hulking, depersonalized, or militarized, theirs was a rejection of Cold War-era missiles and mainframes, not science and technology per se. We see in these pages the long-running annual workshops on quantum physics at the Esalen Institute in Big Sur, California; aerospace engineers turning their knowledge of high-tech materials to the short board revolution in surfing; Timothy Leary s championing of space colonization as the ultimate high; and midwives redirecting their medical knowledge to launch a home-birth movement. Groovy Science gathers intriguing examples like these from across the physical, biological, and social sciences and charts commonalities across these many domains, highlighting shared trends and themes during one of the most colorful periods of recent American history. The result reveals a much more diverse picture of how Americans sought and found alternative forms of science that resonated

with their social and political goals.

The Scientific Method Henry M. Cowles.2020 The scientific method is just over a hundred years old. From debates about the evolution of the human mind to the rise of instrumental reasoning, Henry M. Cowles shows how the idea of a single scientific method emerged from a turn inward by psychologists that produced powerful epistemological and historical effects that are still with us today.

Championing Science Roger D. Aines,Amy L. Aines.2019-01-22 Championing Science shows scientists how to persuasively communicate complex scientific ideas to decision makers in government, industry, and education. This comprehensive guide provides real-world strategies to help scientists develop the essential communication, influence, and relationship-building skills needed to motivate nonexperts to understand and support their science. Instruction, interviews, and examples demonstrate how inspiring decision makers to act requires scientists to extract the essence of their work, craft clear messages, simplify visuals, bridge paradigm gaps, and tell compelling narratives. The authors bring these principles to life in the accounts of science champions such as Robert Millikan, Vannevar Bush, scientists at Caltech and MIT, and others. With Championing Science, scientists will learn how to use these vital skills to make an impact.

Getting to the Heart of Science Communication Faith Kearns.2021-05-11 Scientists today working on controversial issues from climate change to drought to COVID-19 are finding themselves more often in the middle of deeply traumatizing or polarized conflicts they feel unprepared to referee. It is no longer enough for scientists to communicate a scientific topic clearly. They must now be experts not only in their fields of study, but also in navigating the thoughts, feelings, and opinions of members of the public they engage with, and with each other. And the conversations are growing more fraught. In Getting to the Heart of Science Communication, Faith Kearns has penned a succinct guide for navigating the human relationships critical to the success of practice-based science. This meticulously researched volume takes science communication to the next level, helping scientists to see the value of listening as well as talking, understanding power dynamics in relationships, and addressing the roles of trauma, loss, grief, and healing.

Connection Randy Olson,Dorie Barton,Brian Palermo.2013 The power and importance of storytelling is now widely accepted, but this book goes further to focus on storymaking. CONNECTION brings together a former scientist, a story consultant, and an improv actor to give you the critical thinking of science combined with a century of Hollywood knowledge in the creation and shaping of stories. The material is relevant to lawyers, politicians, public health workers, educators, activists-- everyone. In today's Twitterfied world, CONNECTION provides the narrative tools for effective communication.

Nourishing millions: Stories of change in nutrition: Synopsis Yosef, Sivan,Pandya-Lorch, Rajul.2016-06-29 In recent years, the world has seen unprecedented attention and political commitment to addressing malnutrition. Milestones such as the Scaling Up Nutrition (SUN) Movement, the Lancet Maternal and Child Nutrition Series, and the Second International

Conference on Nutrition (ICN2) have marked the rapid rise of nutrition on the global policy and research agenda. These developments reverse years of relative neglect for nutrition. Undernutrition is a global challenge with huge social and economic costs. It kills millions of young children annually, stunts growth, erodes child development, reduces the amount of schooling children attain, and increases the likelihood of their being poor as adults, if they survive. Stunting persists through a lifetime and beyond—underweight mothers are more likely to give birth to underweight children, perpetuating undernutrition across generations. Undernutrition reduces global gross domestic product by US$1.4–$2.1 trillion a year—the size of the total economy of Africa south of the Sahara.

A Treatise on the Diseases Incident to the Horse Alexander Dunbar.1871

Bioeconomies Vincenzo Pavone,Joanna Goven.2017-09-18 This book explores the promissory discourses and practices associated with the bioeconomy, focusing especially on the transformation of institutions; the creation, appropriation, and distribution of value; the struggle over resources, power, and meaning; and the role of altruism, kinship, and care practices. Governments and science enthusiasts worldwide are embracing the bioeconomy, championing it as the key to health, wealth, and sustainability, while citing it as justification to transform research and regulatory institutions, health and agricultural practices, ethics of privacy and ownership, and conceptions of self and kin. Drawing together studies from Asia, Australia, the Americas, and Europe, this volume encompasses subjects as diverse as regenerative medicine, population health research, agricultural finance, biobanking, assisted reproduction, immigration, breastfeeding, self-help groups, GM fish, and mining sewage.

Science & Government Report .1986

The AIDS Conspiracy Nicoli Nattrass.2012 Examines conspiracy theories surrounding HIV and AIDS, focusing on two main widely believed falsehoods--that America manufactured AIDS to be a biological weapon and the belief that HIV is harmless and the true cause of AIDS are antiretroviral drugs.

Boyle Michael Hunter.2010 Robert Boyle ranks with Newton and Einstein as one of the world's most important scientists. This biography of Boyle navigates Boyle's voluminous published works as well as his personal letters and papers.

Quantum Dialogue Mara Beller.1999 Science is rooted in conversations, wrote Werner Heisenberg, one of the twentieth century's great physicists. In Quantum Dialogue, Mara Beller shows that science is rooted not just in conversation but in disagreement, doubt, and uncertainty. She argues that it is precisely this culture of dialogue and controversy within the scientific community that fuels creativity. Beller draws her argument from her radical new reading of the history of the quantum revolution, especially the development of the Copenhagen interpretation. One of several competing approaches, this version succeeded largely due to the rhetorical skills of Niels Bohr and his colleagues. Using extensive archival research, Beller shows how Bohr and others marketed their views, misrepresenting and dismissing their opponents as unreasonable

and championing their own not always coherent or well-supported position as inevitable. Quantum Dialogue, winner of the 1999 Morris D. Forkosch Prize of the Journal of the History of Ideas, will fascinate everyone interested in how stories of scientific revolutions are constructed and scientific consensus achieved. [A]n intellectually stimulating piece of work, energised by a distinct point of view.—Dipankar Home, Times Higher Education Supplement [R]emarkable and original. . . . [Beller's] arguments are thoroughly supported and her conclusions are meticulously argued. . . . This is an important book that all who are interested in the emergence of quantum mechanics will want to read.—William Evenson, History of Physics Newsletter

American Philosophical Quarterly Nicholas Rescher.1990

A Glorious Enterprise Robert McCracken Peck,Patricia Tyson Stroud.2012 A history of the renowned museum recounts key moments in its evolution as a research and education center, as well as the role of such individuals as Thomas Jefferson and John James Audubon in championing its purpose.

Championing Women Leaders Shaheena Janjuha-Jivraj,Kitty Chisholm.2016-02-03 Championship is the key differentiator between women who achieve leadership roles and those who don't. This book examines the reasons why championing works and why it is so important for female executive development in particular, and provides a user-friendly guide to develop workplace champions for female leaders in any organization

Championing Technology Infusion in Teacher Preparation Arlene C. Borthwick,Teresa S. Foulger,Kevin J. Graziano.2022-08-17 Educators learning how to meaningfully integrate technology into their teaching practice will find resources and action plans to prepare them for today’s tech-infused lessons. Advancing teacher preparation to full adoption of technology infusion is no small undertaking. Written by 20 experts in the teacher prep field, Championing Technology Infusion in Teacher Preparation provides research- and practice-based direction for faculty, administrators, PK-12 school partners and other stakeholders who support programwide technology infusion in teacher education programs. Such organizational change involves almost every individual and system involved in teacher preparation. Topics addressed include: • Defining technology infusion and integration. • Systemic planning and readiness of college-level leadership. • Programwide, iterative candidate experiences across courses and clinical work. • Technology use and expectations for teachers and students in PK-12 settings. • Instructional design in teacher preparation programs to include integration of technology in face-to-face, blended and online PK-12 teaching and learning. • Strategies to support induction of new teachers in PK-12 settings. • Technology use, expectations, and professional development for teacher educators • Models for effective candidate and program evaluation. • Roles for government agencies and non-governmental organizations (NGOs) in nationwide collaboration for technology infusion in teacher preparation. This book will help administrators in colleges and schools of education as well as teacher educators in preparation programs support the developmental needs of teacher

candidates as they learn how to teach with technology. With action steps and getting started resources in each chapter, the book is well-adapted for small group study and planning by collaborative leadership teams in colleges and schools of education. The book is also appropriate for the study of effective organizational change in education by graduate students.

Science, Technology, Innovation, and Society .2006

The Varieties of Scientific Experience Carl Sagan.2006-11-02 “Ann Druyan has unearthed a treasure. It is a treasure of reason, compassion, and scientific awe. It should be the next book you read.” —Sam Harris, author of The End of Faith “A stunningly valuable legacy left to all of us by a great human being. I miss him so.” —Kurt Vonnegut Carl Sagan's prophetic vision of the tragic resurgence of fundamentalism and the hope-filled potential of the next great development in human spirituality The late great astronomer and astrophysicist describes his personal search to understand the nature of the sacred in the vastness of the cosmos. Exhibiting a breadth of intellect nothing short of astounding, Sagan presents his views on a wide range of topics, including the likelihood of intelligent life on other planets, creationism and so-called intelligent design, and a new concept of science as informed worship. Originally presented at the centennial celebration of the famous Gifford Lectures in Scotland in 1985 but never published, this book offers a unique encounter with one of the most remarkable minds of the twentieth century.

Unsettled Steven E. Koonin.2021-04-27 Unsettled is a remarkable book—probably the best book on climate change for the intelligent layperson—that achieves the feat of conveying complex information clearly and in depth. —Claremont Review of Books Surging sea levels are inundating the coasts. Hurricanes and tornadoes are becoming fiercer and more frequent. Climate change will be an economic disaster. You've heard all this presented as fact. But according to science, all of these statements are profoundly misleading. When it comes to climate change, the media, politicians, and other prominent voices have declared that the science is settled. In reality, the long game of telephone from research to reports to the popular media is corrupted by misunderstanding and misinformation. Core questions—about the way the climate is responding to our influence, and what the impacts will be—remain largely unanswered. The climate is changing, but the why and how aren't as clear as you've probably been led to believe. Now, one of America's most distinguished scientists is clearing away the fog to explain what science really says (and doesn't say) about our changing climate. In Unsettled: What Climate Science Tells Us, What It Doesn't, and Why It Matters, Steven Koonin draws upon his decades of experience—including as a top science advisor to the Obama administration—to provide up-to-date insights and expert perspective free from political agendas. Fascinating, clear-headed, and full of surprises, this book gives readers the tools to both understand the climate issue and be savvier consumers of science media in general. Koonin takes readers behind the headlines to the more nuanced science itself, showing us where it comes from and guiding us through the implications of the evidence. He dispels popular myths and unveils little-known truths: despite a dramatic rise in greenhouse gas emissions, global temperatures actually decreased from

1940 to 1970. What's more, the models we use to predict the future aren't able to accurately describe the climate of the past, suggesting they are deeply flawed. Koonin also tackles society's response to a changing climate, using data-driven analysis to explain why many proposed solutions would be ineffective, and discussing how alternatives like adaptation and, if necessary, geoengineering will ensure humanity continues to prosper. Unsettled is a reality check buoyed by hope, offering the truth about climate science that you aren't getting elsewhere—what we know, what we don't, and what it all means for our future.

The Return of Vaman - A Scientific Novel Jayant V. Narlikar.2015-05-12 This collection of science fiction writings by Jayant V. Narlikar offers readers a unique glimpse into the world-famous Indian astrophysicist’s vivid and highly imaginative concepts and stories. The fictional material comprises a witty short story (The rare idol of Ganesha) that cleverly explores the possible consequences of a mirror-symmetric individual in the context of cricket test match performances, as well as the fast-paced, gripping science fiction thriller The return of Vaman: when an alien container is unearthed by a crew of scientists, the enormous potential technological applications of its contents bring various criminal elements on the scene – but when the real danger becomes apparent it is almost too late to save humanity. Last but not least, the book provides readers with extensive insights into the genesis and scientific background of the fictional material presented in this volume, along with an autobiographical account of the author’s life-long interest in science fiction and his contributions to the genre. About the author: Jayant V. Narlikar is internationally known for his work in cosmology, in particular for championing models alternative to the standard big-bang theory. He was president of the cosmology commission of the International Astronomical Union from 1994 to 1997. He has received several national and international awards and honorary doctorates - he is a Bhatnagar awardee, as well as recipient of the M.P. Birla award, the Prix Janssen of the French Astronomical Society and an Associate of the Royal Astronomical Society of London. He is Fellow of the three Indian national science academies as well as of the Third World Academy of Sciences. Well beyond his scientific research, Prof. Narlikar is widely known as a science communicator through his books, articles and radio/TV programs and he was honored by the UNESCO in 1996 with the Kalinga Award. He made his debut in science fiction writing in 1974, by winning the top prize in the story writing competition organized by the Marathi Vidnyan Parishad, a non-governmental organization engaged in science popularization.

Stalin and the Scientists Simon Ings.2017-02-21 “One of the finest, most gripping surveys of the history of Russian science in the twentieth century.” —Douglas Smith, author of Former People: The Final Days of the Russian Aristocracy Stalin and the Scientists tells the story of the many gifted scientists who worked in Russia from the years leading up to the revolution through the death of the “Great Scientist” himself, Joseph Stalin. It weaves together the stories of scientists, politicians, and ideologues into an intimate and sometimes horrifying portrait of a state determined to remake the world. They often wreaked great harm. Stalin was himself an amateur botanist, and by falling under the sway of dangerous charlatans like Trofim Lysenko (who denied the existence of genes), and by relying on antiquated ideas of biology, he not only

destroyed the lives of hundreds of brilliant scientists, he caused the death of millions through famine. But from atomic physics to management theory, and from radiation biology to neuroscience and psychology, these Soviet experts also made breakthroughs that forever changed agriculture, education, and medicine. A masterful book that deepens our understanding of Russian history, Stalin and the Scientists is a great achievement of research and storytelling, and a gripping look at what happens when science falls prey to politics. Longlisted for the Baillie Gifford Prize for Non-Fiction in 2016 A New York Times Book Review "Paperback Row" selection "Ings's research is impressive and his exposition of the science is lucid . . . Filled with priceless nuggets and a cast of frauds, crackpots and tyrants, this is a lively and interesting book, and utterly relevant today." —The New York Times Book Review "A must read for understanding how the ideas of scientific knowledge and technology were distorted and subverted for decades across the Soviet Union." —The Washington Post

Good Science, Bad Science, Pseudoscience, and Just Plain Bunk Peter Daempfle.2013 We are constantly bombarded with breaking scientific news in the media, but we are almost never provided with enough information to assess the truth of these claims. This book teaches readers how to think like a scientist to question claims like these more critically.

Australasian Science .2000

Current Literature on Science of Science .1995

Science and the Media Peter Joseph Farago.1976

Immerse yourself in heartwarming tales of love and emotion with Crafted by is touching creation, **Championing Science** . This emotionally charged ebook, available for download in a PDF format (Download in PDF: *), is a celebration of love in all its forms. Download now and let the warmth of these stories envelop your heart.

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