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Curiosity And Passion For Science And Art Jan 24 2023 This book describes the accomplishments of a curious and imaginative scientist, and his endeavours to translate or even to extrapolate scientific insights into the world of art. The science section in this volume concerns studies on S-layers, a very important class of proteins found on the surface of numerous Bacteria and nearly all Archaea. S-layer proteins are one of the most abundant biopolymers on our planet, and assemble into the simplest type of biological membrane. Moreover, they are unique building blocks and patterning elements for the production of complex supramolecular structures and nanoscale devices in nanobiotechnology, molecular nanotechnology, synthetic biology, biomimetics and nanomedicine. In the second part of this book the author goes on to passionately describe how his scientific activities stimulated his art work, which in particular concerns the visualization of results and the potential of synthetic biology and evolutionary events induced by genetic manipulations. Most importantly, the engagement in art allowed him to leave the rather curtailed canon of science and reach a mental state of unlimited freedom of thoughts. Mask-like sculptures are used as examples to visualize the intersection between science and art, and in particular the unpredictability and mystery of scientific visions.

The Passion Principle May 24 2020 The Passion Principle shows you how to actively engage in an ongoing process of discovering, living, and sustaining your passions, and how to spread joy and passion in your own sphere of life.

The Effective Scientist Jan 20 2020 What is an effective scientist? One who is successful by quantifiable standards, with many publications, citations, and students supervised? Yes, but there is much more. Truly effective scientists need to have influence beyond academia, usefully applying and marketing their research to non-scientists. This book therefore takes an all-encompassing approach to improving the scientist's career. It begins by focusing on writing and publishing - a scientist's most important weapon in the academic arsenal. Part two covers the numerical and financial aspects of being an effective scientist, and Part three focuses on running a lab effectively. The book concludes by discussing the more entertaining and philosophical aspects of being an effective scientist. Little of this material is taught in university, but developing these skills is vital to maximize the chance of being effective. Written by a scientist for scientists, this practical and entertaining book is a must-read for every early career-scientist, regardless of specialty.

A Passion for Plants Feb 19 2020 From the content: apothecaries as botanists in the early modern period, science in pharmacy, botanical activities of pharmacists in the 18th century, Georg Joseph Kamel - botanist and apothecary in the Philippines, Jacob Ligtdvoegt - gardener in Leiden, didactics in a botanic garden, Juan de Cárdenas and his book of secrets, materia medica and the Ashmolean Museum, the Gart der Gesundheit - origin and influences.

The Trouble with Passion Jun 05 2021 Probing the ominous side of career advice to "follow your passion," this data-driven study explains how the passion principle fails us and perpetuates inequality by class, gender, and race; and it suggests how we can reconfigure our relationships to paid work. "Follow your passion" is a popular mantra for career decision-making in the United States. Passion-seeking seems like a promising path for avoiding the potential drudgery of a life of paid work, but this "passion principle"—seductive as it is—does not universally translate. *The Trouble with Passion* reveals the significant downside of the passion principle: the concept helps culturally legitimize and reproduce an exploited, overworked white-collar labor force and broadly serves to reinforce class, race, and gender segregation and inequality. Grounding her investigation in the paradoxical tensions between capitalism's demand for ideal workers and our cultural expectations for self-expression, sociologist Erin A. Cech draws on interviews that follow students from college into the workforce, surveys of US workers, and experimental data to explain why the passion principle is such an attractive, if deceptive, career decision-making mantra, particularly for the college educated. Passion-seeking presumes middle-class safety nets and springboards and penalizes first-generation and working-class young adults who seek passion without them. The ripple effects of this mantra undermine the promise of college as a tool for social and economic mobility. The passion principle also feeds into a culture of overwork, encouraging white-collar workers to tolerate precarious employment and gladly sacrifice time, money, and leisure for work they are passionate about. And potential employers covet, but won't compensate, passion among job applicants. This book asks, What does it take to center passion in career decisions? Who gets ahead and who gets left behind by passion-seeking? *The Trouble with Passion* calls for citizens, educators, college administrators, and industry leaders to reconsider how we think about good jobs and, by extension, good lives.

Curiosity and Passion for Science and Art Feb 13 2022 "This book describes the accomplishments of a curious and imaginative scientist, and his endeavours to translate or even to extrapolate scientific insights into the world of art. The science section in this volume concerns studies on S-layers, a very important class of proteins found on the surface of numerous Bacteria and nearly all Archaea. S-layer proteins are one of the most abundant biopolymers on our planet, and assemble into the simplest type of biological membrane. Moreover, they are unique building blocks and patterning elements for the production of complex supramolecular structures and nanoscale devices in nanobiotechnology, molecular nanotechnology, synthetic biology, biomimetics and nanomedicine. In the second part of this book the author goes on to passionately describe how his scientific activities stimulated his art work, which in particular concerns the visualization of results and the potential of synthetic biology and evolutionary events induced by genetic manipulations. Most importantly, the engagement in art allowed him to leave the rather curtailed canon of science and reach a mental state of unlimited freedom of thoughts. Mask-like sculptures are used as examples to visualize the intersection between science and art, and in particular the unpredictability and mystery of scientific visions."--Provided by publisher.

Beyond Reductionism Jul 26 2020 This is a book about the work of scientists in the era of the Anthropocene: where human beings appear to have become a driving force in the evolution of the planet. It is a diverse collection of empirical, methodological and theoretical chapters concerned with the practice of interdisciplinary social-ecological systems research. The aim of the contributors is to give the reader an appreciation for the range and complexity of the challenges faced by researchers, research institutions and wider communities trying to make sense of the causes and consequences of

the this new era of global environmental change. The tragedy of the Anthropocene, of the large scale anthropogenic habitat destruction and planet-wide impacts of anthropogenic climate change, is not that science has failed humanity but rather that it has served humanity all too well, making possible in just a few hundred years volumes and scales of human activity far exceeding anything ever seen before. Coming to terms with that success was the aim of the 1969 Alpbach Symposium, from which this book draws its name, where contributors including Friedrich Hayek and Ludwig von Bertalanffy, asked themselves: what theory, practices and standards are required to move beyond reductionism? Like those from 1969, the answers presented in this collection are hugely diverse, ranging from PhD students concerned with research methods and institutional obstacles, to mid-career scholars presenting their innovative 'beyond-reductionism' research methods, to emeritus professors looking back over what has been achieved in the past 30 years and suggesting where things might go from here. All the contributors begin from the premise that the challenges of the Anthropocene can only be successfully met if interdisciplinary research effectively brings together social and natural sciences, the humanities, stakeholders and decision makers. They conclude, in unison, that both the institutional and the methodological foundations needed to do this work are still sorely lacking. While this may seem a dismal position, the book is full of success stories, such as: the integrative approach of MuSIASEM (Multi-Scale Integrative Assessment of Social-Ecological Metabolism) developed by Mario Giampietro's group in Barcelona, Spain; the alternative perspectives of what Ariel Salleh calls the 'meta-industrial' discourse in Ecofeminism; or the innovative trans-departmental status of the Stockholm Resilience Centre in Sweden. Putting both the theoretical and methodological challenges of moving beyond reductionism on the table for discussion, this text aims to help a growing community of passionate thinkers and actors better understand themselves and their work.

The Player's Passion Apr 15 2022 This reinterpretation of acting theories in light of the history of science examines acting styles from the seventeenth century to the twentieth century and measures them against prevailing conceptions of the human body and its inner workings.

A Passion To Believe Dec 19 2019

Science in the Soul Mar 02 2021 A "defense of science and clear thinking [in a] career-spanning collection of essays, including twenty pieces published in the United States for the first time"--Amazon.com.

Einstein Jun 17 2022 ...a well-constructed biography that shows us how the great scientist's various passions—for music, learning, peace, women—existed side by side with, and occasionally affected, his work. ...Parker does a superb job of explaining Einstein's groundbreaking early scientific papers...readers looking for a good introduction to the 20th century's leading physicist will enjoy this. -Publishers Weekly At last we can learn about Albert the man, rather than Einstein the myth. - Sheldon Lee Glashow, Nobel laureate, Boston University Enjoyable! There are lots of books about Einstein's relativity but this is a book about Einstein's humanity. He was a quietly passionate man - passionate about the physical universe, passionate about his loves and friendships and passionate about world peace and harmony. In this book well-known physicist and writer Barry Parker does a splendid job of presenting well-known physicist and humanitarian, Albert Einstein. - Dr. Paul Hodge, Professor of Astronomy, University of Washington Einstein continues to captivate, not only for his revolutionary scientific insights but also for his complex personality and personal pursuits. In this unique contribution to the Einstein literature, physicist and acclaimed science writer Barry Parker draws on the great scientist's letters and personal papers to explore the intellectual and emotional passions that motivated both his work and his life. Parker focuses on five aspects of Einstein's emotional nature that had a profound influence on his life and career. First and foremost was his lifelong passion for learning, not only in the fields of physics but also in mathematics and philosophy. This was manifested early on when he excelled at algebra, and later when he became absorbed with philosophy. Of course in his thinking about time and the nature of light, it was this passion to understand that led to his monumental papers on

relativity. Einstein's second great love was classical music, especially the music of Mozart. Parker shows that listening to and playing music (he was an accomplished violinist) were not only recreations for Einstein but also provided stimulation for his scientific creativity. His relationships with women also greatly influenced him. Parker examines his two marriages, his liaisons with other women, and his distant relationship with his two sons from his first marriage. Another lifelong passion was his strong antiwar feelings and advocacy for peace. Einstein considered world government the only means to achieve worldwide peace. A chapter is devoted to his efforts to promote the idea of world government. Finally, Parker considers Einstein's obsession with finding a unified theory of physics to explain all the forces of the universe, and his reluctance to accept the indeterminacy of quantum theory. In the opinion of some colleagues, this was a tragedy, for Einstein isolated himself from the rest of the scientific community during the latter part of his life to pursue a lone quest that remained unfulfilled at his death. This is an original, insightful look at one of the greatest geniuses of all time who did so much to shape our vision of the world. Barry Parker, Ph.D. (Boise, ID), a professor of physics at Idaho State University from 1967 to 1997, is an award-winning science writer and the author of thirteen highly acclaimed books in popular science, including *Search for a Supertheory*, *Alien Life: The Search for Extraterrestrials* and *Beyond*, *Einstein: The Passions of a Scientist*, *Albert Einstein's Vision* and *Quantum Legacy: The Discovery That Changed Our Universe*.

Drive and Curiosity Apr 27 2023 What motivates those few scientists who rise above their peers to achieve breakthrough discoveries? This book examines the careers of fifteen eminent scientists who achieved some of the most notable discoveries of the past century, providing an insider's perspective on the history of twentieth century science based on these engaging personality profiles. They include: • Dan Shechtman, the 2011 Nobel laureate and discoverer of quasicrystals; • James D. Watson, the Nobel laureate and codiscoverer of the double helix structure of DNA; • Linus Pauling, the Nobel laureate remembered most for his work on the structure of proteins; • Edward Teller, a giant of the 20th century who accomplished breakthroughs in understanding of nuclear fusion; • George Gamow, a pioneering scientist who devised the initially ridiculed and now accepted Big Bang. In each case, the author has uncovered a singular personality characteristic, motivational factor, or circumstance that, in addition to their extraordinary drive and curiosity, led these scientists to make outstanding contributions. For example, Gertrude B. Elion, who discovered drugs that saved millions of lives, was motivated to find new medications after the deaths of her grandfather and later her fiancé. F. Sherwood Rowland, who stumbled upon the environmental harm caused by chlorofluorocarbons, eventually felt a moral imperative to become an environmental activist. Rosalyn Yalow, the codiscoverer of the radioimmunoassay always felt she had to prove herself in the face of prejudice against her as a woman. These and many more fascinating revelations make this a must-read for everyone who wants to know what traits and circumstances contribute to a person's becoming the scientist who makes the big breakthrough.

The Story of Science Oct 29 2020

Dating the Passion Apr 22 2020 Drawing on computistical and astronomical sources from late antiquity to the Renaissance, this book demonstrates how pre-modern Christian attempts to determine the principal dates of the life of Jesus played an essential role in the development of historical chronology.

A Passion for Science Mar 26 2023 A collection of conversations in which scientists from all fields give non-technical accounts of their lives in the profession, showing how incidents and human characteristics have influenced discoveries.

A Passion for Discovery Feb 01 2021 This fascinating book assembles human stories about physicists and mathematicians. Remarkably, these stories cluster around some general themes having to do with the interaction between scientists, and with the impact of historic events ? such as the advent of

fascism and communism in the twentieth century ? on scientists' behavior. Briefly, but lucidly, some of the beautiful science that brought these scientists together in the first place is explained. Author's webpage: <http://freund9.googlepages.com/peterfreundwritings>

Grit Nov 29 2020 In this instant New York Times bestseller, Angela Duckworth shows anyone striving to succeed that the secret to outstanding achievement is not talent, but a special blend of passion and persistence she calls “grit.” “Inspiration for non-genius everywhere” (People). The daughter of a scientist who frequently noted her lack of “genius,” Angela Duckworth is now a celebrated researcher and professor. It was her early eye-opening stints in teaching, business consulting, and neuroscience that led to her hypothesis about what really drives success: not genius, but a unique combination of passion and long-term perseverance. In *Grit*, she takes us into the field to visit cadets struggling through their first days at West Point, teachers working in some of the toughest schools, and young finalists in the National Spelling Bee. She also mines fascinating insights from history and shows what can be gleaned from modern experiments in peak performance. Finally, she shares what she’s learned from interviewing dozens of high achievers—from JP Morgan CEO Jamie Dimon to New Yorker cartoon editor Bob Mankoff to Seattle Seahawks Coach Pete Carroll. “Duckworth’s ideas about the cultivation of tenacity have clearly changed some lives for the better” (The New York Times Book Review). Among *Grit*’s most valuable insights: any effort you make ultimately counts twice toward your goal; grit can be learned, regardless of IQ or circumstances; when it comes to child-rearing, neither a warm embrace nor high standards will work by themselves; how to trigger lifelong interest; the magic of the Hard Thing Rule; and so much more. Winningly personal, insightful, and even life-changing, *Grit* is a book about what goes through your head when you fall down, and how that—not talent or luck—makes all the difference. This is “a fascinating tour of the psychological research on success” (The Wall Street Journal).

The Overproduction of Truth Mar 14 2022 The way science is done has changed radically in recent years. Scientific research and institutions, which have long been characterized by passion, dedication and reliability, have increasingly less capacity for more ethical pursuits, and are pressed by hard market laws. From the vocation of a few, science has become the profession of many — possibly too many. These trends come with consequences and risks, such as the rise in fraud, plagiarism, and in particular the sheer volume of scientific publications, often of little relevance. The solution? A slow approach with more emphasis on quality rather than quantity that will help us to rediscover the essential role of the responsible scientist. This work is a critical review and assessment of present-day policies and behavior in scientific production and publication. It touches on the tumultuous growth of scientific journals, in parallel with the growth of self-declared scientists over the world. The author's own reflections and experiences help us to understand the mechanisms of contemporary science. Along with personal reminiscences of times past, the author investigates the loopholes and hoaxes of pretend journals and nonexistent congresses, so common today in the scientific arena. The book also discusses the problems of bibliometric indices, which have resulted in large part from the above distortions of scientific life.

A Passion for Science Aug 19 2022 Fourteen scientists tell how they became interested in their field, describe the principles of research, and explain why science is so rewarding

Drive and Curiosity Feb 25 2023 No Marketing Blurb

Passion in Science and Rock Music Apr 03 2021

Passion to Know: the World's Scientists Nov 10 2021

Opening Doors: Joan Steitz and Jennifer Doudna of the RNA World Aug 27 2020 A dual biography of Joan Steitz and Jennifer Doudna, two women who combined successful home lives with successful careers in science.

The Story of Science Jul 18 2022

A Passion for Elephants Sep 08 2021 A science and nature biography of Cynthia Moss, the elephant expert, by the author of Caldecott Honor book *One Cool Friend* Cynthia Moss was never afraid of BIG things. As a kid, she loved to ride through the countryside on her tall horse. She loved to visit faraway places. And she especially loved to learn about nature and the world around her. So when Cynthia traveled to Africa and met the world's most ENORMOUS land animal, the African elephant, at Amboseli National Park in Kenya, she knew she had found her life's work. Cynthia has spent years learning everything she can about elephants and sharing these fascinating creatures with the world. She is a scientist, nature photographer, and animal-rights activist, fighting against the ivory poachers who kill so many elephants for their tusks. This lyrical and accessible picture book gives kids a glimpse of what scientists do in the real world and inspires them to dream of accomplishing BIG things.

The Accidental Universe Dec 31 2020 In *The Accidental Universe*, physicist and novelist Alan Lightman explores the emotional and philosophical questions raised by discoveries in science, focusing most intently on the human condition and the needs of humankind. Here, in a collection of exhilarating essays, Lightman shows us our own universe from a series of fascinating and diverse perspectives. He takes on the difficult dialogue between science and religion; the conflict between our human desire for permanence and the impermanence of nature; the possibility that our universe is simply an accident; the manner in which modern technology has divorced us from enjoying a direct experience of the world; and our resistance to the view that our bodies and minds can be explained by scientific logic and laws alone. With his customary passion, precision, lyricism and imagination, in *The Accidental Universe* Alan Lightman leaves us with the suggestion - heady and humbling - that what we see and understand of the world and ourselves is only a tiny piece of the extraordinary, perhaps unfathomable whole. Praise for Alan Lightman: '...a gem of a novel that is strange witty erudite and alive with Lightman's playful genius.' Junot Diaz. 'It would not seem possible for Alan Lightman to match his earlier tour de force, *Einstein's Dreams*, but in *Mr g* he has done so - with wit, imagination, and transcendent beauty.' Anita Desai.

Computer Science Oct 09 2021 *Computer Science: Reflections on the Field, Reflections from the Field* provides a concise characterization of key ideas that lie at the core of computer science (CS) research. The book offers a description of CS research recognizing the richness and diversity of the field. It brings together two dozen essays on diverse aspects of CS research, their motivation and results. By describing in accessible form computer science's intellectual character, and by conveying a sense of its vibrancy through a set of examples, the book aims to prepare readers for what the future might hold and help to inspire CS researchers in its creation.

Passionate Minds Sep 20 2022 The popular stereotype of the scientist as mad boffin or weedy nerd has been peddled widely in film and fiction, with the implication that the world of science is far removed from the intellectual and emotional messiness of other human activities. In *Passionate Minds*, distinguished scientist Lewis Wolpert investigates the style and motivation of some of the most eminent scientists in the world. In this stimulating collection of conversations, scientists in fields as diverse as particle physics and evolutionary biology explore how their backgrounds have shaped their careers and discoveries - how being an outsider or an "innocent" can play an invaluable role in overcoming conventional barriers to new understanding. Being a little crazy does seem to help. As Nobel laureate for physics Sheldon Glashow says, "If you would simply take all the kookiest ideas of the early 1970s and put them together you would have made for yourself the theory which is, in fact, the correct theory of nature, so it was like madness..." These personal explorations with individual scientists are not only accessible and truly fascinating in their insights into the minds of some of the greatest men and women of science, but they also provide a strong case that the life and works of our leading scientists are at least as illuminating and interesting as the personalities of the latest literary prizewinners. A sequel to *A Passion for Science*, this book will delight and intrigue scientists and

non-scientists alike.

The Passion Paradox Jul 06 2021 The coauthors of the bestselling *Peak Performance* dive into the fascinating science behind passion, showing how it can lead to a rich and meaningful life while also illuminating the ways in which it is a double-edged sword. Here's how to cultivate a passion that will take you to great heights—while minimizing the risk of an equally great fall. Common advice is to find and follow your passion. A life of passion is a good life, or so we are told. But it's not that simple. Rarely is passion something that you just stumble upon, and the same drive that fuels breakthroughs—whether they're athletic, scientific, entrepreneurial, or artistic—can be every bit as destructive as it is productive. Yes, passion can be a wonderful gift, but only if you know how to channel it. If you're not careful, passion can become an awful curse, leading to endless seeking, suffering, and burnout. Brad Stulberg and Steve Magness once again team up, this time to demystify passion, showing readers how they can find and cultivate their passion, sustainably harness its power, and avoid its dangers. They ultimately argue that passion and balance--that other virtue touted by our culture--are incompatible, and that to find your passion, you must lose balance. And that's not always a bad thing. They show readers how to develop the right kind of passion, the kind that lets you achieve great things without ruining your life. Swift, compact, and powerful, this thought-provoking book combines captivating stories of extraordinarily passionate individuals with the latest science on the biological and psychological factors that give rise to—and every bit as important, sustain—passion.

The Quantum Ten Sep 27 2020 Theoretical physics is in trouble. At least that's the impression you'd get from reading a spate of recent books on the continued failure to resolve the 80-year-old problem of unifying the classical and quantum worlds. The seeds of this problem were sewn eighty years ago when a dramatic revolution in physics reached a climax at the 1927 Solvay conference in Brussels. It's the story of a rush to formalize quantum physics, the work of just a handful of men fired by ambition, philosophical conflicts and personal agendas. Sheilla Jones paints an intimate portrait of the key figures who wrestled with the mysteries of the new science of the quantum, along with a powerful supporting cast of famous (and not so famous) colleagues. The Brussels conference was the first time so many of the "quantum ten" had been in the same place: Albert Einstein, the lone wolf; Niels Bohr, the obsessive but gentlemanly father figure; Max Born, the anxious hypochondriac; Werner Heisenberg, the intensely ambitious one; Wolfgang Pauli, the sharp-tongued critic with a dark side; Paul Dirac, the silent Englishman; Erwin Schrödinger, the enthusiastic womanizer; Prince Louis de Broglie, the French aristocrat; and Paul Ehrenfest, who was witness to it all. Pascual Jordan, the ardent Aryan nationalist, came uninvited. This is the story of quantum physics that has never been told, an equation-free investigation into the turbulent development of the new science and its very fallible creators, including little-known details of the personal relationship between the deeply troubled Ehrenfest and his dear friend Albert Einstein. Jones weaves together the personal and the scientific in a heartwarming--and heartbreaking--story of the men who struggled to create quantum physics: a story of passion, tragedy, ambition and science.

Science of Passion Oct 21 2022 Everything started with a great love. In fact, I believe that everything usually starts, somehow, through love. In my case, the greatest changes in my life came through the men that I have loved. Thanks to Life, I loved a lot, I loved profoundly and intensely, and all that I have learned, I learned by loving. Only by going through all the pains and all the pleasures of love, without the reservations of not loving out of fear of what would happen, or what other people would think, there I found within me the energy necessary to believe in dreams. The first big dream that I fulfilled three years ago was to walk the eight hundred kilometer trip of the Santiago's journey, an illuminating trek that I recommend to anyone that wishes to grow spiritually. This trip helped me understand new things about Life and about myself, and also helped me better appreciate its beauty. After this marvelous experience, I went through a very difficult time. The journey had given me the strength to endure that difficult time in my life.

After all those beautiful and harsh experiences, my faith in life had increased by leaps and bounds. I then understood that either pleasure or pain are gifts given by Life to those who seek to find themselves. At that time in my life, full of gratitude and love for existence, I tried to find again a man with whom I had shared a beautiful love story. This was at the same time a heartbreaking and marvelous reunion. Sad, because time and distance made that love change, and we could not revive the sublime passion that had united us before. Marvelous because that passion that had been so special, even if it would not manifest itself between us as man and woman once again, but only for the fact that I saw him again, unleashed in me a process that was magical and irreversible. Ever since that encounter I became aware of the existence of another person inside of me. I realized then that She had always been present, but more than ever I had perceived Her clearly. At first, this new sensation was strange to me, even though it filled me with a sort of happiness unknown until then. I wondered if this phenomenon happened only to me, if I was finally going crazy, if I had to seek medical help. But it was so good that it just couldn't be a sickness! I resolved then to deepen my knowledge on the subject, and I came across vast literature that dealt with this kind of spirituality that had flourished in me. I began to understand that I had come into contact with what is called the "Higher Self", the divine part, the soul, the particle of God that exists in everyone! I noticed that I had received an immense gift from Life as a reward for going after my dreams. For many people this might be incomprehensible or even absurd, which is perfectly natural, because it is not possible to understand something which is unknown. But I have also come to understand that for a growing number of people, the spiritual search is not only an intellectual past time, it is a vital necessity, something that is put into practice and lived day by day. With "The Science of Passion", I hope to contribute to the search of some of these people, since my greatest dream is to be a channel of Light for my fellow man.

Sisters in Science Dec 11 2021 The author explores what inspired and daunted black women in their desire to become scientists in America. Letting 18 prominent black women scientists talk for themselves, the book becomes an oral history stretching across decades and disciplines and desires. It ranges from Yvonne Clark, the first black woman to be awarded a BS in mechanical engineering to Georgia Dunston, a microbiologist who is researching the genetic code for her race, to Shirley Jackson, whose aspiration led to the presidency of Rensselaer Polytechnic Institute.

The Science of Passionate Interests Jun 24 2020 How can economics become genuinely quantitative? This is the question that French sociologist Gabriel Tarde tackled at the end of his career, and in this pamphlet, Bruno Latour and Vincent Antonin Lépinay offer a lively introduction to the work of the forgotten genius of nineteenth-century social thought. Tarde's solution was in total contradiction to the dominant views of his time: to quantify the connections between people and goods, you need to grasp "passionate interests." In Tarde's view, capitalism is not a system of cold calculations--rather it is a constant amplification in the intensity and reach of passions. In a stunning anticipation of contemporary economic anthropology, Tarde's work defines an alternative path beyond the two illusions responsible for so much modern misery: the adepts of the Invisible Hand and the devotees of the Visible Hand will learn how to escape the sterility of their fight and recognize the originality of a thinker for whom everything is intersubjective, hence quantifiable. At a time when the regulation of financial markets is the subject of heated debate, Latour and Lépinay provide a valuable historical perspective on the fundamental nature of capitalism.

The Believer May 04 2021 The Believer is the weird and chilling true story of Dr. John Mack. This eminent Harvard psychiatrist and Pulitzer Prize-winning biographer risked his career to investigate the phenomenon of human encounters with aliens and to give credibility to the stupefying tales shared by people who were utterly convinced they had happened. Nothing in Mack's four decades of psychiatry had prepared him for the otherworldly accounts of a cross-section of humanity including young children who reported being taken against their wills by alien beings. Over the course of his career his interest in alien abduction grew from curiosity to wonder, ultimately developing into a limitless, unwavering passion. Based on

exclusive access to Mack's archives, journals, and psychiatric notes and interviews with his family and closest associates, *The Believer* reveals the life and work of a man who explored the deepest of scientific conundrums and further leads us to the hidden dimensions and alternate realities that captivated Mack until the end of his life.

Letters to a Young Scientist Aug 07 2021 Pulitzer Prize-winning biologist Edward O. Wilson imparts the wisdom of his storied career to the next generation. Edward O. Wilson has distilled sixty years of teaching into a book for students, young and old. Reflecting on his coming-of-age in the South as a Boy Scout and a lover of ants and butterflies, Wilson threads these twenty-one letters, each richly illustrated, with autobiographical anecdotes that illuminate his career—both his successes and his failures—and his motivations for becoming a biologist. At a time in human history when our survival is more than ever linked to our understanding of science, Wilson insists that success in the sciences does not depend on mathematical skill, but rather a passion for finding a problem and solving it. From the collapse of stars to the exploration of rain forests and the oceans' depths, Wilson instills a love of the innate creativity of science and a respect for the human being's modest place in the planet's ecosystem in his readers.

The Lunar Men Mar 22 2020 Chronicles the friendships of Matthew Boulton, James Watt, Josiah Wedgwood, Erasmus Darwin, and Joseph Priestly, whose ideas and experiments launched the Industrial Revolution. Reprint. 15,000 first printing.

Community and Identity in Contemporary Technosciences Dec 23 2022 This open access edited book provides new thinking on scientific identity formation. It thoroughly interrogates the concepts of community and identity, including both historical and contemporaneous analyses of several scientific fields. Chapters examine whether, and how, today's scientific identities and communities are subject to fundamental changes, reacting to tangible shifts in research funding as well as more intangible transformations in our society's understanding and expectations of technoscience. In so doing, this book reinvigorates the concept of scientific community. Readers will discover empirical analyses of newly emerging fields such as synthetic biology, systems biology and nanotechnology, and accounts of the evolution of theoretical conceptions of scientific identity and community. With inspiring examples of technoscientific identity work and community constellations, along with thought-provoking hypotheses and discussion, the work has a broad appeal. Those involved in science governance will benefit particularly from this book, and it has much to offer those in scholarly fields including sociology of science, science studies, philosophy of science and history of science, as well as teachers of science and scientists themselves.

Everyday Practice of Science May 16 2022 Presents an overview of the scientific process for those curious about science practice in today's society, and especially for those considering making a career of science.

The Science and Passion of Communism Jan 12 2022 Amadeo Bordiga was one of the greatest figures of the Third Communist International. *The Science and Passion of Communism* presents his Soviet and internationalist battles in the revolutionary post-WWI period until that against Stalinism, and those in the post-WWII period against the triumphant U.S. capitalism and for an original, updated re-presentation of Marxist critique of political economy.

A Passion to Know Nov 22 2022 A panel of leading science writers profiles the varied personalities of some of the most colorful and creative thinkers and examines the often surprising methods behind this century's pioneering research

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