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## Aeronautical Engineer's Data Book

Elsevier **Aeronautical Engineer's Data Book** is an essential handy guide containing useful up to date information regularly needed by the student or practising engineer. Covering all aspects of aircraft, both fixed wing and rotary craft, this pocket book provides quick access to useful aeronautical engineering data and sources of information for further in-depth information. Quick reference to essential data Most up to date information available

## Planning guide for maintaining school facilities

DIANE Publishing

## Network Protection & Automation Guide

## A Night to Remember

Bantam An absorbing, minute-by-minute account of the demise of the "unsinkable" Titanic, the massive luxury liner that housed a French "sidewalk cafe" and a grand staircase, among other extravagances, but failed to provide enough lifeboats for the 2,207 passengers on board. Reissue.

## Handbook to IEEE Standard 45

## A Guide to Electrical Installations on Shipboard

Standards Information Network IEEE 45-2002 is an excellent standard, which is widely used for selecting shipboard electrical and electronic system equipment and its installation. The standard is a living document often interpreted differently by different users. Handbook to IEEE Standard 45: A Guide to Electrical Installations on Shipboard provides a detailed background of the changes in IEEE Std 45-2002 and the reasoning behind the changes as well as explanation and adoption of other national and international standards. It contains the complete text of IEEE 45-2002 relevant clauses, along with explanatory commentary consisting of: - Recommendation intent and interpretation - Historical perspective - Application - Supporting illustrations, drawings and tables This Handbook provides necessary technical details in a simplified form to enhance understanding of the requirements for technical and non-technical people in the maritime industry.

## Bioinformatics

## A Practical Guide to the Analysis of Genes and Proteins

John Wiley & Sons "In this book, Andy Baxevanis and Francis Ouellette . . . have undertaken the difficult task of organizing the knowledge in this field in a logical progression and presenting it in a digestible form. And they have done an excellent job. This fine text will make a major impact on biological research and, in turn, on progress in biomedicine. We are all in their debt." —Eric Lander from the Foreword Reviews from the First Edition "...provides a broad overview of the basic tools for sequence analysis ... For biologists approaching this subject for the first time, it will be a very useful handbook to keep on the shelf after the first reading, close to the computer." —Nature Structural Biology "...should be in the personal library of any biologist who uses the Internet for the analysis of DNA and protein sequence data." —Science "...a wonderful primer designed to navigate the novice through the intricacies of in scripto analysis ... The accomplished gene researcher will also find this book a useful addition to their library ... an excellent reference to the principles of bioinformatics." —Trends in Biochemical Sciences This new edition of the highly successful Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins provides a sound foundation of basic concepts, with practical discussions and comparisons of both computational tools and databases relevant to biological research. Equipping biologists with the modern tools necessary to solve practical problems in sequence data analysis, the Second Edition covers the broad spectrum of topics in bioinformatics, ranging from Internet concepts to predictive algorithms used on sequence, structure, and expression data. With chapters written by experts in the field, this up-to-date reference thoroughly covers vital concepts and is appropriate for both the novice and the experienced practitioner. Written in clear, simple language, the book is accessible to users without an advanced mathematical or computer science background. This new edition includes: All new end-of-chapter Web resources, bibliographies, and problem sets Accompanying Web site containing the answers to the problems, as well as links to relevant Web resources New coverage of comparative genomics, large-scale genome analysis, sequence assembly, and expressed sequence tags A glossary of commonly used terms in bioinformatics and genomics Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins, Second Edition is essential reading for researchers, instructors, and students of all levels in molecular biology and bioinformatics, as well as for investigators involved in genomics, positional cloning, clinical research, and computational biology.

## BIM Handbook

## A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors

John Wiley & Sons "The BIM Handbook is an extensively researched and meticulously written book, showing evidence of years of work rather than something that has been quickly put together in the course of a few months. It brings together most of the current information about BIM, its history, as well as its potential future in one convenient place, and can serve as a handy reference book on BIM for anyone who is involved in the design, construction, and operation of buildings and needs to know about the technologies that support it. The need for such a book is indisputable, and it is terrific that Chuck Eastman and his team were able to step up to the plate and make it happen. Thanks to their efforts, anyone in the AEC industry looking for a deeper understanding of BIM now knows exactly where to look for it." —AECbytes book review, August 28, 2008 ([www.aecbytes.com/review/2008/BIMHandbook.html](http://www.aecbytes.com/review/2008/BIMHandbook.html)) DISCOVER BIM: A BETTER WAY TO BUILD BETTER BUILDINGS Building Information Modeling (BIM) offers a novel approach to design, construction, and facility management in which a digital representation of the building process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Second Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include: Completely updated material covering the current practice and technology in this fast-moving field Expanded coverage of lean construction and its use of BIM, with special focus on Integrated Project Delivery throughout the book New insight on the ways BIM facilitates sustainable building New information on interoperability schemas and collaboration tools Six new case studies Painting a colorful and thorough picture of the state of the art in building information modeling, the BIM Handbook, Second Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

## Introduction to Statistical Modelling

Springer This book is about generalized linear models as described by Nelder and Wedderburn (1972). This approach provides a unified theoretical and computational framework for the most commonly used statistical methods: regression, analysis of variance and covariance, logistic regression, log-linear models for contingency tables and several more specialized techniques. More advanced expositions of the subject are given by McCullagh and Nelder (1983) and Andersen (1980). The emphasis is on the use of statistical models to investigate substantive questions rather than to produce mathematical descriptions of the data. Therefore parameter estimation and hypothesis testing are stressed. I have assumed that the reader is familiar with the most commonly used statistical concepts and methods and has some basic knowledge of calculus and matrix algebra. Short numerical examples are used to illustrate the main points. In writing this book I have been helped greatly by the comments and criticism of my students and colleagues, especially Anne

Young. However, the choice of material, and the obscurities and errors are my responsibility and I apologize to the reader for any irritation caused by them. For typing the manuscript under difficult conditions I am grateful to Anne McKim, Jan Garnsey, Cath Claydon and Julie Latimer.

## Networks of Power

### Electrification in Western Society, 1880-1930

JHU Press Awarded the Dexter Prize by the Society for the History of Technology, this book offers a comparative history of the evolution of modern electric power systems. It described large-scale technological change and demonstrates that technology cannot be understood unless placed in a cultural context.

### Mineral Commodity Summaries 2020

Mineral Commodity Summaries 2019

### Solar Pumping for Water Supply

### Harnessing Solar Power in Humanitarian and Development Contexts

Solar power for pumping groundwater has a vast potential for improving the sustainability of water supply schemes. However a lack of knowledge is holding back their adoption. This book bridges this gap to equip engineers and technicians with the knowledge for design, implementation and operation of sustainable solar powered water schemes.

### Beyond Tube-and-Wing

### The X-48 Blended Wing-Body and NASA's Quest to Reshape Future Transport Aircraft

NASA "This book details the remarkable efforts to develop a new aircraft configuration known as the Blended Wing-Body (BWB). Responding to a challenge from NASA, McDonnell Douglas Corporation initiated studies in the early 1990s to determine if this new configuration could bring about significant advantages over conventional sweptwing, streamlined tube, and swept-tail designs. Research precipitated the design and construction of two small-scale demonstrators: the X-48B. After McDonnell Douglas' merger with Boeing, the X-48B flew 92 test flights before modification into the X-48C, which in turn flew 30 flights under the auspices of NASA's Environmentally Responsible Aviation Program"--

### When Computers Were Human

Princeton University Press Before Palm Pilots and iPods, PCs and laptops, the term "computer" referred to the people who did scientific calculations by hand. These workers were neither calculating geniuses nor idiot savants but knowledgeable people who, in other circumstances, might have become scientists in their own right. When Computers Were Human represents the first in-depth account of this little-known, 200-year epoch in the history of science and technology. Beginning with the story of his own grandmother, who was trained as a human computer, David Alan Grier provides a poignant introduction to the wider world of women and men who did the hard computational labor of science. His grandmother's casual remark, "I wish I'd used my calculus," hinted at a career deferred and an education forgotten, a secret life unappreciated; like many highly educated women of her generation, she studied to become a human computer because nothing else would offer her a place in the scientific world. The book begins with the return of Halley's comet in 1758 and the effort of three French astronomers to compute its orbit. It ends four cycles later, with a UNIVAC electronic computer projecting the 1986 orbit. In between, Grier tells us about the surveyors of the French Revolution, describes the calculating machines of Charles Babbage, and guides the reader through the Great Depression to marvel at the giant computing room of the Works Progress Administration. When Computers Were Human is the sad but lyrical story of workers who gladly did the hard labor of research calculation in the hope that they might be part of the scientific community. In the end, they were rewarded by a new electronic machine that took the place and the name of those who were, once, the computers.

### Railway Maintenance Engineer

### Burn Care and Treatment

### A Practical Guide

Springer Science & Business Media This practical guide offers a comprehensive summary of the most important and most immediate therapeutic approaches in the assessment and treatment of burn injuries. Taking into account age-specific needs in pediatric, adult, and elderly burn patients, the book discusses key issues such as pre-hospital treatment, wound care and infection control, burn nursing, and critical care. In addition, burn reconstructive surgery and rehabilitation for burn victims are described. Written in a concise manner, Burn Care and Treatment provides guidelines for the optimal care in order to improve patient outcome, and thus will be a valuable reference for physicians, surgeons, residents, nurses, and other burn care providers.

### A Practical Guide to Compressor Technology

John Wiley & Sons A Complete overview of theory, selection, design, operation, and maintenance This text offers a thorough overview of the operating characteristics, efficiencies, design features, troubleshooting, and maintenance of dynamic and positive displacement process gas compressors. The author examines a wide spectrum of compressors used in heavy process industries, with an emphasis on improving reliability and avoiding failure. Readers learn both the theory underlying compressors as well as the myriad day-to-day practical issues and challenges that chemical engineers and plant operation personnel must address. The text features: Latest design and manufacturing details of dynamic and positive displacement process gas compressors Examination of the full range of machines available for the heavy process industries Thorough presentation of the arrangements, material composition, and basic laws governing the design of all important process gas compressors Guidance on selecting optimum compressor configurations, controls, components, and auxiliaries to maximize reliability Monitoring and performance analysis for optimal machinery condition Systematic methods to avoid failure through the application of field-tested reliability enhancement concepts Fluid instability and externally pressurized bearings Reliability-driven asset management strategies for compressors Upstream separator and filter issues The text's structure is carefully designed to build knowledge and skills by starting with key principles and then moving to more advanced material. Hundreds of photos depicting various types of compressors, components, and processes are provided throughout. Compressors often represent a multi-million dollar investment for such applications as petrochemical processing and refining, refrigeration, pipeline transport, and turbochargers and superchargers for internal combustion engines. This text enables the broad range of engineers and plant managers who work with these compressors to make the most of the investment by leading them to the best decisions for selecting, operating, upgrading, maintaining, and troubleshooting.

### Mapping Global Theatre Histories

Springer This textbook provides a global, chronological mapping of significant areas of theatre, sketched from its deepest history in the evolution of our brain's 'inner theatre' to ancient, medieval, modern, and postmodern developments. It considers prehistoric cave art and built temples, African trance dances, ancient Egyptian and Middle-Eastern ritual dramas, Greek and Roman theatres, Asian dance-dramas and puppetry, medieval European performances, global indigenous rituals, early modern to postmodern Euro-American developments, worldwide postcolonial theatres, and the hyper-theatricality of today's mass and social media. Timelines and numbered paragraphs form an overall outline with distilled details of what students can learn, encouraging further explorations online and in the library. Questions suggest how students might reflect on present parallels, making their own maps of global theatre histories, regarding geo-political theatrics in the media, our performances in everyday life, and the theatres inside our brains.

### Born in Blood

### The Lost Secrets of Freemasonry

Rowman & Littlefield Its mysterious symbols and rituals had been used in secret for centuries before Freemasonry revealed itself in 1717. But where had this powerful organization come from and why had Freemasonry been attacked by the Roman Catholic Church? Robinson answers those questions and more.

## Plant Engineers and Managers Guide to Energy Conservation

CRC Press Completely revised and updated, this tenth edition of a bestseller covers both management and technical strategies for slashing energy costs by as much as 40 percent in industrial facilities. It discusses cogeneration, gas distributed generation technologies, steam system optimization, geothermal heat pumps, energy outsourcing, electricity purchasing strategies, and power quality case studies. It also provides guidelines for life cycle costing, electrical system optimization, lighting and HVAC system efficiency improvement, mechanical and process system performance, building energy loss reduction, financing energy projects, and more.

## Visual Control of Robots

## High-performance Visual Servoing

John Wiley & Sons Incorporated

## Principles of Macroeconomics

Oxford University Press Principles of Macroeconomics is a lucid and concise introduction to the theoretical and practical aspects of macroeconomics. This revised and updated third edition covers key macroeconomic issues such as national income, investment, inflation, balance of payments, monetary and fiscal policies, economic growth and banking system. This book also explains the role of the government in guiding the economy along the path of stable prices, low unemployment, sustainable growth, and planned development through many India-centric examples. Special attention has been given to macroeconomic management in a country linked to the global economy. This reader-friendly book presents a wide coverage of relevant themes, updated statistics, chapter-end exercises, and summary points modelled on the Indian context. It will serve as an indispensable introductory resource for students and teachers of macroeconomics.

## The Challenge of Crime in a Free Society

## A Report

This report of the President's Commission on Law Enforcement and Administration of Justice -- established by President Lyndon Johnson on July 23, 1965 -- addresses the causes of crime and delinquency and recommends how to prevent crime and delinquency and improve law enforcement and the administration of criminal justice. In developing its findings and recommendations, the Commission held three national conferences, conducted five national surveys, held hundreds of meetings, and interviewed tens of thousands of individuals. Separate chapters of this report discuss crime in America, juvenile delinquency, the police, the courts, corrections, organized crime, narcotics and drug abuse, drunkenness offenses, gun control, science and technology, and research as an instrument for reform. Significant data were generated by the Commission's National Survey of Criminal Victims, the first of its kind conducted on such a scope. The survey found that not only do Americans experience far more crime than they report to the police, but they talk about crime and the reports of crime engender such fear among citizens that the basic quality of life of many Americans has eroded. The core conclusion of the Commission, however, is that a significant reduction in crime can be achieved if the Commission's recommendations (some 200) are implemented. The recommendations call for a cooperative attack on crime by the Federal Government, the States, the counties, the cities, civic organizations, religious institutions, business groups, and individual citizens. They propose basic changes in the operations of police, schools, prosecutors, employment agencies, defenders, social workers, prisons, housing authorities, and probation and parole officers.

## Mars

## Prospective Energy and Material Resources

Springer Science & Business Media th th Mars, the Red Planet, fourth planet from the Sun, forever linked with 19 and 20 Century fantasy of a bellicose, intelligent Martian civilization. The romance and excitement of that fiction remains today, even as technologically sophisticated - botic orbiters, landers, and rovers seek to unveil Mars' secrets; but so far, they have yet to find evidence of life. The aura of excitement, though, is justified for another reason: Mars is a very special place. It is the only planetary surface in the Solar System where humans, once free from the bounds of Earth, might hope to establish habitable, self-sufficient colonies. Endowed with an insatiable drive, focused motivation, and a keen sense of - ploration and adventure, humans will undergo the extremes of physical hardship and danger to push the envelope, to do what has not yet been done. Because of their very nature, there is little doubt that humans will in fact conquer Mars. But even earth-bound extremes, such those experienced by the early polar explorers, may seem like a walk in the park compared to future experiences on Mars.

## World Development Report 2020

## Trading for Development in the Age of Global Value Chains

World Bank Publications Global value chains (GVCs) powered the surge of international trade after 1990 and now account for almost half of all trade. This shift enabled an unprecedented economic convergence: poor countries grew rapidly and began to catch up with richer countries. Since the 2008 global financial crisis, however, the growth of trade has been sluggish and the expansion of GVCs has stalled. Meanwhile, serious threats have emerged to the model of trade-led growth. New technologies could draw production closer to the consumer and reduce the demand for labor. And trade conflicts among large countries could lead to a retrenchment or a segmentation of GVCs. World Development Report 2020: Trading for Development in the Age of Global Value Chains examines whether there is still a path to development through GVCs and trade. It concludes that technological change is, at this stage, more a boon than a curse. GVCs can continue to boost growth, create better jobs, and reduce poverty provided that developing countries implement deeper reforms to promote GVC participation; industrial countries pursue open, predictable policies; and all countries revive multilateral cooperation.

## The Annotated Turing

## A Guided Tour Through Alan Turing's Historic Paper on Computability and the Turing Machine

John Wiley & Sons Provides an expansion of Turing's original paper, a brief look at his life, and information on the Turing machine and computability topics.

## Leaders Eat Last

## Why Some Teams Pull Together and Others Don't

Penguin UK Simon Sinek's recent video on 'The Millennial Question' went viral with over 150 million views. In Leaders Eat Last, Sinek explores how leaders can inspire cooperation and change, and focuses on the millennial generation in the workplace. Imagine a world where almost everyone wakes up inspired to go to work. This is not a crazy, idealised notion. In many successful organisations, great leaders are creating environments in which teams trust each other so deeply that they would put their lives on the line for each other. Yet other teams, no matter what incentives were offered, are doomed to infighting, fragmentation and failure. Why? Today's workplaces tend to be full of cynicism, paranoia and self-interest. But the best organisations foster trust and cooperation because their leaders build what Sinek calls a Circle of Safety. It separates the security inside the team from the challenges outside. Everyone feels they belong and all energies are devoted to facing the common enemy and seizing big opportunities. As in Start with Why, Sinek illustrates his ideas with fascinating true stories, from the military to manufacturing, from government to investment banking. He shows that leaders who are willing to eat last are rewarded with deeply loyal colleagues who will stop at nothing to advance their vision. It's amazing how well it works.

## Air University Style and Author Guide

CreateSpace The faculty, staff and students of Air University will find that this Guide is designed to unify their writing stylistically and to give them information about publishing with AU Press. Rapid expansion in the field of electronic media - especially the internet - has made AU research and writing increasingly accessible. Bases on recognized but forward-looking principles of standard English usage, this Guide provides reliable guidance on such matters as punctuation, capitalization, abbreviation, documentation, numbers, spelling, and much more.

## The Praetorian STARShip : the untold story of the Combat Talon

DIANE Publishing Jerry Thigpen's study on the history of the Combat Talon is the first effort to tell the story of this wonderfully capable machine. This weapons system has performed virtually every imaginable tactical event in the spectrum of conflict and by any measure is the most versatile C-130 derivative ever produced. First modified and sent to Southeast Asia (SEA) in 1966 to replace theater unconventional warfare (UW) assets that were limited in both lift capability and speed the Talon I quickly adapted to theater UW tasking including infiltration and resupply and psychological warfare operations into North Vietnam. After spending four years in SEA and maturing into a highly respected UW weapons system the Joint Chief of Staff (JCS) chose the Combat Talon to lead the night low-level raid on the North Vietnamese prison camp at Son Tay. Despite the outcome of the operation the Talon I cemented its reputation as the weapons system of choice for long-range clandestine operations. In the period following the Vietnam War United States Air Force (USAF) special operations gradually lost its political and financial support which was graphically demonstrated in the failed Desert One mission into Iran. Thanks to congressional supporters like Earl Hutto of Florida and Dan Daniel of Virginia funds for aircraft upgrades and military construction projects materialized to meet the ever-increasing threat to our nation. Under the leadership of such committed hard-driven officers as Brenci Uttaro Ferkes Meller and Thigpen the crew force became the most disciplined in our Air Force. It was capable of penetrating hostile airspace at night in a low-level mountainous environment covertly to execute any number of unconventional warfare missions.

## Energy Conservation Guidebook, Third Edition

CRC Press Revised and edited, this new third edition reference covers the full scope of energy management techniques and applications for new and existing buildings, with emphasis on the "systems" approach to developing an effective overall energy management strategy. Foremost in the enhancements to the new edition is content that reflects the emphasis on conservation for "green energy" awareness. Also examined are building structural considerations, such as heat loss and gain, windows, and insulation. A thorough discussion of heating and cooling systems basics is provided, along with energy management guidelines. Also covered are energy conservation measures that may be applied for lighting systems, water systems, and electrical systems. Specific energy management technologies and their application are discussed in detail, including solar energy systems, energy management systems, and alternative energy technologies. • Covers the full scope of energy management techniques and applications for new and existing buildings • Emphasizes a "systems" approach to developing an effective overall energy management strategy • Includes enhanced content that reflects the emphasis on conservation for "green energy" awareness

## Overthrow

## America's Century of Regime Change from Hawaii to Iraq

Macmillan A fast-paced narrative history of the coups, revolutions, and invasions by which the United States has toppled fourteen foreign governments -- not always to its own benefit "Regime change" did not begin with the administration of George W. Bush, but has been an integral part of U.S. foreign policy for more than one hundred years. Starting with the overthrow of the Hawaiian monarchy in 1893 and continuing through the Spanish-American War and the Cold War and into our own time, the United States has not hesitated to overthrow governments that stood in the way of its political and economic goals. The invasion of Iraq in 2003 is the latest, though perhaps not the last, example of the dangers inherent in these operations. In *Overthrow*, Stephen Kinzer tells the stories of the audacious politicians, spies, military commanders, and business executives who took it upon themselves to depose monarchs, presidents, and prime ministers. He also shows that the U.S. government has often pursued these operations without understanding the countries involved; as a result, many of them have had disastrous long-term consequences. In a compelling and provocative history that takes readers to fourteen countries, including Cuba, Iran, South Vietnam, Chile, and Iraq, Kinzer surveys modern American history from a new and often surprising perspective. "Detailed, passionate and convincing . . . [with] the pace and grip of a good thriller." -- Anatol Lieven, *The New York Times Book Review*

## The Purpose of Power

## From the co-founder of Black Lives Matter

Random House A Must-Read Book of 2020 - TIME 'Should be read around the world.' Ibram X. Kendi, author of *How to Be an Antiracist* 'Garza is ferociously smart and laser-focused... her passion is infectious.' *Guardian* \_\_\_\_\_ Black Lives Matter began as a hashtag when Alicia Garza wrote what she calls 'a love letter to Black people' on Facebook. But hashtags don't build movements, she tells us. People do. Interwoven with Garza's experience of life as a Black woman, *The Purpose of Power* is the story of how she responded to the persistent message that Black lives are of less value than white lives by galvanizing people to create change. It's an insight into grass roots organizing to deliver basic needs - affordable housing, workplace protections, access to good education - to those locked out of the economy by racism. It is an attempt not only to make sense of where Black Lives Matter came from but also to understand the possibilities that Black Lives Matter and movements like it hold for our collective futures. Ultimately, it's an appeal to hearts and minds, demanding that we think about our privileges and prejudices and ask how we might contribute to the change we want to see in the world. \_\_\_\_\_ 'Alicia Garza combines immense wisdom with political courage to inspire a new generation of activists, dreamers and leaders... People like Alicia have been speaking up for decades. If we want to turn protest into substantive change, it's about time we finally listened.' David Lammy, MP 'Insightful, compelling and necessary.' Bryan Stevenson, author of *Just Mercy*

## The Wall Street Journal Guide to Understanding Money & Investing

Simon and Schuster Traces the history of money and discusses stocks, bonds, mutual funds, futures, and options.

## Guide to Money and Investing

New edition of *Guide to Money & Investing*, completely revised and updated for its 25th year in print.

## The Turbine Pilot's Flight Manual

Extensive animation and clear narration highlight this first-of-its-kind CD-ROM. It shows all major systems of jet and turboprop aircraft and how they work. Ideal for self-instruction, classroom instruction or just the curious at heart.

## The Body Electric

## Electromagnetism And The Foundation Of Life

Harper Collins *The Body Electric* tells the fascinating story of our bioelectric selves. Robert O. Becker, a pioneer in the field of regeneration and its relationship to electrical currents in living things, challenges the established mechanistic understanding of the body. He found clues to the healing process in the long-discarded theory that electricity is vital to life. But as exciting as Becker's discoveries are, pointing to the day when human limbs, spinal cords, and organs may be regenerated after they have been damaged, equally fascinating is the story of Becker's struggle to do such original work. *The Body Electric* explores new pathways in our understanding of evolution, acupuncture, psychic phenomena, and healing.

## Future Shock

Bantam NEW YORK TIMES BESTSELLER • The classic work that predicted the anxieties of a world upended by rapidly emerging technologies—and now provides a road map to solving many of our most pressing crises. "Explosive . . . brilliantly formulated." —*The Wall Street Journal* *Future Shock* is the classic that changed our view of tomorrow. Its startling insights into accelerating change led a president to ask his advisers for a special report, inspired composers to write symphonies and rock music, gave a powerful new concept to social science, and added a phrase to our language. Published in over fifty countries, *Future Shock* is the most important study of change and adaptation in our time. In many ways, *Future Shock* is about the present. It is about what is happening today to people and groups who are overwhelmed by change. Change affects our products, communities, organizations—even our patterns of friendship and love. But *Future Shock* also illuminates the world of tomorrow by exploding countless clichés about today. It vividly describes the emerging global civilization: the rise of new businesses, subcultures, lifestyles, and human relationships—all of them temporary. *Future Shock* will intrigue, provoke, frighten, encourage, and, above all, change everyone who reads it.

## Handbook on High-Speed Rail and Quality of Life

Asian Development Bank *Handbook on High-Speed Rail and Quality of Life* outlines global experiences of high-speed rail development, including its construction, impacts, and planning, with a special focus on countries that are planning implementation in the coming decade. High-speed rail infrastructure can bring considerable socioeconomic benefits that cannot be captured through econometric modeling alone. Thus, analysis of the true impacts requires a scalar as well as a temporal lens. The studies in this handbook discuss transport infrastructure projects of varying geographic scale and describe the underlying complexities of developing an infrastructure system while focusing on the aspects that can

enhance quality of life. The cases, concepts, and ideas presented in this handbook were discussed and refined during a conference and seminar series held at the Asian Development Bank Institute in Tokyo and special sessions on transport and quality of life at the 15th World Conference on Transport Research at the Indian Institute of Technology Bombay in Mumbai. The special sessions were jointly organized by the Asian Development Bank Institute and World Conference on Transport Research Society Special Interest Group A4, "High-Speed Rail: Policy, Investment, and Impacts". The conference and special sessions highlighted critical issues and delivered key messages on the broad research on high-speed rail and quality of life.

## Nurtureshock

### Why Everything We Thought About Children is Wrong

Random House What if we told you... that dishonesty in children is a positive trait that arguing in front of your kids can make you a good role model and that if you praise your children you risk making them fail ...and it was all true? Using a cutting-edge combination of behavioural psychology and neuroscience, award-winning journalists Po Bronson and Ashley Merryman have produced an innovative, counter-intuitive read that will change the way we interact with our children forever. They demonstrate that for years our best intentions with children have been our worst ideas, using break-through scientific studies to prove that our instincts and received wisdom are all wrong. Nurtureshock is the Freakonomics of childhood and adolescence, exploring logic-defying insights into child development that have far-reaching relevance for us all.

## The Solar Greenhouse Book

Rodale Books

### Making the Geologic Now

### Responses to Material Conditions of Contemporary Life

punctum books Making the Geologic Now announces shifts in cultural sensibilities and practices. It offers early sightings of an increasingly widespread turn toward the geologic as source of explanation, motivation, and inspiration for creative responses to conditions of the present moment. In the spirit of a broadside, this edited collection circulates images and short essays from over 40 artists, designers, architects, scholars, and journalists who are actively exploring and creatively responding to the geologic depth of "now." Contributors' ideas and works are drawn from architecture, design, contemporary philosophy and art. They are offered as test sites for what might become thinkable or possible if humans were to collectively take up the geologic as our instructive co-designer-as a partner in designing thoughts, objects, systems, and experiences. Recent natural and human-made events triggered by or triggering the geologic have made volatile earth forces sense-able and relevant with new levels of intensity. As a condition of contemporary life in 2012, the geologic "now" is lived as a cascade of events. Humans and what we build participate in their unfolding. Today, and unlike the environmental movements of the 1970s, the geologic counts as "the environment" and invites us to extend our active awareness of inhabitation out to the cosmos and down to the Earth's iron core. A new cultural sensibility is emerging. As we struggle to understand and meet new material realities of earth and life on earth, it becomes increasingly obvious that the geologic is not just about rocks. We now cohabit with the geologic in unprecedented ways, in teeming assemblages of exchange and interaction among geologic materials and forces and the bio, cosmo, socio, political, legal, economic, strategic, and imaginary. As a reading and viewing experience, Making the Geologic Now is designed to move through culture, sounding an alert from the unfolding edge of the "geologic turn" that is now propagating through contemporary ideas and practices. Contributors include: Matt Baker, Jarrod Beck, Stephen Becker, Brooke Belisle, Jane Bennett, David Benque, Canary Project (Susannah Saylor, Edward Morris), Center for Land Use Interpretation, Brian Davis, Seth Denizen, Anthony Easton, Elizabeth Ellsworth, Valeria Federighi, William L. Fox, David Gersten, Bill Gilbert, Oliver Goodhall, John Gordon, Ilana Halperin, Lisa Hirmer, Rob Holmes, Katie Holten, Jane Hutton, Julia Kagan, Wade Kavanaugh, Oliver Kellhammer, Elizabeth Kolbert, Janike Kampevoid Larsen, Jamie Kruse, William Lamson, Tim Maly, Geoff Manaugh, Don McKay, Rachel McRae, Brett Milligan, Christian MilNeil, Laura Moriarity, Stephen Nguyen, Erika Osborne, Trevor Paglen, Anne Reeve, Chris Rose, Victoria Sambunaris, Paul Lloyd Sargent, Antonio Stoppani, Rachel Sussman, Shimpei Takeda, Chris Taylor, Ryan Thompson, Etienne Turpin, Nicola Twilley, Bryan M. Wilson.