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Columbia University Press

Fixing the Sky: The Checkered History of Weather and Climate Control

James Rodger Fleming

As the alarm over global warming spreads, radical ideas are taking hold: if cuts in greenhouse gas emissions are insufficient, let's use reflective nanoparticles to bounce sunlight directly into space or launch mirrors into orbit around the earth. We could make clouds thicker and brighter or surround Arctic sea ice with a huge plastic flotilla. Yet while these proposals seem edgy and exciting, they often test the limits of scientific possibility and overlook the political, ethical, and social consequences of climate management. Revisiting over a century of efforts at weather and climate control, *James Rodger Fleming* shows what can happen when fixing the sky becomes a dangerous experiment in pseudoscience.

Fleming's absorbing history is filled with scientists, soldiers, and salesmen who are either the victims to hubris or have perpetuated ancient weather and climate myths. Weaving together stories from elite science, cutting-edge technology, and popular culture, *Fleming* examines issues of health and navigation in the 1830s, drought in the 1890s, aircraft safety in the 1930s, and world conflict since the 1940s. Killer hurricanes, ozone depletion, and global warming fuel the fantasies of today. Based on archival and primary research, *Fleming's* compelling and highly original story speaks to anyone who has a stake in sustaining the planet.

James Rodger Fleming is a historian of science and

technology and professor of science, technology, and society at Colby College. He recently held the Charles A. Lindbergh Chair in Aerospace History at the Smithsonian Institution and the Roger Revele Fellowship in Global Stewardship from the American Association for the Advancement of Science. He has also been a public policy scholar at the Woodrow Wilson International Center for Scholars.

Aug. 2010 352pp HB Price: \$. 27.95

The Columbia Guide to American Indians of the Southwest

Trudy Griffin-Pierce

A major work on the history and culture of Southwest Indians, **The Columbia Guide to American Indians of the Southwest** tells a remarkable story of cultural continuity in the face of migration, displacement, violence, and loss. The Native peoples of the American Southwest are a unique group, for while the arrival of Europeans forced many Native Americans to leave their land behind, those who lived in the Southwest held their ground. Many still reside in their ancestral homes, and their oral histories, social practices, and material artifacts provide revelatory insight into the history of the region and the country as a whole.

Trudy Griffin-Pierce incorporates her lifelong passion for the people of the Southwest, especially the Navajo, into an absorbing narrative of pre- and post contact Native experiences. She finds that, even though the policies of the U.S. government were meant to promote assimilation, Native

Good Offices Committee (of FBPAI) Conversion rates for Books and Journals, effective 1st June 2010



British Pound Sterling @ Rs. 71.20 U S Dollar @ Rs. 48.20 Euro @ Rs. 61.00

peoples formed their own response to outside pressures, choosing to adapt rather than submit to external change. *Griffin-Pierce* provides a chronology of instances that have shaped present-day conditions in the region, as well as an extensive glossary of significant people, places, and events. Setting a precedent for ethical scholarship, she describes different methods for researching the Southwest and cites sources for further archaeological and comparative study. Completing the volume is a selection of key primary documents, literary works, films, Internet resources, and contact information for each Native community, enabling a more thorough investigation into specific tribes and nations.

The Columbia Guides to American Indian History and Culture also include: • The Columbia Guide to American Indians of the Great Plains *Loretta Fowler* • The Columbia Guide to American Indians of the Northeast *Kathleen J. Bragdon* • The Columbia Guide to American Indians of the Southeast *Theda Perdue* and *Michael D. Green*.

Trudy Griffin-Pierce (1949-2009) was an associate professor of anthropology at the University of Arizona. She is the author of *Native Peoples of the Southwest*; *Earth Is My Mother, Sky Is My Father: Space, Time, and Astronomy in Navajo Sandpainting*; and *Native Americans: Enduring Cultures and Traditions*, and contributed a chapter to National Geographic's *Peoples of the World*. Her research focused on the Apachean peoples, especially the Navajo, which led her into the field of anthropology.

May 2010 320pp HB Price: \$. 45.00

“The World Cup will help unify people. If there is one thing in this planet that has the power to bind people, it is soccer.”

:- Nelson Mandela



**Parasites
Tales of Humanity's Most
Unwelcome Guests**

Rosemary Drisdelle

Hidden away within living tissues, parasites are all around us—and inside us. Yet, despite their unsavory characteristics, as we find in this compulsively readable book, parasites have played an enormous role in civilizations through time and around the globe. **Parasites: Tales of Humanity's Most Unwelcome Guests** puts amoebae, roundworms, tapeworms, mites, and others at the center of the action as human cultures have evolved and declined. It shows their role in exploration, war, and even terrorist plots, often through an unpredictable ripple effect. It reveals them as invisible threats in our food, water, and luggage; as invaders that have shaped behaviors and taboos; and as unexpected partners in such venues as crime scene investigations. **Parasites** also describes their evolution and life histories and considers their significant benefits. Deftly blending the sociological with the scientific, this natural and social history of parasites looks closely at a fascinating, often disgusting group of organisms and discovers that they are in fact an integral thread in the web of life.

Rosemary Drisdelle is a writer and a clinical parasitologist living in Nova Scotia.

Aug. 2010 280pp HB Price: \$. 27.50

**Miracle Cures
Saints, Pilgrimage, and the Healing
Powers of Belief**

Robert A. Scott

Iconic images of medieval pilgrims, such as Chaucer's making their laborious way to Canterbury, conjure a distant time when faith was the only refuge of the ill and infirm, and thousands traveled great distances to pray for

healing. Why, then, in an age of advanced biotechnology and medicine, do millions still go on pilgrimages? Why do journeys to important religious shrines—such as Lourdes, Compostela, Fátima, and Medjugorje—constitute a major industry? **In Miracle Cures**, *Robert A. Scott* explores these provocative questions and finds that pilgrimage continues to offer answers for many. Its benefits can range from a demonstrable improvement in health to complete recovery. Using research in biomedical and behavioral science, Scott examines accounts of miracle cures at medieval, early modern, and contemporary shrines.

He inquires into the power of relics, apparitions, and the transformative nature of sacred journeying and shines new light on the roles belief, hope, and emotion can play in healing.

Robert A Scott, a sociologist, is the author of *The Gothic Enterprise: A Guide to Understanding the Medieval Cathedral* (UC Press).

June 2010 272pp HB Price: \$.24.95



The Little Book of String Theory
Steven S. Gubser

The Little Book of sting Theory offers a short, accessible, and entertaining introduction to one of the most talked-about areas of physics today. String theory has been called the "theory of everything. It seeks to describe all the fundamental forces of nature. It seeks to describe all the fundamental forces of nature. It encompasses gravity and quantum mechanics in one unifying theory. But it is unproven and fraught with controversy. After reading this book, you'll be able to draw your own conclusion about string theory.

Steven S. Gubser is professor of physics at Princeton University.

April 2010 184pp HB Price: \$. 22.95

Fault Lines:

How Hidden Fractures Still Threaten the World Economy

Raghuram G. Rajan

Raghuram Rajan was one of the few economists who warned of the global financial crisis before it hit. Now, as the world struggles to recover, it's tempting to blame what happened on just a few greedy bankers who took irrational risks and left the rest of us to foot the bill. In **Fault Lines**, Rajan argues that serious flaws in the economy are also to blame, and warns that a potentially more devastating crisis awaits us if they aren't fixed.

Rajan shows how the individual choices that collectively brought about the economic meltdown--made by bankers, government officials, and ordinary home owners--were rational responses to a flawed global financial order in which the incentives to take on risk are incredibly out of step with the dangers those risks pose. He traces the deepening fault lines in a world overly dependent on the indebted American consumer to power global economic growth and stave off global downturns. He exposes a system where America's growing inequality and thin social safety net create tremendous political pressure to encourage easy credit and keep job creation robust, no matter what the consequences to the economy's long-term health; and where the U.S. Financial sector, with its skewed incentives, is the critical but unstable link between an overstimulated America and an underconsuming world.

In **Fault Lines**, Rajan demonstrates how unequal access to education and health care in the United States puts us all in deeper financial peril, even as the economic choices of countries like Germany, Japan, and China place an undue burden on America to get its policies right. He outlines the hard choices we need to make to ensure a more stable world economy and restore lasting prosperity.

Raghuram G. Rajan is the Eric J. Gleacher Distinguished Service

FIFA World Cup 2010 - Interesting facts.....

This month--and for the first time--football's premier international tournament will be held on African soil. With 32 nations competing, and an estimated 27 billion TV viewings, it's going to be filled with fun and action.

By the numbers.....

- 15,000 volunteers and 41,000 police officers will be deployed at the 2010 FIFA World Cup.
- The ten South African stadiums will seat more than 570,000 people.
- Brazilian Ronaldo Luis Nazario de Lima has scored 15 goals over three Cups--more than any other player.
- In 1994, Cameroon's Roger Milla became the oldest player to compete in a World Cup: he was 42 years and 39 days old.
- The fastest World Cup goal was scored in 11 seconds by Turkey's Hakan Sukur in 2002 against Korea.
- 3 million tickets are available this time for the 64 matches; 480000 of them to South African fans.
- The winners will take home \$30 million
- Brazil have won the World Cup a record 5 times.
- German player Lothar Matthaeus holds the record for playing in the most World Cup matches: 25 between 1982 and 1998.
- During the 1954 World Cup 140 goals were scored in 26 matches--a record average 5.4 goals per match.
- Frenchman Zinedine Zidane's two red and four yellow cards during three tournaments is a World Cup penalty record.

.....Courtesy: Readers Digest

Professor of Finance at the University of Chicago Booth School of Business and former chief economist at the International Monetary Fund. He is the coauthor of *Saving Capitalism from the Capitalists: Unleashing the Power of Financial Markets to Create Wealth and Spread Opportunity* (Princeton).

June 2010 272pp HB Price: \$26.95

 NYU Press

Miracles

Wonder and Meaning in World Religions

David L. Weddle

Despite the dominance of scientific explanation in the modern world, at the beginning of the twenty-first century faith in miracles remains strong, particularly in resurgent forms of traditional religion. In *Miracles*, David L. Weddle examines how five religious traditions—Hinduism, Judaism, Buddhism, Christianity, and Islam—

understand miracles, considering how they express popular enthusiasm for wondrous tales, how they provoke official regulation because of their potential to disrupt authority, and how they are denied by critics within each tradition who regard belief in miracles as an illusory distraction from moral responsibility.

In dynamic and accessible prose, *Weddle* shows us what miracles are, what they mean, and why, despite overwhelming scientific evidence, they are still significant today: belief in miracles sustains the hope that, if there is a reality that surpasses our ordinary lives, it is capable of exercising—from time to time—creative, liberating, enlightening, and healing power in our world.

David L. Weddle is the David and Lucile Packard Professor at Colorado College and the author of *The Law as Gospel: Revival and Reform in the Theology of Charles G. Finney*.

July 2010 PB 280pp Price: \$ 22.00



facet publishing

Handbook of Art and Design Librarianship

Paul Glassman, Associate Professor and Director, Library at Felician College, USA and *Amanda JK Gluibizzi*, Subject Librarian for Art, Chio State University.

While much attention has been paid to art librarianship as it exists in museum settings, comparatively less notice has been taken of academic and art-and-design-school art librarianship as a distinct focus.

However, the skills of subject specialists in the arts and their advocacy on behalf of their users are fundamental elements in vital art libraries that fully support and anticipate the needs of artists, designers, architects, and the historians who study these disciplines.

Put together by an international team of contributors, this essential handbook examines methods of innovative librarianship in academic and art school libraries throughout the world. With a focus on the intersection of best practice and best opportunities, the book brings together the philosophies and realities of the most creative librarians working in the field of art librarianship today and serves as a field guide to academic art libraries in the twenty-first century.

Key discussions include: • the role of liaison to the visual arts • visual literacy for highly literate viewers • art history pedagogy and special collections • technology in an art and design library collection management, renewal, and de-accession • new forms of scholarly communication and their impact on art librarianship • the making of the 21st century art library

This timely book is essential reading for all information professionals working in art and design environments. It will also be of interest to students of librarianship interested in the challenges currently facing

professionals working in this specialized area.

May 2010 352pp PB Price: £. 54.95

Effective Blogging for Libraries

Connie Crosby, Founder of Crosby Group Consulting, and Instructor with the Professional Learning Centre, Faculty of Information, University of Toronto.

Renowned library blogger, speaker, and educator *Connie Crosby* shares her experience and expertise in this step-by-step guide to successful library blogging. This is the go-to resource for any librarian in search of practical, easy-to-implement instruction for creating and managing a winning library blog.

This comprehensive guide spans all phases of the library blogging process. You'll learn how to properly plan for and implement your blog, crucial posting techniques, and strategies for dealing with comments and tagging. You'll save time with *Crosby's* advice for marketing your blog, tips for managing staff bloggers, usability guidelines, and a variety of assessment methods. And she gives you real-life examples from libraries with successful blogs to help demonstrate current best practices.

April 2010 125pp PB Price: £. 34.95



The University of Chicago Press

Bulletproof Feathers

How Science Uses Nature's Secrets to Design Cutting-Edge Technology

Robert Allen

Fabrics that are not only stain resistant but actually clean themselves. Airplane wings that change shape in midair to take advantage of shifts in wind currents. Hypodermic needles that use tiny serrations to render injections virtually pain free.

Though they may sound like the stuff of science fiction, in fact such inventions represent only the most recent iterations of natural mechanisms that are billions of years old—the focus of the rapidly growing field of biomimetics.

Based on the realization that natural selection has for countless eons been conducting trial-and-error experiments with the laws of physics, chemistry, material science, and engineering, biomimetics takes nature as its laboratory, looking to the most

FIFA World Cup 2010 Fact File.....



- George Best, one of the greatest players of all time, never played in a World Cup: his national side, Northern Ireland, never qualified
- The South African team are nicknamed Bafana Bafana, which means “the boys, the boys” in Zulu.
- Before Ireland’s first game of the 2002 World Cup, captain Roy Keane was sent home after arguing with manager Mick McCarthy. Even intervention by the Irish Prime Minister failed to heal the rift.
- In 1978, FIFA asked Hungary (red) and France (blue) to change strips so they would be distinguishable on black-and-white TV sets. Unfortunately, both teams then turned up wearing white, as a result, the game was delayed for 40 minutes.
- The last time India qualified for a FIFA World Cup was in 1950. However, they were unable to play--the rules required that palyers wear boots, but the Indians were only used to playing barefoot !

.....Courtesy: Readers Digest

successful developments and strategies of an array of plants and animals as a source of technological innovation and ideas. Thus the lotus flower, with its waxy, water-resistant surface, gives us stainproofing; the feathers of raptors become transformable airplane wings; and the nerve-deadening serrations on a mosquito's proboscis are adapted to hypodermics.

With **Bulletproof Feathers**, *Robert Allen* brings together some of the greatest minds in the field of biomimetics to provide a fascinating—at times even jaw-dropping—overview of cutting-edge research in the field. In chapters packed with illustrations, *Steven Vogel* explains how architects and building engineers are drawing lessons from prairie dogs, termites, and even sand dollars in order to heat and cool buildings more efficiently; *Julian Vincent* goes to the very building blocks of nature, revealing how different structures and arrangements of molecules have inspired the development of some fascinating new materials, such as waterproof clothing based on shark skin; *Tomonari Akamatsu* shows how sonar technology has been greatly improved through detailed research into dolphin communication; *Yoseph Bar-Cohen* delves into the ways that robotics engineers have learned to solve design problems through reference to human musculature; *Jeannette Yen* explores how marine creatures have inspired a new generation of underwater robots; and *Robert Allen* shows us how cooperative behavior between birds, fish, and insects has inspired technological innovations in fields ranging from Web hosting to underwater exploration.

A readable, yet authoritative introduction to a field that is at the forefront of design and technology—and poised to become even more important in the coming decades as population pressures and climate change make the need for efficient technological solutions more acute—**Bulletproof Feathers** offers adventurous readers a tantalizing peek into the future, by way of our

evolutionary past.

May 2010 192pp HB **Price: \$. 35.00**

The Book of Shells **A Life-Size Guide to Identifying and Classifying Six Hundred Seashells**

M. G. Harasewych and *Fabio Moretzsohn*

Who among us hasn't marveled at the diversity and beauty of shells? Or picked one up, held it to our ear, and then gazed in wonder at its shape and hue? Many a lifelong shell collector has cut teeth (and toes) on the beaches of the Jersey Shore, the Outer Banks, or the coasts of Sanibel Island. Some have even dived to the depths of the ocean. But most of us are not familiar with the biological origin of shells, their role in explaining evolutionary history, and the incredible variety of forms in which they come.

Shells are the external skeletons of mollusks, an ancient and diverse phylum of invertebrates that are in the earliest fossil record of multicellular life over 500 million years ago. There are over 100,000 kinds of recorded mollusks, and some estimate that there are over a million more that have yet to be discovered. Some breathe air, others live in fresh water, but most live in the ocean. They range in size from a grain of sand to a beach ball and in weight from a few grams to several hundred pounds. And in this lavishly illustrated volume, they finally get their full due.

The Book of Shells offers a visually stunning and scientifically engaging guide to six hundred of the most intriguing mollusk shells, each chosen to convey the range of shapes and sizes that occur across a range of species. Each shell is reproduced here at its actual size, in full color, and is accompanied by an explanation of the shell's range, distribution, abundance, habitat, and operculum—the piece that protects the mollusk when it's in the shell. Brief scientific and historical accounts of each shell and related species include fun-filled facts and

anecdotes that broaden its portrait.

The Matchless Cone, for instance, or *Conus Cedonulli*, was one of the rarest shells collected during the eighteenth century. So much so, in fact, that a specimen in 1796 was sold for more than six times as much as a painting by Vermeer at the same auction. But since the advent of scuba diving, this shell has become far more accessible to collectors—though not without certain risks. Some species of *Conus* produce venom that has caused more than thirty known human deaths.

The Zebra Nerite, the Heart Cockle, the Indian Babylon, the Junonia, the Atlantic Thorny Oyster—shells from habitats spanning the poles and the tropics, from the highest mountains to the ocean's deepest recesses, are all on display in this definitive work.

June 2010 656pp HB **Price: \$. 55.00**

RSC Publishing

Future of Glycerol 2nd Edn.

Mario Pagliaro, *Michele Rossi*

By-products of global biodiesel manufacturing are a modern day global fact responsible for igniting a number of year's worldwide intense research activity into human chemical ingenuity.

This highly anticipated 2nd Edition depicts how practical limitations posed by glycerol chemistry are solved based on the understanding of the fundamental chemistry of glycerol and by application of catalysis science and technology.

The authors report and comment on employable, practical avenues applicable to convert glycerol into value added products of mass consumption.

The best-selling reference book in the field. Essential reading for anyone interested in understanding whether biodiesel and glycerol refineries are convenient and economically sound.

Mario Pagliaro is a chemistry scholar based at Palermo's CNR where he leads Sicily's Photovoltaics Research Pole.

Michele Rossi holds a chair of inorganic chemistry at the University of Milan.

2010 190pp HB Price: £. 95.00

Green Chemistry An Introductory Text Mike Lancaster

Sustainable development and environmental issues are at the forefront of public and Government concern. Chemistry and Chemical Engineering may offer the solution to many of these challenges, but chemicals can also be part of the problem. Green chemistry aims to provide environmentally benign products from sustainable resources, using processes that do not harm people or the environment.

Aimed at undergraduate and postgraduate students, this introduction to green chemistry encourages new ways of thinking about how products and processes are developed. These include methods of waste minimization, use of renewable feed stocks and the role of catalysis in reducing raw material use. The text is easy to understand and particularly relevant to courses on Clean Technology and Green Chemistry. It includes case studies and real examples from industry to demonstrate how the techniques work in practice.

Mike Lancaster has more than 20 years experience in the chemical industry, mainly with BP in a variety of R&D and Business Management roles. He established the Green Chemistry Network and a Masters course in Clean Technology at the University of York. He has spent the last 6 years with the Chemical Industries Association and has been heavily involved in

developing and promoting the sustainable development agenda.

2010 340pp HB Price: £. 29.95

Yale University Press

New....

History and the Enlightenment Hugh Trevor-Roper

Arguably the leading British historian of his generation, *Hugh Trevor-Roper* (1914–2003) is most celebrated and admired as the author of essays. This volume brings together some of the most original and radical writings of his career—many hitherto inaccessible, one never before published, all demonstrating his piercing intellect, urbane wit, and gift for elegant, vivid narrative. This collection focuses on the writing and understanding of history in the eighteenth century and on the great historians and the intellectual context that inspired or provoked their writings. It combines incisive discussion of such figures as *Gibbon*, *Hume*, and *Carlyle* with broad sweeps of analysis and explication. Essays on the Scottish Enlightenment and the Romantic movement are balanced by intimate portraits of lesser-known historians whose significance *Trevor-Roper* took particular delight in revealing.

The late **Hugh Trevor-Roper** (Lord Dacre of Glanton) was Regius Professor of History at the University of Oxford. Among his numerous books is the best-selling *The Hermit of Peking: The Hidden Life of Sir Edmund Backhouse*.

May 2010 352pp HB Price: \$. 40.00

Colour of Paradise The Emerald in the Age of Gunpowder Empires

Kris Lane

Among the magnificent gems and jewels left behind by the great Islamic empires, emeralds stand out for their size and prominence. For the Mughals, Ottomans, and Safavids green was—as it remains for all Muslims—the color of Paradise, reserved for the Prophet Muhammad and his descendants. Tapping a wide range of sources, *Kris Lane* traces the complex web of global trading networks that funneled emeralds from backland South America to populous Asian capitals between the sixteenth and the eighteenth centuries. *Lane* reveals the bloody conquest wars and forced labor regimes that accompanied their production. It is a story of trade, but also of transformations—how members of profoundly different societies at opposite ends of the globe assigned value to a few thousand pounds of imperfectly shiny green rocks.

Kris Lane is professor of history at the College of William and Mary. His previous books include *Pillaging the Empire: Piracy in the Americas, 1500–1750* and *Quito 1599: City & Colony in Transition*.

Apr 2010 320pp HB Price: \$. 40.00



Forthcoming....

The Behaviour and Welfare of the Horse, 2nd Edition

A F Fraser, formerly Memorial University of Newfoundland, Canada

Horses play a unique role in human activities, for both work and recreation. From the ranch to the racetrack, an understanding of their behaviour and

Click on link- Soccer world cup calendar and it is brilliant!!!

<http://www.marca.com/deporte/futbol/mundial/sudafrica-2010/calendario-english.html>

Don't forget to move your mouse around to see how beautifully they have organised everything.

needs is vital for man to ensure their well-being. Providing a comprehensive, scientific overview of horse behaviour and its relation to welfare, this new, updated edition includes new developments in the understanding of the relationship between physiology and performance, and the neuro-chemical basis of stereotypic behaviour. It is expanded to address the important topic of welfare from both a fundamental and practical viewpoint, and will serve as an essential resource for veterinarians, equine professionals and horse owners as well as students of veterinary and animal sciences.

Contents : • Development of Equine Behaviour • Sensory Faculties and Behavioural Roots • Neural Substrate • Behavioural Homeostasis • Eating, Drinking and Ingestive Welfare • Body Care and Evacuation • Kinetic Behaviour and Racing • Spatial Factors • Rest, Work and Transportation • Breeding Function • Mare/Foal Dynamics • Foal Function and Welfare • Development and Social Behaviour • Humane Control and Husbandry Welfare • Disordered Behaviour and Stress • Equine Culture and Protection

April 2010 256pp PB **Price: £. 37.50**
HB **Price: £. 75.00**

Nutrition, Immunity and Infections

P Shetty, University of Southampton, UK

Infectious diseases are an important cause of malnutrition. Recurrent infections increase the risk of malnutrition while poor nutritional status results in lowered immune status and predisposes to infectious disease thus propagating the vicious cycle of infection and malnutrition. The nutrition-infection-immunity axis is crucial for both developed and developing countries and is now a central feature of many nutrition and infectious disease courses. Bringing together nutrition and immunology, *Nutrition, Immunity and Infections* covers the topic in an accessible format for all students of nutrition, medicine and public health. Through his work

at the London School of Hygiene and Tropical Medicine, the FAO's Food and Nutrition Division and his current post at the University of Southampton, *Professor Shetty* has built a reputation to match his wealth of experience in the relationship between nutrition and susceptibility to infection.

Contents:

• Introduction to nutrition, immunity and infection • Immune systems: the defence mechanisms of the body • Role of nutrients in immune functions • Undernutrition, host defence mechanisms and risk of infection • Infections and undernutrition: causation and consequences • Vitamin A deficiency and risk of infection • Iron status and risk of infection Contents: • Zinc deficiency and infections • Nutrition, HIV/AIDS and Tuberculosis • Nutrition, immunity and infections of infants and children • Maternal nutrition, infections and birth outcomes

• Nutrition, immunity and infections in the elderly • Nutrition, immunity and chronic diseases • Probiotics, prebiotics and immunity • Food Allergy

July 2010 224P PB **Price : £. 37.50**



New....

History of the Modern Suspension Bridge Solving the Dilemma between Economy and Stiffness

Tadaki Kawada, Ph.D. translated by *Harukazu Ohashi*, Ph.D.; edited by *Richard Scott*, M.E.S.

The English translation of *Tadaki Kawada's* landmark book traces the

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.....Courtesy: www.dl4all.com

modern suspension bridge from its earliest appearance in Western civilization only 200 years ago to the enormous Akashi Kaikyo and Storebaelt bridges completed at the end of the twentieth century. This book examines the conflicts, the bridge collapses, the colorful personalities, and the advancements that have shaped the development of the suspension bridge.

From John Roebling and the Brooklyn Bridge to the legendary rivalry between Othmar Ammann and David Steinman, from the Tacoma Narrows Bridge collapse in 1940, which Kawada explores in depth, to the closing of London's Millennium Bridge just three days after its opening, this book is a complete history of the modern suspension bridge with a focus on the two essential factors in suspension bridge design, economy and stiffness, which are always in competition with one another.

How do engineers reinforce the suspension bridge against the elements of wind and traffic, without sacrificing economy?

This book will appeal to anyone interested in engineering history and suspension bridges. Practicing engineers will find the charts, tables, and design formulas especially valuable.

Tadaki Kawada, Ph.D., is a renowned engineer and bridge designer who has designed some of the world's longest suspension bridges. He served as president and CEO of Kawada Industries, Tokyo, and is currently on the board of directors.

Harukazu Ohashi, Ph.D., (translator) is an executive officer of Nippon Engineering Consultants Co., Ltd., of Tokyo and previously held positions with the Honshu-Shikoku Bridge Authority in Japan and Parsons Corporation in New York.

Richard Scott (editor) is a waterway heritage planner for Parks Canada,

where he is currently responsible for planning along the Trent-Severn Waterway. He is the author of *In the Wake of Tacoma* (ASCE Press, 2001).

2010 262pp PB Price: \$ 56.00

RSC Publishing

A new journal....

MedChemComm

Launching in 2010, **MedChemComm** will be the official journal of the European Federation for Medicinal Chemistry (EFMC). This new journal will publish medicinal chemistry research, including new studies related to biologically-active-chemical or biochemical entities that can act as pharmacological agents with therapeutic potential or relevance.

Examples of areas that will be included:

- Design, synthesis and biological evaluation of novel chemical or biochemical entities leading to new pharmacological agents, probes and / or potential drugs.
- Computational, biophysical, physicochemical, molecular biological, proteomic studies of chemical/biochemical entities and their interaction within their biological environment.
- Pharmacokinetic behaviour, pharmacodynamics, and drug safety and toxicology
- Chemical biology studies that enable drug discovery
- Chemical modifications of known chemical/biochemical entities that improve pharmacological properties.

For more detail on the scope of the journal and the article types, look out for further news and announcements at : www.rsc.org/publishing

Frequency: Monthly from mid 2010

Volume : 1

Price: Print & Online : £. 650.00

Online : £. 585.00

Free to registered institutions plus Package A+, A subscribers.

Health Watch...

The Two-Minute

Diabetes Q & A

Uncontrolled diabetes doubles your risk of heart disease and shortens life by 10 to 15 years. Here's how to know if you're headed for trouble.

Shockingly often, doctors miss opportunities to test people at high risk for diabetes. The result: according to experts, very few people with pre-diabetes have been told by their doctors that they have the condition. And tens of millions of others are living with undiagnosed diabetes.

So grab a pencil--this self-check is easy, but it can find nine out of ten people at risk for dangerous blood sugar problems.

Home Check - Circle your answers, then add up the points.

1. How old are you ? (Under 40: 0 points; 40-49: 1; 50-59: 2; 60 or older: 3;
2. Are you a woman (0) or a man (1) ?
3. Does a family member (Parent, brother, or sister) have diabetes ? (No: 0; Yes: 1)
4. Do you have high blood pressure or are you on medication for high blood pressure ? (No:0, Yes:1)
5. Are you overweight or obese ? (Normal weight:0, overweight: 1; obese: 2, extremely obese: 3)
6. Are you physically active ? (No: 1; yes:0)

Your next step: If your total score is 4 or higher, there's a good chance you have pre-diabetes. If it's 5 or higher, you're at high risk for diabetes. See your doctor for a blood sugar test.

.....Courtesy: Readers' Digest