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Restless in Sleep
Country University of
Chicago Press
Sleep, and the lack of
it, is a public
obsession and an
enormous everyday
quandary. Troubled
sleep tends to be seen
as an individual
problem and personal
responsibility, to be
fixed by better habits
and tracking gadgets,
but the reality is
more complicated.
Sleep is a site of
politics, culture, and
power. In *Restless in*
Sleep Country Paul
Huebener pulls back

the covers on cultural
representations of
sleep to show how they
are entangled with
issues of colonialism,
homelessness, consumer
culture, technology and
privacy, the
exploitation of labour,
and the effects of the
Covid-19 pandemic. Even
though it almost
entirely evades direct
experience, sleep is
the subject of a
variety of potent
narratives, each of
which can serve to
clarify and shape its
role in our lives. In
Canada, cultural

visions of slumber
circulate through such
diverse forms as
mattress commercials,
billboards, comic
books, memoirs,
experimental poetry,
and bedtime story phone
apps. By guiding us
through this
imaginative landscape,
Huebener shows us how
to develop a critical
literacy of sleep.
Lying down and closing
our eyes is an act that
carries surprisingly
high stakes, going
beyond individual sleep
troubles. *Restless in*
Sleep Country

illuminates the idea of sleep as a crucial site of inequity, struggle, and gratification.

Futures: Imagining Socioecological Transformation OUP

Oxford

Building on the experience of OECD countries, this report sets out how the latest economic evidence and tools can enable better policy making for adaptation.

The Limits of the Green Economy
Basic Books

This book presents the results of the first full-scale emissions trading schemes in Australia and

internationally, arguing these schemes will not be sufficient to 'civilize markets' and prevent dangerous climate change. Instead, it articulates the ways climate policy needs to confront the collective nature of our predicament.

The Routledge Atlas of South Asian Affairs John Wiley & Sons

Teaching epidemiology requires skill and knowledge, combined with a clear teaching strategy and good pedagogic skills. The general advice is simple: if you are not an expert on a topic, try to enrich your background knowledge before you start teaching. The new edition of Teaching Epidemiology helps

you to do this and, by providing world-expert teachers' advice on how best to structure teaching, providing a unique insight into what has worked in their hands. This book will help you to tailor your own epidemiology teaching programme. The fourth edition of this established text has been fully revised and updated, drawing on new research findings and recently developed methods including research technologies in genetic epidemiology and method development in relation to causal analysis. Analytical tools provide teachers in the field with the skills to guide students at both

undergraduate and postgraduate levels. Each chapter in Teaching Epidemiology comprises key concepts in epidemiology, subject specific methodologies, and disease specific issues, to provide expert assistance in the teaching of a wide range of epidemiology courses.

Climate Change 2021 – The Physical Science Basis

Routledge

"It's the hubris of every generation to think that they have arrived at the best way of living. But all the things we now take for granted, all the modern wisdoms we hold to be self-evident, were once derided as dangerous or foolish radical thinking." -- From

the Prologue In *Radicals Chasing Utopia*, Jamie Bartlett, one of the world's leading thinkers on radical politics and technology, takes readers inside the strange and exciting worlds of the innovators, disrupters, idealists, and extremists who think we can do better-and believe they know how. Bartlett introduces us to some of the most influential movements today: techno-futurists questing for immortality, far-right groups seeking to close borders, militant environmentalists striving to save the planet by any means necessary, and psychedelic pioneers attempting to heal society with the help of powerful hallucinogens. The success of democratic societies hinges on our

ability to listen to-and in some cases learn from-the radical movements in our midst. Their methods may be extreme, but in chasing utopia, these groups are challenging what is possible and previewing the world to come. *High Resolution Characterization of Corrosion Process 4 Bold Type Books* "Riveting."—Science A Forbes, Physics Today, Science News, and Science Friday Best Science Book Of 2018 Cosmologist and inventor of the BICEP (Background Imaging of Cosmic Extragalactic Polarization) experiment, Brian Keating tells the inside story of the mesmerizing quest to unlock cosmology's biggest mysteries

and the human drama that ensued. We follow along on a personal journey of revelation and discovery in the publish-or-perish world of modern science, and learn that the Nobel Prize might hamper—rather than advance—scientific progress. Fortunately, Keating offers practical solutions for reform, providing a vision of a scientific future in which cosmologists may finally be able to see all the way back to the very beginning.

Teaching Epidemiology

Elsevier

The Palace of Westminster, home to Britain's Houses of Parliament, is one of the most studied buildings in the

world. What is less well known is that while Parliament was primarily a political building, when built between 1834 and 1860, it was also a place of scientific activity. The construction of Britain's legislature presents an extraordinary story in which politicians and officials laboured to make their new Parliament the most radical, modern building of its time by using the very latest scientific knowledge. Experimentalists employed the House of Commons as a chemistry

laboratory, geologists argued over the Palace's stone, natural philosophers hung meat around the building to measure air purity, and mathematicians schemed to make Parliament the first public space where every room would have electrically-controlled time. Through such dramatic projects, Edward J. Gillin redefines our understanding of the Palace of Westminster and explores the politically troublesome character of Victorian science. Plant cell wall in pathogenesis.

parasitism and symbiosis

Frontiers Media SA

It has been long assumed that following the resolution of acute injuries, traumatic brain injury represents a stable neural entity. However, there is growing evidence that a single moderate-severe brain injury may instead trigger an ongoing deteriorative process that commences sub-acutely, and occurs regardless of age. For scientists and clinicians, it is critical to examine this body of evidence and to explore its implications. Do the findings represent a neurodegenerative process or can they be

alternatively explained? What are the neural, behavioural and functional characteristics of this progressive deterioration? Such information is needed to develop treatments to prevent or mitigate decline, and to inform the clinical care of brain injured patients. Research and clinical practice are influenced by the assumption that moderate-severe TBI is non-progressive, with few studies exploring treatments to prevent progression, and rehabilitation typically concentrated in the early stages of injury. Brain injuries can never be fully prevented. However,

understanding that such progressive deterioration occurs opens a novel area of research - prevention of secondary decline - offering new possibilities for the improvement of long-term outcomes in people with traumatic brain injury.

Responsible Research and Innovation Springer

Completely revised and updated, the third edition of this bestseller discusses the concept and ongoing development of using methanol and derived dimethyl ether as a transportation fuel, energy

storage medium, and as a chemical raw material to replace fossil fuels. The contents have been expanded by 35% with new and up to date coverage on energy storage, methanol from biomass and waste products, as well as on carbon dioxide capture and recycling.

Written by the late Nobel laureate George Olah, Alain Goeppert and G. K. Surya Prakash, this is an inspiring read for anyone concerned with the major challenge posed by environmental problems including global

warming and ocean acidification due to massive increase in fossil fuel use.

The book provides a comprehensive and sustainable solution to replace fossil fuels in the long run by chemical recycling of carbon dioxide through renewable methanol utilizing alternative energy sources such as solar, wind, hydro, geothermal and nuclear. The Methanol Economy is being progressively implemented in many parts of the world. *Water, Security and U.S.*

Foreign Policy World Scientific

What exactly is impossible in this universe? The *Outsiders Guide to UFOs* is for anyone for whom the UFO thing is enduringly fascinating but bafflingly complex. It cuts out all the smoke and mirrors and focuses on core questions like what are UFOs, how long have they been around, and are they hoaxes, figments of the imagination, or real? Author James Abbott is a highly experienced researcher who

has spent years studying this timeless debate as an outsider. With no vested interests, he presents all sides of the story without fear or favour. Read about 40 of the most important UFO cases 9 official projects and reports on the subject 13 fascinatingly strange UFO characteristics 20 possible explanations for UFOs the very best photo and video evidence The Outsiders Guide to UFOs explains why there may be up to 3,000 totally inexplicable UFO sightings every year around

the world. It also discusses four mind-blowing theories about UFOs, clarifies the background, simplifies the main questions, and presents evidence and counter-evidence about the mysterious things we see in the sky. More importantly, it recommends straightforward action to settle the UFO question once and for all. Handbook of Research on Inventive Digital Tools for Collection Management and Development in Modern Libraries Cambridge University Press

This book is a printed edition of the Special Issue "Transfer Entropy" that was published in Entropy *Handbook of the Politics of the Arctic* The Electrochemical Society One of the most heartening developments in climate change mitigation in recent years has been the increasing attention paid to the principle of 'thinking globally and acting locally'. The failure of the international community to reach significant global agreements on the reduction of greenhouse gas emissions has led local governments,

environmental organisations and economic incentives cannot trigger the deep behavioural changes required to materially improve our response to climate change. Only by marshalling the forces of thousands, and eventually millions of citizens, can we manage to reach environmental sceptics, reinforce political action and create the new social norms that are sorely needed in our local, and global, response to climate change. This book will be of great relevance to scholars and policy makers with an interest in climate change politics and governance, community engagement and

sustainable development. Losing the Nobel Prize: A Story of Cosmology, Ambition, and the Perils of Science's Highest Honor Taylor & Francis South Asia has developed from a group of newly independent post-Colonial states of at most secondary importance to the wider world to its current position as a region of central strategic importance to both global economic development and world peace and stability. This Atlas highlights the global significance of South Asia in relation to economic, geopolitical and strategic interests. It provides a coherent descriptive and analytical account of the key elements of the complex societies

citizens themselves to focus increasingly on the local possibilities for action on climate change. This book analyses the strengths and weaknesses of the co-production of climate policies that take place where citizen engagement and local initiatives converge with public agencies. Case studies from Northern Europe, Australia/New Zealand and the USA reveal that traditional individualist approaches to promoting environmental behaviour epitomised by information campaigns and

that make up the region and its component countries. Illustrated with more than 100 original maps and offering concise entries on key issues, the book is structured thematically in these sections: Global Context Geographical Environments Historical Evolution of South Asia Key Issues in modern South Asia Economy and Security Designed for use in teaching undergraduate and graduate classes and seminars in geography, history, economics, anthropology, international relations, political science and the environment as well as regional courses on the South Asia, this book is also a comprehensive reference source for libraries and decision makers focusing on

South Asia. Handbook of Fibrous Materials, 2 Volumes Routledge
The cell wall is a complex structure mainly composed of cellulose microfibrils embedded in a cohesive hemicellulose and pectin matrix. Cell wall structural proteins, enzymes and their inhibitors are also essential components of plant cell walls. They are involved in the cross-link of cell wall polysaccharides, wall structure, and the perception and signaling of defense-related elicitors at the cell surface. In the outer part of the epidermal cells, the polysaccharides are coated by the cuticle, consisting of hydrophobic cutin, suberin and wax layers. Lignin, a

macromolecule composed of highly cross-linked phenolic molecules, is a major component of the secondary cell wall. The cell wall is the first cell structure on which interactions between plants and a wide range of other organisms, including insects, nematodes, pathogenic or symbiotic micro-organisms take place. It not only represents a barrier that limits access to the cellular contents that provide a rich nutrient source for pathogens but serves as a source of elicitors of plant defense responses released upon partial enzymatic degradation of wall polysaccharides during infection. Modification of the plant cell wall can also occur at the level of

plasmodesmata during virus infection as well as during abiotic stresses. The fine structure and composition of the plant cell wall as well as the regulation of its biosynthesis can thus strongly influence resistance and susceptibility to pathogens. This Research Topic provides novel insights and detailed overviews on the dynamics of the plant cell wall in plant defence, parasitism and symbiosis and describes experimental approaches to study plant cell wall modifications occurring during interaction of plants with different organisms.

The Victorian Palace of Science Routledge
Recoded City examines

alternative urban design, planning and architecture for the other 90%: namely the practice of participatory placemaking, a burgeoning practice that co-author Thomas Ermacora terms ‘recoding’. In combining bottom-up and top-down means of regenerating and rebalancing neighbourhoods affected by declining welfare or struck by disaster, this growing movement brings greater resilience. Recoded City sheds light on a new epoch in the relationship between cities and civil

society by presenting an emerging range of collaborative solutions and distributed governance models. The authors draw on their own fresh research of global pioneers forging localist design strategies, public-realm interventions and new stakeholder dynamics. As the world becomes increasingly digital and virtual, a myriad of online tools and technological options is becoming available. These give unprecedented co-creation opportunities to

communities and professionals alike, yielding the benefits of a more open – DIY – society. Because of its close engagement with people, place and local identity, the field of participatory placemaking has huge untapped potential. Responding to the challenges of the Anthropocene era, *Recoded City* is for decision-makers, developers and practitioners working globally to make better and more liveable cities.

The Rise and Fall of Carbon Emissions Trading IGI Global

This book aims to promote the study, research and applications in the design, assessment, prediction, and optimal management of life-cycle performance, safety, reliability, and risk of civil structures and infrastructure systems. The contribution in each chapter presents state-of-the-art as well as emerging applications related to key aspects of the life-cycle civil engineering field.

The chapters in this book were originally published as a special issue of *Structure and Infrastructure Engineering. Climate Change and Urban Health* Cengage AU

Dieses Handbuch erörtert den aktuellen Stand der Technik bei Faserstoffen und bietet einen breiten Überblick über deren Einsatz in Forschung und Entwicklung. Herausgeber ist ein führender Experte des Fachgebiets. Abhandlungen stammen von erfahrenen Forschern im Bereich Fasern und Textilien. Band 1 legt den Schwerpunkt auf Faserklassen, die Herstellung und Charakterisierung von Fasern. Band 2 stellt Anwendungen vor, darunter auch neue Anwendungen aus den Bereichen Energie, Umweltwissenschaften und

Gesundheitswesen. Ein hochaktuelles Fachbuch und einzigartiges Wissenskompendium für Hochschule und Industrie. Experiment Earth Routledge The Making of Low Carbon Economies looks at how more than two decades of sustained effort at climate change mitigation has resulted in a variety of new practices, rules and ways of doing things: a period of active construction of low carbon economies. From outer space observations of the carbon in tropical forests, to carbon financial reporting, and insulating solid masonry walls, these diverse things, activities and

objects are integral to how climate change has been brought into being as a problem. The book takes a fresh look at society's response to climate change by examining a diverse array of empirical sites where climate change is being made real through its incorporation into everyday lives – a process of stitching climate concerns into the discourse and practices of already existing economies, as well as creating new economies. The Making of Low Carbon Economies adds fresh insights to economic sociology and science and technology studies scholarship on the multiple origins and heterogeneous operation of markets, demonstrating the

constraints and opportunities of an economic framing of the problem of climate change. It covers the obvious (and now well-researched) topic of carbon markets, as well as new more unusual material on the low carbon reframing of already existing markets and economies.

The Chemical News and Journal of Physical Science
Routledge

This important new text on climate change, and its effects on selected non-infectious disorders of fish, contains contributions by internationally recognized experts who have

contributed significantly to our knowledge in this area. Comprehensive and thought provoking, the text details abiotic and biotic environmental changes associated with climate change and their effects on fish in tropical, subtropical and temperate waters. It proceeds to cover in detail developmental, physiological and metabolic disorders of fish.

Chemical News and Journal of Physical Science John Wiley & Sons
Leadership & Management:

Theory & Practice by Kris Cole focuses on comprehensive coverage of the core management units within the Diploma of Leadership and Management BSB51915 and Certificate IV in Leadership and Management BSB42015. This market-leading textbook provides students with rigorous information while balancing the key topics with a practical approach, through real-life case studies, examples and problem-solving techniques. It uses everyday business terms and

language, putting management in a context that makes it easy to understand for all types of learners. Leadership & Management: Theory & Practice enables students to strengthen skills in areas such as managing poor performance, being more directive, and solving problems permanently. It is noted for its application across industry sectors and different types of business.