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Nature's Experts University of Chicago Press

In 1962, when the Cold War threatened to ignite in the Cuban Missile Crisis, when more nuclear test bombs were detonated than in any other year in history, Rachel Carson released her own bombshell, *Silent Spring*, to challenge society's use of pesticides. To counter the use of chemicals--and bombs--the naturalist articulated a holistic vision. She wrote about a "web of life" that connected humans to the world around them and argued that actions taken in one place had consequences elsewhere. Thousands accepted her message, joined environmental groups, flocked to Earth Day celebrations, and lobbied for legislative regulation. Carson was not the only intellectual to offer holistic answers to society's problems. This book uncovers a sensibility in post-World War II American culture that both tested the logic of the Cold War and fed some of the twentieth century's most powerful social movements, from civil rights to environmentalism to the counterculture. The study examines important leaders and institutions that embraced and put into practice a holistic vision for a peaceful, healthful, and just world: nature writer Rachel Carson, structural engineer R. Buckminster Fuller, civil rights leader Martin Luther King Jr., Jesuit priest and paleontologist Pierre Teilhard de Chardin, humanistic psychologist Abraham Maslow, and the Esalen Institute and its founders, Michael Murphy and Dick Price. Each looked to whole systems instead of parts and focused on connections, interdependencies, and integration to create a better world. Though the '60s dreams of creating a more perfect world were tempered by economic inequalities, political corruption, and deep social divisions, this holistic sensibility continues to influence American culture today.

The Quality of Life Concept All Points Books

Antimicrobial textiles have attracted a great deal of interest in recent years due to their potential for reducing the transmission of infection in medical and healthcare environments. Antimicrobial properties can also improve the performance and lifespan of consumer products, and so these fabrics are increasingly finding applications in the wider textile and apparel industry. This book provides systematic coverage of the technologies and materials required for developing these important textiles. In Part One, chapters address key issues and technologies in the creation of antimicrobial textile products. Topics covered include testing and regulation, microencapsulation, sol-gel coating and plasma technologies, nanotechnology and life cycle assessment. Part Two then reviews key antimicrobial agents, such as N-halamines, plant based compounds and photo-active chemicals. Finally, the chapters of Part Three offer detailed reviews of antimicrobial textiles for particular important applications, including medical devices, protective clothing and products with improved durability and longevity. - Reviews key issues and technologies in the creation of antimicrobial textile products - Offered a detailed overview of by antimicrobial agents and a wide range of important applications - Produced by an experienced editor and a distinguished and international team of contributors

Holt Science and Technology 2002 Elsevier

Reviews of Environmental Contamination and Toxicology provides detailed review articles concerned with aspects of chemical contaminants, including pesticides, in the total environment with toxicological considerations and consequences.

Toolkit for Organizational Change Bloomsbury Publishing USA

During the early development and throughout the short history of green/conservation criminology, limited attention has been directed toward quantitative analyses of relevant environmental crime, law and justice concerns. While recognizing the importance of establishing a theory and terminology in the early stages of development, this book redresses this imbalance. The work features contributions that undertake empirical quantitative studies of green/conservation crime and justice issues by both conservation and green criminologists. The collection highlights the shared concerns of these groups within important forms of ecological crime and victimization, and illustrates the ways in which these approaches can be undertaken quantitatively. It includes quantitative conservation/green criminological studies that represent the work of both well-established scholars in these fields, along with studies by scholars whose works are less well-known and who are also contributing to shaping this area of research. The book presents a

valuable contribution to the areas of Green and Conservation Criminology. It will appeal to academics and students working in these areas.

Encyclopedia of Geography Routledge

First published in 1980. The purpose of this volume is to widen, stimulate, and inform the growing debate surrounding the application of social psychological knowledge. It includes the history of applied social psychology and follow the changing nature of definitions of both applied and basic issues.

The Affect [sic] of a Nonformal Physics Education Environment on Concept Formation, Student Attitude and Motivation Springer Science & Business Media

Biology education, like science education in general, is in the midst of a revolution that is worldwide in scope. The changes in the ways science education researchers think about learning and understanding represent a major paradigm shift. In this book, international leaders in the field of biology education research give summaries of problems and solutions in biology learning and teaching at various grade levels. Based on a NATO workshop in the Special Programme on Advanced Educational Technology, it provides practical information for teachers, especially in using new interactive, constructivist teaching methods. For science education researchers, it offers a concise summary of a number of research issues in biology education.

Experiencing the Environment Routledge

Named one of Vulture's Top 10 Best Books of 2020! Leftist firebrand Fredrik deBoer exposes the lie at the heart of our educational system and demands top-to-bottom reform. Everyone agrees that education is the key to creating a more just and equal world, and that our schools are broken and failing. Proposed reforms variously target incompetent teachers, corrupt union practices, or outdated curricula, but no one acknowledges a scientifically-proven fact that we all understand intuitively: Academic potential varies between individuals, and cannot be dramatically improved. In *The Cult of Smart*, educator and outspoken leftist Fredrik deBoer exposes this omission as the central flaw of our entire society, which has created and perpetuated an unjust class structure based on intellectual ability. Since cognitive talent varies from person to person, our education system can never create equal opportunity for all. Instead, it teaches our children that hierarchy and competition are natural, and that human value should be based on intelligence. These ideas are counter to everything that the left believes, but until they acknowledge the existence of individual cognitive differences, progressives remain complicit in keeping the status quo in place. This passionate, voice-driven manifesto demands that we embrace a new goal for education: equality of outcomes. We must create a world that has a place for everyone, not just the academically talented. But we'll never achieve this dream until the *Cult of Smart* is destroyed.

Applied Environmental Genomics Springer Nature

Comprehensive resource describing the fundamentals, synthesis, and commercial applications of photocatalysts and electrocatalysts in water decontamination. Photocatalysts and Electrocatalysts in Water Remediation introduces the fundamentals of both photo- and electro-catalysts and highlights the potentials of photo- and electro-catalysis towards water decontamination, covering strategies to improve photo- and electro-catalytic efficacies, functions of photo- and electro-catalysts and involved chemical reactions, and challenges and recent developments in the field, with additional discussion of both lab-scale and commercial-scale materials and processes. As a forward-thinking resource, the text also discusses the scope of further research on photo-, electro- and electrophoto-catalysts. Edited by three highly qualified professionals, with significant experience in the field, the text is further enriched with critically analyzed and expertly opined contributions from several well-known researchers around the world. In *Photocatalysts and Electrocatalysts in Water Remediation*, readers can expect to find information on: Fundamentals and functional mechanisms of photocatalysis in water treatment and different synthetic routes and band gap engineering of photocatalysts Photocatalytic decontamination of organic pollutants from water and photocatalytic removal of heavy metal ions from water Smart photocatalysts in water remediation Fundamentals and functional mechanisms of electrocatalysis in water treatment Electrocatalytic degradation of organic pollutants and removal of heavy metal ions from water Different synthetic routes of electrocatalysts and fabrication of electrodes and combined electro-photocatalytic techniques in water remediation Photocatalysts and Electrocatalysts in Water Remediation serves as one of the most comprehensive and authoritative literature that has ever been published in this field and is a thoroughly complete source of information on the subject for researchers across a myriad of disciplines along with water industry professionals.

Quantitative Studies in Green and Conservation Criminology

Routledge

In October 1975, while the United States was still acutely feeling the aftermath of the 1973 Arab Oil Embargo, the General Motors Research Laboratories held its nineteenth annual symposium. The proceedings of this timely symposium on "Future Automotive Fuels - Prospects, Performance, and Perspective" are reported in this book. We hope that it will serve not only as a permanent record of the papers and discussions, but also as a stimulus and inspiration for ideas, research, and development in the vital field of automotive fuels. The economy of the United States and the lifestyle of her people are woven together with energy into a unique fabric. Reducing the energy content of this fabric weakens it and can even destroy it. The Oil Embargo stunningly demonstrated how easy it is to attack this fabric, and exposed for all to see its greatest weakness--reliance on imported petroleum. Since petroleum is the only current source of automotive fuels, and cars and trucks consume about 43 percent of the petroleum used in the United States, the Oil Embargo had its most profound and dramatic on automotive transportation: First there were long lines at service stations, impact and then idle lines in car assembly plants and long lines at unemployment offices. Against this grim setting, we planned the symposium on automotive fuels for the future.

Knowledge Acquisition, Organization, and Use in Biology Springer Science & Business Media

"The assessment builds on the work of the Livestock, Environment and Development (LEAD) Initiative"--Pref.

Ecosystem Services Psychology Press

DNA is the essence of life and the original 'big data'. New technologies are allowing scientists to access and make sense of this information like never before, and they are using it to solve the world's greatest environmental challenges. Applied Environmental Genomics synthesises the latest and most exciting uses of genomic technologies for environmental science and management. With an emphasis on diversity of applications and real-world demonstrations, leading researchers have contributed detailed chapters on innovative approaches to obtaining critical management-relevant information about the natural world. These chapters are complemented by perspective sections written by environmental managers who describe their experiences using genomics to support evidence-based decisions. Ideal for students, researchers and professionals working in natural resource management and policy, Applied Environmental Genomics is a comprehensive introduction to a fast-moving field that is transforming the practice of environmental management, with profound relevance to industry, government and the public.

Security and Environment in the Mediterranean Springer Science & Business Media

Hybrid Organisations – that integrate competing organisational principles – have become a preferred means of tackling the complexity of today's societal problems. One familiar set of examples are organisations that combine significant features from market, public and third sector organisations. Many different groundbreaking approaches to hybridity are contained in this Handbook, which brings together a collection of empirical studies from an international body of scholars. The chapters analyse and theorise the position of hybrid organisations and have important implications for theory, practice and policy in a context of proliferating hybrid forms of organisation.

A More Perfect Union Springer Science & Business Media
Organizations are increasingly recognizing the importance of sustainability and responsibility. They are challenged to develop a holistic approach to value creation that reconciles economic, social, and environmental goals. This book describes how knowledge can facilitate this process and amplifies the idea of knowledge management to strategically serve multiple stakeholders in a sustainable and responsible way. In particular, the book introduces the concept of the "Need Knowledge-Driven Organization." It builds on mature research on organizational purpose, stakeholder theory, and phronesis, and advances the concept of "needs." This provides a new lens for understanding the sustainable and responsible business case: First, people are motivated by their needs, and organizations represent social structures that facilitate the satisfaction of shared needs. Second, needs reflect and combine social, environmental, and economic concerns, making sustainability and responsibility more realizable for practitioners. And third, needs provide a reference point for holistic value creation

and can thus align knowledge processes and structures in organizations.

The Science and Art of Sensory Processing Sensitivity SAGE Publications

The purpose of this volume is to explore theory, problem formulation, and methodology in "experiencing the environment." In this embryonic field, the writings of a number of individuals already stand out as representative of distinctive viewpoints. In order to facilitate further development of the field, a conference was proposed to gather in one place representatives of a number of major viewpoints with regard to the embryonic field of "environmental psychology." It was hoped that a colloquy among such representatives would facilitate a clarification of the similarities and differences between the various perspectives, and might enable proponents of any given point of view to benefit from the insights of others with different orientations. Hopefully, it might also promote a greater articulation for this emerging field of inquiry. With these ends in mind, the sponsors of the conference asked the various prospective participants to present their theoretical positions and representative research illustrative of those positions. Some of the perspectives represented at the conference emphasized the point that the construal of phenomena depends heavily on the values and needs of perceivers. Implicit in this kind of position is the thesis that anyone who seeks to describe a complex happening is likely to shape it in terms of presuppositions, biases, etc., that may not be shared by others.

Advances in Applied Social Psychology Holt Rinehart Winston
As human populations grow, so do the resource demands imposed on ecosystems, and the impacts of anthropogenic use and abuse are becoming ever more apparent. This has led to the development of the concept of ecosystem services, which describes the beneficial functions provided by ecosystems for human society. Ecosystem services are limited and hence threatened by over-exploitation, and there is an urgent imperative to evaluate trade-offs between immediate and long-term human needs and to take action to protect biodiversity, which is a key factor in delivering ecosystem services. To help inform decision-makers, economic value is increasingly being associated with many ecosystem services and is often based on the replacement with anthropogenic alternatives. The on-going challenges of maintaining sustainable ecosystems and prescribing economic value to nature is prompting multi-disciplinary shifts in how we recognise and manage the environment. This volume brings together emerging topics in environmental science, making an excellent source for policy makers and environmental consultants working in the field or related areas. Ecosystem Services also serves as a concise and referenced primer for advanced students and researchers in environmental science and management.

Knowledge Management and Sustainable Value Creation

Rutgers University Press

Fitzsimmons "examines the science, philosophy, and law of ecosystems management and shows how efforts to make federal protection of ecosystems the centerpiece of national environmental policy are driven by religious veneration of Mother Earth wrapped in a veil of weak science."

Falter EOLSS Publications

This text is designed to assist students understand, plan, evaluate and implement effective change. It bridges current organizational change theory with practical applications through exercises.

Handbook on Hybrid Organisations Princeton

University Press

In this volume security specialists, peace researchers, environmental scholars, demographers as well as climate, desertification, water, food and urbanisation specialists from the Middle East and North Africa, Europe and North America review security and conflict prevention in the Mediterranean. They also analyse NATO's Mediterranean security dialogue and offer conceptualisations on security and perceptions of security challenges as seen in North and South. The latter half of the book analyses environmental security and conflicts in the Mediterranean and environmental consequences of World War II, the Gulf War, the Balkan wars and the Middle East conflict. It also examines factors of global environmental change: population growth, climate change, desertification, water scarcity, food and urbanisation issues as well as natural disasters. Furthermore, it draws conceptual conclusions for a fourth phase of research on human and environmental security and peace as well as policy conclusions for cooperation and partnership in the Mediterranean in the 21st century.

Sustainability Appraisal Routledge

The Routledge International Encyclopedia of Sport and Exercise Psychology integrates the topics of motor control, physical education, exercise, adventure, performance in sports, and the performing arts, in several important ways and contexts, drawing upon diverse cultural perspectives. More than 90 overarching topics have been systematically developed by internationally renowned experts in theory, research, and practice. Each contribution delves into a thematic area with more nuanced vocabulary. The terminology drawn upon integrates traditional discourse and

emerging topic matter into a state-of-the-art two-volume set. Volume 1: Theoretical and Methodological Concepts is comprised of theoretical topic matter, spanning theories and terminology from psychology contextualized to sport and physical activity, sport psychology-focused theories, and expansive discussions related to philosophy of science and methodology. Volume 2: Applied and Practical Measures draws upon practical concepts that bridge theory and research and practice. Broader issues that extend beyond sport and physical activity participants are embedded within the entries, intended to augment physical, mental, and social well-being. This expansive encyclopedia is a must-have resource for all professionals, scholars, and students in the fields of sport psychology and sport science.

Circular Economy CSIRO PUBLISHING

"Holt Biology: Student Edition 2008"--