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Includes more than 100 maps, plans and illustrations. "This monograph is more than the story of Marine expeditionary operations in Afghanistan. It describes who our nation's enemies are; how America became involved in the Global War on Terrorism; and how the Marine Corps struggled to acquire a major role in Operation Enduring Freedom, as well as the actions of Marines and sailors who helped prosecute the air and ground campaigns against Taliban and al-Qaeda forces."— Dr. Charles P. Neimeyer, Director of Marine Corps History

This open access book explores the global challenges and experiences related to digital entrepreneurial activities, using carefully selected examples from leading companies and economies that shape world business today and tomorrow. Digital entrepreneurship and the companies steering it have an enormous global impact; they promise to transform the business world and change the way we communicate with each other. These companies use digitalization and artificial intelligence to enhance the quality of decisions and augment their business and customer operations. This book demonstrates how cloud services are continuing to evolve; how cryptocurrencies are traded in the banking industry; how platforms are created to commercialize business, and how, taken together, these developments provide new opportunities in the digitalized era. Further, it discusses a wide range of digital factors changing the way businesses operate, including artificial intelligence, chatbots, voice search, augmented and virtual reality, as well as cyber threats and data privacy management. "Digitalization mirrors the Industrial Revolution's impact. This book provides a complement of perspectives on the opportunities emanating from such a deep seated change in our economy. It is a comprehensive collection of thought leadership mapped into a very useful framework. Scholars, digital entrepreneurs and practitioners will benefit from this timely work." Gina O'Connor, Professor of Innovation Management at Babson College, USA "This book defines and delineates the requirements for companies to enable their businesses to succeed in a post-COVID19 world. This book deftly examines how to accomplish and achieve digital entrepreneurship by leveraging cloud computing, AI, IoT and other critical technologies. This is truly a unique "must-read" book because it goes beyond theory and provides practical examples." Charlie Isaacs, CTO of Customer Connection at Salesforce.com, USA "This book provides digital entrepreneurs useful guidance identifying, validating and building their venture. The international authors developed new perspectives on digital entrepreneurship that can support to create impact ventures." Felix Staeritz, CEO FoundersLane, Member of the World Economic Forum Digital Leaders Board and bestselling author of FightBack, Germany

Bringing together leading conservation scholars and professionals from around the world, this volume offers a timely look at values-based approaches to heritage management. Over the last fifty years, conservation professionals have confronted increasingly complex political, economic, and cultural dynamics. This volume, with contributions by leading international practitioners and scholars, reviews how values-based methods have come to influence conservation, takes stock of emerging approaches to values in heritage practice and policy, identifies common challenges and related spheres of knowledge, and proposes specific areas in which the development of new approaches and future research may help advance the field.

Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

Amateur Radio

The use of membranes is increasing throughout industry, and particularly the water industry. The municipal water industry, which is concerned with the provision of clean drinking water to the population, is a big user and developer of membrane technology which helps it to provide water free of pathogens, chemicals, odours and unwanted tastes. Municipal authorities also have to process sewage and waste water, and membranes are used extensively in these processes. The MBR Book covers all important aspects of Membrane BioReactors in water and waste water treatment, from the fundamentals of the processes via design principles to MBR technologies. Industrial case studies help interpret actual results and give pointers for best practice. Useful appendices provide data on commercial membranes and international membrane organisations. * Major growth area in the water industries * Internationally-known author * Principles and practice, backed by case studies

Between the 1880s and 1980s, British excavations at locations across Egypt resulted in the discovery of hundreds of thousands of ancient objects that were subsequently sent to some 350 institutions worldwide. These finds included unique discoveries at iconic sites such as the tombs of ancient Egypt's first rulers at Abydos, Akhenaten and Nefertiti's city of Tell el-Amarna and rich Roman Era burials in the Fayum. *Scattered Finds* explores the politics, personalities and social histories that linked fieldwork in Egypt with the varied organizations around the world that received finds. Case studies range from Victorian municipal museums and women's suffrage campaigns in the UK, to the development of some of the USA's largest institutions, and from university museums in Japan to new institutions in post-independence Ghana. By juxtaposing a diversity of sites for the reception of Egyptian cultural heritage over the period of a century, Alice Stevenson presents new ideas about the development of archaeology, museums and the construction of Egyptian heritage. She also addresses the legacy of these practices, raises questions about the nature of the authority over such heritage today, and argues for a stronger ethical commitment to its stewardship. Praise for *Scattered Finds* 'Scattered Finds is a remarkable achievement. In charting how British excavations in Egypt dispersed artefacts around the globe, at an unprecedented scale, Alice Stevenson shows us how ancient objects created knowledge about the past while firmly anchored in the present. No one who reads this timely book will be able to look at an Egyptian antiquity in the same way again.' Professor Christina Riggs, UEA

The international multi-topic conference IMTIC 2008 was held in Pakistan during April 11–12, 2008. It was a joint venture between Mehran University, Jamshoro, Sindh and Aalborg University, Esbjerg, Denmark. Apart from the two-day main event, two workshops were also held: the Workshop on Creating Social Semantic Web 2.0 Information Spaces and the Workshop on Wireless Sensor Networks. Two hundred participants registered for the main conference from 24 countries and 43 papers were presented; the two workshops had overwhelming support and over 400 delegates registered. IMTIC 2008 served as a platform for international scientists and the engineering community in general, and in particular for local scientists and the engineering community

to share and cooperate in various fields of interest. The topics presented had a reasonable balance between theory and practice in multidisciplinary topics. The conference also had excellent topics covered by the keynote speeches keeping in view the local requirements, which served as a stimulus for students as well as experienced participants. The Program Committee and various other committees were experts in their areas and each paper went through a double-blind peer review process. The conference received 135 submissions of which only 46 papers were selected for presentation: an acceptance rate of 34%.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Artificial Intelligence: Structures and Strategies for Complex Problem Solving is ideal for a one- or two-semester undergraduate course on AI. In this accessible, comprehensive text, George Luger captures the essence of artificial intelligence—solving the complex problems that arise wherever computer technology is applied. Ideal for an undergraduate course in AI, the Sixth Edition presents the fundamental concepts of the discipline first then goes into detail with the practical information necessary to implement the algorithms and strategies discussed. Readers learn how to use a number of different software tools and techniques to address the many challenges faced by today's computer scientists.

A guidebook for digitization of American libraries, archives and museums focusing on copyright issues.

The 2010 Asian Conference on Intelligent Information and Database Systems (ACIIDS) was the second event of the series of international scientific conferences for research and applications in the field of intelligent information and database systems. The aim of ACIIDS 2010 was to provide an international forum for scientific research in the technologies and applications of intelligent information, database systems and their applications. ACIIDS 2010 was co-organized by Hue University (Vietnam) and Wroclaw University of Technology (Poland) and took place in Hue city (Vietnam) during March 24–26, 2010. We received almost 330 papers from 35 countries. Each paper was peer reviewed by at least two members of the International Program Committee and International Reviewer Board. Only 96 best papers were selected for oral presentation and publication in the two volumes of the ACIIDS 2010 proceedings. The papers included in the proceedings cover the following topics: artificial social systems, case studies and reports on deployments, collaborative learning, collaborative systems and applications, data warehousing and data mining, database management technologies, database models and query languages, database security and integrity, - business, e-commerce, e-finance, e-learning systems, information modeling and - requirements engineering, information retrieval systems, intelligent agents and multi-agent systems, intelligent information systems, intelligent internet systems, intelligent optimization techniques, object-relational DBMS, ontologies and information sharing, semi-structured and XML database systems, unified modeling language and unified processes, Web services and Semantic Web, computer networks and communication systems.

This book features a diverse set of perspectives all focused towards questioning the role schools actually play in society and, more importantly, the role they could potentially play. Containing papers presented at the 1st International Conference on Reimagining Schooling which took place in Thessaloniki, Greece, June 2013, bringing together international and multi-disciplinary perspectives on the future of education and schools. Combines diverse specialties analyzing schools as organizations and questions the purpose of schools. The book explores the current purpose of schooling and debates what roles and values young people currently learn from schooling. It examines such issues as the impact of Neoliberalism, the pursuit of the socially just school, and imagining contemporary schools beyond their consumerist mentality. Tackling development in the growing economic and social crisis in Europe, and offering transformative analysis of the psychology and decision-making involved for innovating teaching, learning, socio-economic and policy contexts. In addition, the book shows different ways young people can be creatively involved in reimagining schooling. It also details both innovative and radical ideas that currently exist about school transformation such as building learning partnerships for all and creating synergies across formal and informal settings of learning. Raising important questions for the future of the relationship between teacher and pupil and positive and pro-active behavior. There is a growing realization that schools fail to accommodate diverse types of learning and that their purpose is not simply about education. Featuring academics and practitioners from many different disciplines, this book boldly questions the values that currently permeate school walls and suggests ways that schooling itself can be made better.

This Dictionary covers information and communication technology (ICT), including hardware and software; information networks, including the Internet and the World Wide Web; automatic control; and ICT-related computer-aided fields. The Dictionary also lists abbreviated names of relevant organizations, conferences, symposia and workshops. This reference is important for all practitioners and users in the areas mentioned above, and those who consult or write technical material. This Second Edition contains 10,000 new entries, for a total of 33,000.

"Pass the 50-question Extra Class test; all the exam questions with answer key, for use beginning July 1, 2008 to June 30, 2012; detailed explanations for all questions including FCC rules"--Cover.

Accelerated Aging: Photochemical and Thermal Aspects represents the culmination of more than 40 years of research by noted scientist Robert L. Feller. The book focuses on the long-term performance of materials such as wool, dyes, and organic compounds; their resistance to change when exposed to environmental factors such as oxygen, ozone, moisture, heat, and light; and their physical durability with handling and use over time. Processes of deterioration are discussed based on speeded-up laboratory studies designed to clarify the chemical reactions involved and their physical consequences.

The Manual of Strategic Planning for Cultural Organizations adopts a holistic approach to the creative world of cultural institutions. By encompassing museums, art galleries, gardens, zoos, science centers, historic sites, cultural centers, festivals, and performing arts, this book responds to the reality that boundaries are being blurred among institutional types—with many gardens incorporating exhibitions, many museums part of multidisciplinary cultural centers and festivals. As cultural leaders transform the arts in the twenty-first century, this “whole career” manual will prepare readers for every stage. Three key areas covered are: Leadership change. This chapter explains the role of strategic planning when an institution is going through the process of hiring a new director. A question we are frequently asked is “Should the strategic plan precede the search process or should it wait until the new director takes up the position?” Institutional change. Increasingly, cultural organizations are going through major change: from public-sector agencies to nonprofit corporations; from private ownership to nonprofit status; from nonprofit status to a foundation, and many other variations. This book addresses the role of strategic planning during these transitions. Staff empowerment. This manual addresses the opportunities for

staff at all levels to grow by participating in strategic planning. This edition focuses on how to engage and empower staff. A Guide for Museums, Performing Arts, Science Centers, Public Gardens, Heritage Sites, Libraries, Archives, and Zoos is a game-changing book with broad reach into the cultural sector, while still serving the museum community.

Building on the foundation set in Volume I—a landmark synthesis of research in the field—Volume II is a comprehensive, state-of-the-art new volume highlighting new and emerging research perspectives. The contributors, all experts in their research areas, represent the international and gender diversity in the science education research community. The volume is organized around six themes: theory and methods of science education research; science learning; culture, gender, and society and science learning; science teaching; curriculum and assessment in science; science teacher education. Each chapter presents an integrative review of the research on the topic it addresses—pulling together the existing research, working to understand the historical trends and patterns in that body of scholarship, describing how the issue is conceptualized within the literature, how methods and theories have shaped the outcomes of the research, and where the strengths, weaknesses, and gaps are in the literature. Providing guidance to science education faculty and graduate students and leading to new insights and directions for future research, the Handbook of Research on Science Education, Volume II is an essential resource for the entire science education community.

This book includes useful tips and tricks for the configuration and operation of the fabulous Icom IC-7300 transceiver. Rather than duplicate the manuals which describe each button, function, and control, I have used a more functional approach. This is a "how to do it" book with easy to follow step by step instructions. The IC-7300 has created something of a revolution in the amateur radio world. With this radio, Icom provides the advantages of SDR technology in a format that is familiar for users of their earlier transceivers. Most importantly the IC-7300 has many features that were previously only available on much more expensive radios.

Your how-to guide to become a ham Ham radio, or amateur radio, is a way to talk with people around the world in real-time, or to send email without any sort of internet connection. It provides a way to keep in touch with friends and family, whether they are across town or across the country. It is also a very important emergency communication system. When cell phones, landlines, the internet, and other systems are down or overloaded, Amateur Radio still gets the message through. Radio amateurs, often called "hams," enjoy radio technology as a hobby, but are often called upon to provide vital service when regular communications systems fail. Ham Radio For Dummies is your guide to everything there is to know about ham radio. Plus, this updated edition provides new and additional information on digital mode operating, as well as use of amateur radio in student science and new operating events. • Set up your radio station • Design your ham shack • Provide support in emergencies and communicate with other hams • Study for the licensing exam and choose your call sign If you're looking to join a college radio club or just want to learn the latest tips and tricks, this book is a helpful reference guide to beginners, or those who have been "hams" for years.

In the decade since the introduction of the first commercial lithium-ion battery research and development on virtually every aspect of the chemistry and engineering of these systems has proceeded at unprecedented levels. This book is a snapshot of the state-of-the-art and where the work is going in the near future. The book is intended not only for researchers, but also for engineers and users of lithium-ion batteries which are found in virtually every type of portable electronic product.

No publisher description provided for this product.

This updated version of the first edition examines the strength and deformation behaviour of riveted and bolted structural connectors and the joints in which they are used. From the foreword: "The present volume, Vanguard of Valor II, offers six accounts of US Soldiers at the tip of the spear during the Afghan campaign. The Combat Studies Institute's Vanguard of Valor series is intended to document small unit actions in Afghanistan. These books play an equally important role by offering insights to Soldiers who may find themselves in the years ahead under similar conditions, whether in Afghanistan or in some other troubled land where they have been deployed to conduct the dangerous business of defending the national interest in a theater of war."

The ARRL Operating Manual for Radio Amateurs American Radio Relay League Ham Radio For Dummies John Wiley & Sons

This book describes, in step-by-step, illustrated detail, how to set up and run a clandestine drug lab -- without getting caught! Jack B. Nimble reveals how to select a location, discusses safety precautions -- including how and when to shut down -- and gives advice on covering your tracks. Sold for informational purposes only!

HAm Radio collecting and history.

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