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Official Gazette of the United States Patent and Trademark Office International Classification of Functioning, Disability, and Health *Tony Northrup's Photography Buying Guide* **Toward Universal Health Coverage and Equity in Latin America and the Caribbean** Global Value Chains in a Changing World *Unseen Liability* **Bacterial Biofilms** Hearing Voices, Demonic and Divine **Gerontological Nursing: Competencies for Care** My Summer Adventures Methods in Mind Building the Case for Health Literacy *Journal of Refractive Surgery* *Negative Ions, Beams and Sources* Ventilator-Induced Lung Injury *Complications of Cirrhosis* **A Tiger in the Kitchen** **An Automatic Cell Counter** **Frequency Selective Surfaces** **Neurobiology of Decision-Making** **Ophthalmology and the Ageing Society** *Molecular Gerontology* **Disruptive Mood** *Interstitial Brachytherapy* *An Introduction to Seismology, Earthquakes, and Earth Structure* The Anthropology of Christianity Monitoring the Nervous System for Anesthesiologists and Other Health Care Professionals *Functional Neuroimaging* *Ocular Surface Disorders* **Blackbody Radiometry** **Microtimes** **Liver Immunology** *Pancreatic Islet Biology* **The Story of Sushi** *LED Lighting for Urban Agriculture* **The Bacterial Nucleoid: Methods and Protocols** **Hi-C Data Analysis** **The Role of the Media in Promoting and Reducing Tobacco Use** **Ultrasound: The Requisites** **Alzheimer's in America**

Hearing Voices, Demonic and Divine Jul 16 2022 The Open Access version of this book, available at www.taylorfrancis.com/books/9781472453983, has been made available under a Creative Commons Attribution-Non Commercial-No Derivative 4.0 license. Experiences of hearing the voice of God (or angels, demons, or other spiritual beings) have generally been understood either as religious experiences or else as a feature of mental illness. Some critics of traditional religious faith have dismissed the visions and voices attributed to biblical characters and saints as evidence of mental disorder. However, it is now known that many ordinary people, with no other evidence of mental disorder, also hear voices and that these voices not infrequently include spiritual or religious content. Psychological and interdisciplinary research has shed a revealing light on these experiences in recent years, so that we now know much more about the phenomenon of "hearing voices" than ever before. The present work considers biblical, historical, and scientific accounts of spiritual and mystical experiences of voice hearing in the Christian tradition in order to explore how some voices may be understood theologically as revelatory. It is proposed that in the incarnation, Christian faith finds both an understanding of what it is to be fully human (a theological anthropology), and God's perfect self-disclosure (revelation). Within such an understanding, revelatory voices represent a key point of interpersonal encounter between human beings and God.

The Role of the Media in Promoting and Reducing Tobacco Use Dec 17 2019 The National Institutes of Health Publication 07-6242, *The Role of the Media in Promoting and Reducing Tobacco Use*, NCI Tobacco Control Monograph 19, (the 19th of the Tobacco Control Monograph series of the National Cancer Institute (NCI) provides a critical, scientific review and synthesis of current evidence regarding the power of the media both to encourage and discourage tobacco use. The work presented is the most current and comprehensive distillation of the scientific literature on media communications in tobacco promotion and tobacco control. The six main parts of this monograph deal with aspects of media communications relevant to tobacco promotion and tobacco control. Part 1, an overview, frames the rationale for the monograph's organization and presents the key issues and conclusions of the research as a whole and of the individual chapters. This section describes media research theories that guided this assessment of the relationship between media and tobacco use, which can be viewed as a multilevel issue ranging from consumer-level advertising and promotion to stakeholder-level marketing aimed toward retailers, policymakers, and others. Part 2 further explores tobacco marketing—the range of media interventions used by the tobacco industry to promote its products, such as brand

advertising and promotion, as well as corporate sponsorship and advertising. This section also evaluates the evidence for the influence of tobacco marketing on smoking behavior and discusses regulatory and constitutional issues related to marketing restrictions. Part 3 explores how both the tobacco control community and the tobacco industry have used news and entertainment media to advocate their positions and how such coverage relates to tobacco use and tobacco policy change. The section also appraises evidence of the influence of tobacco use in movies on youth smoking initiation. Part 4 focuses on tobacco control media interventions and the strategies, themes, and communication designs intended to prevent tobacco use or encourage cessation, including opportunities for new media interventions. This section also synthesizes evidence on the effectiveness of mass media campaigns in reducing smoking. Part 5 discusses tobacco industry efforts to diminish media interventions by the tobacco control community and to use the media to oppose state tobacco control ballot initiatives and referenda. Finally, Part 6 examines possible future directions in the use of media to promote or to control tobacco use and summarizes research needs and opportunities. Key lessons from this volume can inform policymakers as well as scientists and practitioners. Most critical from a policy standpoint is the conclusion, supported by strong evidence, that both exposure to tobacco marketing and depictions of tobacco in movies promote smoking initiation. In the United States in 2005—the same year in which 2.7 million American adolescents aged 12 to 17 used cigarettes in the past month¹ and 438,000 Americans died prematurely from diseases caused by tobacco use or secondhand smoke exposure²—the tobacco industry spent \$13.5 billion (in 2006 dollars) on cigarette advertising and promotion,³ an average of \$37 million per day. The tobacco industry continues to succeed in overcoming partial restrictions on tobacco marketing in the United States, and tobacco marketing remains pervasive and effective in promoting tobacco use. Efforts to curb the depiction of tobacco use in movies have increased in recent years, and the evidence reviewed here indicates that progress in this area could be expected to translate into lower rates of youth smoking initiation in the future. Strong evidence indicates that media campaigns can reduce tobacco use. This volume highlights the complexities of assessing the media's influence on tobacco-related attitudes and behavior. A vast range of research is reviewed.~

Ultrasound: The Requisites Nov 15 2019 This bestselling volume in The RequisitesT Series provides a comprehensive introduction to timely ultrasound concepts, ensuring quick access to all the essential tools for the effective practice of ultrasonography. Comprehensive yet concise, Ultrasound covers everything from basic principles to advanced state-of-the-art techniques. This title perfectly fulfills the career-long learning, maintenance of competence, reference, and review needs of residents, fellows, and practicing physicians. Covers the spectrum of ultrasound use for general, vascular, obstetric, and gynecologic imaging. Fully illustrated design includes numerous side-by-side correlative images. Written at a level ideal for residents seeking an understanding of the basics, or for practitioners interested in lifelong learning and maintenance of competence. Extensive boxes and tables highlight differential diagnoses and summarize findings. "Key Features" boxes offer a review of key information at the end of each chapter. Explore extensively updated and expanded content on important topics such as practical physics and image optimization, the thyroid, salivary glands, bowel, musculoskeletal system, cervical nodal disease, ectopic pregnancy, early pregnancy failure, management of asymptomatic adnexal cysts, practice guidelines - and a new chapter on fetal chromosome abnormalities. Visualize the complete spectrum of diseases with many new and expanded figures of anatomy and pathology, additional correlative imaging, and new schematics demonstrating important concepts and findings. Further enhance your understanding with visual guidance from the accompanying electronic version, which features over 600 additional figures and more than 350 real-time ultrasound videos. Expert Consult eBook version included with purchase. The enhanced eBook experience allows you to view the additional images and video segments and access all of the text, figures, and suggested readings on a variety of devices.

Official Gazette of the United States Patent and Trademark Office Feb 23 2023

Ophthalmology and the Ageing Society Jun 03 2021 The ageing of the world's population is one of the major achievements of modern society. By 2050, an estimated 2 billion people will be aged 60 years or over. However, ageing poses major challenges and this is especially true for the field of ophthalmology, given that the major eye diseases – age-related macular degeneration, glaucoma, and cataract – predominantly affect the elderly. The challenges facing ophthalmology in an ageing society have not previously been addressed in a comprehensive way, although there are common denominators of the various eye diseases that affect the elderly. This book provides such a comprehensive overview encompassing epidemiology, risk factors, current treatment and prophylaxis,

disability, co-morbidity, and the impact on quality of life. World leaders in their respective fields provide state-of-the-art knowledge on the geriatric aspects of ophthalmology that will help to improve the management of this growing patient population.

Global Value Chains in a Changing World Oct 19 2022 A collection of papers by some of the world's leading specialists on global value chains (GVCs). It examines how GVCs have evolved and the challenges they face in a rapidly changing world. The approach is multi-disciplinary, with contributions from economists, political scientists, supply chain management specialists, practitioners and policy-makers. Co-published with the Fung Global Institute and the Temasek

Bacterial Biofilms Aug 17 2022 Throughout the biological world, bacteria thrive predominantly in surface-attached, matrix-enclosed, multicellular communities or biofilms, as opposed to isolated planktonic cells. This choice of lifestyle is not trivial, as it involves major shifts in the use of genetic information and cellular energy, and has profound consequences for bacterial physiology and survival. Growth within a biofilm can thwart immune function and antibiotic therapy and thereby complicate the treatment of infectious diseases, especially chronic and foreign device-associated infections. Modern studies of many important biofilms have advanced well beyond the descriptive stage, and have begun to provide molecular details of the structural, biochemical, and genetic processes that drive biofilm formation and its dispersion. There is much diversity in the details of biofilm development among various species, but there are also commonalities. In most species, environmental and nutritional conditions greatly influence biofilm development. Similar kinds of adhesive molecules often promote biofilm formation in diverse species. Signaling and regulatory processes that drive biofilm development are often conserved, especially among related bacteria. Knowledge of such processes holds great promise for efforts to control biofilm growth and combat biofilm-associated infections. This volume focuses on the biology of biofilms that affect human disease, although it is by no means comprehensive. It opens with chapters that provide the reader with current perspectives on biofilm development, physiology, environmental, and regulatory effects, the role of quorum sensing, and resistance/phenotypic persistence to antimicrobial agents during biofilm growth.

LED Lighting for Urban Agriculture Mar 20 2020 This book focuses on light-emitting diode (LED) lighting, mainly for the commercial production of horticultural crops in plant factories and greenhouses with controlled environments, giving special attention to: 1) plant growth and development as affected by the light environment; and 2) business and technological opportunities and challenges with regard to LEDs. The book contains more than 30 chapters grouped into seven parts: 1) overview of controlled-environment agriculture and its significance; 2) the effects of ambient light on plant growth and development; 3) optical and physiological characteristics of plant leaves and canopies; 4) greenhouse crop production with supplemental LED lighting; 5) effects of light quality on plant physiology and morphology; 6) current status of commercial plant factories under LED lighting; and 7) basics of LEDs and LED lighting for plant cultivation. LED lighting for urban agriculture in the forthcoming decades will not be just an advanced form of current urban agriculture. It will be largely based on two fields: One is a new paradigm and rapidly advancing concepts, global technologies for LEDs, information and communication technology, renewable energy, and related expertise and their methodologies; the other is basic science and technology that should not change for the next several decades.

Consideration should be given now to future urban agriculture based on those two fields. The tremendous potentials of LED lighting for urban agriculture are stimulating many people in various fields including researchers, businesspeople, policy makers, educators, students, community developers, architects, designers, and entrepreneurs. Readers of this book will understand the principle, concept, design, operation, social roles, pros and cons, costs and benefits of LED lighting for urban agriculture, and its possibilities and challenges for solving local as well as global agricultural, environmental, and social issues.

Neurobiology of Decision-Making Jul 04 2021 Neuroscience has paid only little attention to decision-making for many years. Although no field of science has cohered around this topic, a variety of researchers in different areas of neuroscience ranging from cellular physiology to neuropsychology and computational neuroscience have been engaged in working on this issue. Thus, the time seemed to be ripe to bring these researchers together and discuss the state of the art of the neurobiology of decision-making in a broad forum. This book is a collection of contributions presented at that forum in Paris in October 1994 organized by the Fondation IPSSEN.

Building the Case for Health Literacy Mar 12 2022 The field of health literacy has evolved from one focused on individuals to one that recognizes that health literacy is multidimensional. While communicating in a health literate manner is important for everyone, it is particularly important when communicating with those with limited health literacy who also experience more serious medication errors, higher rates of hospitalization and use of the emergency room, poor health outcomes, and increased mortality. Over the past decade, research has shown that health literacy interventions can significantly impact various areas including health care costs, outcomes, and health disparities. To understand the extent to which health literacy has been shown to be effective at contributing to the Quadruple Aim of improving the health of communities, providing better care, providing affordable care, and improving the experience of the health care team, the National Academies of Sciences, Engineering, and Medicine convened a public workshop on building the case for health literacy. This publication summarizes the presentations and discussions from the workshop, and highlights important lessons about the role of health literacy in meeting the Quadruple Aim, case studies of organizations that have adopted health literacy, and discussions among the different stakeholders involved in making the case for health literacy.

International Classification of Functioning, Disability, and Health Jan 22 2023 This publication is a derived version of the International Classification of Functioning, Disability and Health (ICF, WHO, 2001) designed to record characteristics of the developing child and the influence of environments surrounding the child . This derived version of the ICF can be used by providers, consumers and all those concerned with the health, education, and well being of children and youth. It provides a common and universal language for clinical, public health, and research applications to facilitate the documentation and measurement of health and disability in child and youth populations.--Publisher's description.

Tony Northrup's Photography Buying Guide Dec 21 2022 If you're a beginner photographer, this book can save you hundreds of dollars. If you're a seasoned pro, it can save you thousands. With access to over 16 HOURS of online video, this book helps you choose the best equipment for your budget and style of photography. In this book, award-winning author and photographer Tony Northrup explains explains what all your camera, flash, lens, and tripod features do, as well as which are worth paying for and which you can simply skip. Tony provides information specific to your style of photography, whether you're a casual photographer or you're serious about portraits, landscapes, sports, wildlife, weddings, or even macro. For the casual reader, Tony provides quick recommendations to allow you to get the best gear for your budget, without spending days researching. If you love camera gear, you'll be able to dive into 200 pages of detailed information covering Nikon, Canon, Sony, Micro Four-Thirds, Olympus, Samsung, Leica, Mamiya, Hasselblad, Fuji, Pentax, Tamron, Sigma, Yongnuo, PocketWizard, Phottix, Pixel King, and many other manufacturers. Camera technology changes fast, and this book keeps up. Tony updates this book several times per year, and buying the book gives you a lifetime subscription to the updated content. You'll always have an up-to-date reference on camera gear right at your fingertips. Here are just some of the topics covered in the book: What should my first camera be?Which lens should I buy?Should I buy Canon, Nikon, or Sony?Is a mirrorless camera or a DSLR better for me?Do I need a full frame camera?Is it safe to buy generic lenses and flashes?What's the best landscape photography gear?Which portrait lens and flash should I buy?What gear do I need to photograph a wedding?How can I get great wildlife shots on a budget?Which sports photography equipment should I purchase?Should I buy zooms or primes?Is image stabilization worth the extra cost?Which type of tripod should I buy?Which wireless flash system is the best for my budget?How can I save money by buying used?What kind of computer should I get for photo editing?What studio lighting equipment should I buy?When you buy this book, you'll be able to immediately read the book online. You'll also be able to download it in PDF, .mobi, and .epub formats--every popular format for your computer, tablet, smartphone, or eReader!

Disruptive Mood Apr 01 2021 A practical guide to understanding and treating children and adolescents prone to extreme levels of angry outbursts, 'Disruptive Mood' is based on the very latest research and theory. Providing both a clinical and scientific perspective on irritability in children, this book is a timely look at recent developments in the field.

Functional Neuroimaging Oct 27 2020 The first text designed specifically with clinical practitioners in mind, Functional Neuroimaging demonstrates the clinical application and utilization of functional neuroradiology for early diagnosis, neurological decision-making, and assessing response to cancer therapy.

Edited by the Founding President of American Society of Functional Neuroradi

Complications of Cirrhosis Nov 08 2021 This volume presents a concise yet comprehensive overview on all facets concerning the complications of cirrhosis. Structured in three sections, the book reviews the natural history of cirrhosis, the diagnostic and predictive tools available to assess the disease, complications, and treatment options such as liver assist devices and transplantation. Topical concerns in the management of patients with cirrhosis are also addressed, including issues pertaining to the delivery of quality care in this patient population. Written by experts in their fields, *Complications of Cirrhosis: Evaluation and Management* serves as a valuable resource for practitioners and physicians-in-training on the subject of cirrhosis.

Methods in Mind Apr 13 2022 Each chapter explores a different approach. These include transcranial magnetic stimulation, cognitive neuropsychiatry, lesion studies in nonhuman primates, computational modeling, psychophysiology, single neurons and primate behavior, grid computing, eye movements, fMRI, electroencephalography, imaging genetics, magnetoencephalography, neuropharmacology, and neuroendocrinology. As mandated, authors focus on convergence and innovation in their fields; chapters highlight such cross-method innovations as the use of the fMRI signal to constrain magnetoencephalography, the use of electroencephalography (EEG) to guide rapid transcranial magnetic stimulation at a specific frequency, and the successful integration of neuroimaging and genetic analysis. Computational approaches depend on increased computing power, and one chapter describes the use of distributed or grid computing to analyze massive datasets in cyberspace. Each chapter author is a leading authority in the technique discussed." -- Publisher's website.

The Bacterial Nucleoid: Methods and Protocols Feb 17 2020 This volume presents state-of-the-art protocols for key experiments that have revolutionized our understanding of the bacterial nucleoid. This book is divided into five parts: Part I introduces molecular genetic methods to study bacterial nucleoids; Part II highlights the study of bacterial nucleoid with whole genome analysis method; Part III discusses molecular biology methods to study nucleoid structuring factors; Part IV looks at imaging bacterial nucleoid; and Part V explores biophysics of the bacterial nucleoid. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Thorough and cutting-edge, *The Bacterial Nucleoid: Methods and Protocols* is a valuable resource that provides a wealth of new information about this chromosome.

Blackbody Radiometry Aug 25 2020 This book, the first of a two-volume set, focuses on the basic physical principles of blackbody radiometry and describes artificial sources of blackbody radiation, widely used as sources of optical radiation, whose energy characteristics can be calculated on the base of fundamental physical laws. Following a review of radiometric quantities, radiation laws, and radiative heat transfer, it introduces the basic principles of blackbody radiators design, details of their practical implementation, and methods of measuring their defining characteristics, as well as metrological aspects of blackbody-based measurements. Chapters are dedicated to the effective emissivity concept, methods of increasing effective emissivities, their measurement and modeling using the Monte Carlo method, techniques of blackbody radiators heating, cooling, isothermalization, and measuring their temperature. An extensive and comprehensive reference source, this book is of considerable value to students, researchers, and engineers involved in any aspect of blackbody radiometry.

Microtimes Jul 24 2020

A Tiger in the Kitchen Oct 07 2021 "Starting with charred fried rice and ending with flaky pineapple tarts, Cheryl Lu-Lien Tan takes us along on a personal journey that most can only fantasize about--an exploration of family history and culture through a mastery of home-cooked dishes. Tan's delectable education through the landscape of Singaporean cuisine teaches us that food is the tie that binds." --Jennifer 8. Lee, author of *The Fortune Cookie Chronicles* After growing up in the most food-obsessed city in the world, Cheryl Lu-Lien Tan left home and family at eighteen for America--proof of the rebelliousness of daughters born in the Year of the Tiger. But as a thirtysomething fashion writer in New York, she felt the Singaporean dishes that defined her childhood beginning to call her back. Was it too late to learn the secrets of her grandmothers' and aunties' kitchens, as well as the tumultuous family history that had kept them hidden before In her quest to recreate the dishes of her native Singapore by cooking with her family, Tan learned not only cherished recipes but long-

buried stories of past generations. *A Tiger in the Kitchen*, which includes ten authentic recipes for Singaporean classics such as pineapple tarts and Teochew braised duck, is the charming, beautifully written story of a Chinese-Singaporean ex-pat who learns to infuse her New York lifestyle with the rich lessons of the Singaporean kitchen, ultimately reconnecting with her family and herself. Reading Group Guide available online and included in the eBook.

The Story of Sushi Apr 20 2020 Everything you never knew about sushi—its surprising origins, the colorful lives of its chefs, and the bizarre behavior of the creatures that compose it Trevor Corson takes us behind the scenes at America's first sushi-chef training academy, as eager novices strive to master the elusive art of cooking without cooking. He delves into the biology and natural history of the edible creatures of the sea, and tells the fascinating story of an Indo-Chinese meal reinvented in nineteenth-century Tokyo as a cheap fast food. He reveals the pioneers who brought sushi to the United States and explores how this unlikely meal is exploding into the American heartland just as the long-term future of sushi may be unraveling. *The Story of Sushi* is at once a compelling tale of human determination and a delectable smorgasbord of surprising food science, intrepid reporting, and provocative cultural history.

Unseen Liability Sep 18 2022 The last fifteen years of the Internet's existence have been described as disruptive, innovative, unpredictable, and, yes, very uncertain. Few individuals I know have had the benefit of living with and assessing the true impact of this major technological and economic shift in our nation...and our world. Whether or not the business world fully appreciates the new reality, business risk, reputation and economic success now run through servers, databases, and computers. All connected - for better or worse - through the World Wide Web. *Unseen Liability*, with its stunning recognition and invention of the term "information malpractice," offers the reader a truly original and understandable baseline from which to judge not only our progress with technology, but to predict the emergence of technology blind spots in virtually any industry. By relying on his experiences in both the technology sector and the financial services industry, Mr. Bartkiewicz makes the convincing and clearly original argument that the gap between what business (and people) can do with technology is rapidly outpacing what they should do. In fact, he boldly, and accurately, suggests that traditional economic and risk evaluation models were written for a world that no longer exists. Every week the media reports an unexpected business interruption, a major data breach, or a public Internet disaster, yet until now no one person has connected the dots of our world's technology dependence to start to define where human error ends and technology error begins. Through real-world examples demonstrating technology arrogance as well as technology ignorance, *Unseen Liability* suggests that the speed and breadth of technology advancement has outpaced the CEO's ability to predict risk - and their future.

Pancreatic Islet Biology May 22 2020 This comprehensive volume discusses in vitro laboratory development of insulin-producing cells. It encompasses multiple aspects of islet biology—from embryonic development and stem cell differentiation to clinical studies in islet transplantation, regulation of islet beta-cell regeneration, pancreatic progenitors, mathematical modelling of islet development, epigenetic regulation, and much more. The chapter authors represent leading laboratories from around the world who contribute their international perspectives and global expertise. Collectively, they provide the reader with a concise yet detailed knowledge of processes and current developments in islet regenerative biology. *Pancreatic Islet Biology*, part of the *Stem Cell Biology and Regenerative Medicine* series, is essential reading for researchers and clinicians in stem cells or endocrinology, especially those focusing on diabetes.

Ocular Surface Disorders Sep 25 2020 Current knowledge of the epidemiology, clinical expression, pathophysiology and available medical and surgical therapy for ocular surface diseases, providing an invaluable text for ocular surface specialists, general ophthalmologists, optometrists and residents.

Journal of Refractive Surgery Feb 11 2022

Hi-C Data Analysis Jan 18 2020 This volume details a comprehensive set of methods and tools for Hi-C data processing, analysis, and interpretation. Chapters cover applications of Hi-C to address a variety of biological problems, with a specific focus on state-of-the-art computational procedures adopted for the data analysis. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, *Hi-C Data Analysis: Methods and Protocols* aims to help computational and molecular biologists working in the field of chromatin 3D architecture and transcription regulation.

Alzheimer's in America Oct 15 2019 Offers the latest research about the disease, proposals on ways to support both the patient and caregiver, and essays written by patients, family members, and caregivers about living with the disease.

An Automatic Cell Counter Sep 06 2021 Automatic cell counter using analog techniques and standard electronic TV components.

Gerontological Nursing: Competencies for Care Jun 15 2022 Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition. Gerontological Nursing: Competencies for Care, Second Edition is a comprehensive and student-accessible text that offers a holistic and inter-disciplinary approach to caring for the elderly. The framework for the text is built around the Core Competencies set forth by the American Association of Colleges of Nursing (AACN) and the John A. Hartford Foundation Institute for Geriatric Nursing. Building upon their knowledge in prior medical surgical courses, this text gives students the skills and theory needed to provide outstanding care for the growing elderly population. It is the first of its kind to have more than 40 contributing authors from many different disciplines. Some of the key features include chapter outlines, learning objectives, discussion questions, personal reflection boxes, and case studies.

Molecular Gerontology May 02 2021 Esteemed researchers from different European laboratories provide state-of-the-art studies on biology and ageing, along with guidelines for future investigations. They cover such issues in molecular gerontological research as regulation of gene expression from DNA to RNA to functional proteins, origin of various age-associated diseases, genetic regulation of ageing and longevity, and different mechanisms of defense and repair. Other contributions evaluate new technologies, including transgenic organisms, and the use of nutritional and chemical modulators of ageing and lifespan.

Interstitial Brachytherapy Feb 28 2021

My Summer Adventures May 14 2022 Adventure/Travel journal : 6x9 : "My Summer Adventures"

Ventilator-Induced Lung Injury Dec 09 2021 This reference surveys current best practices in the prevention and management of ventilator-induced lung injury (VILI) and spans the many pathways and mechanisms of VILI including cell injury and repair, the modulation of alveolar-capillary barrier properties, and lung and systemic inflammatory consequences of injurious mechanical ventilation. Considering many emerging therapeutic options, this guide also reviews the wide array of clinical studies on lung protection strategies and approaches to ARDS patients at risk for VILI.

Toward Universal Health Coverage and Equity in Latin America and the Caribbean Nov 20 2022 Over the past three decades, many countries of Latin America and the Caribbean have recognized health as a human right. Since the early 2000s, 46 million more people in the countries studied are covered by health programs with explicit guarantees of affordable care. Reforms have been accompanied by a rise in public spending for health, financed largely from general revenues that prioritized or explicitly target the population without capacity to pay. Political commitment has generally translated into larger budgets as well as passage of legislation that ring-fenced funding for health. Most countries have prioritized cost-effective primary care and adopted purchasing methods that incentivize efficiency and accountability for results, and that give stewards of the health sector greater leverage to steer providers to deliver on public health priorities. Evidence from the analysis of 54 household surveys corroborates that investments in extending coverage are yielding results. Though the poor still have worse health outcomes than the rich, disparities have narrowed considerably - particularly in the early stage of the life course. Countries have reached high levels of coverage and equity in utilization of maternal and child health services; coverage of noncommunicable disease interventions is not as high and service utilization is still skewed toward the better off. Catastrophic health expenditures have declined in most countries; the picture regarding equity, however, is mixed. While the rate of impoverishment owing to health-care expenditures is low and generally declining, 2-4 million people in the countries studied still fall below the poverty line after health spending. Efforts to systematically monitor quality of care in the region are still in their infancy. Nonetheless, a review of the literature reveals important shortcomings in quality of care, as well as substantial differences across subsystems. Improving quality of care and ensuring sustainability of investments in health remain an unfinished agenda.

Frequency Selective Surfaces Aug 05 2021 "...Ben has been the world-wide guru of this technology, providing support to applications of all types. His genius lies in handling the extremely complex mathematics, while at the same time seeing the practical matters involved in applying the results. As this book clearly

shows, Ben is able to relate to novices interested in using frequency selective surfaces and to explain technical details in an understandable way, liberally spiced with his special brand of humor... Ben Munk has written a book that represents the epitome of practical understanding of Frequency Selective Surfaces. He deserves all honors that might befall him for this achievement." -William F. Bahret. Mr. W. Bahret was with the United States Air Force but is now retired. From the early 50s he sponsored numerous projects concerning Radar Cross Section of airborne platforms in particular antennas and absorbers. Under his leadership grew many of the concepts used extensively today, as for example the metallic radome. In fact, he is by many considered to be the father of stealth technology. "This book compiles under one cover most of Munk's research over the past three decades. It is woven with the physical insight that he has gained and further developed as his career has grown. Ben uses mathematics to whatever extent is needed, and only as needed. This material is written so that it should be useful to engineers with a background in electromagnetics. I strongly recommend this book to any engineer with any interest in phased arrays and/or frequency selective surfaces. The physical insight that may be gained from this book will enhance their ability to treat additional array problems of their own." -Leon Peters, Jr. Professor Leon Peters, Jr., was a professor at the Ohio State University but is now retired. From the early sixties he worked on, among many other things, RCS problems involving antennas and absorbers. This book presents the complete derivation of the Periodic Method of Moments, which enables the reader to calculate quickly and efficiently the transmission and reflection properties of multi-layered Frequency Selective Surfaces comprised of either wire and/or slot elements of arbitrary shape and located in a stratified medium. However, it also gives the reader the tools to analyze multi-layered FSS's leading to specific designs of the very important Hybrid Radome, which is characterized by constant bandwidth with angle of incidence and polarization. Further, it investigates in great detail bandstop filters with large as well as narrow bandwidth (dichroic surfaces). It also discusses for the first time, lossy elements used in producing Circuit Analog absorbers. Finally, the last chapter deals with power breakdown of FSS's when exposed to pulsed signals with high peak power. The approach followed by most other presentations simply consists of expanding the fields around the FSS, matching the boundary conditions and writing a computer program. While this enables the user to obtain calculated results, it gives very little physical insight and no help in how to design actual multi-layered FSS's. In contrast, the approach used in this title analyzes all curves of desired shapes. In particular, it discusses in great detail how to produce radomes made of FSS's located in a stratified medium (Hybrid Radomes), with constant bandwidth for all angles of incidence and polarizations. Numerous examples are given of great practical interest. More specifically, Chapter 7 deals with the theory and design of bandpass radomes with constant bandwidth and flat tops. Examples are given for mono-, bi- and tri-planar designs. Chapter 8 deals with bandstop filters with broad as well as narrow bandwidth. Chapter 9 deals with multi-layered FSS of lossy elements, namely the so-called Circuit Analog Absorbers, designed to yield outstanding absorption with more than a decade of bandwidth. Features material previously labeled as classified by the United States Air Force.

An Introduction to Seismology, Earthquakes, and Earth Structure Jan 30 2021 An Introduction to Seismology, Earthquakes and Earth Structures is an introduction to seismology and its role in the earth sciences, and is written for advanced undergraduate and beginning graduate students. The fundamentals of seismic wave propagation are developed using a physical approach and then applied to show how refraction, reflection, and teleseismic techniques are used to study the structure and thus the composition and evolution of the earth. The book shows how seismic waves are used to study earthquakes and are integrated with other data to investigate the plate tectonic processes that cause earthquakes. Figures, examples, problems, and computer exercises teach students about seismology in a creative and intuitive manner. Necessary mathematical tools including vector and tensor analysis, matrix algebra, Fourier analysis, statistics of errors, signal processing, and data inversion are introduced with many relevant examples. The text also addresses the fundamentals of seismometry and applications of seismology to societal issues. Special attention is paid to help students visualize connections between different topics and view seismology as an integrated science. An Introduction to Seismology, Earthquakes, and Earth Structure gives an excellent overview for students of geophysics and tectonics, and provides a strong foundation for further studies in seismology. Multidisciplinary examples throughout the text - catering to students in varied disciplines (geology, mineralogy, petrology, physics, etc.). Most up to date book on the market - includes recent seismic events such as the 1999 Earthquakes in Turkey, Greece, and Taiwan). Chapter outlines - each chapter begins with an outline and a list of learning objectives to help students focus and study. Essential math

review - an entire section reviews the essential math needed to understand seismology. This can be covered in class or left to students to review as needed. End of chapter problem sets - homework problems that cover the material presented in the chapter. Solutions to all odd numbered problem sets are listed in the back so that students can track their progress. Extensive References - classic references and more current references are listed at the end of each chapter. A set of instructor's resources containing downloadable versions of all the figures in the book, errata and answers to homework problems is available at:

<http://levee.wustl.edu/seismology/book/>. Also available on this website are PowerPoint lecture slides corresponding to the first 5 chapters of the book.

Monitoring the Nervous System for Anesthesiologists and Other Health Care Professionals Nov 27 2020 This widely praised, first-of-its-kind book has been thoroughly updated, expanded, and enriched with extensive new case material, illustrations, and link-outs to multimedia, practice guidelines, and more. Written and edited by outstanding world experts, this was the first and remains the leading single-source volume on intraoperative neurophysiological monitoring (IOM). It is aimed at graduate students and trainees, as well as members of the operative team, including anesthesiologists, technologists, neurophysiologists, surgeons, and nurses. Now commonplace in procedures that place the nervous system at risk, such as orthopedics, neurosurgery, otologic surgery, vascular surgery, and others, effective IOM requires an unusually high degree of coordination among members of the operative team. The purpose of the book is to help students, trainees, and team members acquire a better understanding of one another's roles and thereby to improve the quality of care and patient safety. From the reviews of the First Edition: "A welcome addition to reference works devoted to the expanding field of nervous system monitoring in the intraoperative period... will serve as a useful guide for many different health care professionals and particularly for anesthesiologists involved with this monitoring modality...An excellent reference...[and] a helpful guide both to the novice and to the developing expert in this field." ??Canadian Journal of Anesthesia "Impressive... [The book] is well written, indexed, and illustrated...The chapters are all extensively referenced. It is also very good value at the price....I would recommend this book to all residents and especially to all neuroanesthesiologists. It will make a worthwhile addition to their library." ??Journal of Neurosurgical Anesthesiology

Negative Ions, Beams and Sources Jan 10 2022 All papers have been peer-reviewed. The Symposium covers all aspects of negative ion production in plasma sources, their extraction into particle beams and subsequent transport, neutralization and exploitation. It is of interest to researchers in plasma physics, particle accelerators and fusion. It is the only international symposium dedicated to negative ion sources and beams.

The Anthropology of Christianity Dec 29 2020 This collection provides vivid ethnographic explorations of particular, local Christianities as they are experienced by different groups around the world. At the same time, the contributors, all anthropologists, rethink the vexed relationship between anthropology and Christianity. As Fenella Cannell contends in her powerful introduction, Christianity is the critical "repressed" of anthropology. To a great extent, anthropology first defined itself as a rational, empirically based enterprise quite different from theology. The theology it repudiated was, for the most part, Christian. Cannell asserts that anthropological theory carries within it ideas profoundly shaped by this rejection. Because of this, anthropology has been less successful in considering Christianity as an ethnographic object than it has in considering other religions. This collection is designed to advance a more subtle and less self-limiting anthropological study of Christianity. The contributors examine the contours of Christianity among diverse groups: Catholics in India, the Philippines, and Bolivia, and Seventh-Day Adventists in Madagascar; the Swedish branch of Word of Life, a charismatic church based in the United States; and Protestants in Amazonia, Melanesia, and Indonesia. Highlighting the wide variation in what it means to be Christian, the contributors reveal vastly different understandings and valuations of conversion, orthodoxy, Scripture, the inspired word, ritual, gifts, and the concept of heaven. In the process they bring to light how local Christian practices and beliefs are affected by encounters with colonialism and modernity, by the opposition between Catholicism and Protestantism, and by the proximity of other religions and belief systems. Together the contributors show that it not sufficient for anthropologists to assume that they know in advance what the Christian experience is; each local variation must be encountered on its own terms. Contributors. Cecilia Busby, Fenella Cannell, Simon Coleman, Peter Gow, Olivia Harris, Webb Keane, Eva Keller, David Mosse, Danilyn Rutherford, Christina Toren, Harvey Whitehouse

Liver Immunology Jun 22 2020 Immunology is a broad branch of biomedical science that covers the study of all aspects of the immune system in all

organisms. This volume is a must-read for novice and expert alike. In an easy-to-read and thorough format, it covers bacterial, parasitic and viral infections of the liver, autoimmune liver disease, alcoholic and nonalcoholic fatty liver diseases, and transplantation.

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