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Elements of Fiction Writing - Conflict and Suspense James Scott Bell 2011-12-15 Ramp up the tension and keep your readers hooked! Inside you'll find everything you need to know to spice up your story, move your plot forward, and keep your readers turning pages. Expert thriller author and writing instructor James Scott Bell shows you how to craft scenes, create characters, and develop storylines that harness conflict and suspense to carry your story from the first word to the last. Learn from examples of successful novels and movies as you transform your work from ho-hum to high-tension. • Pack the beginning, middle, and end of your book with the right amount of conflict. • Tap into the suspenseful power of each character's inner conflict. • Build conflict into your story's point of view. • Balance subplots, flashbacks, and backstory to keep your story moving forward. • Maximize the tension in your characters' dialogue. • Amp up the suspense when you revise. Conflict & Suspense offers proven techniques that help you craft fiction your readers won't be able to put down.

The Central Intelligence Agency and Overhead Reconnaissance Gregory Pedlow 2016-03-15 This volume presents the complete CIA document revealing newly declassified information on the U-2 and Oxcart programs—plus new photos and supporting text. The Central Intelligence Agency and Overhead Reconnaissance 1954-1974 is a fascinating and important historical document. It contains a significant amount of newly declassified material with respect to the U-2 and Oxcart programs, including names of pilots; codenames and cryptonyms; locations, funding, and cover arrangements; electronic countermeasures equipment; cooperation with foreign governments; and overflights of the Soviet Union, Cuba, China, and other countries. Originally published with a Secret/No Foreign Dissemination classification, this detailed study describes not only the program's technological and bureaucratic aspects, but also its political and international context, including the difficult choices faced by President Eisenhower in authorizing overflights of the Soviet Union and the controversy surrounding the shoot down of U-2 pilot Francis Gary Powers in 1960. The authors discuss the origins of the U-2, its top-secret testing, its specially designed high-altitude cameras and complex life-support systems, and even the possible use of poison capsules by its pilots, if captured. Finally, they discuss the CIA's development of a successor to the U-2, the Oxcart, which became the world's most technologically advanced aircraft. For the first time, the more complete 2013 release of this historical text is available in a professionally typeset format, supplemented with higher quality photographs, a new preface by author Gregory W. Pedlow, and a foreword by Chris Pocock.

Saving Lives, Improving Mothers' Care 2017

Burn Care and Treatment Marc G. Jeschke 2013-03-12 This practical guide offers a comprehensive summary of the most important and most immediate therapeutic approaches in the assessment and treatment of burn injuries. Taking into account age-specific needs in pediatric, adult, and elderly burn patients, the book discusses key issues such as pre-hospital treatment, wound care and infection control, burn nursing, and critical care. In addition, burn reconstructive surgery and rehabilitation for burn victims are described. Written in a concise manner, Burn Care and Treatment provides guidelines for the optimal care in order to improve patient outcome, and thus will be a valuable reference for physicians, surgeons, residents, nurses, and other burn care providers.

Aircraft Metal Work United States. Bureau of Naval Personnel 1945

Reflective Practice Gillie Bolton 2010-02-04 Lecturers, why waste time waiting for the post to arrive? Request your e-inspection copy today! In the new third edition of this popular and highly readable book, the author draws on her considerable experience and extensive research to demonstrate a creative dynamic mode of reflection and reflexivity. Using expressive and explorative writing combined with in-depth group work/mentoring alongside appropriate focussed research, it enables critical yet sensitive examinations of practice. Gillie offers a searching and thorough approach which increases student and professional motivation, satisfaction, and deep levels of learning. She clearly explains reflection; reflexivity; narrative; metaphor, and complexity, and grounds the literary and artistic methods in educational theory and values. Clear step-by-step practical methods are given for every aspect of the process. New to this edition are: A chapter presenting different ways of undertaking and facilitating reflective practice Further international coverage, including material from Australia, New Zealand and the United States. The Third Edition also includes: An annotated glossary explaining key terms End-of-chapter activities and exercises Suggested further reading, and clear guides on chapter contents and how to use the book. Companion website www.uk.sagepub.com/bolton An accompanying companion website includes a range of free additional materials for lecturers and students to use in tutorials and for independent study, including discussion, workshop exercises, glossary and online readings. The methods are appropriate to, and used worldwide by, students and professionals across education; medicine and healthcare; clinical psychology; therapy; social work; pastoral care; counselling; police; business management; organisational consultancy; leadership training.

The ICU Book Paul L. Marino 2012-02-13 This best-selling resource provides a general overview and basic information for all adult intensive care units. The material is presented in a brief and quick-access format which allows for topic and exam review. It provides enough detailed and specific information to address most all questions and problems that arise in the ICU. Emphasis on fundamental principles in the text should prove useful for patient care outside the ICU as well. New chapters in this edition include hyperthermia and hypothermia syndromes; infection control in the ICU; and severe airflow obstruction. Sections have been reorganized and consolidated when appropriate to reinforce concepts.

Gender Equality and Nation Branding in the Nordic Region Eirinn Larsen 2021-05-26 This book explores how gender equality, a central part of the Nordic imaginary, is used in the political communication of Nordic states. The analyses presented move beyond conventional images and discourses of Nordic gender- and women-friendliness by critically investigating how and to what extent gender equality serves nation-branding in the Nordic region. Nation-branding is an unescapable part of globalisation, which is a market-oriented process dominated by the West and predicated on the creation of winners and losers. Hence, efforts to strengthen the national brand or reputation of specific Nordic countries with the aid of gender equality as a political and symbolic value inevitably help to reinforce already established global hierarchies where the Nordics play the role of moral superpower. This book comprises scholars from various fields of specialisation, and provides evidence and understanding for the growing interaction between gender-equality policies and nation-branding in all five Nordic countries. It does so by exploring a variety of policy fields and issues including women's rights, foreign policy, rape and legislation, female quotas and business policies, in addition to the index industry. The rise of the global indexes has reproduced forceful images of the Nordic countries as frontrunners of gender equality, which indeed help the Nordic countries to further position themselves as 'best at being good'. This book will be of great interest to students and scholars of Nordic gender equality in political science, sociology, law, criminology, political psychology and history, as well as those interested in nation branding, Nordic studies and exceptionalism. The Open Access version of this book, available at <http://www.taylorfrancis.com/books/e/9781003017134>, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license.

Towards a Balkan Gas Hub Aleksandar Kovačević 2017

The Use of Economic Instruments Hrafnhildur Bragadóttir 2014-08-18 The Working Group on Environment and Economy of the Nordic Council of Ministers publishes regular reports on the use of economic instruments in Nordic environmental policy. This report is part of that series and has two parts. Part 1 presents an overview of the use of economic instruments in Nordic environmental policy, with a focus on policy changes over the period 2010-2013. Part 2 develops a framework for assessing the political possibilities of reforming environmentally harmful subsidies, and applies this framework to three cases relevant in the Nordic context. The report was prepared by Copenhagen Economics, GreenStream Network and Environic. The authors of the report are Hrafnhildur Bragadóttir, Carl von Utfall Danielsson, Roland Magnusson, Sampo Seppänen, Amanda Stefansdóttir and David Sundén.

China Satellite Navigation Conference (CSNC) 2013 Proceedings Jiadong Sun 2014-07-08 China Satellite Navigation Conference (CSNC) 2013 Proceedings presents selected research papers from CSNC2013, held on 15-17 May in Wuhan, China. The theme of CSNC2013 is: BeiDou Application: Opportunities and Challenges. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS), and the latest progress made in the China BeiDou system especially. They are divided into 9 topics to match the corresponding sessions in CSNC2013, which broadly covered key topics in GNSS. Readers can learn about the BeiDou system and keep abreast of the latest advances in GNSS techniques and applications. SUN Jiadong is the Chief Designer of the Compass/BeiDou system, and the Academician of Chinese Academy of Sciences (CAS); JIAO Wenhai is a researcher at China Satellite Navigation Office; WU Haitao is a professor at Navigation Headquarters, CAS; SHI Chuang is a professor at Wuhan University.

Yellowstone Grizzly Bears Daniel D. Bjornlie 2017

Medical Terminology for Health Professions (Book Only) Ann Ehrlich 2004-08-03

WHO Guidelines on Hand Hygiene in Health Care World Health Organization 2009 The WHO Guidelines on Hand Hygiene in Health Care provide health-care workers (HCWs), hospital administrators and health authorities with a thorough review of evidence on hand hygiene in health care and specific recommendations to improve practices and reduce transmission of pathogenic microorganisms to patients and HCWs. The present Guidelines are intended to be implemented in any situation in which health care is delivered either to a patient or to a specific group in a population. Therefore, this concept applies to all settings where health care is permanently or occasionally performed, such as home care by birth attendants. Definitions of health-care settings are proposed in Appendix 1. These Guidelines and the associated WHO Multimodal Hand Hygiene Improvement Strategy and an Implementation Toolkit (<http://www.who.int/gpsc/en/>) are designed to offer health-care facilities in Member States a conceptual framework and practical tools for the application of recommendations in practice at the bedside. While ensuring consistency with the Guidelines recommendations, individual adaptation according to local regulations, settings, needs, and resources is desirable. This extensive review includes in one document sufficient technical information to support training materials and help plan implementation strategies. The document comprises six parts.

Educational Psychology National Learning Corporation 1997-02 The DSST (Defense Activity for Non-Traditional Education Support) Subject Standardized Tests are comprehensive college and graduate level examinations given by the Armed Forces, colleges and graduate schools. These exams enable students to earn college credit for what they have learned through self-study, on the job, or by other non-traditional means.

Quantity Surveying N4 Student's Book Sparrow Consulting (Firm) 2021-02-21

Food Labeling - Revision of the Nutrition and Supplement Facts Labels (Us Food and Drug Administration Regulation) (Fda) (2018 Edition) The Law The Law Library 2018-09-13 Food Labeling - Revision of the Nutrition and Supplement Facts Labels (US Food and Drug Administration Regulation) (FDA) (2018 Edition) The Law Library presents the complete text of the Food Labeling - Revision of the Nutrition and Supplement Facts Labels (US Food and Drug Administration Regulation) (FDA) (2018 Edition). Updated as of May 29, 2018 The Food and Drug Administration (FDA or we) is amending its labeling regulations for conventional foods and dietary supplements to provide updated nutrition information on the label to assist consumers in maintaining healthy dietary practices. The updated information is consistent with current data on the associations between nutrients and chronic diseases, health-related conditions, physiological endpoints, and/or maintaining a healthy dietary pattern that reflects current public health conditions in the United States, and corresponds to new information on consumer understanding and consumption patterns. The final rule updates the list of nutrients that are required or permitted to be declared; provides updated Daily Reference Values and Reference Daily Intake values that are based on current dietary recommendations from consensus reports; amends requirements for foods represented or purported to be specifically for children under the age of 4 years and pregnant and lactating women and establishes nutrient reference values specifically for these population subgroups; and revises the format and appearance of the Nutrition Facts label. This book contains: - The complete text of the Food Labeling - Revision of the Nutrition and Supplement Facts Labels (US Food and Drug Administration Regulation) (FDA) (2018 Edition) - A table of contents with the page number of each section

The History and Future of Technology Robert U. Ayres 2021 Eminent physicist and economist, Robert Ayres, examines the history of technology as a change agent in society, focusing on societal roots rather than technology as an autonomous, self-perpetuating phenomenon. With rare exceptions, technology is developed in response to societal needs that have evolutionary roots and causes. In our genus Homo, language evolved in response to a need for our ancestors to communicate, both in the moment, and to posterity. A band of hunters had no chance in competition with predators that were larger and faster without this type of organization, which eventually gave birth to writing and music. The steam engine did not leap fully formed from the brain of James Watt. It evolved from a need to pump water out of coal mines, driven by a need to burn coal instead of firewood, in turn due to deforestation. Later, the steam engine made machines and mechanization possible. Even quite simple machines increased human productivity by a factor of hundreds, if not thousands. That was the Industrial Revolution. If we count electricity and the automobile as a second industrial revolution, and the digital computer as the beginning of a third, the world is now on the cusp of a fourth revolution led by microbiology. These industrial revolutions have benefited many in the short term, but devastated the Earths ecosystems. Can technology save the human race from the catastrophic consequences of its past success? That is the question this book will try to answer.

Maternal Critical Care Marc van de Velde 2013-07-04 Addresses the challenges of managing critically ill obstetric patients, with chapters authored by intensivists/anesthesiologists and obstetricians/maternal-fetal medicine specialists.

The Handbook of Work Based Learning Ian Cunningham 2016-03-03 Organizational leaders, governments and trade unions all agree that learning is fundamental to organizational and economic success. The question is how it should best be supported. The Handbook of Work Based Learning delivers a compelling answer to this question. Learning needs to be based in the realities of organizational life. This unique, groundbreaking handbook provides a definitive guide to the set of strategies, tactics and methods for supporting work based learning. The three main parts of the Handbook, which focus in turn on strategies, tactics and methods, are written for both the learner and the professional developer alike. Each includes a description of the process (strategy, tactic or method), provides examples of what it looks like in action, explains the benefits and the likely limitations and provides a set of operating hints for applying the process. Nothing has been neglected, so alongside detailed descriptions of what to do and how to do it, the authors have included the Declaration on Learning, created by thirteen of the major figures in the field of organizational learning, a section guiding you towards routes for gaining qualifications, along with a well-researched set of references and further reading.

Sustainable Development Action - the Nordic Way Halonen, Mikko 2017-05-04 The 2030 Agenda, adopted by the UN General Assembly in September 2015, outlines an ambitious and universal plan of action for people, planet and prosperity as it seeks to strengthen universal peace and freedom. This report presents national and Nordic action on Agenda 2030 with the aim to inform and support the Nordic Council of Ministers in formulating a new Nordic Sustainable Development Programme. All Nordic countries are engaged and strongly committed to implementing Agenda 2030 and there is a broad societal interest in joint Nordic action. The existing Nordic Strategy for Sustainable Development and several other key initiatives within Nordic cooperation already contribute to the goals of Agenda 2030. A new Nordic

Sustainable Development Programme can build upon a strong foundation and add further value to the national and international work done by the Nordic countries.

Historical Archaeologies of Transhumance across Europe Eugene Costello 2018-03-05 Transhumance is a form of pastoralism that has been practised around the world since animals were first domesticated. Such seasonal movements have formed an important aspect of many European farming systems for several thousand years, although they have declined markedly since the nineteenth century. Ethnographers and geographers have long been involved in recording transhumant practices, and in the last two decades archaeologists have started to add a new material dimension to the subject. This volume brings together recent advances in the study of European transhumance during historical times, from Sweden to Spain, Romania to Ireland, and beyond that even Newfoundland. While the focus is on the archaeology of seasonal sites used by shepherds and cowherds, the contributions exhibit a high degree of interdisciplinarity. Documentary, cartographic, ethnographic and palaeoecological evidence all play a part in the examination of seasonal movement and settlement in medieval and post-medieval landscapes. Notwithstanding the obvious diversity across Europe in terms of livestock, distances travelled and socio-economic context, an extended introduction to the volume shows that cross-cutting themes are now emerging, including mobility, gendered herding, collective land-use, the agency of non-elite people and competition for grazing and markets. The book will appeal not only to archaeologists, but to historians, geographers, ethnographers, palaeoecologists and anyone interested in rural lifeways across Europe.

The Power of Global Performance Indicators Judith G. Kelley 2020-03-19 Shows how global ratings and rankings shape political agendas and influence states' behavior, reframing how we think about power.

Pregnancy, Childbirth, Postpartum, and Newborn Care World Health Organization 2003 This guide provides a full range of updated, evidence-based norms and standards that will enable health care providers to give high quality care during pregnancy, delivery and in the postpartum period, considering the needs of the mother and her newborn baby. All recommendations are for skilled attendants working at the primary level of health care, either at the facility or in the community. They apply to all women attending antenatal care, in delivery, postpartum or post abortion care, or who come for emergency care, and to all newborns at birth and during the first week of life (or later) for routine and emergency care. This guide is a guide for clinical decision-making. It facilitates the collection; analysis, classification and use of relevant information by suggesting key questions, essential observations and/or examinations, and recommending appropriate research-based interventions. It promotes the early detection of complications and the initiation of early and appropriate treatment, including time referral, if necessary. Correct use of this guide should help reduce high maternal and perinatal mortality and morbidity rates prevalent in many parts of the developing world, thereby making pregnancy and childbirth safer.

The IOC Manual of Emergency Sports Medicine David McDonagh 2015-04-01 The Manual focuses on the fieldside diagnosis and treatment of severe injuries and illnesses that can present at a sports event. It concentrates on basic diagnostic skills and treatment modalities as the sports physician has often limited diagnostic and treatment facilities available. Each chapter concentrates on an illness or anatomical injury and offers a structured diagnostic and therapeutic approach in this difficult pre-hospital environment. The chapters explain what problems are to be expected with specific conditions as well as which treatment plan should be implemented and how to evaluate and reassess those plans.

Engineering Science N1 2000

Demystifying Academic Writing Zhihui Fang 2021-04-14 Informative, insightful, and accessible, this book is designed to enhance the capacity of graduate and undergraduate students, as well as early career scholars, to write for academic purposes. Fang describes key genres of academic writing, common rhetorical moves associated with each genre, essential skills needed to write the genres, and linguistic resources and strategies that are functional and effective for performing these moves and skills. Fang's functional linguistic approach to academic writing enables readers to do so much more than write grammatically well-formed sentences. It leverages writing as a process of designing meaning to position language choices as the central focus, illuminating how language is a creative resource for presenting information, developing argument, embedding perspectives, engaging audience, and structuring text across genres and disciplines. Covering reading responses, book reviews, literature reviews, argumentative essays, empirical research articles, grant proposals, and more, this text is an all-in-one resource for building a successful career in academic writing and scholarly publishing. Each chapter features crafts for effective communication, authentic writing examples, practical applications, and reflective questions. Fang complements these features with self-assessment tools for writers and tips for empowering writers. Assuming no technical knowledge, this text is ideal for both non-native and native English speakers, and suitable for courses in academic writing, rhetoric and composition, and language/literacy education.

Global Perspective for Competitive Enterprise, Economy and Ecology Shuo-Yan Chou 2009-07-01 Global Perspective for Competitive Enterprise, Economy and Ecology addresses the general theme of the Concurrent Engineering (CE) 2009 Conference - the need for global advancements in the areas of competitive enterprise, economy and ecology. The proceedings contain 84 papers, which vary from the theoretical and conceptual to the practical and industrial. The content of this volume reflects the genuine variety of issues related to current CE methods and phenomena. Global Perspective for Competitive Enterprise, Economy and Ecology will therefore enable researchers, industry practitioners, postgraduate students and advanced undergraduates to build their own view of the inherent problems and methods in CE.

Antibiotic Essentials Cheston B Cunha 2020-12-15 The new edition of this highly successful annual pocket guide presents clinicians with the most recent information in the field of antimicrobial therapy and infectious diseases. Written by recognised experts in infectious disease, this edition discusses serum and urinary spectrum summaries of antibiotics and clinically relevant pharmacokinetics. The seventeenth edition has been fully updated to provide clinicians with the latest advances in their field. Unique features of the book include clinical synopses of common and uncommon infections worldwide, differential diagnosis of infectious diseases and non-infectious mimics, antibiotic IV-to-PO switch therapy options for infectious diseases; and HIV, HCV, Peds ID, antibiotic prophylaxis and immunisations, chest film differential diagnosis atlas, and gram stain atlas. Key Points Seventeenth edition presenting most recent information in field of antimicrobial therapy and infectious disease Highly successful annual pocket guide Includes many new topics and updates on new drugs Authored by leading experts in the field Includes free access to the app

Dental Compressed Air and Vacuum Systems NHS Estates 2003 Dental Compressed Air and Vacuum Systems

Perspectives for Biodiversity and Ecosystems Carsten Hohbohm 2021-02-05 The novelty of the book is a strong focus on perception, perspectives and prediction by scientists with profound insight into the ecology of ecosystems or into human demands and activity. The challenge is to bridge from empirical data and the knowledge of the past to the possibilities of the performance in the future. We assume that there is scope for more cooperation between the fields of ecology and practical philosophy or other social sciences in organising ecosystems and shaping the cultural future of humankind, and that such collaboration should be accorded considerably more priority. This book deals with environmental processes seen within a framework of the nature of ecosystems and human cultures. The future of the environment, the development of ecosystems and effective nature conservation management are the essentials of this book. Human nature and culture, and in particular their interactions, are interpreted as a set of rules and as given. The aim is not only to assess the significance of human influence on species composition and biodiversity but also to weigh up the subsequent potentials for action. In this book we will analyze the problems independently of one another, even if they are interconnected. This book focuses on perspectives and prognoses for the impacts of anthropogenic activity on ecosystems and thus on species conservation. Its goal is to improve assessments of the impacts of human activity on the environment. We are aware that prognoses have very often proven to be false. It is difficult to impossible to be able to predict with precision how evolution and ecosystems will change in future under anthropogenic influence. This strengthens our resolve to attempt to retain the highest possible degree of scientific integrity and professionalism and not to shy away from expressing the uncertainty of our own ideas and prognoses. We venture prognoses in this book and we will fail. However, we hope that we will be wrong on the right side.

Microelectronic Devices and Circuits Clifton G. Fonstad 1994 Combining solid state devices with electronic circuits for an introductory-level microelectronics course, this textbook offers an integrated approach so that students can truly understand how a circuit works. A concise writing style is employed, with the right level of detail and physics to help students understand how a device works. Other features include an emphasis on modelling of electronic devices, and analysis of non-linear circuits. Spice problems, worked examples and end-of-chapter problems are included.

Daily Language Review Grade 5 Evan-Moor Educational Publishers 1998-03 This book includes Monday to Friday lessons for each day of a 36-week school year and short daily lessons. The Monday to Thursday lessons include two sentences to edit, including corrections in punctuation, capitalization, spelling, grammar, and vocabulary and three items practicing a variety of language and reading skills. Friday practice cycles through five formats: language usage, identifying and correcting mistakes, combining sentences, choosing reference materials and figurative speech (similes, metaphors). The pages are reproducible and the book includes a skills list and answer keys.

Environmental Governance of the Baltic Sea Michael Gilek 2016-03-21 This edited volume presents a comprehensive and coherent interdisciplinary analysis of challenges and possibilities for sustainable governance of the Baltic Sea ecosystem by combining knowledge and approaches from natural and social sciences. Focusing on the Ecosystem Approach to Management (EAM) and associated multi-level, multi-sector and multi-actor challenges, the book provides up-to-date descriptions and analyses of environmental governance structures and processes at the macro-regional Baltic Sea level. Organised in two parts, Part 1 presents in-depth case studies of environmental governance practices and challenges linked to five key environmental problems - eutrophication, chemical pollution, overfishing, oil discharges and invasive species. Part 2 analyses and compares governance challenges and opportunities across the five case studies, focusing on governance structures and EAM implementation, knowledge integration and science support, as well as stakeholder communication and participation. Based on these cross-case comparisons, this book also draws a set of general conclusions on possible ways of improving the governance of the Baltic Sea by promoting what are identified as vital functions of environmental governance: coordination, integration, interdisciplinarity, precaution, deliberation, communication and adaptability.

WHO Model Prescribing Information World Health Organization 2001 This book provides independent clinical information on essential drugs, including details of dosage, uses, contraindications and adverse effects. It is intended as source material for adaptation by national authorities, in particular developing countries, that which to produce drug formularies, data sheets and teaching materials.

Electrotechnology Practice Jeffery Hampson 2019-06-07 Electrotechnology Practice is a practical text that accompanies Hampson/Hanssen's theoretical Electrical Trade Principles. It covers essential units of competencies in the two key qualifications in the UEE Electrotechnology Training Package: - Certificate II in Electrotechnology (Career Start) - Certificate III in Electrotechnology Electrician Aligned with the latest Australian and New Zealand standards, the text references the Wiring Rules (AS/NZS 3000:2018) and follows the uniform structure and system of delivery as recommended by the nationally accredited vocational education and training authorities. More than 1000 illustrations convey to the learner various concepts and real-world aspects of electrical practices, a range of fully worked examples and review questions support student learning, while assessment-style worksheets support the volume of assessment. Electrotechnology Practice has strong coverage of the electives for Cert II and Cert III, preparing students to eligibly sit for the Capstone Assessment or the Licenced Electrician's Assessment (LEA), as a mandatory requirement to earn an Electrician's Licence. Premium online teaching and learning tools are available on the MindTap platform.

Atmospheric Science at NASA Erik M. Conway 2008-11-03 Honorable Mention, 2008 ASLI Choice Awards. Atmospheric Science Librarians International This book offers an informed and revealing account of NASA's involvement in the scientific understanding of the Earth's atmosphere. Since the nineteenth century, scientists have attempted to understand the complex processes of the Earth's atmosphere and the weather created within it. This effort has evolved with the development of new technologies—from the first instrument-equipped weather balloons to multibillion-dollar meteorological satellite and planetary science programs. Erik M. Conway chronicles the history of atmospheric science at NASA, tracing the story from its beginnings in 1958, the International Geophysical Year, through to the present, focusing on NASA's programs and research in meteorology, stratospheric ozone depletion, and planetary climates and global warming. But the story is not only a scientific one. NASA's researchers operated within an often politically contentious environment. Although environmental issues garnered strong public and political support in the 1970s, the following decades saw increased opposition to environmentalism as a threat to free market capitalism. Atmospheric Science at NASA critically examines this politically controversial science, dissecting the often convoluted roles, motives, and relationships of the various institutional actors involved—among them NASA, congressional appropriation committees, government weather and climate bureaus, and the military.

Caring for People who Sniff Petrol Or Other Volatile Substances National Health and Medical Research Council (Australia) 2011 These guidelines provide recommendations that outline the critical aspects of infection prevention and control. The recommendations were developed using the best available evidence and consensus methods by the Infection Control Steering Committee. They have been prioritised as key areas to prevent and control infection in a healthcare facility. It is recognised that the level of risk may differ according to the different types of facility and therefore some recommendations should be justified by risk assessment. When implementing these recommendations all healthcare facilities need to consider the risk of transmission of infection and implement according to their specific setting and circumstances.

Schrödinger's Killer App Jonathan P. Dowling 2013-05-07 The race is on to construct the first quantum code breaker, as the winner will hold the key to the entire Internet. From international, multibillion-dollar financial transactions to top-secret government communications, all would be vulnerable to the secret-code-breaking ability of the quantum computer. Written by a renowned quantum physicist closely involved in the U.S. government's development of quantum information science, Schrödinger's Killer App: Race to Build the World's First Quantum Computer presents an inside look at the government's quest to build a quantum computer capable of solving complex mathematical problems and hacking the public-key encryption codes used to secure the Internet. The "killer application" refers to Shor's quantum factoring algorithm, which would unveil the encrypted communications of the entire Internet if a quantum computer could be built to run the algorithm. Schrödinger's notion of quantum entanglement—and his infamous cat—is at the heart of it all. The book develops the concept of entanglement in the historical context of Einstein's 30-year battle with the physics community over the true meaning of quantum theory. It discusses the remedy to the threat posed by the quantum code breaker: quantum cryptography, which is unbreakable even by the quantum computer. The author also covers applications to other important areas, such as quantum physics simulators, synchronized clocks, quantum search engines, quantum sensors, and imaging devices. In addition, he takes readers on a philosophical journey that considers the future ramifications of quantum technologies. Interspersed with amusing and personal anecdotes, this book presents quantum computing and the closely connected foundations of quantum mechanics in an engaging manner accessible to non-specialists. Requiring no formal training in physics or advanced mathematics, it explains difficult topics, including quantum entanglement, Schrödinger's cat, Bell's inequality, and quantum computational complexity, using simple analogies.

Tolerable upper intake levels for vitamins and minerals European Commission. Scientific Committee on Food 2006