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This manual, "Theater Army Operations" (FM3-93), discusses the organization and operations of the theater army headquarters, including its role as the Army Service component command (ASCC) to the geographic combatant commander (GCC) and the relationships between the theater army headquarters and the theater enabling commands. The manual also discusses theater army responsibilities for setting the theater, Title 10 functions and responsibilities, generally referred to as the combatant commander's daily operations requirements, as well as the operational employment of the theater army's contingency command post (CCP) to directly mission command limited types of operations. Utopias - whether philosophical, literary, or actual experiments - are attempts to solve all social problems. In the wake of the attack on the World Trade Center, unfolding corporate scandals, and other devastating shocks, it is natural to search for practical lessons in utopian literature. In this collection noted sociologists renew the call to develop an altruistic social order. They address a wide variety of topics as they look for viable utopian ideas that can be applied to today's society. Written in an engaging, jargon-free style, and directed to introductory sociology students as well as anyone concerned with social problems, the book provides both visionary ideals and insights for pragmatic decision-making as we venture into an uncertain future. Presents the evidence on the effectiveness of measures enforced at the societal level to eliminate tobacco smoking and tobacco smoke from the environments where exposure takes place. This volume offers a critical review of the evidence on the economic effects and health benefits of smoke-free legislation and the adoption of voluntary smoke-free policies in households. **Fundamentals of Power Electronics, Second Edition**, is an up-to-date and authoritative text and reference book on power electronics. This new edition retains the original objective and philosophy of focusing on the fundamental principles, models, and technical requirements needed for designing practical power electronic systems while adding a wealth of new material. Improved features of this new edition include: A new chapter on input filters, showing how to design single and multiple section filters; Major revisions of material on averaged switch modeling, low-harmonic rectifiers, and the chapter on AC modeling of the discontinuous conduction mode; New material on soft switching, active-clamp snubbers, zero-voltage transition full-bridge converter, and auxiliary resonant commutated pole. Also, new sections on design of multiple-winding magnetic and resonant inverter design; Additional appendices on Computer Simulation of Converters using averaged switch modeling, and Middlebrook's Extra Element Theorem, including four tutorial examples; and Expanded treatment of current programmed control with complete results for basic converters, and much more. This edition includes many new examples, illustrations, and exercises to guide students and professionals through the intricacies of power electronics design. **Fundamentals of Power Electronics, Second Edition**, is intended for use in introductory power electronics courses and related fields for both senior undergraduates and first-year graduate students interested in converter circuits and electronics, control systems, and magnetic and power systems. It will also be an invaluable reference for professionals working in power electronics, power conversion, and analogue and digital electronics. This book concisely covers the latest developments in the application of direct oral anticoagulants (DOACs) within cardiovascular medicine. It details the pharmacodynamics and pharmacokinetic mechanisms of DOACs and their application in treating patients with conditions ranging from coronary heart disease through kidney disease and cancer, including their perioperative management. **Direct Oral Anticoagulants: From Pharmacology to Clinical Practice** systematically describes the underlying mechanisms associated with DOACs and their use to treat a range of conditions and is an indispensable resource for all

trainee and practicing physicians in a range of disciplines seeking a concise up-to-date resource on the topic. The onset of cancer presents one of the most fundamental problems in modern biology. In *Dynamics of Cancer*, Steven Frank produces the first comprehensive analysis of how particular genetic and environmental causes influence the age of onset. The book provides a unique conceptual and historical framework for understanding the causes of cancer and other diseases that increase with age. Using a novel quantitative framework of reliability and multistage breakdown, Frank unifies molecular, demographic, and evolutionary levels of analysis. He interprets a wide variety of observations on the age of cancer onset, the genetic and environmental causes of disease, and the organization of tissues with regard to stem cell biology and somatic mutation. Frank uses new quantitative methods to tackle some of the classic problems in cancer biology and aging: how the rate of increase in the incidence of lung cancer declines after individuals quit smoking, the distinction between the dosage of a chemical carcinogen and the time of exposure, and the role of inherited genetic variation in familial patterns of cancer. This is the only book that presents a full analysis of the age of cancer onset. It is a superb teaching tool and a rich source of ideas for new and experienced researchers. For cancer biologists, population geneticists, evolutionary biologists, and demographers interested in aging, this book provides new insight into disease progression, the inheritance of predisposition to disease, and the evolutionary processes that have shaped organismal design. This comprehensive and clear text familiarizes readers with the most recent information concerning bone marrow failure syndromes including anemia, leukopenia, and thrombocytopenia. 12 top experts present state-of-the-art guidance on pathophysiology and treatment, with an emphasis on chemotherapy. The result is an indispensable resource on the treatment of these often life-threatening diseases. Provides a complete understanding of individual syndromes with disease-oriented chapters. Offers a comprehensive chapter on Proximal Nocturnal Hemoglobinuria, including its biological aspects a subject that has very little previous research. Emphasizes bone marrow and stem cell transplantation protocols as well as hematologic growth factors. Organizes chapters consistently to address history * epidemiology * clinical features * differential diagnosis * and treatment Includes abundant photomicrographs and diagrams to clarify complex concepts and clinical issues. Features the expertise of several members of the National Institutes of Health in Bethesda, MD a leading center for the research and treatment of these syndromes. The American Jewish Year Book, now in its 118th year, is the annual record of the North American Jewish communities and provides insight into their major trends. The first two chapters of Part I include a special forum on "Contemporary American Jewry: Grounds for Optimism or Pessimism?" with assessments from more than 20 experts in the field. The third chapter examines antisemitism in Contemporary America. Chapters on "The Domestic Arena" and "The International Arena" analyze the year's events as they affect American Jewish communal and political affairs. Three chapters analyze the demography and geography of the US, Canada, and world Jewish populations. Part II provides lists of Jewish institutions, including federations, community centers, social service agencies, national organizations, synagogues, Hillels, day schools, camps, museums, and Israeli consulates. The final chapters present national and local Jewish periodicals and broadcast media; academic resources, including Jewish Studies programs, books, journals, articles, websites, and research libraries; and lists of major events in the past year, Jewish honorees, and obituaries. Today, as it has for over a century, the American Jewish Year Book remains the single most useful source of information and analysis on Jewish demography, social and political trends, culture, and religion. For anyone interested in Jewish life, it is simply indispensable. David Harris, CEO, American Jewish Committee (AJC), Edward and Sandra Meyer Office of the CEO The American Jewish Year Book stands as an unparalleled resource for scholars, policy makers, Jewish community professionals and thought leaders. This authoritative and comprehensive compendium of facts and figures, trends and key issues, observations and essays, is the essential guide to contemporary American Jewish life in all its dynamic multi-dimensionality. Christine Hayes, President, Association for Jewish Studies (AJS) and Robert F. and Patricia R. Weis Professor of Religious Studies in Classical Judaica at Yale University Something strange is happening in the country town of Hollow -- a mysterious syndrome that seems to strike only the young. The town is quarantined, schools are closed and fences go up. Guards patrol new enforced borders, but amongst the townsfolk denial runs deep. Part science-fiction, part satire, *Falling Petals* is a darkly humorous fable about the consequences of a culture of disposable youth and it also blasts the urban/rural fissure open. (1 act, 2 male, 3 female). "This book addresses how the U.S. military can help prepare its personnel to work successfully with partner agencies. We consider the types of tasks necessary to work with others; assess how well the current slate of training, exercises, and education prepares DoD personnel to work with others; and make recommendations about how DoD might improve its preparation for such operations."--BOOK JACKET. What happens to "orphan" diseases that aren't big enough profit centers for the pharmaceutical industry or get caught in the web of government funding and academic research? Augie Nieto found out in the spring of 2005: At forty-seven years old he was diagnosed with ALS. Devastated, Augie struggled with depression and attempted suicide. When he awoke from a coma, with friends and family surrounding him, his sense of faith and mission were renewed. Fast-forward one year: Augie and his wife, Lynne, were profiled as "Real Heroes" on the Today show. Their determination to beat the disease had already led to major overhauls in the way ALS research was conducted. In partnership with the Muscular Dystrophy Association, Augie had set up a foundation and lab to coordinate and oversee ALS research and testing across the globe. By centralizing operations and championing an entrepreneurial approach to medical research, Augie and his team accomplished remarkable results in less than two years. Part inspiration, part business innovation, Augie's Quest illustrates how one person can make a meaningful difference. Praise for Augie Nieto: George H. W. Bush, former U.S. president: "Your contributions to the fitness industry are well known, and your dedication an inspiration." Lance Armstrong, seven-time "Le Tour de France" champion: "I think it says a lot about Augie, the fact that everybody came together regardless of whether or not it's for competing gyms or competing companies that make equipment. They all say, this is one of our own; this is a guy who's committed his life to our industry and has been dealt a serious blow. We're going to be there for him, we're going to say, we're here for you and we're part of the Quest." Arnold Schwarzenegger, governor of California: "Your success has been incredible. But you are so much more than just a successful businessman. You are the greatest husband, a great father, and a terrific friend. So, There are not many books that address the boundaries of care of older people from a work-life perspective. This book, authored by contributors from various countries, looks at the boundaries of care by looking at private and public help, professional and personal help and paid and unpaid caregivers. It captures and conceptualizes the complexity of the intersection of work and home life as it relates to the provision of assistance and support to older relatives in a variety of "care work" contexts. It explores these issues within a critical framework, rather than from an assumed stress or burden perspective, which dominates current texts on the topic. Readers of this volume will gain a deeper understanding of issues of care provision amongst "networks" of careers and helpers, and of the particular dynamics of care when it is episodic or framed by constraints of space and time as a result of geography. In addition, each chapter addresses issues of diversity with sensitivity to gender, race and ethnicity. This book will be of use to academics and graduate students in Gerontology, Family Studies, IO psychology, Gender Studies and Sociology. Processing and Presentation of Antigens ... At the core of this book lies the question how to approach medicines, risks and communication as a researcher - or anybody planning and evaluating a communication intervention, or wanting to understand communication events in private and the media. With a view to tackle current shortcomings of communication systems and processes for improved implementation, patient satisfaction and health outcomes, a multilayered approach is presented. This combines multiple data types and methods to obtain a wider and deeper understanding of the major parties and their interactions, as well as the healthcare, social and political contexts of information flows, how they interfere and which impact they have. Illustrated with real life experiences of safety concerns with medicines, worldwide active experts discuss the methods and contributions their disciplines can offer. With considerations on terminologies, tabulated overviews on communication types and outcomes, a patient-centred vision and plain language for non-medical readers, the book creates a platform for multidisciplinary collaborations amongst researchers as well as practitioners from communications, healthcare, the social sciences and pharmacovigilance. Importantly, it advocates for an active role of patients and highlights the achievements and aspirations of patient organisations. Finally, the book suggests establishing an inclusive discipline of humanities and epidemiology of medicinal product risk communication to realise full research potential. The authors are driven by the curiosity for communication as the most human behaviour, and as good health is amongst the basic human needs, medicinal product risk communication is an exciting research field of high global relevance. Over 3 million copies sold! Essential reading for Catholics of all walks of life. Here it is - the first new Catechism of the Catholic Church in more than 400 years, a complete summary of what Catholics around the world commonly believe. The Catechism draws on the Bible, the Mass, the Sacraments, Church tradition and teaching, and the lives of saints. It comes with a complete index, footnotes and cross-references for a fuller understanding of every subject. The word catechism means "instruction" - this book will serve as the standard for all future catechisms. Using the tradition of explaining what the Church believes (the Creed), what she celebrates (the Sacraments), what she lives (the Commandments), and what she prays (the Lord's Prayer), the Catechism of the Catholic Church offers challenges for believers and answers for all those interested in learning about the mystery of the Catholic faith. The Catechism of the Catholic Church is a positive, coherent and contemporary map for our spiritual journey toward transformation. A provocative imagining of the later years of the mother of Jesus finds her living a solitary existence in Ephesus years after her son's crucifixion and struggling with guilt, anger and feelings that her son is not the son of God and that His sacrifice was not for a worthy cause. By the award-winning author of *The Master*. 25,000 first printing. Enhance your teaching with expert advice and

support for Key Stages 3 and 4 Physics from the Teaching Secondary series - the trusted teacher's guide for NQTs, non-specialists and experienced teachers. Written in association with ASE, this updated edition provides best practice teaching strategies from academic experts and practising teachers. - Refresh your subject knowledge, whatever your level of expertise - Gain strategies for delivering the big ideas of science using suggested teaching sequences - Engage students and develop their understanding with practical activities for each topic - Enrich your lessons and extend knowledge beyond the curriculum with enhancement ideas - Improve key skills with opportunities to introduce mathematics and scientific literacy highlighted throughout - Support the use of technology with ideas for online tasks, video suggestions and guidance on using cutting-edge software - Place science in context; this book highlights where you can apply science theory to real-life scenarios, as well as how the content can be used to introduce different STEM careers Also available: Teaching Secondary Chemistry, Teaching Secondary Biology

This public inquiry report into serious failings in healthcare that took place at the Mid Staffordshire NHS Foundation Trust builds on the first independent report published in February 2010 (ISBN 9780102964394). It further examines the suffering of patients caused by failures by the Trust: there was a failure to listen to its patients and staff or ensure correction of deficiencies. There was also a failure to tackle the insidious negative culture involving poor standards and a disengagement from managerial and leadership responsibilities. These failures are in part a consequence of allowing a focus on reaching national access targets, achieving financial balance and seeking foundation trust status at the cost of delivering acceptable care standards. Further, the checks and balances that operate within the NHS system should have prevented the serious systemic failure that developed at Mid Staffs. The system failed in its primary duty to protect patients and maintain confidence in the healthcare system. This report identifies numerous warning signs that could and should have alerted the system to problems developing at the Trust. It also sets out 290 recommendations grouped around: (i) putting the patient first; (ii) developing a set of fundamental standards, easily understood and accepted by patients; (iii) providing professionally endorsed and evidence-based means of compliance of standards that are understood and adopted by staff; (iv) ensuring openness, transparency and candour throughout system; (v) policing of these standards by the healthcare regulator; (vi) making all those who provide care for patients, properly accountable; (vii) enhancing recruitment, education, training and support of all key contributors to the provision of healthcare; (viii) developing and sharing ever improving means of measuring and understanding the performance of individual professionals, teams, units and provider organisations for the patients, the public, and other stakeholders. This book details the development of methods and models to study the HIV-1 viral reservoir with the ultimate goal of achieving a functional cure of HIV infection. Chapters are divided into six parts covering cell lines, in vitro and ex vivo primary cell models of persistent infection, in vitro and ex vivo tissue-derived models, infected animal models human immune cells, methods of detection and analysis of the reservoir, and current approaches to achieve either a functional cure or cART-free long-term remission. Written in the format of the highly successful Methods in Molecular Biology series, each chapter includes an introduction to the topic, lists necessary materials and reagents, includes tips on troubleshooting and known pitfalls, and step-by-step, readily reproducible protocols. Authoritative and cutting-edge, HIV Reservoirs: Methods and Protocols provides a comprehensive, updated collection of state-of-art methodologies and models to tackle the HIV-1 viral reservoir. South Asia has grown rapidly with significant reductions in poverty, but it has not been able to match the fast-growing working age population, leading to lingering concerns about jobless growth and poor job quality. Could export growth in South Asia result in better labor market outcomes? The answer is yes, according to our study, which rigorously estimates—using a new methodology—the potential impact from higher South Asian exports per worker on wages and employment over a 10-year period. Our study shows the positive side of trade. It finds that increasing exports per worker would result in higher wages—mainly for better-off groups, like more educated workers, males, and more-experienced workers—although less-skilled workers would see the largest reduction in informality. How can the benefits be spread more widely? Our study suggests that scaling up exports in labor-intensive industries could significantly lower informality for groups like rural and less-educated workers in the region. Also, increasing skills, and participation of women and young workers in the labor force could make an even bigger dent in informal employment. The region could achieve these gains by: (i) boosting and connecting exports to people (e.g., removing trade barriers and investment in infrastructure); (ii) eliminating distortions in production (e.g., by more efficient allocation of inputs); and (iii) protecting workers (e.g., by investing in education and skills). This first edition of a new series follows the tried and true format of the Annual Reviews, which presents articles by specialists that report on the latest research in key areas of the field. This volume contains 23 articles, on broad topics that include the history of clinical psychology in the U.S. (by Ludy T. Benjamin, Jr. of Texas A&M U.); st In the years following the terrorist attacks of September 11, 2001, the Navy has carried out a variety of irregular warfare (IW) and counterterrorism (CT) activities. Among the most readily visible of these were operations carried out by Navy sailors serving ashore in the Middle East and Afghanistan, as well as the May 1-2, 2011, U.S. military operation in Abbottabad, Pakistan, that killed Osama bin Laden. During these years, the Navy took certain actions intended to improve its IW capabilities. For example, the Navy established the Navy Expeditionary Combat Command (NECC) informally in October 2005 and formally in January 2006. NECC consolidated and facilitated the expansion of a number of Navy organizations that have a role in IW operations. The Navy also established the Navy Irregular Warfare Office in July 2008, published a vision statement for irregular warfare in January 2010, and established "a community of interest" (COI) to develop and advance ideas, collaboration, and advocacy related to IW in December 2010. The Navy during these years also reestablished its riverine force and initiated The Global Maritime Partnership, which was a U.S. Navy initiative to achieve an enhanced degree of cooperation between the U.S. Navy and foreign navies, coast guards, and maritime police forces, for the purpose of ensuring global maritime security against common threats. In addition, the Navy operated the Southern Partnership Station (SPS) and the Africa Partnership Station (APS), which were Navy ships, such as amphibious ships or high-speed sealift ships, that deployed to the Caribbean and to waters off Africa, respectively, to support U.S. Navy engagement with countries in those regions, particularly for purposes of building security partnerships with those countries and for increasing the capabilities of those countries for performing maritime-security operations. The Navy's current IW and CT activities pose a number of potential oversight issues for Congress, including how much emphasis to place on IW and CT activities in Navy budgets, particularly in a context of constraints on Navy budgets and Navy desires to devote resources to developing "high end" combat capabilities for countering improved conventional military capabilities of countries such as China and Russia. As populations age around the world, increasing efforts are required from both families and governments to secure care and support for older and disabled people. At the same time both women and men are expected to increase and lengthen their participation in paid work, which makes combining caring and working a burning issue for social and employment policy and economic sustainability. International discussion about the reconciliation of work and care has previously focused mostly on childcare. Combining paid work and family care widens the debate, bringing into discussion the experiences of those providing support to their partners, older relatives and disabled or seriously ill children. The book analyses the situations of these working carers in Nordic, liberal and East Asian welfare systems. Highlighting what can be learned from individual experiences, the book analyses the changing welfare and labour market policies which shape the lives of working carers in Finland, Sweden, Australia, England, Japan and Taiwan. Quantum Field Theory is now well recognized as a powerful tool not only in Particle Physics but also in Nuclear Physics, Condensed Matter Physics, Solid State Physics and even in Mathematics. In this book some current applications of Quantum Field Theory to those areas of modern physics and mathematics are collected, in order to offer a deeper understanding of known facts and unsolved problems. This book presents the best articles and columns published in Java Report between 1997 and 1999. Each article is independent of any specific version of Java and relies mainly on those classes that are now part of the standard Java class library and APIs. Also, each article and column discusses Java topics and implementations that are not readily available in a single book. The book serves as an excellent reference to anyone involved with Java. The reader can learn more about the language, perform analysis, design and modeling, work on specific implementations, check performance, and perform testing. This book presents the good ideas of people who have used Java for "Real" applications. Coordination chemistry, as we know it today, has been shaped by major figures from the past, one of whom was Joseph Chatt. Beginning with a description of Chatt's career presented by co-workers, contemporaries and students, this fascinating book then goes on to show how many of today's leading practitioners in the field, working in such diverse areas as phosphines, hydrogen complexes, transition metal complexes and nitrogen fixation, have been influenced by Chatt. The reader is then brought right up-to-date with the inclusion of some of the latest research on these topics, all of which serves to underline Chatt's continuing legacy. Intended as a permanent record of Chatt's life, work and influence, this book will be of interest to lecturers, graduate students, researchers and science historians. Identifies specific print and broadcast sources of news and advertising for trade, business, labor, and professionals. Arrangement is geographic with a thumbnail description of each local market. Indexes are classified (by format and subject matter) and alphabetical (by name and keyword).