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David I.A. Millar's thesis explores the effects of extreme conditions on energetic materials. His study identifies and structurally characterises new polymorphs obtained at high pressures and/or temperatures. The performance of energetic materials (pyrotechnics, propellants and explosives) can depend on a number of factors including sensitivity to detonation, detonation velocity, and chemical and thermal stability. Polymorphism and solid-state phase transitions may therefore have significant consequences for the performance and safety of energetic materials. In order to model the behaviour of these important materials effectively under operational conditions it is essential to obtain detailed structural information at a range of temperatures and pressures.

A queen of society is a woman who, by force of her reputation, good management, abilities, manners, and even her rank and fortune commands a circle of persons of eminence, of fashion, and of celebrity. So say "Grace and Philip Wharton"-a dual pseudonym for one writer, British author KATHERINE BYERLEY THOMSON (1797-1862), who also wrote the three-volume *Memoirs of the Jacobites of 1715 and 1745*-by way of introduction to this charming two-volume collection of biographies of some of the most marvelous women of their day. First published in 1861, this is a replica of the beautifully illustrated 1890 second edition. It will delight readers of aristocratic lives and fans of modern fabulosity.

Discusses concepts that unify the physical sciences with life, Earth, and space science. Examining topics such as natural hazards, global challenges, and the history and nature of science, this title complements the material typically taught in high school and college physics and chemistry courses.

Create more powerful, flexible applications using a new extension of the XML standard Programmers are finding that the XMI extension of the XML standard provides a lot more flexibility in writing software for sharing data. Written by one of the principal authors of XMI, this book provides programmers with everything they need to know to best utilize this extension. The authors cover the basics first, detailing the essential concepts and explaining how XMI relates to XML and UML. Readers will then learn how to program with XMI, including how to express data in XMI, create XMI documents with Java, and merge documents. Samples of real-world XMI applications are also included throughout the book that show how IBM is using XMI with data warehousing and how to convert simple relational databases into XMI. CD-ROM includes sample XMI source code and software tools for developing XMI and XML applications.

Many books have been written about war, but few have focused on how wars can be brought to an end. Wars are rarely inevitable however and this book is aimed at understanding how violent conflicts can be brought to a close through intervention, mediation and political negotiation. The simple premise underlying the book is that wars between states and wars within states are generally fought by rational people for particular political goals or perceived interests. War is better understood as a methodology rather than an ideology. When the context, issues and actors in these armed conflicts change then it is often possible to control, or even

transform such violence. By bringing together a number of existing debates from peace and conflict research as well as scholars of international relations, the book examines the dynamic forces that lie behind the ending of wars and how these have changed over time. Examples are drawn from a wide range of armed conflicts to analyse the efforts that have been made to move from War-War to Jaw-Jaw, or more typically Jaw-War. Efforts at third-party intervention, mediation and political negotiation across a range of conflict zones from Europe to Sub-Saharan Africa are discussed in full. Neither idealistic nor fatalistic, this book is a must-read for all students of international politics and security studies.

Covers the myths and legends of the Russian Empire at its greatest extent as well as other Slavic people and countries. Includes historical, geographical, and biographical background information.

Entries cover authors, critics, major works, magazines, genres, and schools and movements of Latin American and Caribbean literature.

This text offers comprehensive coverage of microwave topics in one volume. It provides descriptions, analysis and up-to-date specific applications in radar and communications including the new wireless technologies. This edition includes coverage of microwave topics, a software tutorial (on an accompanying diskette) with detailed information on thermionic microwave devices (especially relevant in satellite technology), and an applications chapter on new and emerging microwave technology. All maths is kept at the algebra or simple trigonometry levels and the book assumes a familiarity with alternating current theory.

Bewitched meets Murder She Wrote in this delightful new cozy mystery series featuring Ophelia Jensen, small town librarian and reluctant psychic, and her grandmother Abby, a benevolent witch. Thirty something Ophelia Jensen wants to live a quiet life as a small town librarian. She's created a comfortable existence with her kooky, colorful grandmother Abby, and if it were up to her, they could live out their days—along with Ophelia's dog Lady and cat Queenie—in peace and quiet. But, to Ophelia's dismay, she and Abby aren't a typical grandmother/granddaughter duo. She possesses psychic powers, and Abby is a kindly witch. And while Ophelia would do anything to dismiss her gift—harboring terrible guilt after her best friend was killed and she was unable to stop it—threatening events keep popping up, forcing her to tap into her powers of intuition. To make matters worse, a strange—yet devastatingly attractive—man is hanging around Ophelia's library, and no matter how many times she tells him she's sworn off men forever, he persists. Soon this handsome newcomer reveals he's following a lead on a local drug ring, and then a dead body shows up right in Abby's backyard. And much as Ophelia would like to put away her spells forever, she and Abby must use their special powers to keep themselves, and others, out of harm's way.

Japanese cuisine has developed over centuries as a result of many political and social changes. From traditional-style Japanese food to foods whose ingredients or cooking methods were introduced from abroad, Japanese cuisine is known for its emphasis on seasonality of food, quality of ingredients and presentation. Master sushi chef and classically trained

in the art of Japanese cooking and presentation, Hideo shares his knowledge in this comprehensive guide to Japanese cuisine. This book contains information on how to prepare, store and use hundred of ingredients and the many different utensils, and contains a 16-page colour section of photos for easy reference. Hideo weaves historical information on such topics as the tea ceremony, ceramics and the cooking knife's ceremony alongside plenty of practical information to create authentic Japanese dishes at home.

Blast off into space to discover the galaxies and beyond with the new edition of this out-of-this-world reference Send your child on an amazing journey into space. They'll see the Hubble telescope orbiting the Earth, discover the birth of our solar system and follow the search for life on Mars. Packed with practical tips for the amateur astronomer, spectacular images from space, detailed charts and fantastic facts. Perfect for home or school, there are even instructions on building a simple telescope! Supports Common Core State Standards.

Ending Terrorism in Italy analyses processes of disengagement from terrorism, as well as the connected issues of reconciliation, truth and justice. It examines in a critical and original way how terrorism came to an end in Italy (Part I), and the legacy it has left behind (Part II). The book interrogates a wide array of published memoirs and a considerable number of new face-to-face interviews with both former terrorists and first and second generation victims In the last two decades, and especially in recent years, former extreme-right terrorists in Italy have started to talk about their past involvement in terrorist violence, including, for the first time, acts of violence which have for decades been considered taboo, that is to say, bomb attacks against innocent civilians. These narratives add to the perspectives offered by members of left-wing terrorist groups, such as the Red Brigades and Prima Linea. Surprisingly, these narratives have not been systematically examined, yet they form a unique and extremely rich source of first-hand testimony, providing invaluable insights into processes of youth radicalization and de-radicalization, the social re-integration of ex-terrorists, as well as personal and collective healing. Even less attention has been paid to the victims' narratives or stories. Indeed, the views and activities of the victims and their associations have been seriously neglected in the scholarly literature on terrorism, not just in Italy, but elsewhere in Europe. The book therefore examines the perspectives of the victims and relatives of victims of terrorism, who over the years have formed dedicated associations and campaigned relentlessly to obtain justice through the courts, with little or no support from the state and, especially in the case of the bombing massacres, with increasing awareness that the state played a role in thwarting the course of justice. Ending Terrorism in Italy will be of interest to historians, social scientists and policy makers as well as students of political violence and post-conflict resolution. .

"The Encyclopedia of Microcomputers serves as the ideal companion reference to the popular Encyclopedia of Computer

Science and Technology. Now in its 10th year of publication, this timely reference work details the broad spectrum of microcomputer technology, including microcomputer history; explains and illustrates the use of microcomputers throughout academe, business, government, and society in general; and assesses the future impact of this rapidly changing technology."

Molly, a sassy Australian waitress, is haunted by the ghost of a murdered Polish Jew. The two young women's stories, each a compelling page-turner, combine teasingly in one as 'End of the Night Girl' explores shadows cast by the Holocaust across decades, continents and cultures. 'A brilliant testimonial to the power of the literary imagination.' - Nicholas Jose. 'Clothed in prose that sparks and simmers, End of the Night Girl slowly reveals her dark and beautiful bones.' - Carol Lefevre. 'Amy Matthews' world of gritty realism is foreshadowed by an older, more traditional society about to be invaded by chaos and horror. One cannot help admiring Matthews' accuracy of observation and her subtle placement of emotion in the uncovering of these parallel universes through the coalescence of memory and imagination. This is a remarkable novel of contemporary rootlessness, haunted histories and redemptive decency.' - Brian Castro. 'Can atrocity be changed somehow in art? This book cannot answer this, but it powerfully suggests that the creative act is meaningful even when atrocity is too big for us to mould it. As Molly attempts to imagine and create from an atrocity she hasn't shared, she herself is remade.' - Eva Hornung. 'End of the Night Girl' was Winner of the 2010 Adelaide Festival Award for Best Unpublished Manuscript.

Volume 4 of the Encyclopedia of the Alkaloids covers the literature to the end of 1981 and includes those compounds which have been discovered since Volume 3 was published in 1977. There is also a small number of entries giving recently determined structure or additional information regarding alkaloids given in the preceding three volumes. It is a great pleasure to thank the staff of the John Rylands Science Library of the University of Manchester for kindly providing me with access to the literature on this subject. Woodhouses, JOHN S. GLASBY Manchester, England May, 1982

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..... 371 A ACETYLALLOYOHIMBINE (Alkaloid NRB6) C₂₃H₂SN₂O₃ M. p. Indefinite I I OAc The root bark of Rauwolfia nitida yields this yohimbine-type alkaloid which has been obtained as an off-white amorphous powder having no definite melting point. The base is lae 2 vorotatory with a specific rotation of [a]_D²⁵ -89° (c 0. 01, CHCl₃) and gives an ultraviolet 3 spectrum in MeOH with absorption maxima at 225,284 and 290 nm. The structure has been established from chemical and spectroscopic analysis. M. A. Amer, W. E. Court, Phytochem. , 20,2569 (1981) 14-ACETYLBROWNINE ____ :(OMe M. p.

BEST OF THE WEST A veteran trail driver, who has survived thundering stampedes and Comanche raids, discovers there's nothing so dangerous as courting a beautiful woman. . . . A brutally beaten homesteader crawls off to die—only to stumble upon an ancient talisman that restores his will to live. . . . This treasure trove of stories captures the grit, grandeur, and the glory of the men and women who wielded pistol and plow, Bible and branding iron to tame a wild country. A mysterious preacher rides into town to deliver a warning that leads to a surprising revelation. . . . And in the full-length novella Rustler Roundup, the hardworking citizens of a law-abiding town are pushed to the edge as rumors of rustlers in their midst threaten to turn neighbor against neighbor. Each of these unforgettable tales bears the master's touch—comic twists, stark realism, crackling suspense—all the elements that have made Louis L'Amour an American legend.

This two-volume set provides a one-stop resource on invasive plants, animals, fungi, and even microorganisms in the United States, which are threatening native ecosystems, agriculture, economies, and human health.

The picture of innocence, Miss Mabel Anderson, and the sister of a cleric. But many people in her port town of Salford lived in poverty, their only chance at making a decent living being the smuggling trade. Mab inadvertently found herself the leader of this group, but a government agent, Sir Stamford Wicklow, was come to town specifically to discover the leader's identity—and imprison the villain. Regency Romance by Joan Smith; originally published by Fawcett Coventry

Presents five hundred artists and their works, ranging from Puritanist portraits and the luminous paintings of the Hudson River School to the digital works of today's Conceptual artists, arranged in alphabetical order.

First published in 1994. Routledge is an imprint of Taylor & Francis, an informa company.

Based on Rudyard Kipling's timeless stories and inspired by Disney's classic animated film, The Jungle Book is an all-new live-action epic adventure about Mowgli, a man-cub who's been raised by a family of wolves. But Mowgli finds he is no longer welcome in the jungle when fearsome tiger Shere Khan, who bears the scars of Man, promises to eliminate what he sees as a threat. Urged to abandon the only home he's ever known, Mowgli embarks on a captivating journey of self-discovery, guided by panther-turned-stern mentor Bagheera, and the free-spirited bear Baloo. Fans of Disney The Jungle Book will love this graphic novel-style re-telling of the new live-action motion picture from

Disney. "

An informative compendium of surprising ways you might die a horrible death at any moment from humor writers Henry Beard and Christopher Cerf.

Overwhelming arrogance demands that Damian Marcel claim Jamie Walsh no matter who vies against them. For she is the only woman who can sate this powerful were's untamed hunger. But Jamie believes Damian is the Draicon werewolf who murdered her brother. She fights the dominating male at every step—only to succeed in binding herself to him. Now the same magick that links them together is slowly killing Jamie, for she is infected with a spell that's turning her to stone. As they race against time to find a cure and to ward off attacks from the evil Morphs, dare Damian hope that his draicara will finally accept him as her lover...forever?

Having a dream and aiming for it . . . a gentle coming-of-age novel for girls by much-loved YA novelist Fleur Beale. Ruby Yarrow is a 14 year old who lives in a busy, loving, chaotic family with her mum, stepdad, brother and two little stepbrothers. Ruby feels a bit like a doormat - she has to help out while her brother doesn't. He wins lots of prizes at school but she has a learning difficulty and needs a reader/writer to help her in exams. What's more, her surname, Yarrow, is at the end of the alphabet and when the roll gets called out she's always at the end . She hates it. She feels she's always at the end of the line. Not that Ruby is a misery bag at all. She's bright, vibrant and a really neat character. She has great friends and loves clothes, fashion magazines and sewing, which she has a real knack for. She's very keen to go on the school trip to Brazil and so she gets a job to earn the money for her airfare, working in a supermarket for an old grump. She also learns a bit of Portuguese and meeting exchange students. Ruby doesn't get to go on the trip but she stands up to her parents, gets some backbone and starts to see herself in a much better light. There's even a bit of romance. This book is about having a dream and aiming for it. But it's not sentimental - it's a great read, very real and it has a lovely upbeat tone.

This reference serves as the first source to gather current data from endothelial cell biologists in various disciplines to summarize recent progress in the field-providing a complete understanding of the endothelium in health and disease and demonstrating its potential as a therapeutic target.

Endgame in Afghanistan: For Whom the Dice Rolls covers a wide territory related to the war in Afghanistan, the stakes the whole world-and not just the United States-has in it, and its possible outcome. It shows that it is not merely a war for the future of Afghanistan, but a conflict between the regressive worldview of the Taliban and al Qaeda and modernity. The book examines the consequences of an American exit from Afghanistan under circumstances indicating a defeat; the ability of the Karzai government or its successor to hold its own thereafter; and the regional and global geo-strategic consequences, including those on Pakistan, of a Taliban-al Qaeda takeover of Afghanistan. It also explores the possibility of the United States arriving at a peace settlement with the Taliban as well as that of the Americans winning the Afghan war. Taking an analytical multi-disciplinary approach, coupled with meticulous research, this book focuses on areas hitherto neglected. Linking known but scattered information in entirely new and cohesive analyses, the author presents the kind of comprehensive picture of the Afghan war and its consequences that no other book has done.

The multidisciplinary nature of marine sciences (Geology, Biology, Physics, Chemistry, and Oceanography) is reflected in this

references 1,980 up-to-date, alphabetically listed keywords with illustrations. These keywords provide valuable time-saving assistance when studying marine scientific literature. The brief explanation of the concepts, terminology, and methods makes this book more valuable than a pure glossary or dictionary.

The last time Andreas Ferrante saw Sienna Baker, she was naively trying to seduce him. While her provocative sensuality is emblazoned on Andreas's memory, the terrible consequences torment him. So the news that they must marry to secure his inheritance is unthinkable.... Once devastated by his heartless rejection, seeing Andreas again makes Sienna's humiliation burn brighter. And as for marrying him? They'd be lucky to last the ceremony without killing each other! But there's a fine line between love and hate.... Will these flames of anger turn to white-hot passion on their wedding night?

This book describes all the different feelings I have felt throughout my life about love. Times when I thought I was in love and times when I was in love. These feelings for me started as a teenager and continued during my life. Sometimes we can't explain to our love ones what we need to say, and since I have that gift, I want to share it with all the lovers and friends throughout the world.

Vibration Analysis with SOLIDWORKS Simulation 2018 goes beyond the standard software manual. It concurrently introduces the reader to vibration analysis and its implementation in SOLIDWORKS Simulation using hands-on exercises. A number of projects are presented to illustrate vibration analysis and related topics. Each chapter is designed to build on the skills and understanding gained from previous exercises. Vibration Analysis with SOLIDWORKS Simulation 2018 is designed for users who are already familiar with the basics of Finite Element Analysis (FEA) using SOLIDWORKS Simulation or who have completed the book Engineering Analysis with SOLIDWORKS Simulation 2018. Vibration Analysis with SOLIDWORKS Simulation 2018 builds on these topics in the area of vibration analysis. Some understanding of structural analysis and solid mechanics is recommended.

Ender's Game, Orson Scott Card's award-winning 1985 novel, has been discovered and rediscovered by generations of science fiction fans and young adult readers, banned and challenged in schools, assigned in high school English classes, and adopted as reading by the US Marine Corps. Ender's Game and its sequels explores rich themes—the violence and cruelty of children, the role of empathy in war, and the balance of individual dignity and the social good—with compelling elements of a coming-of-age story and exciting and immersive battle scenes. Ender's Game and Philosophy brings together over thirty philosophers to engage in wide-ranging discussion on the troubling, exciting, and fascinating issues raised in and amidst the excitement and fear of Orson Scott Card's novels and Gavin Hood's film. Authors address issues such as: the justifiability of pre-emptive strikes, how Ender's disconnected and dispassionate violence is mirrored in today's drone warfare, whether the end of saving the species can justify the most brutal means, the justifiability of lies and deception in wartimes, how military schools produce training in virtue, how Ender as the "good student" is held to a different educational standard, which rules can be broken in games and which cannot, Ender's world as a mirror of our own surveillance society, the moral hazards of child warriors, the value of Ender's ability to sympathize with his enemies, the meaning of a "hive-mind," the limits of our ability to relate to one, the relationship between Ender's story and Card's Mormonism. The authors of Ender's Game and Philosophy challenge readers to confront and work

through the conceptual and emotional challenges that Ender's Game presents, bringing a new light on the idea of a just war, the virtues of the soldier, the nature of childhood, the social value and moral corruption of lies and deception, the practices of education and of leadership, and the serious work of playing games.

'Heartfelt and timely' CHRIS CLEAVE, New York Times bestselling author of Everyone Brave is Forgiven •• When family tragedy strikes, Alice Fonseka, the dreamy, artistic child of a Singhalese mother and Tamil father, leaves the beautiful island of Sri Lanka. Unable to bear the injustice of what has happened, her family heads for England. There, in a totally foreign environment, Alice builds a life for herself and finds outlets for her art. But she remains restless, haunted by memories of the past, and, even in London, the threat of violence is never far away.

A PAINFUL PAST Hanna Kessler's childhood secret has remained buried for over two decades. But when the dark shadows of her past threaten to destroy those she loves, Hanna must face the summer that changed her life and the man who still haunts her memories. A RACIALLY-MOTIVATED KILLER As a Crimes Against Children FBI Agent, Michael Parker knows what it means to get knocked down. Difficult cases and broken relationships have plagued his entire year. But when the system fails and a white supremacist is set free, Michael's drive for retribution eclipses all else. A LIFE-ALTERING CHOICE A racist's well-planned assault forces Hanna and Michael to decide between executing vengeance and pursuing justice. The dividing line between the two is the choice to heal. But when the attack turns personal, is justice enough?

This book provides practical guidance on end of life management for patients with renal disease. It is presented in easily accessible, bullet point style, and is illustrated with case histories from real life patients, and drug tables.

Describes Latin American theater from pre-Columbian times to the present, with sections on each country and entries for playwrights, theaters, and cultural movements, placing them within the context of international literature.

The long-awaited companion piece to Derrick Jensen's immensely popular and highly acclaimed works A Language Older Than Words and The Culture of Make Believe. Accepting the increasingly widespread belief that industrialized culture inevitably erodes the natural world, Endgame sets out to explore how this relationship impels us towards a revolutionary and as-yet undiscovered shift in strategy. Building on a series of simple but increasingly provocative premises, Jensen leaves us hoping for what may be inevitable: a return to agrarian communal life via the disintegration of civilization itself.

Establishing adaptive control as an alternative framework to design and analyze Internet congestion controllers, End-to-End Adaptive Congestion Control in TCP/IP Networks employs a rigorously mathematical approach coupled with a lucid writing style to provide extensive background and introductory material on dynamic systems stability and neural network

approximation; alongside future internet requests for congestion control architectures. Designed to operate under extreme heterogeneous, dynamic, and time-varying network conditions, the developed controllers must also handle network modeling structural uncertainties and uncontrolled traffic flows acting as external perturbations. The book also presents a parallel examination of specific adaptive congestion control, NNRC, using adaptive control and approximation theory, as well as extensions toward cooperation of NNRC with application QoS control. Features: Uses adaptive control techniques for congestion control in packet switching networks Employs a rigorously mathematical approach with lucid writing style Presents simulation experiments illustrating significant operational aspects of the method; including scalability, dynamic behavior, wireless networks, and fairness Applies to networked applications in the music industry, computers, image trading, and virtual groups by techniques such as peer-to-peer, file sharing, and internet telephony Contains working examples to highlight and clarify key attributes of the congestion control algorithms presented Drawing on the recent research efforts of the authors, the book offers numerous tables and figures to increase clarity and summarize the algorithms that implement various NNRC building blocks. Extensive simulations and comparison tests analyze its behavior and measure its performance through monitoring vital network quality metrics. Divided into three parts, the book offers a review of computer networks and congestion control, presents an adaptive congestion control framework as an alternative to optimization methods, and provides appendices related to dynamic systems through universal neural network approximators.

Graduate-level study for engineering students presents elements of modern probability theory, information theory, coding theory, more. Emphasis on sample space, random variables, capacity, etc. Many reference tables and extensive bibliography. 1961 edition.

This work examines spoken language as a field of study, looking at the various ways in which we can both theorize the place of talk in education, and examine the way talk is actually done in educational settings. It brings quite different and important perspectives to the study of education. It is relevant to teachers at primary, secondary and tertiary levels and for researchers interested in spoken language in educational contexts.

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