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Beans, Bullets, and Black Oil SIAM

Iola Leroy, or Shadows Uplifted is a work by Frances E. W. Harper. It deals with the social topics of education for women and social responsibility. Frances Ellen Watkins Harper (1825 – 1911) was an American abolitionist, suffragist, poet, teacher, public speaker, and writer. Beginning in 1845, she was one of the first African-American women to be published in the United States.

Mutiny at Fort Jackson Pickle Partners Publishing

New Orleans was the largest city--and one of the richest--in the Confederacy, protected in part by Fort Jackson, which was just sixty-five miles down the Mississippi River. On April 27, 1862, Confederate soldiers at Fort Jackson rose up in mutiny against their commanding officers. New Orleans fell to Union forces soon thereafter. Although the Fort Jackson mutiny marked a critical turning point in the Union's campaign to regain control of this vital Confederate financial and industrial center, it has received surprisingly little attention from historians. Michael Pierson examines newly uncovered archival sources to determine why the soldiers rebelled at such a decisive moment. The mutineers were soldiers primarily recruited from New Orleans's large German and Irish immigrant populations. Pierson shows that the new nation had done nothing to encourage poor white men to feel they had a place of honor in the southern republic. He argues that the mutineers actively sought to help the Union cause. In a major reassessment of the Union administration of New Orleans that followed, Pierson demonstrates that Benjamin "Beast" Butler enjoyed the support of many white Unionists in the city. Pierson adds an urban working-class element to debates over the effects of white Unionists in Confederate states. With the personal stories of soldiers appearing throughout, Mutiny at Fort Jackson presents the Civil War from a new perspective, revealing the complexities of New Orleans society and the Confederate experience.

Experiences, Challenges, and Prospects Winrock Publications Sales

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Since the founding of the United States Military Academy at West Point in 1802, more than eight hundred military schools have existed in this country. The vast majority have closed their doors, been absorbed into other educational institutions, or otherwise faded away, but others soldier on, adapting to changing times and changing educational needs. While many individual institutions have had their histories written or their stories told, to date no single book has attempted to explore the full scope of the military school in American history. Cadets on Campus is the first book to cover the origin, history, and culture of the nation ’ s military schools—secondary and collegiate—and this breadth of coverage will appeal to historians and alumni alike. Author John Alfred Coulter identifies several key figures who were pivotal to the formation of military education, including Sylvanus Thayer, the “ father of West Point, ” and Alden Partridge, the founder of the school later known as Norwich University, the first private military school in the country. He also reveals that military schools were present across the nation, despite the conventional wisdom that most military schools, and, indeed, the culture that surrounds them, were limited to the South. Coulter addresses the shuttering of military schools in the era after the Vietnam War and then notes a curious resurgence of interest in military education since the turn of the century.

A Staff Ride Handbook Operational Art and the Campaigns for Mobile, 1864-65A Staff Ride HandbookDr. Dan Jordan's Staff Ride Handbook for the Mobile Bay campaign covers both the Navy-led action at the mouth of the bay in 1864 as well as the Army-led siege of the city itself in 1865, demonstrating the importance of the interoperability of forces operating in different domains to successfully enable joint forces to create decisive effects. The campaign highlights actions of ground forces in both supporting and supported roles and the importance of cross-domain fires to effect maneuver and achieve victory. The handbook covers ADM David G. Farragut's famous action at the mouth of Mobile Bay and MG Edward Canby's intricate plan of maneuver to place his forces in position to force the evacuation of Mobile, one of the Confederacy's last major ports. This handbook is designed for either a single or multi-day staff ride and is intended for all members of the joint force.The Life of David Glasgow Farragut, First Admiral of the United States NavyEmbodying His Journal and

LettersFreedom by the SwordThe U.S. Colored Troops, 1862-1867 Operational Art and the Campaigns for Mobile, 1864-65A Staff Ride Handbook

Staff Ride Handbook For The Vicksburg Campaign, December 1862-July 1863 [Illustrated Edition] Morgan Kaufmann Since the first chapter of this book presents an intro duction to the present state of game-theoretical semantics (GTS), there is no point in giving a briefer survey here. Instead, it may be helpful to indicate what this volume attempts to do. The first chapter gives a short intro duction to GTS and a survey of what is has accomplished. Chapter 2 puts the enterprise of GTS into new philo sophical perspective by relating its basic ideas to Kant's phi losophy of mathematics, space, and time. Chapters 3-6 are samples of GTS's accomplishments in understanding different kinds of semantical phenomena, mostly in natural languages. Beyond presenting results, some of these chapters also have other aims. Chapter 3 relates GTS to an interesting line of logical and foundational studies - the so-called functional interpretations - while chapter 4 leads to certain important methodological theses. Chapter 7 marks an application of GTS in a more philo sophical direction by criticizing the Frege-Russell thesis that words like "is" are multiply ambiguous. This leads in turn to a criticism of recent logical languages (logical notation), which since Frege have been based on the ambi guity thesis, and also to certain methodological sug gestions. In chapter 8, GTS is shown to have important implications for our understanding of Aristotle's doctrine of categories, while chapter 9 continues my earlier criticism of Chomsky's generative approach to linguistic theorizing. Building the Navy's Bases in World War II Random House Trade Paperbacks without a properly developed inconsistent calculus based on infinitesimals, then in consistent claims from the history of the calculus might well simply be symptoms of confusion. This is addressed in Chapter 5. It is further argued that mathematics has a certain primacy over logic, in that paraconsistent or relevant logics have to be based on inconsistent mathematics. If the latter turns out to be reasonably rich then paraconsistentism is vindicated; while if inconsistent mathematics has seri ous restriytions then the case for being interested in inconsistency-tolerant logics is weakened. (On such restrictions, see this chapter, section 3.) It must be conceded that fault-tolerant computer programming (e. g. Chapter 8) finds a substantial and important use for paraconsistent logics, albeit with an epistemological motivation (see this chapter, section 3). But even here it should be noted that if inconsistent mathematics turned out to be functionally impoverished then so would inconsistent databases. 2. Summary In Chapter 2, Meyer's results on relevant arithmetic are set out, and his view that they have a bearing on G8del's incompleteness theorems is discussed. Model theory for nonclassical logics is also set out so as to be able to show that the inconsistency of inconsistent theories can be controlled or limited, but in this book model theory is kept in the background as much as possible. This is then used to study the functional properties of various equational number theories. Theory and Computation Jossey-Bass USAs historie indtil 1996 Cadets on Campus Springer Science & Business Media The book gives a review of penicillin production by Penicillium chrysogenum, and also deals with a number of general aspects of fungal cultivations, e.g. primary metabolism of filamentous fungi, morphology, monitoring of fungal cultivations, and bioreactor performance (more than 750 references).The first two chapters give an introduction to the area of penicillin production; with a review of the history and a survey of the present status of this industrially very important process in the first chapter. In the second chapter is given an introduction to the microorganism, i.e. its nutritional requirements, its taxonomy, and an overview of different strain development programmes.Chapter 3 gives an introduction to the concept of Physiological Engineering. This is followed by a review of various monitoring techniques and different theoretical techniques for analysis of cultivation processes, e.g. mathematic modeling, metabolic flux analysis, and metabolic control analysis.Chapter 4 and 5 give a review of the metabolism, with

the primary metabolism being the topic of Chapter 4 and the secondary metabolism, i.e. penicillin biosynthesis, being the topic of Chapter 5. The review of the penicillin biosynthetic pathway is followed by a description of a number of results obtained using metabolic flux and metabolic control analysis. Chapter 6 is devoted to the morphology of the fungus, and it gives a detailed description of the growth mechanisms of filamentous fungi. Chapter 7 deals with the bioreactor performance during fungal cultivations, i.e. medium rheology, gas-liquid mass transfer, and mixing. Finally is the fed-batch process applied for penicillin production described in Chapter 8. It gives an overview of the most important factors influencing penicillin production.

The U.S. Colored Troops, 1862-1867 World Scientific

tions is not possible without first putting the problem into a wider context. Consequently, before proceeding with detailed critical coverage of individual biomass energy sources, uses, and effects, I will extend this preface with a few pages of rather personal reflections (I will use the same device in closing the book: after providing concise topical summaries in Chapter 8, I will conclude with some essayistic musings on renewable energetics, plants, people, and a scientist's responsibility). Interest in biomass energies is just a part of a broader global trend toward renewable energetics, a trend which has evolved speedily after the crude oil price escalation started in 1973. Yet one must be reminded that for the rich countries fossil fuels are, and for a long period shall remain, the foundation of an affluent civilization, while throughout the poor world the reliance of most people on biomass energies for everyday subsistence has brought many damaging environmental and social effects; that the reality of sharp price rises for crude oil (actually not so sharp once adjusted for inflation) should not be misconstrued as an "energy crisis"; that the rise of renewables and the claims made on their behalf by countless enthusiasts look so much better on paper than in reality; and that the potential of biomass energies, an essential ingredient of renewable scenarios, has been judged more with proselytizing zeal than with critical detachment.

Cybernetics And Society American Mathematical Soc.

This volume is a thorough and comprehensive examination of the concerns about educational choice. Judith Pearson identifies errors, omissions, and fallacies in the economic and political theories used to justify choice and raises questions about the potential impacts of choice on both urban and rural public schools and consumers. The range of potential consequences of choice have not been thoroughly examined before implementation--a serious problem because educational choice may undermine the basic principles of public education in a democratic society and increase existing inequities in educational opportunities for many students. The bandwagon for choice is already rolling at great speed, with such high-powered proponents as President George Bush and Secretary of Education Lamar Alexander. The book opens with a skeptical examination of the popular perception of a general crisis in education and the interpretation of test scores upon which this notion is based. Chapter 2 describes the implementation of educational choice in Minnesota and critically examines the thoroughness and objectivity of the program monitoring and evaluation. Chapter 3 describes Minnesota's K-12 open enrollment program and critically examines the three Working Papers that are the total of the state's program evaluation. The chapter also explores abuses of the laissez-faire choice program and the impacts of student and dollar transfers on local school districts. In chapters 4 and 5, the author investigates the popular concept that bureaucracy is the cause of problems in education and questions the appropriateness of applying a policy of deregulation to public education. Chapter 7 examines the existing inequities in educational funding and suggests that choice may make a bad situation much worse, particularly in urban schools. In Chapter 8, the author looks at the probable ways that abuses of the competitive market system will adversely affect consumers of education. Chapter 9 addresses the obvious: Where there are winners in a competitive marketplace, there are also losers. Who are they, individually and collectively? Also analyzed are the impacts of choice on educators, school boards, administrators, and teachers. Finally, Pearson challenges the constitutionality of choice through the probable inclusion of public funding for private schools.

Freedom by the Sword Allyn & Bacon

As advances in technology and circuit design boost operating frequencies of microprocessors, DSPs and other fast chips, new design challenges continue to emerge.

One of the major performance limitations in today's chip designs is clock skew, the uncertainty in arrival times between a pair of clocks. Increasing clock frequencies are forcing many engineers to rethink their timing budgets and to use skew-tolerant circuit techniques for both domino and static circuits. While senior designers have long developed their own techniques for reducing the sequencing overhead of domino circuits, this knowledge has routinely been protected as trade secret and has rarely been shared. Skew-Tolerant Circuit Design presents a systematic way of achieving the same goal and puts it in the hands of all designers. This book clearly presents skew-tolerant techniques and shows how they address the challenges of clocking, latching, and clock skew. It provides the practicing circuit designer with a clearly detailed tutorial and an insightful summary of the most recent literature on these critical clock skew issues. * Synthesizes the most recent advances in skew-tolerant design in one cohesive tutorial * Provides incisive instruction and advice punctuated by humorous illustrations * Includes exercises to test understanding of key concepts and solutions to selected exercises Lectures on Contemporary Probability Praeger Pub Text

Only a few books stand as landmarks in social and scientific upheaval. Norbert Wiener's classic is one in that small company. Founder of the science of cybernetics—the study of the relationship between computers and the human nervous system—Wiener was widely misunderstood as one who advocated the automation of human life. As this book reveals, his vision was much more complex and interesting. He hoped that machines would release people from relentless and repetitive drudgery in order to achieve more creative pursuits. At the same time he realized the danger of dehumanizing and displacement. His book examines the implications of cybernetics for education, law, language, science, technology, as he anticipates the enormous impact—in effect, a third industrial revolution—that the computer has had on our lives.

The Untold Story of the Fall of New Orleans Houghton Mifflin College Division

In recent years, the way open source software is developed has taken hold as a valid alternative to commercial proprietary methods, as have the products themselves, e.g., the Linux operating system, Apache web-server software, and Mozilla Firefox browser. But what is open source software? How is the open source community organized? What makes this new model successful? What effects has it had and might it have on the future of the IT industry, companies and government policies? These and many other questions are answered in this book. The first chapter gives a brief history of the open source community and the second chapter takes a close look at the relationship between intellectual property rights and software, both open source and proprietary. The next three chapters consider the who, the open source community, the how, software development both within and outside the community, and the what, open source projects and product quality. Chapters 6 and 7 focus on the different users of open source software: companies and governments respectively. These are followed by two chapters that interpret the phenomenon, first from an organizational point of view in Chapter 8 and then using the theory of complex adaptive systems in Chapter 9. The last chapter explores the current and potential applications of the concept underlying open source software in other fields.

The Human Use Of Human Beings SIAM

Life in Baton Rouge, New Orleans, etc., 1862-1865.

Open Source Da Capo Press

Since it was first published in 1952, Lincoln and His Generals has remained one of the definitive accounts of Lincoln's wartime leadership. In it T. Harry Williams dramatizes Lincoln's long and frustrating search for an effective leader of the Union Army and traces his transformation from a politician with little military knowledge into a master strategist of the Civil War. Explored in depth are Lincoln's often fraught relationships with generals such as McClellan, Pope, Burnside, Hooker, Fremont, and of course, Ulysses S. Grant. In this superbly written narrative, Williams demonstrates how Lincoln's persistent "meddling" into military affairs was crucial to the Northern war effort and utterly transformed the president's role as commander-in-chief.

Quality Assurance in Research and Development Springer Science & Business Media

Sweet Land of Liberty is Thomas J. Sugrue's epic account of the abiding quest for racial equality in states from Illinois to New York, and of how the intense northern struggle differed from and was inspired by the fight down South. Sugrue's panoramic view sweeps from the 1920s to the present—more than eighty of the most decisive years in American history. He uncovers the forgotten stories of battles to open up lunch counters, beaches, and movie theaters in the North; the untold history of struggles against Jim Crow schools in northern towns; the dramatic story of racial conflict in northern cities and suburbs; and the long and tangled histories of integration and black power. Filled with unforgettable characters and riveting incidents, and making use of information and accounts both

public and private, such as the writings of obscure African American journalists and the records of civil rights and black power groups, Sweet Land of Liberty creates an indelible history.

Embodying His Journal and Letters Springer Science & Business Media

" This superb book is timely and is written with great attention paid to detail, particularly in its referencing of the literature. The book has a wonderful blend of theory and code (MATLAB®) so will be useful both to nonexperts and to experts in the field. " — Alan Laub, Professor, University of California, Los Angeles The only book devoted exclusively to matrix functions, this research monograph gives a thorough treatment of the theory of matrix functions and numerical methods for computing them. The author's elegant presentation focuses on the equivalent definitions of f(A) via the Jordan canonical form, polynomial interpolation, and the Cauchy integral formula, and features an emphasis on results of practical interest and an extensive collection of problems and solutions. Functions of Matrices: Theory and Computation is more than just a monograph on matrix functions; its wide-ranging content—including an overview of applications, historical references, and miscellaneous results, tricks, and techniques with an f(A) connection—makes it useful as a general reference in numerical linear algebra. Other key features of the book include development of the theory of conditioning and properties of the Fréchet derivative; an emphasis on the Schur decomposition, the block Parlett recurrence, and judicious use of Padé approximants; the inclusion of new, unpublished research results and improved algorithms; a chapter devoted to the f(A)b problem; and a MATLAB® toolbox providing implementations of the key algorithms. Audience: This book is for specialists in numerical analysis and applied linear algebra as well as anyone wishing to learn about the theory of matrix functions and state of the art methods for computing them. It can be used for a graduate-level course on functions of matrices and is a suitable reference for an advanced course on applied or numerical linear algebra. It is also particularly well suited for self-study. Contents: List of Figures; List of Tables; Preface; Chapter 1: Theory of Matrix Functions; Chapter 2: Applications; Chapter 3: Conditioning; Chapter 4: Techniques for General Functions; Chapter 5: Matrix Sign Function; Chapter 6: Matrix Square Root; Chapter 7: Matrix pth Root; Chapter 8: The Polar Decomposition; Chapter 9: Schur-Parlett Algorithm; Chapter 10: Matrix Exponential; Chapter 11: Matrix Logarithm; Chapter 12: Matrix Cosine and Sine; Chapter 13: Function of Matrix Times Vector: f(A)b; Chapter 14: Miscellany; Appendix A: Notation; Appendix B: Background: Definitions and Useful Facts; Appendix C: Operation Counts; Appendix D: Matrix Function Toolbox; Appendix E: Solutions to Problems; Bibliography; Index.

Physiological Engineering Aspects of Penicillium Chrysogenum Princeton University Press

Includes over 30 maps and Illustrations The Staff Ride Handbook for the Vicksburg Campaign, December 1862-July 1863, provides a systematic approach to the analysis of this key Civil War campaign. Part I describes the organization of the Union and Confederate Armies, detailing their weapons, tactics, and logistical, engineer, communications, and medical support. It also includes a description of the U.S. Navy elements that featured so prominently in the campaign. Part II consists of a campaign overview that establishes the context for the individual actions to be studied in the field. Part III consists of a suggested itinerary of sites to visit in order to obtain a concrete view of the campaign in its several phases. For each site, or "stand," there is a set of travel directions, a discussion of the action that occurred there, and vignettes by participants in the campaign that further explain the action and which also allow the student to sense the human "face of battle." Part IV provides practical information on conducting a Staff Ride in the Vicksburg area, including sources of assistance and logistical considerations. Appendix A outlines the order of battle for the significant actions in the campaign. Appendix B provides biographical sketches of key participants. Appendix C provides an overview of Medal of Honor conferral in the campaign. An annotated bibliography suggests sources for preliminary study.

Birdtracks, Lie's, and Exceptional Groups CRC Press

From late 1862 to the spring of 1865, the federal government accepted more than 180,000 black men as soldiers, something it had never done before on such a scale. Known collectively as the United States Colored Troops and organized in segregated regiments led by white officers, some

of these soldiers guarded army posts along major rivers; others fought Confederate raiders to protect Union supply trains; and still others took part in major operations like the siege of Petersburg and the battle of Nashville. After the war, many of the black regiments garrisoned the former Confederacy to enforce federal Reconstruction policy. This book tells the story of these soldiers' recruitment, organization, and service.