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[The J-Matrix Method](#) Jan 14 2021 Although introduced 30 years ago, the J-matrix method has witnessed a resurgence of interest in the last few years. In fact, the interest never ceased, as some authors have found in this method an effective way of handling the continuous spectrum of scattering operators, in addition to other operators. The motivation behind the introduction of the J-matrix method will be presented in brief. The introduction of fast computing machines enabled theorists to perform calculations, although approximate, in a conveniently short period of time. This made it possible to study varied scenarios and models, and the effects that different possible parameters have on the final results of such calculations. The first area of research that benefited from this opportunity was the structural calculation of atomic and nuclear systems. The Hamiltonian element of the system was set up as a matrix in a convenient, i.e., bound-state-like basis. A matrix of larger size resulted in a better convergence interaction matrix that was subsequently diagonalized. The discrete energy eigenvalues thus obtained approximated the spectrum of the system, while the eigenfunctions approximated the wave function of the resulting discrete state. Structural theorists were delighted because they were able to obtain very accurate values for the lowest energy states of interest.

[DNA](#) Aug 09 2020 Based on the latest science, this book considers both uses and abuses of DNA - "The Sacred Spiral". Evidence proves DNA is nature's bioacoustic and electromagnetic (i.e., "spiritual") energy receiver, signal transformer, and quantum sound and light transmitter. The theory explored here is that the bioenergetics of genetics precipitates life. Revelations herein bring expanded spiritual meaning to life, physical embodiment, and even evolution. This book offers revolutionary new views of emerging genetic research consistent with metaphysics and sacred spiritual knowledge. It makes distinguished contributions to genetic science, healthcare, cancer therapy, human consciousness, and spirituality.

[Gandhi, CEO](#) Dec 13 2020 Gandhi, a CEO? Absolutely—and an incomparable example for our uncertain times, when we need leaders we can trust and admire. Not only was he a moral and intensely spiritual man, but also a supremely practical manager and a powerful agent for change, able to nurture the rebirth of an entire nation. Alan Axelrod looks at this much-studied figure in a way nobody has before, employing his fluid, engaging, and conversational style to bring each lesson to life through quotes and vivid examples from Gandhi's life. New in paperback.

[The Body Electric](#) Oct 03 2022 The Body Electric tells the fascinating story of our bioelectric selves. Robert O. Becker, a pioneer in the field of regeneration and its relationship to electrical currents in living things, challenges the established mechanistic understanding of the body. He found clues to the healing process in the long-discarded theory that electricity is vital to life. But as exciting as Becker's discoveries are, pointing to the day when human limbs, spinal cords, and organs may be regenerated after they have been damaged, equally fascinating is the story of Becker's struggle to do such original work. The Body Electric explores new pathways in our understanding of evolution, acupuncture, psychic phenomena, and healing.

[Oncothermia: Principles and Practices](#) Oct 11 2020 Oncothermia is the next generation medical innovation that delivers selective, controlled and deep energy for cancer treatment. The basic principles for oncothermia stem from oncological hyperthermia, the oldest approach to treating cancer. Nevertheless, hyperthermia has been wrought with significant controversy, mostly stemming from shortcomings of controlled energy delivery. Oncothermia has been able to overcome these insufficiencies and prove to be a controlled, safe and efficacious treatment option. This book is the first attempt to elucidate the theory and practice of oncothermia, based on rigorous mathematical and biophysical analysis, not centered on the temperature increase. It is supported by numerous in-vitro and in-vivo findings and twenty years of clinical experience. This book will help scientists, researchers and medical practitioners in understanding the scientific and conceptual underpinnings of oncothermia and will add another valuable tool in the fight against cancer. Professor Andras Szasz is the inventor of oncothermia and the Head of St Istvan University's Biotechnics Department in Hungary. He has published over 300 papers and lectured at various universities around the world. Dr. Oliver Szasz is the managing director of Oncotherm, the global manufacturer and distributor of medical devices for cancer treatment used in Europe & Asia since the late 1980s. Dr. Nora Szasz is currently a management consultant in healthcare for McKinsey & Co.

[My Nan](#) Dec 01 2019 "My Nan" is brightly illustrated, fun, and focuses on key areas of interest for the age range. This book covers a wide range of fiction genres listed for Key Stage 1 in the National Literacy Strategy.

[The Tar Baby](#) Sep 09 2020 Perhaps the best-known version of the tar baby story was published in 1880 by Joel Chandler Harris in Uncle Remus: His Songs and His Sayings, and popularized in Song of the South, the 1946 Disney movie. Other versions of the story, however, have surfaced in many other places throughout the world, including Nigeria, Brazil, Corsica, Jamaica, India, and the Philippines. The Tar Baby offers a fresh analysis of this deceptively simple story about a fox, a rabbit, and a doll made of tar and turpentine, tracing its history and its connections to slavery, colonialism, and global trade.

Proceedings of the 1st- Meeting Aug 28 2019

[Bibliography of Publications](#) Jul 20 2021

[Biomedical Photoacoustic Imaging and Sensing Using Affordable Resources](#) Jun 18 2021 The overarching goal of this book is to provide a current picture of the latest developments in the capabilities of biomedical photoacoustic imaging and sensing in an affordable setting, such as advances in the technology involving light sources, and delivery, acoustic detection, and image reconstruction and processing algorithms. This book includes 14 chapters from globally prominent researchers, covering a comprehensive spectrum of photoacoustic imaging topics from technology developments and novel imaging methods to preclinical and clinical studies, predominantly in a cost-effective setting. Affordability is undoubtedly an important factor to be considered in the following years to help translate photoacoustic imaging to clinics around the globe. This first-ever book focused on biomedical photoacoustic imaging and sensing using affordable resources is thus timely, especially considering the fact that this technique is facing an exciting transition from benchtop to bedside. Given its scope, the book will appeal to scientists and engineers in academia and industry, as well as medical experts interested in the clinical applications of photoacoustic imaging.

[Olivia](#) May 06 2020 Olivia always knew her younger sister would get into trouble. But she never realized the undercurrents of disaster would grow to a raging flood.... Olivia was always the sensible one. The responsible sister. She took after her father, a man as cold and driven as the Cape Cod wind, a man possessed by an inner need to be respected and successful. She would be the one to take over his million-dollar businesses. She would become the unwavering, compassionate and resilient caretaker of the Logan family — whether she wanted to or not. But Belinda belonged only to herself. Flighty, flirtatious, and possessed of a beauty that promised her a privileged life, Belinda was lavished with attention. Mother and Father, family friends, boys from school, they all adored Belinda. And as she matured into a young woman, her beauty became even more haunting. She vowed never to grow up, to remain forever an enchanting little girl to be worshiped and cared for. Then came that fateful night, when Olivia was awakened by the low whistle of the wind off the ocean... a whistle that became an unearthly wail coming from Belinda's bedroom. It was the tragic night that their father would forbid them to speak of ever again. The night they would never forget. The night that would send generations of Logans down an unavoidable path of lies, deceit, and heartbreak.

Desalination Abstracts Jul 08 2020

[Ocean Optics](#) Feb 24 2022 Since the publication of Jerlov's classic volume on optical oceanography in 1968, the ability to predict or model the submarine light field, given measurements of the inherent optical properties of the ocean, has improved to the point that model fields are very close to measured fields. In the last three decades, remote sensing capabilities have fostered powerful models that can be inverted to estimate the inherent optical properties closely related to substances important for understanding global biological productivity, environmental quality, and most nearshore geophysical processes. This volume presents an eclectic blend of information on the theories, experiments, and instrumentation that now characterize the ways in which optical oceanography is studied. Through the course of this interdisciplinary work, the reader is led from the physical concepts of radiative transfer to the experimental techniques used in the lab and at sea, to process-oriented discussions of the biochemical mechanisms responsible for oceanic optical variability. The text will be of interest to researchers and students in physical and biological oceanography, biology, geophysics, limnology, atmospheric optics, and remote sensing of ocean and global climate change.

[Food Colloids](#) Apr 28 2022 The field of food colloids is concerned with the structural and dynamic aspects of multi-phase food systems - dispersions, emulsions, foams, gels - viewed from a physical chemistry perspective as assemblies of molecules and particles in various states of organization. The main molecular components of food colloids are proteins, lipids and polysaccharides. The primary objective of the field is to relate the structural, stability and rheological properties of such systems to the interactions between constituent components and to their distribution between the bulk phases and various kinds of interfaces. This volume records most of the lecture programme at the international conference on "Food Colloids - Proteins, Lipids and Polysaccharides" held in Sweden on 24-26th April 1996.

Index-catalogue of the Library of the Surgeon-General's Office ... Dec 25 2021 "Collection of incubabula and early medical prints in the library of the Surgeon-general's office, U.S. Army". Ser. 3, v. 10, p. 1415-1436.

[Leadership A to Z](#) Jun 30 2022 Pragmatically focused on the actions that one can take, this unique work delivers ninety-one pithy lessons in the fine art of leadership. Author James O'Toole packs thirty years of leadership coaching experience into a one-of-a-kind guide you can reference for expert advice on how to become a superior leader. The one- to two-page sections are alphabetically arranged for easy reference and address such topics as getting started, communication, delegation, trust, and vision. Throughout, O'Toole invests his lessons with examples of great leaders in action to show readers precisely what to do to accomplish the same goals. It's like having your own personal leadership coach in book form.

[Napoleon, CEO](#) Feb 12 2021 The next in Alan Axelrod's engaging and popular CEO series spotlights a perfect subject: Napoleon, the brilliant military strategist who also laid the administrative and judicial foundations for much of Western Europe. Axelrod looks at this much-studied figure in a new way, exploring six areas that constitute the core of what made Napoleon a great leader: Audacity, Vision, Empathy, Strategy, Logistics, and Tactics. Within these areas Axelrod formulates approximately 60 lessons framed in military analogies, valuable for anyone who aspires to leadership, whether in the boardroom or the Oval Office.

Index-catalogue of the Library of the Surgeon-General's Office, United States Army Jun 26 2022 "Collection of incubabula and early medical prints in the library of the Surgeon-general's office, U.S. Army". Ser. 3, v. 10, p. 1415-1436.

[Dragandoom](#) Jun 26 2019 A thousand years before the Winter War, Elgo, prince of the Vanadurin, killed the Dragon Steeth and returned home with the fabulous wealth from the dead beast's lair. But there was more in the bounty than gems and gold, for the treasure was cursed, and in time it brought death to noble and peasant, war between Man and Dwarf, strife and destruction beyond reckoning. Now, generations later, as the conflict continues, the great Dragon Black Kalgath, in league with the Wizard Andrak, appears to avenge Sleeth's death and claim the Dragon-cursed hoard. Against this unholy alliance, two sworn enemies set forth to find a legendary long-lost weapon: a warhammer of incalculable power that may be the only hope of victory. But neither the Warrior Maiden Elyn nor the Dwarf Thork is prepared for the dangers awaiting them on this quest....

[Microwave Effects on DNA and Proteins](#) Apr 16 2021 For several years, researchers have been reporting the effects of microwave radiation/heating on both the structure and function of DNA, RNA and proteins. For the most part, favourable accelerated biological functions are observed as microwave induced heating occurs, but other not-so favourable effects are also observed, such as denaturation, fragmentation and the so called and ill-explained, non-thermal microwave effects. This volume, the first of its kind, brings researchers together from around the world to discuss their current findings and thinking on the effects of Microwaves on Biological systems, particularly DNA, RNA and proteins, in the form of contributed edited chapters.

Quantum Mechanics and Nonlinear Waves Jan 02 2020

[A Brief History of English Literature](#) Feb 01 2020 This new edition of an established text provides a succinct and up-to-date historical overview of the story of English literature. Focusing on how writing both reflects and challenges the periods in which it is produced, John Peck and Martin Coyle combine close readings of key texts with recent critical thinking on the interaction of literary works and culture. Providing a lively introductory guide to English literature from Beowulf to the present day, the authors write in their characteristically lucid and accessible style. A true masterpiece of clarity and compression, this is essential reading for undergraduate students coming across the vast areas of English literature for the first time and looking for a way of making critical sense of the texts being studied. In addition, the concise nature and narrative structure of this book makes it excellent reading for general readers. New to this Edition: - Revised chapter on twentieth century literature - Complete new chapter on twenty-first century literature - Updated Chronology and Further Reading section

[Carbohydrates in Food](#) Sep 02 2022 Carbohydrates in Food, Third Edition provides thorough and authoritative coverage of the chemical analysis, structure, functional properties, analytical methods, and nutritional relevance of monosaccharides,

disaccharides, and polysaccharides used in food. Carbohydrates have become a hot topic in the debate about what to eat. This new edition includes increased treatment of resistant starch, dietary fiber, and starch digestion, especially in relation to different diets, suggesting that carbohydrate consumption should be reduced. New to the Third Edition: Explains how models for starch molecules have been improved recently leading to clearer understanding Discusses the growing interest in new sources of carbohydrates, such as chitosan and fructans, because of their function as prebiotics Features the latest developments on research into dietary fiber and starch digestion Carbohydrates in Food, Third Edition combines the latest data on the analytical, physicochemical, and nutritional properties of carbohydrates, offering a comprehensive and accessible single source of information. It evaluates the advantages and disadvantages of using various analytical methods, presents discussion of relevant physicochemical topics that relate to the use of carbohydrates in food that allow familiarity with important functional aspects of carbohydrates; and includes information on relevant nutritional topics in relation to the use of carbohydrates in food.

[When A Lawyer Falls In Love](#) Jun 06 2020 A cheeky account of a chubby law graduate, as he waddles through life and law text books, in his rather futile attempts at wooing his pretty Gurkaraat classmate. Ankar Palekar, a third year law student believes his life is quite sorted out, except that he does not want to become a lawyer, has a family history of lunacy and has actually fallen in love. Vyas, Ankar's room mate and best friend, has no such problems – only a girl friend who emerges from a grave yard of all places and who insists on visiting him in his boy's hostel. A Malayali friend, whose car never starts and vocal chords never stop, a college festival being organized without the college and an arranged marriage which is more deranged than arranged are some of the other highlights. Funny, pacy, yet it has it's moments. 'When A Lawyer falls in love....' Is the kind of book, that will make you laugh and cry, both for the same reasons!

Yearbook Jul 28 2019 List of members in each volume.

[Light and Water](#) Sep 21 2021 Light and Water offers an extensive treatment of radiative transfer theory in a format tailored to the specific needs of optical oceanography, emphasizing physical comprehension and practical application, rather than mathematical rigor alone. Mobley presents his unique framework for understanding and predicting underwater light fields with care and precision, developing concepts to facilitate understanding of mathematically dense material. Numerical techniques for solving various radiative transfer equations are explained in settings that are realistic approximations of nature. Extensive references and problem sets are provided. Light and Water interweaves two levels of discussion. The first, suitable for all oceanography graduate students, develops the basic theory and reviews the current literature on optical oceanography. The second, which will appeal to researchers in the field, develops numerical methods for solving radiative transfer equations. Throughout, the text emphasizes applications of radiative transfer theory to practical, relevant, and realistic problems.

[Metamorphic Textures](#) Apr 04 2020 Metamorphic Textures provides definitions, descriptions and illustrations of metamorphic textures, as well as the fundamental processes involved in textural development. This book is composed of 11 chapters and begins with a presentation of the metamorphic processes and the production of metamorphic minerals. The subsequent chapters describe the structural classification of grain boundaries, the metamorphic reactions, mineral transformations, and the crystallization and recrystallization of metamorphic rocks. These topics are followed by the texture examination of thermal metamorphic rocks and minerals and the preferred orientations of these rocks, particularly the dimensional and lattice preferred orientation. Other chapters survey the textures of rocks under dynamic and shock metamorphism. The final chapters describe the textures of regional and polymetamorphism. This book will be of great use to petrologists, physicists, and graduate and undergraduate petrology students.

[Quantum Wells, Wires and Dots](#) Mar 28 2022 Quantum Wells, Wires and Dots Second Edition: Theoretical and Computational Physics of Semiconductor Nanostructures provides all the essential information, both theoretical and computational, for complete beginners to develop an understanding of how theoretical, optical and transport properties of quantum wells, wires and dots are calculated. Readers are lead through a series of simple theoretical and computational examples giving solid foundations from which they will gain the confidence to initiate theoretical investigations or explanations of their own. Emphasis on combining the analysis and interpretation of experimental data with the development of theoretical ideas Complementary to the more standard texts Aimed

at the physics community at large, rather than just the low-dimensional semiconductor expert. The text presents solutions for a large number of real situations. Presented in a lucid style with easy-to-follow steps related to accompanying illustrative examples.

American Journal of Physics Mar 16 2021

Directory of Special Libraries and Information Centers Sep 29 2019

Index-catalogue of the Library of the Surgeon-General's Office, United States Army Nov 23 2021

Introductory Quantum Mechanics Nov 04 2022 The new edition reflects the progress of physics in both esoteric and pragmatic directions. A complete and detailed presentation, with modern applications, problems, and examples. Annotation copyright Book News, Inc. Portland, Or.

Books in Print Oct 30 2019

International Stratigraphic Guide Oct 23 2021 New York : Wiley, c1976.

Environmental Health Perspectives Mar 04 2020

Introduction to Quantum Mechanics Nov 11 2020 Introduction to Quantum Mechanics is an introduction to the power and elegance of quantum mechanics. Assuming little in the way of prior knowledge, quantum concepts are carefully and precisely presented, and explored through numerous applications and problems. Some of the more challenging aspects that are essential for a modern appreciation of the subject have been included, but are introduced and developed in the simplest way possible. Undergraduates taking a first course on quantum mechanics will find this text an invaluable introduction to the field and help prepare them for more advanced courses. Introduction to Quantum Mechanics: * Starts from basics, reviewing relevant concepts of classical physics where needed. * Motivates by considering weird behaviour of quantum particles. * Presents mathematical arguments in their simplest form.

Magnetobiology May 18 2021 Why do some people feel unwell during a lightning storm? Why is there a correlation between the level of electromagnetic background and the incidence of cancer? Why do so many medical centers use electromagnetic exposures to treat a wide variety of disorders in humans? The international scientific community is extremely interested in a theory of magnetobiology and the answers to these and other questions, as evidenced by the growing number of research associations in the United States, Europe, and other parts of the world. The World Health Organization (WHO) has named electromagnetic contamination in occupational and residential areas as a stress factor for human beings. This book stands out among recent texts on magnetobiology because it draws on a strong foundation of empirical and theoretical evidence to explain the various effects of magnetic fields on the human body.

D. W. Griffith's The Birth of a Nation May 30 2022 In this deeply researched and vividly written volume, Melyn Stokes illuminates the origins, production, reception and continuing history of this ground-breaking, aesthetically brilliant, and yet highly controversial movie. By going back to the original archives, particularly the NAACP and D. W. Griffith Papers, Stokes explodes many of the myths surrounding The Birth of a Nation (1915). Yet the story that remains is fascinating: the longest American film of its time, Griffith's film incorporated many new features, including the first full musical score compiled for an American film. It was distributed and advertised by pioneering methods that would quickly become standard. Through the high prices charged for admission and the fact that it was shown, at first, only in "live" theaters with orchestral accompaniment, Birth played a major role in reconfiguring the American movie audience by attracting more middle-class patrons. But if the film was a milestone in the history of cinema, it was also undeniably racist. Stokes shows that the darker side of this classic movie has its origins in the racist ideas of Thomas Dixon, Jr. and Griffith's own Kentuckian background and earlier film career. The book reveals how, as the years went by, the campaign against the film became increasingly successful. In the 1920s, for example, the NAACP exploited the fact that the new Ku Klux Klan, which used Griffith's film as a recruiting and retention tool, was not just anti-black, but also anti-Catholic and anti-Jewish, as a way to mobilize new allies in opposition to the film. This crisply written book sheds light on both the film's racism and the aesthetic brilliance of Griffith's filmmaking. It is a must-read for anyone interested in the cinema.

AmGov Aug 21 2021 All the fundamentals. No fluff. Learn more with less! A truly revolutionary American Government textbook, Christine Barbour's AmGov: Long Story Short, responds to the needs of today's students and instructors through brevity and accessibility. The succinct ten chapters are separated by tabs that make it easy to skim, flip, revisit, reorient, and return to content quickly. Reading aids like bullets, annotations and arrows walk students through important facts and break up the material in short, engaging bites of information that highlight not only what is important but why it's important. Though brief, this core book is still robust enough to provide everything that students need to be successful in their American Government course. Whether for the on-the-go student who doesn't have time to read and digest a lengthy chapter, or the instructor who wants a book that will stay out of their way and leave room for plenty of supplementary reading and activities, AmGov provides a perfectly simplified foundation for a successful American Government course.

Computational Modeling and Visualization of Physical Systems with Python Aug 01 2022 Computational Modeling, by Jay Wang introduces computational modeling and visualization of physical systems that are commonly found in physics and related areas. The authors begin with a framework that integrates model building, algorithm development, and data visualization for problem solving via scientific computing. Through carefully selected problems, methods, and projects, the reader is guided to learning and discovery by actively doing rather than just knowing physics.