

## Chapter 9 Momentum Unm

The first comprehensive historical study of the images and shrines of New Spain, rich in stories and patterns of change over time.

Originally published as *The plumed serpent* in 1926.

This collected volume of original essays proposes to address the state of scholarship on the political, cultural, and intellectual history of Americans responses to wilderness from first contact to the present. While not bringing a synthetic narrative to wilderness, the volume will gather competing interpretations of wilderness in historical context.

The Space Age is nearly 50 years old but exploration of the outer planets and beyond has only just begun. *Deep-Space Probes Second Edition* draws on the latest research to explain why we should explore beyond the edge of the Solar System and how we can build highly sophisticated robot spacecraft to make the journey. Many technical problems remain to be solved, among them propulsion systems to permit far higher velocities, and technologies to build vehicles a fraction of the size of today's spacecraft. Beyond the range of effective radio control, robot vehicles for exploring deep space will need to be intelligent, 'thinking' craft – able to make vital decisions entirely on their own. Gregory Matloff also looks at the possibility for human travel into interstellar space, and some of the immense problems that such journeys would entail. This second edition includes an entirely new chapter on holographic message plaques for future interstellar probes – a NASA-funded project.

The CQ Press Guide to U.S. Elections is a comprehensive, two-volume reference providing information on the U.S. electoral process, in-depth analysis on specific political eras and issues, and everything in between. Thoroughly revised and infused with new data, analysis, and discussion of issues relating to elections through 2014, the Guide will include chapters on: Analysis of the campaigns for presidency, from the primaries through the general election Data on the candidates, winners/losers, and election returns Details on congressional and gubernatorial contests supplemented with vast historical data. Key Features include: Tables, boxes and figures interspersed throughout each chapter Data on campaigns, election methods, and results Complete lists of House and Senate leaders Links to election-related websites A guide to party abbreviations

Floating Islands in science, history, the arts and any number of sightings elsewhere

Honorable Mention, PROSE Award A Choice Outstanding Academic Title of the Year A Junto Favorite Book of the Year Beginning with metaphysical debates in the sixteenth century over the nature of Christ's presence in the host, the distinguished historian and scholar of religion Robert Orsi imagines an alternative to the future of religion that early moderns proclaimed was inevitable. "This book is classic Orsi: careful, layered, humane, and subtle... If reformed theology has led to the gods' ostensible absence in modern religion, *History and Presence* is a sort of counter-reformation literature that revels in the excesses of divine materiality: the contradictions, the redundancies, the scrambling of borders between the sacred and profane, the dead and the living, the past and the present, the original and the imitator...*History and Presence* is a thought-provoking, expertly arranged tour of precisely those abundant, excessive phenomena which scholars have historically found so difficult to think." —Sonja Anderson, *Reading Religion* "With reference to Marian apparitions, the cult of the saints and other divine–human encounters, Orsi constructs a theory of presence for the study of contemporary religion and history. Many interviews with individuals devoted to particular saints and relics are included in this fascinating study of how people process what they believe." —Catholic Herald

*Rotational Structure in Molecular Infrared Spectra, Second Edition*, fills the gap between these complex topics and the most elementary methods in the field of rotational structure in the infrared spectra of gaseous molecules. Combining foundational theoretical information with advanced applications, this book is a useful guide for all those involved in the application of molecular spectroscopic techniques and the interpretation of vibration-rotation spectra. Interpreting vibration-rotation spectra is an important skill in many scientific disciplines, ranging from nanochemistry to planetary research, hence this book is an ideal resource. Includes new content on the interaction of rotation and nuclear electric quadrupoles, coupled and uncoupled nuclei, and internal rotation from the high-barrier basis limit Provides updated tables and figures throughout to support the knowledge outlined in the text Outlines different paths through the text to help readers from different backgrounds explore the most appropriate content for their needs

In this chapter, neutron experimental techniques are described. The chapter covers the basics of neutron scattering, neutron source characteristics, diffraction techniques, inelastic neutron scattering, instruments for semi-macroscopic structure analysis, detectors, optics, choppers, and some concepts for instrument design. Techniques for both steady and pulsed sources are described, with more emphasis on the latter in view of the recent worldwide trend toward pulsed sources, generally pulsed spallation sources. The source character, even within the class of pulsed sources, has a significant influence on instrument design. Inelasticity effects in the total scattering technique are clearly specified in the chapter. Some details of chopper instruments, including resolution effects, are described, since this class of instruments has recently received considerable innovative development and use over a wide range of science. Recent developments in scintillation detectors are discussed as an alternative technology to more conventional <sup>3</sup>He detectors. Optical components are becoming more and more important not only for neutron transport but also for background reduction. Neutron spin-echo techniques are presented as an example of the exploitation of polarized neutrons.

Los Angeles magazine is a regional magazine of national stature. Our combination of award-winning feature writing, investigative reporting, service journalism, and design covers the people, lifestyle, culture, entertainment, fashion, art and architecture, and news that define Southern California. Started in the spring of 1961, Los Angeles magazine has been addressing the needs and interests of our region for 48 years. The magazine continues to be the definitive resource for an affluent population that is intensely interested in a

lifestyle that is uniquely Southern Californian.

Succeed in your real estate law course with REAL ESTATE LAW, 9th Edition. This proven text combines practical legal examples with theory and case law to give you a comprehensive picture of the field. Rather than using a state-specific format, the book covers real estate law generally, offering discussions, short case summaries, longer teaching cases, exhibits, and practical applications that help you spot the issues, apply legal principles to realistic situations, and recognize when to consult an attorney. Coverage of ethical concerns and public policy matters helps you understand key issues relating to real estate law. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The understanding and control of transport phenomena in materials processing play an important role in the improvement of conventional processes and in the development of new techniques. Computer modeling of these phenomena can be used effectively for this purpose. Although there are several books in the literature covering the analysis of heat tra

States have historically led in rights expansion for marginalized populations and remain leaders today on the rights of undocumented immigrants.

The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world.

Fundamentals of Enhanced Oil and Gas Recovery from Conventional and Unconventional Reservoirs delivers the proper foundation on all types of currently utilized and upcoming enhanced oil recovery, including methods used in emerging unconventional reservoirs. Going beyond traditional secondary methods, this reference includes advanced water-based EOR methods which are becoming more popular due to CO<sub>2</sub> injection methods used in EOR and methods specific to target shale oil and gas activity. Rounding out with a chapter devoted to optimizing the application and economy of EOR methods, the book brings reservoir and petroleum engineers up-to-speed on the latest studies to apply. Enhanced oil recovery continues to grow in technology, and with ongoing unconventional reservoir activity underway, enhanced oil recovery methods of many kinds will continue to gain in studies and scientific advancements. Reservoir engineers currently have multiple outlets to gain knowledge and are in need of one product go-to reference. Explains enhanced oil recovery methods, focusing specifically on those used for unconventional reservoirs Includes real-world case studies and examples to further illustrate points Creates a practical and theoretical foundation with multiple contributors from various backgrounds Includes a full range of the latest and future methods for enhanced oil recovery, including chemical, waterflooding, CO<sub>2</sub> injection and thermal

The American Southwest is one of the most important archaeological regions in the world, with many of the best-studied examples of hunter-gatherer and village-based societies. Research has been carried out in the region for well over a century, and during this time the Southwest has repeatedly stood at the forefront of the development of new archaeological methods and theories. Moreover, research in the Southwest has long been a key site of collaboration between archaeologists, ethnographers, historians, linguists, biological anthropologists, and indigenous intellectuals. This volume marks the most ambitious effort to take stock of the empirical evidence, theoretical orientations, and historical reconstructions of the American Southwest. Over seventy top scholars have joined forces to produce an unparalleled survey of state of archaeological knowledge in the region. Themed chapters on particular methods and theories are accompanied by comprehensive overviews of the culture histories of particular archaeological sequences, from the initial Paleoindian occupation, to the rise of a major ritual center in Chaco Canyon, to the onset of the Spanish and American imperial projects. The result is an essential volume for any researcher working in the region as well as any archaeologist looking to take the pulse of contemporary trends in this key research tradition.

"Humor is merely tragedy standing on its head with its pants torn." -- Irvin S. Cobb Born and raised in Paducah, Kentucky, humorist Irvin S. Cobb (1876--1944) rose from humble beginnings to become one of the early twentieth century's most celebrated writers. As a staff reporter for the New York World and Saturday Evening Post, he became one of the highest-paid journalists in the United States. He also wrote short stories for noted magazines, published books, and penned scripts for the stage and screen. In Irvin S. Cobb: The Rise and Fall of a Southern Humorist, historian William E. Ellis examines the life of this significant writer. Though a consummate wordsmith and a talented observer of the comical in everyday life, Cobb was a product of the Reconstruction era and the Jim Crow South. As a party to the endemic racism of his time, he often bemoaned the North's harsh treatment of the South and stereotyped African Americans in his writings. Marred by racist undertones, Cobb's work has largely slipped into obscurity. Nevertheless, Ellis argues that Cobb's life and works are worthy of more detailed study, citing his wide-ranging contributions to media culture and his coverage of some of the biggest stories of his day, including on-the-ground reporting during World War I. A valuable resource for students of journalism, American humor, and popular culture, this illuminating biography explores Cobb's life and his influence on early twentieth-century letters.

Despite the explosion of social movement research in Europe and the US in the last 20 years, the question of leadership has been relatively neglected. This probing examination of the theory and practice of social movement leadership critically re-examines a series of classic cases. The essays illuminate the complex dynamics and competing forms taken by social movement leadership as well as its impact on movement successes and failures.

Francis Lyall and Paul B. Larsen have been involved in teaching and researching space law for over 50 years. This new edition of their well-received text gathers together their knowledge and experience in readable form, and covers developments in all space applications, including space tourism, telecommunications, the ITU and finance. With an extensive citation of the literature, the discussion provides an excellent source for both students and practitioners.

Issues in Mechanical Engineering / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Additional Research. The editors have built Issues in Mechanical Engineering: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Additional Research in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in

Mechanical Engineering: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

The use of ion beams for the modification of the structure and properties of the near-surface region of ceramics began in earnest in the early 1980s. Since the mechanical properties of such materials are dominated by surface flaws and the surface stress state, the use of surface modification techniques would appear to be an obvious application. As is often the case in research and development, most of the initial studies can be characterized as cataloging the response of various ceramic materials to a range of ion beam treatments. The systematic study of material and ion beam parameters is well underway and we are now designing experiments to provide specific information about the processing parameter - structure-property relationships. This NATO-Advanced Study Institute was convened in order to assess our current state of knowledge in this field, to identify opportunities and needs for further research, and to identify the potential of such processes for technological application. It became apparent that this class of inorganic compounds, loosely termed ceramics, presents many challenges to the understanding of ion-solid interactions, the relationships among ion-beam parameters, materials parameters, and the resulting structures, as well as relationships between structure and properties. In many instances, this understanding will represent a major extension of that learned from the study of metals and semiconductors.

This fully illustrated volume covers the history of radar meteorology, deals with the issues in the field from both the operational and the scientific viewpoint, and looks ahead to future issues and how they will affect the current atmosphere. With over 200 contributors, the volume is a product of the entire community and represents an unprecedented compendium of knowledge in the field.

Just as we learn from, influence, and are influenced by others, our social interactions drive economic growth in cities, regions, and nations--determining where households live, how children learn, and what cities and firms produce. *From Neighborhoods to Nations* synthesizes the recent economics of social interactions for anyone seeking to understand the contributions of this important area. Integrating theory and empirics, Yannis Ioannides explores theoretical and empirical tools that economists use to investigate social interactions, and he shows how a familiarity with these tools is essential for interpreting findings. The book makes work in the economics of social interactions accessible to other social scientists, including sociologists, political scientists, and urban planning and policy researchers. Focusing on individual and household location decisions in the presence of interactions, Ioannides shows how research on cities and neighborhoods can explain communities' composition and spatial form, as well as changes in productivity, industrial specialization, urban expansion, and national growth. The author examines how researchers address the challenge of separating personal, social, and cultural forces from economic ones. Ioannides provides a toolkit for the next generation of inquiry, and he argues that quantifying the impact of social interactions in specific contexts is essential for grasping their scope and use in informing policy. Revealing how empirical work on social interactions enriches our understanding of cities as engines of innovation and economic growth, *From Neighborhoods to Nations* carries ramifications throughout the social sciences and beyond.

The Advocate is a lesbian, gay, bisexual, transgender (LGBT) monthly newsmagazine. Established in 1967, it is the oldest continuing LGBT publication in the United States.

*Nuclear Fusion by Inertial Confinement* provides a comprehensive analysis of directly driven inertial confinement fusion. All important aspects of the process are covered, including scientific considerations that support the concept, lasers and particle beams as drivers, target fabrication, analytical and numerical calculations, and materials and engineering considerations. Authors from Australia, Germany, Italy, Japan, Russia, Spain, and the U.S. have contributed to the volume, making it an internationally significant work for all scientists working in the Inertial Confinement Fusion (ICF) field, as well as for graduate students in engineering and physics with interest in ICF.

On the eve of the Spanish conquest of the Inca Empire, peoples throughout the Andes brewed beer from corn and other grains, believing that this alcoholic beverage, called *asua*, was a gift from the gods, a drink possessing the power to mediate between the human and divine. Consuming *asua* to intoxication was a sacred tradition that humans and spirits shared, creating reciprocal joy and ties of mutual obligation. When Butler began research in Huaycopungo, Ecuador, in 1977, ceremonial drinking was causing hardship for these Quichua-speaking people. Then, in 1987, a devastating earthquake was interpreted as a message from God to end the ritual obligation to get drunk. *Holy Intoxication to Drunken Dissipation* examines how the defense of drinking and getting drunk ended abruptly as the people of Otavalo re-evaluated their traditional religious life and their relationship with the wider Ecuadorian society, and defended a renewed traditional indigenous culture with increasing pride. This account presents both the local people's views of their struggles and a more general analysis of the factors involved, and concludes with thoughts about how their culture will adapt in the future.

This pioneering work of political history recovers the central and largely forgotten role that petitioning played in the formative years of North American democracy. Known as the age of democracy, the nineteenth century witnessed the extension of the franchise and the rise of party politics. As Daniel Carpenter shows, however, democracy in America emerged not merely through elections and parties, but through the transformation of an ancient political tool: the petition. A statement of grievance accompanied by a list of signatures, the petition afforded women and men excluded from formal politics the chance to make their voices heard and to reshape the landscape of political possibility. *Democracy by Petition* traces the explosion and expansion of petitioning across the North American continent. Indigenous tribes in Canada, free Blacks from Boston to the British West Indies, Irish canal workers in Indiana, and Hispanic settlers in territorial New Mexico all used petitions to make claims on those in power. Petitions facilitated the extension of suffrage, the decline of feudal land tenure, and advances in liberty for women, African Americans, and Indigenous peoples. Even where petitioners failed in their immediate aims, their campaigns advanced democracy by setting agendas, recruiting people into political

causes, and fostering aspirations of equality. Far more than periodic elections, petitions provided an everyday current of communication between officeholders and the people. The coming of democracy in America owes much to the unprecedented energy with which the petition was employed in the antebellum period. By uncovering this neglected yet vital strand of nineteenth-century life, Democracy by Petition will forever change how we understand our political history.

[Copyright: 52cccfa0e0366ea794e30ff83563e2f3](#)