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5B8 - PETTY GIOVANNA

Giltner's thorough research using slave narratives, sportsmen's recollections, records of fish and game clubs, and sporting periodicals offers a unique perspective on the African-American struggle for independence from the end of the Civil War to the 1920s.

This is a volume about the life and power of ritual objects in their religious ritual settings. In this Special Issue, we see a wide range of contributions on material culture and ritual practices across religions. By focusing on the dynamic interrelations between objects, ritual, and belief, it ex-

plores how religion happens through symbolic materiality. The ritual objects presented in this volume include: masks worn in the Dogon dance; antique ecclesiastical silver objects carried around in festive processions and shown in shrines in the southern Andes; funerary photographs and films functioning as mnemonic objects for grieving children; a dented rock surface perceived to be the god's footprint in the archaic place of pilgrimage, Gaya (India); a recovered manual of rituals (from Xiapu county) for Mani, the founder of Manichaeism, juxtaposed to a Manichaeian painting from southern China; sacred sto-

ries and related sacred stones in the Alor--Pantar archipelago, Indonesia; lotus symbolism, indicating immortalizing plants in the mythic traditions of Egypt, the Levant, and Mesopotamia; lavishly illustrated variations of portrayals of Ravana, a Sinhalese god-king-demon; figurines made of cow dung sculptured by rural women in Rajasthan (India); and mythical artifacts called 'Apples of Eden' in a well-known interactive game series.

REPRINT OF THE OFFICIAL 1939 MANUAL FOR ALL FORD PASSENGER CARS AND TRUCKS COVERS IN DETAIL: ENGINE, TRANSMISSION, IGNITION, GASOLINE SYS-

TEM, RUNNING GEAR, LUBRICATING SYSTEM, OPERATION, AXLES, MAINTENANCE, MUFFLERS, COOLING SYSTEM, TYRES

Aquest llibre és una guia per conèixer com són i com és fan les instal·lacions solars fotovoltaiques en un llenguatge planer i d'una forma senzilla, per tal que no calguin coneixements tècnics previs.

This intelligence guide was prepared in response to requests from law enforcement executives for guidance in intelligence functions in a post-September 11 world. It will help law enforcement agencies develop or enhance their intelligence capacity and enable them to fight terrorism and other crimes while preserving community policing relationships. The world of law enforcement intelligence has changed dramatically since September 11, 2001. State, local, and tribal law enforcement agencies have been tasked with a variety of new responsibilities; intelligence is just one. In addition, the intelligence discipline has evolved significantly in recent years. As these various trends have merged, increasing numbers of American law enforcement agencies have begun to explore, and sometimes embrace, the intelligence func-

tion. This guide is intended to help them in this process. The guide is directed primarily toward state, local, and tribal law enforcement agencies of all sizes that need to develop or reinvigorate their intelligence function. Rather than being a manual to teach a person how to be an intelligence analyst, it is directed toward that manager, supervisor, or officer who is assigned to create an intelligence function. It is intended to provide ideas, definitions, concepts, policies, and resources. It is a primera place to start on a new managerial journey. Every law enforcement agency in the United States, regardless of agency size, must have the capacity to understand the implications of information collection, analysis, and intelligence sharing. Each agency must have an organized mechanism to receive and manage intelligence as well as a mechanism to report and share critical information with other law enforcement agencies. In addition, it is essential that law enforcement agencies develop lines of communication and information-sharing protocols with the private sector, particularly those related to the critical infrastructure, as well as with those private entities that are potential targets of

terrorists and criminal enterprises. Not every agency has the staff or resources to create a formal intelligence unit, nor is it necessary in smaller agencies. This document will provide common language and processes to develop and employ an intelligence capacity in SLTLE agencies across the United States as well as articulate a uniform understanding of concepts, issues, and terminology for law enforcement intelligence (LEI). While terrorism issues are currently most pervasive in the current discussion of LEI, the principles of intelligence discussed in this document apply beyond terrorism and include organized crime and entrepreneurial crime of all forms. Drug trafficking and the associated crime of money laundering, for example, continue to be a significant challenge for law enforcement. Transnational computer crime, particularly Internet fraud, identity theft cartels, and global black marketeering of stolen and counterfeit goods, are entrepreneurial crime problems that are increasingly being relegated to SLTLE agencies to investigate simply because of the volume of criminal incidents. Similarly, local law enforcement is being increasingly drawn into human trafficking and illegal im-

migration enterprises and the often associated crimes related to counterfeiting of official documents, such as passports, visas, driver's licenses, Social Security cards, and credit cards. All require an intelligence capacity for SLTLE, as does the continuation of historical organized crime activities such as auto theft, cargo theft, and virtually any other scheme that can produce profit for an organized criminal entity. To be effective, the law enforcement community must interpret intelligence-related language in a consistent manner. In addition, common standards, policies, and practices will help expedite intelligence sharing while at the same time protecting the privacy of citizens and preserving hard-won community policing relationships.~

Atlanta magazine's editorial mission is to engage our community through provocative writing, authoritative reporting, and superlative design that illuminate the people, the issues, the trends, and the events that define our city. The magazine informs, challenges, and entertains our readers each month while helping them make intelligent choices, not only about what they do and where they go, but what they think about matters of importance to the

community and the region. Atlanta magazine's editorial mission is to engage our community through provocative writing, authoritative reporting, and superlative design that illuminate the people, the issues, the trends, and the events that define our city. The magazine informs, challenges, and entertains our readers each month while helping them make intelligent choices, not only about what they do and where they go, but what they think about matters of importance to the community and the region.

This massive handbook provides a vast array of layout details for electrical systems in residential, commercial, and industrial buildings and facilities. Hundreds of ready-to-use drawings show the complete design and layout details of electrical systems for lighting, power, signal and communications systems, raceways, and related equipment. 2,500 illus.

A substantial update of this award-winning and highly regarded cosmology textbook, for advanced undergraduates in physics and astronomy.

The first part of the book is a fictional story about a non-profit organization dedicat-

ed to protecting nature preserves around the world; the second part of the book is a collection of essays on the subjects of nature, human nature, evolutionary biology, and biodiversity.

This handbook implements AFPD 36-22, Air Force Military Training. Information in this handbook is primarily from Air Force publications and contains a compilation of policies, procedures, and standards that guide Airmen's actions within the Profession of Arms. This handbook applies to the Regular Air Force, Air Force Reserve and Air National Guard. This handbook contains the basic information Airmen need to understand the professionalism required within the Profession of Arms. Attachment 1 contains references and supporting information used in this publication. This handbook is the sole source reference for the development of study guides to support the enlisted promotion system. Enlisted Airmen will use these study guide to prepare for their Promotion Fitness Examination (PFE) or United States Air Force Supervisory Examination (USAFSE).

The use of non-Saccharomyces yeast species is currently a biotechnology trend in enology for which they are being broadly

used to improve the sensory profile of wines because they affect aroma, color, and mouthfeel. They have become a powerful biotool to modulate the influence of global warming on grape varieties, helping to maintain the acidity, decrease the alcoholic degree, stabilize wine color, and increase freshness. In cool climates, some non-Saccharomyces can promote demalication or color stability by the formation of stable derived pigments. Additionally, non-Saccharomyces yeasts open new possibilities in biocontrol for removing spoilage yeast and bacteria or molds that can produce and release mycotoxins and, thereby, help in reducing applied SO₂ levels. The U.S. Army has a long record of fielding innovations that not only have enhanced its effectiveness on the battlefield but also sometimes had an impact far beyond warfare. General Editor Jon T. Hoffman has brought together eleven authors who cover the gamut from the invention of the M1 Garand rifle between the world wars through the development of the National Training Center in the 1980s. While many books lay out theories about the process of innovation or detail the history of a large-scale modernization, the collection

of fourteen essays in *A History of Innovation: U.S. Army Adaptation in War and Peace* fills a different niche in the literature. This work is neither a historical account of how the Army has adapted over time nor a theoretical look at models that purport to show how innovation is best achieved. Instead, it captures a representative slice of stories of soldiers and Army civilians who have demonstrated repeatedly that determination and a good idea often carry the day in peace and war. Despite the perception of bureaucratic inertia, the institution's long history of benefiting from the inventiveness of its people indicates that it is an incubator of innovation after all.

In the corridors of the Vatican on the eve of World War II, American Catholic priest Joseph Patrick Hurley found himself in the midst of secret diplomatic dealings and intense debate. Hurley's deeply felt American patriotism and fixed ideas about confronting Nazism directly led to a mighty clash with Pope Pius XII. It was 1939, the earliest days of Pius's papacy, and controversy within the Vatican over policy toward Nazi Germany was already heated.

This groundbreaking book is both a biography of Joseph Hurley, the first American to achieve the rank of nuncio, or Vatican ambassador, and an insiders view of the alleged silence of the pope on the Holocaust and Nazism. Drawing on Hurley's unpublished archives, the book documents critical debates in Pope Pius's Vatican, secret U.S.-Vatican dealings, the influence of Detroit's flamboyant anti-Semitic priest Charles E. Coughlin, and the controversial case of Croatia's Cardinal Stepinac. The book also sheds light on the powerful connections between religion and politics in the twentieth century.

After Southeast Asia, analysts and force planners came to the realization that there was a fundamental difference between search and rescue (SAR) in a permissive area and in an area that was not permissive (i.e., under enemy control). This second condition is now called combat search and rescue or CSAR. At the time of Desert Storm, the two forms of rescue were defined thusly: Search and Rescue (SAR): Use of aircraft, surface craft, submarines, personnel, and equipment to locate and recover personnel in distress on land or at sea. Combat Search and Rescue

(CSAR): A specialized SAR task performed by rescue-capable forces to effect recovery of distressed personnel from hostile territory during contingency operations or wartime.² The development of this rescue capability has been well established. Dr. Robert Futrell documented our efforts in Korea in *The United States Air Force in Korea, 1950-1953*. His work was followed by Dr. Earl Tilford's *Search and Rescue in South east Asia*, which eloquently chronicled the heroic efforts of the rescue crews in that conflict who brought back literally thousands of airmen. It extensively documented what is now considered the "golden age" of rescue. This work is meant to follow in those traditions and will focus on our CSAR efforts in the Persian Gulf War of 1991, or more specifically, the period of Operation Desert Storm, 17 January to 28 February 1991. Overall, CSAR in Desert Storm appears to have been a mixed bag. Because of advances in precision weaponry, Global Positioning System (GPS) technology, countermeasures, and training, relatively few coalition aircraft were shot down. Forty-three coalition aircraft were lost in combat, most over high-threat areas. Eighty-seven coalition airmen,

soldiers, sailors, and marines were isolated in enemy or neutral territory. Of that total, 48 were killed, one is still listed as missing, 24 were immediately captured, and 14 were exposed in enemy territory. Of those who survived, most landed in areas controlled by enemy troops. Of the few actually rescueable, six were not rescued for a variety of reasons, but primarily because of limitations in CENTAF's ability to locate them accurately and in a timely manner. The most researched, documented, and comprehensive manifesto on experiential marketing. As customers take control over what, when, why, and how they buy products and services, brands face the complete breakdown and utter failure of passive marketing strategies designed more than a half-century ago. To connect with a new generation of customers, companies must embrace and deploy a new marketing mix, powered by a more effective discipline: experiences. Experiential marketing, the use of live, face-to-face engagements to connect with audiences, create relationships and drive brand affinity, has become the fastest-growing form of marketing in the world as the very companies that built their brands on the old Madison Avenue ap-

proach—including Coca-Cola, Nike, Microsoft, American Express and others—open the next chapter of marketing. . . as experiential brands. Using hundreds of case studies, exclusive research, and interviews with more than 150 global brands spanning a decade, global experiential marketing experts Kerry Smith and Dan Hanover present the most in-depth book ever written on how companies are using experiences as the anchor of reinvented marketing mixes. You'll learn: The history and fundamental principles of experiential marketing How top brands have reset marketing mixes as experience-driven portfolios The anatomy of a brand experience The psychology of engagement and experience design The 10 habits of highly experiential brands How to measure the impact of experiential marketing How to combine digital and social media in an experiential strategy The experiential marketing vocabulary How to begin converting to experiential marketing Marketers still torn between outdated marketing models and the need to reinvent how they market in today's customer-controlled economy will find the clarity they need to refine their marketing strategies, get a roadmap for putting their

brands on a winning path, and walk away inspired to transition into experiential brands.

The ultimate used car guide lists the best and worst used cars, summarizes the marketplace, shares advice on web shopping, discusses author insurance, and shares tips on buying and selling. Original.

Praise for *How I Became a Quant* "Led by two top-notch quants, Richard R. Lindsey and Barry Schachter, *How I Became a Quant* details the quirky world of quantitative analysis through stories told by some of today's most successful quants. For anyone who might have thought otherwise, there are engaging personalities behind all that number crunching!" --Ira Kawaller, Kawaller & Co. and the Kawaller Fund "A fun and fascinating read. This book tells the story of how academics, physicists, mathematicians, and other scientists became professional investors managing billions." --David A. Krell, President and CEO, International Securities Exchange "How I Became a Quant should be must reading for all students with a quantitative aptitude. It provides fascinating examples of the dynamic career opportunities potential-

ly open to anyone with the skills and passion for quantitative analysis." --Roy D. Henriksson, Chief Investment Officer, Advanced Portfolio Management "Quants"--those who design and implement mathematical models for the pricing of derivatives, assessment of risk, or prediction of market movements--are the backbone of today's investment industry. As the greater volatility of current financial markets has driven investors to seek shelter from increasing uncertainty, the quant revolution has given people the opportunity to avoid unwanted financial risk by literally trading it away, or more specifically, paying someone else to take on the unwanted risk. *How I Became a Quant* reveals the faces behind the quant revolution, offering you the chance to learn firsthand what it's like to be a quant today. In this fascinating collection of Wall Street war stories, more than two dozen quants detail their roots, roles, and contributions, explaining what they do and how they do it, as well as outlining the sometimes unexpected paths they have followed from the halls of academia to the front lines of an investment revolution.

Situating the French Revolution in the con-

text of early modern globalization for the first time, this book offers a new approach to understanding its international origins and worldwide effects. A distinguished group of contributors shows that the political culture of the Revolution emerged out of a long history of global commerce, imperial competition, and the movement of people and ideas in places as far flung as India, Egypt, Guiana, and the Caribbean. This international approach helps to explain how the Revolution fused immense idealism with territorial ambition and combined the drive for human rights with various forms of exclusion. The essays examine topics including the role of smuggling and free trade in the origins of the French Revolution, the entwined nature of feminism and abolitionism, and the influence of the French revolutionary wars on the shape of American empire. The French Revolution in Global Perspective illuminates the dense connections among the cultural, social, and economic aspects of the French Revolution, revealing how new political forms--at once democratic and imperial, anticolonial and centralizing--were generated in and through continual transnational exchanges and dialogues.

Contributors: Rafe Blaufarb, Florida State University; Ian Coller, La Trobe University; Denise Davidson, Georgia State University; Suzanne Desan, University of Wisconsin--Madison; Lynn Hunt, University of California, Los Angeles; Andrew Jainchill, Queen's University; Michael Kwass, The Johns Hopkins University; William Max Nelson, University of Toronto; Pierre Serna, Université Paris I Panthéon-Sorbonne; Miranda Spieler, University of Arizona; Charles Walton, Yale University

A supplemental textbook for middle and high school students, *Hoosiers and the American Story* provides intimate views of individuals and places in Indiana set within themes from American history. During the frontier days when Americans battled with and exiled native peoples from the East, Indiana was on the leading edge of America's westward expansion. As waves of immigrants swept across the Appalachians and eastern waterways, Indiana became established as both a crossroads and as a vital part of Middle America. Indiana's stories illuminate the history of American agriculture, wars, industrialization, ethnic conflicts, technological improvements, political battles, transportation networks, eco-

nomie shifts, social welfare initiatives, and more. In so doing, they elucidate large national issues so that students can relate personally to the ideas and events that comprise American history. At the same time, the stories shed light on what it means to be a Hoosier, today and in the past.

A scientist known for unraveling the complexities of the universe over millions of years, Sir Martin Rees now warns that humankind is potentially the maker of its own demise -- and that of the cosmos. Though the twenty-first century could be the critical era in which life on Earth spreads beyond our solar system, it is just as likely that we have endangered the future of the entire universe. With clarity and precision, Rees maps out the ways technology could destroy our species and thereby foreclose the potential of a living universe whose evolution has just begun. Rees boldly forecasts the startling risks that stem from our accelerating rate of technological advances. We could be wiped out by lethal "engineered" airborne viruses, or by rogue nano-machines that replicate catastrophically. Experiments that crash together atomic nuclei could

start a chain reaction that erodes all atoms of Earth, or could even tear the fabric of space itself. Through malign intent or by mistake, a single event could trigger global disaster. Though we can never completely safeguard our future, increased regulation and inspection can help us to prevent catastrophe. Rees's vision of the infinite future that we have put at risk -- a cosmos more vast and diverse than any of us has ever imagined -- is both a work of stunning scientific originality and a humanistic clarion call on behalf of the future of life.

The Air Force Special Operations Command (AFSOC) special tactics community is a small, tight-knit brotherhood of proficient and committed warriors, consisting of special tactics officers and combat controllers, combat rescue officers and pararescuemen, and officer and enlisted special operations weathermen. These warriors have consistently proven themselves to be an invaluable force multiplier throughout history in conflicts around the world. This is their story.--Provided by publisher.

"Performing, printing, and then circulating

these studies, government established an economy of exchange with its diverse constituencies. In this medium, which Frankel terms "print statism," not only tangible objects such as reports and books but knowledge itself changed hands. As participants, citizens assumed the standing of informants and readers."

NEW YORK TIMES BESTSELLER • The first definitive history of the Mossad, Shin Bet, and the IDF's targeted killing programs, hailed by The New York Times as "an exceptional work, a humane book about an incendiary subject." WINNER OF THE NATIONAL JEWISH BOOK AWARD IN HISTORY NAMED ONE OF THE TEN BEST BOOKS OF THE YEAR BY JENNIFER SZALAI, THE NEW YORK TIMES NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The Economist • The New York Times Book Review • BBC History Magazine • Mother Jones • Kirkus Reviews The Talmud says: "If someone comes to kill you, rise up and kill him first." This instinct to take every measure, even the most aggressive, to defend the Jewish people is hardwired into Israel's DNA. From the very beginning of its statehood in 1948, protecting the nation from harm has been the responsibility of its in-

telligence community and armed services, and there is one weapon in their vast arsenal that they have relied upon to thwart the most serious threats: Targeted assassinations have been used countless times, on enemies large and small, sometimes in response to attacks against the Israeli people and sometimes preemptively. In this page-turning, eye-opening book, journalist and military analyst Ronen Bergman—praised by David Remnick as "arguably [Israel's] best investigative reporter"—offers a riveting inside account of the targeted killing programs: their successes, their failures, and the moral and political price exacted on the men and women who approved and carried out the missions. Bergman has gained the exceedingly rare cooperation of many current and former members of the Israeli government, including Prime Ministers Shimon Peres, Ehud Barak, Ariel Sharon, and Benjamin Netanyahu, as well as high-level figures in the country's military and intelligence services: the IDF (Israel Defense Forces), the Mossad (the world's most feared intelligence agency), Caesarea (a "Mossad within the Mossad" that carries out attacks on the highest-value targets),

and the Shin Bet (an internal security service that implemented the largest targeted assassination campaign ever, in order to stop what had once appeared to be unstoppable: suicide terrorism). Including never-before-reported, behind-the-curtain accounts of key operations, and based on hundreds of on-the-record interviews and thousands of files to which Bergman has gotten exclusive access over his decades of reporting, *Rise and Kill First* brings us deep into the heart of Israel's most secret activities. Bergman traces, from statehood to the present, the gripping events and thorny ethical questions underlying Israel's targeted killing campaign, which has shaped the Israeli nation, the Middle East, and the entire world. "A remarkable feat of fearless and responsible reporting . . . important, timely, and informative."—John le Carré

The U.S. Navy is ready to execute the Nation's tasks at sea, from prompt and sustained combat operations to every-day forward-presence, diplomacy and relief efforts. We operate worldwide, in space, cyberspace, and throughout the maritime domain. The United States is and will remain a maritime nation, and our security

and prosperity are inextricably linked to our ability to operate naval forces on, under and above the seas and oceans of the world. To that end, the Navy executes programs that enable our Sailors, Marines, civilians, and forces to meet existing and emerging challenges at sea with confidence. Six priorities guide today's planning, programming, and budgeting decisions: (1) maintain a credible, modern, and survivable sea based strategic deterrent; (2) sustain forward presence, distributed globally in places that matter; (3) develop the capability and capacity to win decisively; (4) focus on critical afloat and ashore readiness to ensure the Navy is adequately funded and ready; (5) enhance the Navy's asymmetric capabilities in the physical domains as well as in cyberspace and the electromagnetic spectrum; and (6) sustain a relevant industrial base, particularly in shipbuilding.

In this enlightening book James Boyle describes what he calls the range wars of the information age--today's heated battles over intellectual property. Boyle argues that just as every informed citizen needs to know at least something about the envi-

ronment or civil rights, every citizen should also understand intellectual property law. Why? Because intellectual property rights mark out the ground rules of the information society, and today's policies are unbalanced, unsupported by evidence, and often detrimental to cultural access, free speech, digital creativity, and scientific innovation. Boyle identifies as a major problem the widespread failure to understand the importance of the public domain--the realm of material that everyone is free to use and share without permission or fee. The public domain is as vital to innovation and culture as the realm of material protected by intellectual property rights, he asserts, and he calls for a movement akin to the environmental movement to preserve it. With a clear analysis of issues ranging from Jefferson's philosophy of innovation to musical sampling, synthetic biology and Internet file sharing, this timely book brings a positive new perspective to important cultural and legal debates. If we continue to enclose the "commons of the mind," Boyle argues, we will all be the poorer.

A detailed and comprehensive guide for growing and using gourmet and medicinal

mushrooms commercially or at home. "Absolutely the best book in the world on how to grow diverse and delicious mushrooms."—David Arora, author of *Mushrooms Demystified* With precise growth parameters for thirty-one mushroom species, this bible of mushroom cultivation includes gardening tips, state-of-the-art production techniques, realistic advice for laboratory and growing room construction, tasty mushroom recipes, and an invaluable troubleshooting guide. More than 500 photographs, illustrations, and charts clearly identify each stage of cultivation, and a twenty-four-page color insert spotlights the intense beauty of various mushroom species. Whether you're an ecologist, a chef, a forager, a pharmacologist, a commercial grower, or a home gardener—this indispensable handbook will get you started, help your garden succeed, and make your mycological landscapes the envy of the neighborhood.

From the bestselling author of the acclaimed *Chaos and Genius* comes a thoughtful and provocative exploration of the big ideas of the modern era: information, communication, and information theory. Acclaimed science writer James Gleick

presents an eye-opening vision of how our relationship to information has transformed the very nature of human consciousness. A fascinating intellectual journey through the history of communication and information, from the language of Africa's talking drums to the invention of written alphabets; from the electronic transmission of code to the origins of information theory, into the new information age and the current deluge of news, tweets, images, and blogs. Along the way, Gleick profiles key innovators, including Charles Babbage, Ada Lovelace, Samuel Morse, and Claude Shannon, and reveals how our understanding of information is transforming not only how we look at the world, but how we live. A New York Times Notable Book A Los Angeles Times and Cleveland Plain Dealer Best Book of the Year Winner of the PEN/E. O. Wilson Literary Science Writing Award

From the ivory tower to the barricades! Radical intellectuals explore the relationship between research and resistance.

On board diagnostics. 1997 model year

(UN) Explorer. Related to the Ford Explorer repair manual (Part no. WM312). The 1997 service manual provides information covering emissions for 1997 Ford Motor Company trucks. Complete emissions related diagnostic procedures for all affected systems or components that are affected are covered in this manual. The descriptions and specifications contained in this manual were in effect at the time this manual was approved for printing.

For over 130 years, Imperial Oil dominated Canada's oil industry. Their 1947 discovery of crude oil in Leduc, Alberta transformed the industry and the country. But from 1899 onwards, two-thirds of the company was owned by an American giant, making Imperial Oil one of the largest foreign-controlled multinationals in Canada. Imperial Standard is the first full-scale history of Imperial Oil. It illuminates Imperial's longstanding connections to Standard Oil of New Jersey, also known as Exxon Mobil. Although this relationship was often beneficial to Imperial, allowing them access to technology and capital, it also came at a cost, causing Imperial to be assailed as

the embodiment of foreign control of Canada's natural resources. Graham D. Taylor draws on an extensive collection of primary sources to explore the complex relationship between the two companies. This groundbreaking history provides unprecedented insight into one of Canada's most influential oil companies as it has grown and evolved with the industry itself.

Transient disturbances are what headaches are made of. Whatever you call them—spikes, surges, or power bumps—they can take your equipment down and leave you with a complicated and expensive repair job. Protection against transient disturbances is a science that demands attention to detail. This book explains how the power distribution system works, what can go wrong with it, and how to protect your facility against abnormalities. System grounding and shielding are covered in detail. Each major method of transient protection is analyzed and its relative merits discussed. The book provides a complete look at the critical elements of the AC power system.