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Encyclopedia of Forensic Sciences - 2012-12-28

Forensic science includes all aspects of investigating a crime, including: chemistry, biology and physics, and also incorporates countless other specialties. Today, the service offered under the guise of "forensic science" includes specialties from virtually all aspects of modern science, medicine, engineering, mathematics and technology. The Encyclopedia of Forensic Sciences, Second Edition is a reference source that will inform both the crime scene worker and the laboratory worker of each other's protocols, procedures and limitations. Written by leading scientists in each area, every article is peer reviewed to establish clarity, accuracy, and comprehensiveness. As reflected in the specialties of its Editorial Board, the contents covers the core theories, methods and techniques employed by forensic scientists – and applications of these that are used in forensic analysis. This 4-volume set represents a 30% growth in articles from the first edition, with a particular increase in coverage of DNA and digital forensics Includes an international collection of contributors The second edition features a new 21-member editorial board, half of which are internationally based Includes over 300 articles, approximately 10pp on average Each article features a) suggested readings which point readers to additional sources for more information, b) a list of related Web sites, c) a 5-10 word glossary and definition paragraph, and d) cross-references to related articles in the encyclopedia Available online via SciVerse ScienceDirect. Please visit

www.info.sciencedirect.com for more information This new edition continues the reputation of the first edition, which was awarded an Honorable Mention in the prestigious Dartmouth Medal competition for 2001. This award honors the creation of reference works of outstanding quality and significance, and is sponsored by the RUSA Committee of the American Library Association

The Crash Detectives - Christine Negroni 2016-09-27

NEW YORK TIMES BESTSELLER "Negroni is a talented aviation journalist who clearly understands the critically important part the human factor plays in aviation safety." —Captain Chesley "Sully" Sullenberger, pilot of US Airways 1549, the Miracle on the Hudson A fascinating exploration of how humans and machines fail—leading to air disasters from Amelia Earhart to MH370—and how the lessons learned from these accidents have made flying safer. In *The Crash Detectives*, veteran aviation journalist and air safety investigator Christine Negroni takes us inside crash investigations from the early days of the jet age to the present, including the search for answers about what happened to the missing Malaysia Airlines Flight 370. As Negroni dissects what happened and why, she explores their common themes and, most important, what has been learned from them to make planes safer. Indeed, as Negroni shows, virtually every aspect of modern pilot training, airline operation, and airplane design has been shaped by lessons learned from disaster. Along the way, she also details some miraculous saves, when quick-thinking pilots averted catastrophe and kept hundreds of people alive. Tying in aviation science, performance psychology, and extensive interviews with pilots, engineers, human factors specialists, crash survivors, and others involved in accidents all over the world, *The Crash Detectives* is an alternately terrifying and inspiring book that might just cure your fear of flying, and will definitely make you a more informed passenger. "Christine Negroni combines her investigative reporting skills with an understanding of the complexities of air accident investigations to bring to life some of history's most intriguing and heartbreaking cases." —Bob Woodruff, ABC News Digital and Document Examination - Max M. Houck 2018

Clinician's Guide To Neuropsychological Assessment - Rodney D. Vanderploeg 2014-04-04

Neuropsychological assessment is a difficult and complicated process. Often, experienced clinicians as well as trainees and students gloss over fundamental problems or fail to consider potential sources of error. Since

formal test data on the surface appear unambiguous and objective, they may fall into the habit of overemphasizing tests and their scores and underemphasizing all the factors that affect the validity, reliability, and interpretability of test data. But interpretation is far from straightforward, and a pragmatic application of assessment results requires attention to a multitude of issues. This long-awaited, updated, and greatly expanded second edition of the Clinician's Guide to Neuropsychological Assessment, like the first, focuses on the clinical practice of neuropsychology. Orienting readers to the entire multitude of issues, it guides them step by step through evaluation and helps them avoid common misconceptions, mistakes, and methodological pitfalls. It is divided into three sections: fundamental elements of the assessment process; special issues, settings, and populations; and new approaches and methodologies. The authors, all of whom are actively engaged in the clinical practice of neuropsychological assessment, as well as in teaching and research, do an outstanding job of integrating the academic and the practical. The Clinician's Guide to Neuropsychological Assessment, Second Edition will be welcomed as a text for graduate courses but also as an invaluable hands-on handbook for interns, postdoctoral fellows, and experienced neuropsychologists alike. No other book offers its combination of breadth across batteries and approaches, depth, and practicality.

The Immortal Life of Henrietta Lacks - Rebecca Skloot 2010-02-02
#1 NEW YORK TIMES BESTSELLER • "The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly."—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE "MOST INFLUENTIAL" (CNN), "DEFINING" (LITHUB), AND "BEST" (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE'S 50 MOST IMPACTFUL BLACK BOOKS OF THE PAST 50 YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) • Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first "immortal" human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb's effects; helped lead to important advances like in vitro fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an unmarked grave. Henrietta's family did not learn of her "immortality" until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks family—especially Henrietta's daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn't her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, *The Immortal Life of Henrietta Lacks* captures the beauty and drama of scientific discovery, as well as its human consequences.

X-15 - Dennis R. Jenkins 2007

1. A new science / 2. A hypersonic research airplane / 3. Conflict and innovation / 4. The million-horsepower engine / 5. High range and dry lakes / 6. Preparations / 7. The flight program / 8. The research program.

Learning SAS by Example - Ron Cody 2018-07-03

Learn to program SAS by example! *Learning SAS by Example, A Programmer's Guide*, Second Edition, teaches SAS programming from very basic concepts to more advanced topics. Because most programmers prefer examples rather than reference-type syntax, this book uses short examples to explain each topic. The second edition has brought this classic book on SAS programming up to the latest SAS version, with new chapters that cover topics such as PROC SGPLOT and Perl regular expressions. This book belongs on the shelf (or e-book reader) of anyone who programs in SAS, from those with little programming experience who want to learn SAS to intermediate and even advanced SAS programmers who want to learn new techniques or identify new ways to accomplish existing tasks. In an instructive and conversational tone, author Ron Cody clearly explains each programming technique and then illustrates it with one or more real-life examples, followed by a detailed description of how the program works. The text is divided into four major sections: Getting Started, DATA Step Processing, Presenting and Summarizing Your Data, and Advanced Topics. Subjects addressed include Reading data from external sources Learning details of DATA step programming Subsetting and combining SAS data sets Understanding SAS functions and working with arrays Creating reports with PROC REPORT and PROC TABULATE Getting started with the SAS macro language Leveraging PROC SQL Generating high-quality graphics Using advanced features of user-defined formats and informats Restructuring SAS data sets Working with multiple observations per subject Getting started with Perl regular expressions You can test your knowledge and hone your skills by solving the problems at the end of each chapter.

Plane Crash - George Bibel 2018-03-14

Cover -- Half Title -- Title -- Copyright -- Dedication -- Contents -- Preface -- 1 Takeoff! -- 2 Takeoff (Never Mind!) -- 3 Controlling the Plane -- 4 Vanished! -- 5 Practice Makes Perfect -- 6 Turbulence -- 7 The 168-Ton Glider -- 8 Approach -- 9 Landing -- Epilogue -- Notes -- References -- Index -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K -- L -- M -- N -- P -- R -- S -- T -- U -- V -- W -- Y

Flow Cytometry and Cell Sorting - Andreas Radbruch 2013-06-29

The practical aspects of flow cytometry and sorting are emphasized in this book which introduces the beginner to the technology and provides tips and tricks for the advanced user. The clear structure makes it easy to address specific problems fast. The chapters cover the modern applications of these procedures, with emphasis on immunofluorescence (antibody-fluorochrome conjugation, staining principles and data evaluation); the isolation of specific chromosomes, cells and fragile, large particles by magnetic and fluorescence-activated sorting; cellular biochemistry; and the dynamics of proliferation. The methods have been field-tested in recent EMBO courses on flow cytometry.

Principles of Forensic Audio Analysis - Robert C. Maher 2018-11-07

This book provides an expert introduction to audio forensics, an essential specialty in modern forensic science, equipping readers with the fundamental background necessary to understand and participate in this exciting and important field of study. Modern audio forensic analysis combines skills in digital signal processing, the physics of sound propagation, acoustical phonetics, audio engineering, and many other fields. Scientists and engineers who work in the field of audio forensics are called upon to address issues of authenticity, quality enhancement, and signal interpretation for audio evidence that is important to a criminal law enforcement investigation, an accident investigation board, or an official civil inquiry. Expertise in audio forensics has never been more important. In addition to routine recordings from emergency call centers and police radio dispatchers, inexpensive portable audio/video recording systems are now in widespread use. Forensic evidence from the scene of a civil or criminal incident increasingly involves dashboard recorders in police cars, vest-pocket personal recorders worn by law enforcement officers, smart phone recordings from bystanders, and security surveillance systems in public areas and businesses. Utilizing new research findings and both historical and contemporary casework examples, this book blends audio forensic theory and practice in an informative and readable manner suitable for any scientifically-literate reader. Extensive examples, supplementary material, and authoritative

references are also included for those who are interested in delving deeper into the field.

Culinary Turn - Nicolaj van der Meulen 2017-04-30

Kitchen, cooking, nutrition, and eating have become omnipresent cultural topics. They stand at the center of design, gastronomy, nutrition science, and agriculture. Artists have appropriated cooking as an aesthetic practice - in turn, cooks are adapting the staging practices that go with an artistic self-image. This development is accompanied by crisis of eating behaviour and a philosophy of cooking as a speculative cultural technique. This volume investigates the dimensions of a new culinary turn, combining for the very first time contributions from the theory and practice of cooking.

MONEY Master the Game - Tony Robbins 2016-03-29

"Bibliography found online at tonyrobbins.com/masterthegame"--Page [643].

Understanding Air France 447 - Bill Palmer 2013-07-25

The most comprehensive coverage to date of Air France 447, an Airbus A330 that crashed in the ocean north of Brazil on June 1, 2009, killing all 228 persons on board. Written by A330 Captain, Bill Palmer, this book opens to understanding the actions of the crew, how they failed to understand and control the problem, and how the airplane works and the part it played. All in easy to understand terms. Addressed are the many contributing aspects of weather, human factors, and airplane system operation and design that the crew could not recover from. How each contributed is covered in detail along with what has been done, and needs to be done in the future to prevent this from happening again. Also see the book's companion website: UnderstandingAF447.com

Forensic Investigation of Explosions - David R. Gaskell 2011-11-02

Now in its second edition, *Forensic Investigation of Explosions* draws on the editor's 30 years of explosives casework experience, including his work on task forces set up to investigate major explosives incidents. Dr. Alexander Beveridge provides a broad, multidisciplinary approach, assembling the contributions of internationally recognized experts *The Coding Manual for Qualitative Researchers* - Johnny Saldana 2012-10-04

The Second Edition of Johnny Saldaña's international bestseller provides an in-depth guide to the multiple approaches available for coding qualitative data. Fully up to date, it includes new chapters, more coding techniques and an additional glossary. Clear, practical and authoritative, the book: -describes how coding initiates qualitative data analysis - demonstrates the writing of analytic memos -discusses available analytic software -suggests how best to use *The Coding Manual for Qualitative Researchers* for particular studies. In total, 32 coding methods are profiled that can be applied to a range of research genres from grounded theory to phenomenology to narrative inquiry. For each approach, Saldaña discusses the method's origins, a description of the method, practical applications, and a clearly illustrated example with analytic follow-up. A unique and invaluable reference for students, teachers, and practitioners of qualitative inquiry, this book is essential reading across the social sciences.

Investigation Of Competition In Digital Markets - United States Congress 2020-10-06

In June 2019, the Committee on the Judiciary initiated a bipartisan investigation into the state of competition online, spearheaded by the Subcommittee on Antitrust, Commercial and Administrative Law. As part of a top-to-bottom review of the market, the Subcommittee examined the dominance of Amazon, Apple, Facebook, and Google, and their business practices to determine how their power affects our economy and our democracy. Additionally, the Subcommittee performed a review of existing antitrust laws, competition policies, and current enforcement levels to assess whether they are adequate to address market power and anticompetitive conduct in digital markets. Over the course of our investigation, we collected extensive evidence from these companies as well as from third parties totaling nearly 1.3 million documents. We held seven hearings to review the effects of market power online-including on the free and diverse press, innovation, and privacy-and a final hearing to examine potential solutions to concerns identified during the investigation and to inform this Report's recommendations. A year after initiating the investigation, we received testimony from the Chief Executive Officers of the investigated companies: Jeff Bezos, Tim Cook, Mark Zuckerberg, and Sundar Pichai. For nearly six hours, we pressed for answers about their business practices, including about evidence concerning the extent to which they have exploited, entrenched, and expanded their power over digital markets in anticompetitive and abusive ways. Their answers were often evasive and non-responsive, raising fresh

questions about whether they believe they are beyond the reach of democratic oversight. Although these four corporations differ in important ways, studying their business practices has revealed common problems

Data Science and Big Data Analytics - EMC Education Services 2015-01-05

Data Science and Big Data Analytics is about harnessing the power of data for new insights. The book covers the breadth of activities and methods and tools that Data Scientists use. The content focuses on concepts, principles and practical applications that are applicable to any industry and technology environment, and the learning is supported and explained with examples that you can replicate using open-source software. This book will help you: Become a contributor on a data science team Deploy a structured lifecycle approach to data analytics problems Apply appropriate analytic techniques and tools to analyzing big data Learn how to tell a compelling story with data to drive business action Prepare for EMC Proven Professional Data Science Certification Corresponding data sets are available from the book's page at Wiley which you can find on the Wiley site by searching for the ISBN 9781118876138. Get started discovering, analyzing, visualizing, and presenting data in a meaningful way today!

[City of Thieves](#) - David Benioff 2008-05-15

From the critically acclaimed author of *The 25th Hour* and *When the Nines Roll Over* and co-creator of the HBO series *Game of Thrones*, a captivating novel about war, courage, survival — and a remarkable friendship that ripples across a lifetime. During the Nazis' brutal siege of Leningrad, Lev Beniov is arrested for looting and thrown into the same cell as a handsome deserter named Kolya. Instead of being executed, Lev and Kolya are given a shot at saving their own lives by complying with an outrageous directive: secure a dozen eggs for a powerful Soviet colonel to use in his daughter's wedding cake. In a city cut off from all supplies and suffering unbelievable deprivation, Lev and Kolya embark on a hunt through the dire lawlessness of Leningrad and behind enemy lines to find the impossible. By turns insightful and funny, thrilling and terrifying, the New York Times bestseller *City of Thieves* is a gripping, cinematic World War II adventure and an intimate coming-of-age story with an utterly contemporary feel for how boys become men.

Extreme Fear - Jeff Wise 2009-12-08

Ever since the phrase "fight or flight" was coined in the 1920s, the common understanding has been that the mind responds to danger in one of two ways - either fleeing in blind panic, or fighting through it. But as scientists unlock the secrets of the human brain, a more complex understanding of the fear response has emerged. It turns out that the ancient brain circuitry wired to process fear is also intricately tied to our ability to master new skills, and that the icy sensation of terror can actually enhance both our physical and our mental performance. Veteran science journalist Jeff Wise, who writes the "I'll Try Anything" column for *Popular Mechanics*, journeys into the heart of the primal force to find its hidden roots: Where does panic come from? How is it that some people can perform masterfully under pressure? How can we live a more courageous life? Reporting from the front lines of science, Wise takes us into labs where scientists are learning how we make decisions when confronted with physical peril, how time is perceived when the mind is on high alert, and how willpower succeeds or fails in controlling fear. Along the way, he illuminates the science with riveting stories of true-life danger and survival. We watch a woman defend herself from a mountain lion attack in a remote canyon; we witness a couple desperately fighting to beat back an encircling wildfire; we see a pilot struggle to maintain control of his plane as its wing begins to detach. Full of amazing characters and cutting-edge science, *Extreme Fear* is an original and absorbing look at how we can raise the limits of human potential.

Good White Queers? - Kai Linke 2021-03-31

How do white queer people portray our own whiteness? Can we, in the stories we tell about ourselves, face the uncomfortable fact that, while queer, we might still be racist? If we cannot, what does that say about us as potential allies in intersectional struggles? A careful analysis of Dykes To Watch Out For and *Stuck Rubber Baby* by queer comic icons Alison Bechdel and Howard Cruse traces the intersections of queerness and racism in the neglected medium of queer comics, while a close reading of Jaime Cortez's striking graphic novel *Sexile/Sexilio* offers glimpses of the complexities and difficult truths that lie beyond the limits of the white queer imaginary.

Mockingjay (Hunger Games, Book Three) - Suzanne Collins 2010-08-24

The greatly anticipated final book in the New York Times bestselling *Hunger Games* trilogy by Suzanne Collins.

Principles of Medical Biochemistry E-Book - Gerhard Meisenberg 2016-09-28

For nearly 30 years, *Principles of Medical Biochemistry* has integrated medical biochemistry with molecular genetics, cell biology, and genetics to provide complete yet concise coverage that links biochemistry with clinical medicine. The 4th Edition of this award-winning text by Drs. Gerhard Meisenberg and William H. Simmons has been fully updated with new clinical examples, expanded coverage of recent changes in the field, and many new case studies online. A highly visual format helps readers retain complex information, and USMLE-style questions (in print and online) assist with exam preparation. Just the right amount of detail on biochemistry, cell biology, and genetics - in one easy-to-digest textbook. Full-color illustrations and tables throughout help students master challenging concepts more easily. Online case studies serve as a self-assessment and review tool before exams. Online access includes nearly 150 USMLE-style questions in addition to the questions that are in the book. Glossary of technical terms. Clinical Boxes and Clinical Content demonstrate the integration of basic sciences and clinical applications, helping readers make connections between the two. New clinical examples have been added throughout the text.

Deep Maneuver - Jack D Kern Editor 2018-10-12

Volume 5, *Deep Maneuver: Historical Case Studies of Maneuver in Large-Scale Combat Operations*, presents eleven case studies from World War II through Operation Iraqi Freedom focusing on deep maneuver in terms of time, space and purpose. Deep operations require boldness and audacity, and yet carry an element of risk of overextension - especially in light of the independent factors of geography and weather that are ever-present. As a result, the case studies address not only successes, but also failure and shortfalls that result when conducting deep operations. The final two chapters address these considerations for future Deep Maneuver.

[American Airpower Comes Of Age—General Henry H. "Hap" Arnold's World War II Diaries Vol. II \[Illustrated Edition\]](#) - Gen. Henry H. "Hap." Arnold 2015-11-06

Includes the *Aerial Warfare In Europe During World War II* illustrations pack with over 180 maps, plans, and photos. Gen Henry H. "Hap." Arnold, US Army Air Forces (AAF) Chief of Staff during World War II, maintained diaries for his several journeys to various meetings and conferences throughout the conflict. Volume 1 introduces Hap Arnold, the setting for five of his journeys, the diaries he kept, and evaluations of those journeys and their consequences. General Arnold's travels brought him into strategy meetings and personal conversations with virtually all leaders of Allied forces as well as many AAF troops around the world. He recorded his impressions, feelings, and expectations in his diaries. Maj Gen John W. Huston, USAF, retired, has captured the essence of Henry H. Hap Arnold—the man, the officer, the AAF chief, and his mission. Volume 2 encompasses General Arnold's final seven journeys and the diaries he kept therein.

The Psychosocial Implications of Disney Movies - Lauren Dundes 2019-07-11

In this volume of 15 articles, contributors from a wide range of disciplines present their analyses of Disney movies and Disney music, which are mainstays of popular culture. The power of the Disney brand has heightened the need for academics to question whether Disney's films and music function as a tool of the Western elite that shapes the views of those less empowered. Given its global reach, how the Walt Disney Company handles the role of race, gender, and sexuality in social structural inequality merits serious reflection according to a number of the articles in the volume. On the other hand, other authors argue that Disney productions can help individuals cope with difficult situations or embrace progressive thinking. The different approaches to the assessment of Disney films as cultural artifacts also vary according to the theoretical perspectives guiding the interpretation of both overt and latent symbolic meaning in the movies. The authors of the 15 articles encourage readers to engage with the material, showcasing a variety of views about the good, the bad, and the best way forward.

The Media and the Rwanda Genocide - Kofi Atta Annan 2007-01-20

Explores the role of the media in the Rwandan genocide -- within the country and beyond.

[The Rio/Paris Crash](#) - Roger Rapoport 2011-12-10

The investigation behind the investigation. The story of the real causes of the crash of Flight 447.

[The Most Dangerous Game](#) - Richard Connell 2020-04-21

From one of America's most popular short story writers and an Academy Award nominee: the O. Henry Award-winning tale that inspired the

movie *The Hunt*. A subject of mysterious rumors and superstition, the deserted Caribbean Island was shrouded in an air of peril. To Sanger Rainsford, who fell off a yacht and washed up on its shores, the abandoned isle was a welcome paradise. But unknown to the big-game hunter, a predator lurked in its lush jungles—one more dangerous than any he had ever encountered: a human. First published in 1924, this suspenseful tale “has inspired serial killers, films and stirred controversy in schools. A century on, the story continues to thrill” (The Telegraph). “[A] tense, relentless story of man-against-man adventure, in which the hunter Sanger Rainsford learns, at the hands of General Zaroff, what it means to be hunted.” —Criterion

The Skeptics' Guide to the Universe - Dr. Steven Novella 2018-10-02

An all-encompassing guide to skeptical thinking from podcast host and academic neurologist at Yale University School of Medicine Steven Novella and his SGU co-hosts, which Richard Wiseman calls “the perfect primer for anyone who wants to separate fact from fiction.” It is intimidating to realize that we live in a world overflowing with misinformation, bias, myths, deception, and flawed knowledge. There really are no ultimate authority figures—no one has the secret, and there is no place to look up the definitive answers to our questions (not even Google). Luckily, *The Skeptic's Guide to the Universe* is your map through this maze of modern life. Here Dr. Steven Novella—along with Bob Novella, Cara Santa Maria, Jay Novella, and Evan Bernstein—will explain the tenets of skeptical thinking and debunk some of the biggest scientific myths, fallacies, and conspiracy theories—from anti-vaccines to homeopathy, UFO sightings to N-rays. You'll learn the difference between science and pseudoscience, essential critical thinking skills, ways to discuss conspiracy theories with that crazy co-worker of yours, and how to combat sloppy reasoning, bad arguments, and superstitious thinking. So are you ready to join them on an epic scientific quest, one that has taken us from huddling in dark caves to setting foot on the moon? (Yes, we really did that.) DON'T PANIC! With *The Skeptic's Guide to the Universe*, we can do this together. “Thorough, informative, and enlightening, *The Skeptic's Guide to the Universe* inoculates you against the frailties and shortcomings of human cognition. If this book does not become required reading for us all, we may well see modern civilization unravel before our eyes.” -- Neil deGrasse Tyson “In this age of real and fake information, your ability to reason, to think in scientifically skeptical fashion, is the most important skill you can have. Read *The Skeptics' Guide Universe*; get better at reasoning. And if this claim about the importance of reason is wrong, *The Skeptics' Guide* will help you figure that out, too.” -- Bill Nye

Historical Painting Techniques, Materials, and Studio Practice - Arie Wallert 1995-08-24

Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled “Historical Painting Techniques, Materials, and Studio Practice” at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

Fast Food Nation - Eric Schlosser 2012

Explores the homogenization of American culture and the impact of the fast food industry on modern-day health, economy, politics, popular culture, entertainment, and food production.

The Hunt for MH370 - Ean Higgins 2019-02-26

“A staggering, meticulous and frequently spine-chilling work of longform journalism.” Trent Dalton Somewhere deep beneath the wild seas of the southern Indian Ocean, perhaps in the eerie underwater canyons of Broken Ridge along the Seventh Arc satellite band, lies the answer to the world's greatest aviation mystery. Why, on the night of 8 March 2014, did Malaysia Airlines Flight MH370 suddenly U-turn, zig-zag up the

Straits of Malacca, then vanish with 239 souls on board? Was it an elaborate murder-suicide by a rogue pilot? A terrible accident such as onboard fire, rapid decompression or systems failure? A terrorist hijacking gone wrong? Or something else entirely? Award-winning journalist Ean Higgins has led the world media's coverage of this incredible saga and draws on years of interviews with aviation experts, victims' families, air crash investigators and professional hunters across land, sea and sky to dissect the riddle of MH370's fate. PRAISE FOR THE HUNT FOR MH370 “The Hunt for MH370 is a riveting page-turner written with the drama and intrigue of a thriller. Piece by tantalising piece, Ean Higgins unpuzzles this most baffling of mysteries, asking dangerous questions and revealing shocking truths.” Dick Smith “The disappearance of MH370 remains the greatest and most pressing mystery in aviation history that demands answers for both the families of the stricken passengers and the travelling public. No journalist has been more relentless in the pursuit of the truth of MH370 than Ean Higgins. The Hunt for MH370 is an engrossing book in which Higgins has meticulously pieced together the puzzle of the doomed flight from its vanishing to the flawed investigation and the largest maritime search ever that leads the reader to a chilling conclusion that is almost impossible to comprehend.” Paul Whittaker, Chief Executive Sky News and former editor-in-chief, The Australian

Hoosiers and the American Story - Madison, James H. 2014-10-01

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, economic 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.

Pre-Incident Indicators of Terrorist Incidents - Brent L. Smith 2011-01

This is a print on demand edition of a hard to find publication. Explores whether sufficient data exists to examine the temporal and spatial relationships that existed in terrorist group planning, and if so, could patterns of preparatory conduct be identified? About one-half of the terrorists resided, planned, and prepared for terrorism relatively close to their eventual target. The terrorist groups existed for 1,205 days from the first planning meeting to the date of the actual/planned terrorist incident. The planning process for specific acts began 2-3 months prior to the terrorist incident. This study examined selected terrorist groups/incidents in the U.S. from 1980-2002. It provides for the potential to identify patterns of conduct that might lead to intervention prior to the commission of the actual terrorist incidents. Illustrations.

Forensic Investigation of Explosions, Second Edition - Alexander Beveridge 2011-11-02

Now in its second edition, *Forensic Investigation of Explosions* draws on the editor's 30 years of explosives casework experience, including his work on task forces set up to investigate major explosives incidents. Dr. Alexander Beveridge provides a broad, multidisciplinary approach, assembling the contributions of internationally recognized experts who present the definitive reference work on the subject. Topics discussed include: The physics and chemistry of explosives and explosions The detection of hidden explosives The effect of explosions on structures and persons Aircraft sabotage investigations Explosion scene investigations Casework management The role of forensic scientists Analysis of explosives and their residues Forensic pathology as it relates to explosives Presentation of expert testimony With nearly 40 percent more material, this new edition contains revised chapters and several new topics, including: A profile of casework management in the UK Forensic Explosives Laboratory, one of the world's top labs, with a discussion of their management system, training procedures, and practical approaches to problem solving Properties and analysis of improvised explosives An examination of the Bali bombings and the use of mobile analytical techniques and mobile laboratories The collection, analysis, and presentation of evidence in vehicle-borne improvised explosive device cases, as evidenced in attacks on US overseas targets This volume offers valuable information to all members of prevention and post-blast teams.

Each chapter was written by an expert or experts in a specific field and provides well-referenced information underlying best practices that can be used in the field, laboratory, conference room, classroom, or courtroom.

QF32 - Richard de Crespigny 2012-08-01

QF32 is the award winning bestseller from Richard de Crespigny, author of the forthcoming *Fly!: Life Lessons from the Cockpit of QF32*. On 4 November 2010, a flight from Singapore to Sydney came within a knife edge of being one of the world's worst air disasters. Shortly after leaving Changi Airport, an explosion shattered Engine 2 of Qantas flight QF32 - an Airbus A380, the largest and most advanced passenger plane ever built. Hundreds of pieces of shrapnel ripped through the wing and fuselage, creating chaos as vital flight systems and back-ups were destroyed or degraded. In other hands, the plane might have been lost with all 469 people on board, but a supremely experienced flight crew, led by Captain Richard de Crespigny, managed to land the crippled aircraft and safely disembark the passengers after hours of nerve-racking effort. Tracing Richard's life and career up until that fateful flight, QF32 shows exactly what goes into the making of a top-level airline pilot, and the extraordinary skills and training needed to keep us safe in the air. Fascinating in its detail and vividly compelling in its narrative, QF32 is the riveting, blow-by-blow story of just what happens when things go badly wrong in the air, told by the captain himself. Winner of ABIA Awards for Best General Non-fiction Book of the Year 2013 and Indie Awards' Best Non-fiction 2012 Shortlisted ABIA Awards' Book of the Year 2013

Distributed Situation Awareness - Paul M. Salmon 2017-09-18

Having an accurate understanding of what is going on is a key commodity for teams working within military systems. 'Situation awareness' (SA) is the term that is used within human factors circles to describe the level of awareness that operators have of the situation that they are engaged in; it focuses on how operators develop and maintain a sufficient understanding of 'what is going on' in order to achieve success in task performance. Over the past two decades, the construct has become a fundamental theme within the areas of system design and evaluation and has received considerable attention from the human factors research community. Despite this, there is still considerable debate over how SA operates in complex collaborative systems and how SA achievement and maintenance is best supported through system, procedure and interface design. This book focuses on the recently developed concept of distributed situation awareness, which takes a systems perspective on the concept and moves the focus on situation awareness out of the heads of individual operators and on to the overall joint cognitive system consisting of human and technological agents.

Situation awareness is viewed as an emergent property of collaborative systems, something that resides in the interaction between elements of the system and not in the heads of individual operators working in that system. The first part of the book presents a comprehensive review and critique of existing SA theory and measurement approaches, following which a novel model for complex collaborative systems, the distributed SA model, and a new modelling procedure, the propositional network approach, are outlined and demonstrated. The next part focuses on real-world applications of the model and modelling procedure, and presents four case studies undertaken in the land warfare, multinational warfare and energy distribution domains. Each case study is described in terms of the domain in question, the methodology employed, and the findings derived in relation to situation awareness theory. The third and final part of the book then concentrates on theoretical development, and uses the academic literature and the findings from the case study applications to validate and extend the distributed SA model described at the beginning of the book. In closing, the utility of the distributed SA model and modeling procedure are outlined and a series of initial guidelines for supporting distributed SA through system design are articulated.

Your Inner Fish - Neil Shubin 2008-01-15

Neil Shubin, the paleontologist and professor of anatomy who co-discovered Tiktaalik, the "fish with hands," tells the story of our bodies as you've never heard it before. The basis for the PBS series. By examining fossils and DNA, he shows us that our hands actually resemble fish fins, our heads are organized like long-extinct jawless fish, and major parts of our genomes look and function like those of worms and bacteria. *Your Inner Fish* makes us look at ourselves and our world in an illuminating new light. This is science writing at its finest—enlightening, accessible and told with irresistible enthusiasm.

An Introduction to Language and Linguistics - Ralph Fasold 2006-03-06

This accessible textbook is the only introduction to linguistics in which each chapter is written by an expert who teaches courses on that topic, ensuring balanced and uniformly excellent coverage of the full range of modern linguistics. Assuming no prior knowledge the text offers a clear introduction to the traditional topics of structural linguistics (theories of sound, form, meaning, and language change), and in addition provides full coverage of contextual linguistics, including separate chapters on discourse, dialect variation, language and culture, and the politics of language. There are also up-to-date separate chapters on language and the brain, computational linguistics, writing, child language acquisition, and second-language learning. The breadth of the textbook makes it ideal for introductory courses on language and linguistics offered by departments of English, sociology, anthropology, and communications, as well as by linguistics departments.