

Practical Military Ordnance Identification

Informants are an invaluable, often instrumental aspect of criminal investigations, but they do present certain management issues. In the necessarily clandestine world they inhabit, the imposition of institutional control presents unique challenges. Lack of training and communication among law enforcement professionals tend to ensure the same error

**Practical Military Ordnance
Identification, Second**

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Edition CRC Press

Written by the nation's foremost authority on gunshot wounds and forensic techniques as they relate to firearm injuries, Gunshot Wounds: Practical Aspects of Firearms, Ballistics, and Forensic Techniques, Second Edition provides critical information on gunshot wounds and the weapons and ammunition used to inflict them. The book describes practical aspects of ballistics, wound ballistics, and the classification of various wounds caused by handguns, bang guns, rifles, and

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shotguns. The final chapters explain autopsy technique and procedure and laboratory analysis relating to weapons and gunshot evidence.

Remember: Do it right the first time. You only get one

chance. Vernon J. Geberth, M.S., M.P.S., 1980, Homicide and Forensic Consultant,

Author of Practical Homicide Investigation, and the Series Editor of Practical Aspects of Criminal and Forensic

Investigations. In Practical

Homicide Investigation,

renowned author and

investigator Vernon J. Gebert

Tire Tread and Tire Track

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Evidence

A Professional's Guide to Corel Painter

Introduction to Security and Network Forensics

Analyzing 911 Homicide Calls The Counterterrorism Handbook

The Long Walk

Medicolegal investigation of death is the most crucial and significant function of the medical examiner within the criminal justice system. The medical examiner is primarily concerned with violent, sudden, unexpected, and suspicious deaths and is responsible for determining

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the cause and manner of death, identifying the deceased, determining the ap
A memoir by a bomb-disposal veteran of the Iraq War traces his three tours of duty in the Middle East and his team's daily life-threatening efforts to stop roadside bombers, sharing additional coverage of the challenges he faced while reacclimating to civilian life.
75,000 first printing.

These three volumes sort out the science behind nightly news reports and magazine cover stories, and help define the interdisciplinary field of lifestyle medicine and health.

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A thumb print left at the scene of a grisly murder.

Fingerprints taken from a getaway car used in a bank robbery. A palm print recovered from the shattered glass door of a burglarized home. Indeed, where crimes are committed, careless perpetrators will invariably leave behind the critical pieces of evidence—most likely in the form of fingerprints—needed to catch and convict them. But the science of fingerprint identification isn't always as cut and dry as detective novels and movies make it out to be. Quantitative-Qualitative

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Friction Ridge Analysis, a new book in the ongoing Practical Aspects of Criminal and Forensic Investigations series, examines the latest methods and techniques in the science of friction ridge identification, or ridgeology. David R. Ashbaugh examines every facet of the discipline, from the history of friction ridge identification and its earliest pioneers and researchers, to the scientific basis and the various steps of the identification process. The structure and growth of friction skin and how it can leave latent or visible prints

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are examined, as well as advanced identification methods in ridgeology, including Poroscopy, Edgeoscopy, Pressure Distortion and Complex or Problem Print Analysis. The book, which features several detailed illustrations and photographs, also includes a new method for Palmar Flexion Crease Identification (palm lines) designed by the author and which has helped solve several criminal cases where fingerprints were not available. For crime scene technicians, forensic identification specialists, or

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anyone else pursuing a career in forensic science, this book is arguably the definitive source in the science of friction ridge identification.

Practical Crime Scene Processing and Investigation, Third Edition

Practical Aspects and Applications

Research and Development to Improve Civilian Medical Response

Encyclopedia of Lifestyle Medicine and Health

Footwear Impression Evidence Military Trade

The threat variables associated with military ordnance are enormous, requiring the

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application of a structured process to identify unknown munitions. The focus of Practical Military Ordnance Identification is the application of a practical deductive process to identify unknown ordnance items that are commonly recovered outside military control. The author supplies a seven-step procedure to identify unknown munitions by their category, group, and type. Detailed logic trees help users narrow down the possibilities in order to accurately identify ordnance. The book covers the safety precautions associated with each category and group of ordnance. It describes many ordnance construction characteristics and explains the fundamentals of military ordnance fuzing. Appendices define terms and supply abbreviations and acronyms used to describe military ordnances. For any queries please contact the author at tgersbeck@2ig-llc.com.

2013 printing. This manual focuses on EOD

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techniques which have either been developed or changed significantly over the past 11 years. Modularity has created exponential growth of EOD forces in an extremely short amount of time. Rules of allocation for EOD companies have continually changed to adapt to the current fight and ensure that EOD forces remain relevant. This publication provides Army EOD the opportunity to capture into a single document the most successful techniques available to perform EOD tasks and effectively complete missions. ATP 4-32 is a sole source documented explanation of EOD mission sets throughout the full range of military operations. The publication covers support provided to combatant commanders on counter terrorism and irregular warfare. EOD forces are a key enabler to deter and defeat aggression, project power despite anti- access/area denial challenges, counter weapons of mass

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destruction, and maintain a safe, secure and effective nuclear deterrent. EOD also supports civil and federal authorities in the defense of the homeland. Most stability, counter-insurgency, humanitarian, and disaster relief operations will require EOD support. This ATP distills public laws and regulatory guidance that specifically direct the Services EOD mission sets and provides coherent Army doctrine for EOD in unified land operations. ATP 4-32 provides doctrinal guidance for EOD commanders and Soldiers responsible for all EOD operations. Commanders and staffs of Army headquarters serving as joint task force or multinational headquarters should also refer to applicable joint, multiservice or multinational doctrine concerning EOD operations. Trainers and educators throughout the Army will also use this manual.

Every action performed by a crime scene

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investigator has an underlying purpose: to both recover evidence and capture scene context. It is imperative that crime scene investigators must understand their mandate—not only as an essential function of their job but because they have the immense responsibility and duty to do so. Practice Crime Scene Processing and Investigation, Third Edition provides the essential tools for what crime scene investigators need to know, what they need to do, and how to do it. As professionals, any investigator's master is the truth and only the truth. Professional ethics demands an absolute adherence to this mandate. When investigators can effectively seek, collect, and preserve information and evidence from the crime scene to the justice system—doing so without any agenda beyond seeking the truth—not only are they carrying out the essential function and duty of their job, it also increases the

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likelihood that the ultimate goal of true justice will be served. Richly illustrated—with more than 415 figures, including over 300 color photographs—the Third Edition of this best-seller thoroughly addresses the role of the crime scene investigator in the context of:

Understanding the nature of physical evidence, including fingerprint, biological, trace, hair and fiber, impression, and other forms of evidence Assessing the scene, including search considerations and dealing with chemical and bioterror hazards Crime scene photography; scene sketching, mapping, and documentation; and the role of crime scene analysis and reconstruction Bloodstain pattern analysis and discussion of the body as a crime scene Special scene considerations, including fire, buried bodies, and entomological evidence Coverage details the importance of maintaining objectivity, emphasizing that every action

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the crime scene investigator performs has an underlying purpose: to both recover evidence and capture scene context. Key features: Outlines the responsibilities of the responding officer, from documenting and securing the initial information to providing emergency care Includes three new chapters on light technology and crime scene processing techniques, recovering fingerprints, and castings Addresses emerging technology and new techniques in 3-D Laser scanning procedures in capturing a scene Provides a list of review questions at the end of each chapter Practice Crime Scene Processing and Investigation, Third Edition includes practical, proven methods to be used at any crime scene to ensure that evidence is preserved, admissible in court, and persuasive. Course ancillaries including PowerPoint® lecture slides and a Test Bank are available with qualified course adoption. Police success in linking vehicles to the

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scene of a crime through the impressions and tracks those vehicles leave behind has long served as a successful and reliable forensic tool. The collection and forensic evaluation of that evidence, however, requires specialized knowledge, training, and expertise. Drawing from the author's 34 years of experience, first as an FBI examiner and currently as a private consultant in the area of tire evidence, *Tire and Tire Track Evidence: Recovery and Forensic Examination* is the most comprehensive and up-to-date volume available on the subject. Covering all aspects of the field, the book begins with general information on the modern pneumatic tire and basic terminology. For both the crime scene technician and the forensic examiner, the author addresses information on both how to recover tire track evidence and how to photograph and cast the individual tread detail from those impressions. The book

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explains and illustrates the necessary information on obtaining known exemplars; tire manufacturing, and retreading tires. It explains important aspects of tires including their tread design and dimension, noise treatment, general wear and individual acquired characteristics. The author instructs on applying that knowledge while conducting a structured examination procedure, resulting in the final evaluation of evidence and report writing as well as the presentation of tire evidence in court. He provides information on databases and resources along with case examples, including the Oklahoma City bombing. Informative and useful, this book gives crime scene technicians and forensic examiners the tools to accurately and reliably collect, recover, and examine tire evidence.

Cleanup of Chemical and Explosive Munitions

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Location, Identification and Environmental Remediation

Planning Munitions for War

A Story of War and the Life That Follows

Practical Bomb Scene Investigation, Second Edition

Explosive Ordnance Disposal (Eod)

Operations Atp 4-32

This book provides protocols for suicide and equivocal death investigation, police action shooting investigations and a homicide supervisor's checklist. It contains state-of-the-art anatomical graphics in full color to assist the investigator in describing any injuries or wounds to the body.

Death, Decomposition, and Detector Dogs: From Science to Scene is designed to help police investigators and Human Remains

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Detection K9 handlers understand the basics of forensic taphonomy (decomposition) and how to most effectively use a human remains detection (HRD) K9 as a locating tool. The book covers basic anatomy and the physiology of canine

A guide on procedures, administration, and equipment, Bombs, IEDs, and Explosives: Identification, Investigation, and Disposal Techniques introduces concepts, basic knowledge, and necessary skill sets for bomb technicians. It covers topics such as training resources, bomb threat and incident response, legal aspects of bomb disposal, explosives and

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Forensic professionals, particularly medical examiners—often working through heavy caseloads—require quick and easy access to reliable sources of information to help interpret toxicology results. While several in-depth resources are available, they are often large, cumbersome, and contain more information than is often needed. The Handbook of Forensic Toxicology for Medical Examiners is a concise handbook referencing the most common toxic substances and their reported non-toxic, toxic, and lethal concentrations, making it an ideal text for quick reference in the lab or autopsy room. Features of the Second Edition: Explains the principles of postmortem toxicology

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and the factors which must be considered Provides tables of toxicologic data for over 200 commonly encountered substances, including drugs of abuse, poisons, prescription drugs, and over-the-counter medications Includes discussion and description of the novel psychoactive drugs—including synthetic opioids, cannabinoids, stimulants and hallucinogens Supplemental appendices provide additional information regarding specimen types and selection, testing methodologies, normal laboratory values, and conversion charts The busy forensic professional needs a concise handbook that provides critical information quickly and

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accurately. This heavily referenced text offers an easy-to-use format allowing for rapid access for both routine daily use and preparation for courtroom testimony.

*Bombs, IEDs, and Explosives
Analysis of Modus Operandi and
Signature Characteristics of Killers*

The Basics of Explosives

Practical Homicide Investigation

Checklist and Field Guide

*Informants and Undercover
Investigations*

Practical Bomb Scene Investigation

A same-sex attraction for soldiers and sailors spans the globe and predates the term “homosexual” by several thousand years. But these days “military chasers” are likely to be seen as doubly incorrect. Most are gay men who

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pursue straight men. And, many of them do it in public. What continues to motivate so many men to brave arrest, violence, and the scorn of gay leaders who condemn any non-gay homosexual desire as “ internalized homophobia ” ? In Military Trade (now updated to include an expanded photo insert!), Steven Zeeland, author of Sailors and Sexual Identity, The Masculine Marine, and Barrack Buddies and Soldier Lovers, brings together an edgy, enlightening, and richly entertaining collection of voices with a passion for servicemen, including: a TV talk-show host who pimped Marines to Hollywood stars a heavy metal superstar who dreams of being reincarnated as a Marine boot a women “ trapped in a

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gay man ' s body ” who seduces Marines online then dominates them in person with strap-on dildos a former Force Recon Marine who complains of being chased by civilians but is now a Marine-chaser himself By turns steamy, hilarious, appalling, and deeply moving, Military Trade challenges assumptions about both chaser and chased and poses pointed questions about the wisdom of those who seek to divide the world into “ straight ” and “ gay. ” The interviews and essays collected in this book suggest that, paradoxically, for many men the advances of the gay rights movement have actually made it more difficult to form affectional bonds with other men. Gay sex has never been more openly

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advertised. But the military love of comrades is something that gay life can't offer. Military Trade offers groundbreaking insight into: the difference between "military chasers" and uniform fetishists why gay men prefer sailors and Marines over soldiers and airmen the surprising range of sexual, "buddy," and even love relationships "chasers" form with servicemen the nuances of "trade" and civil-military male prostitution what has been overlooked in the "sex panic" debate about men who have sex in public places For anyone interested in queer theory, the construction of masculinity, or sex between men outside of gay urban culture--and for anyone who has ever thrilled at the sight of a man in uniform--Military Trade is

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must reading.

Linking the murders of an alleged serial killer to successfully present a case in court involves a specific methodology that has been scrutinized by the judicial system but is largely absent in the current literature. Serial Violence:

Analysis of Modus Operandi and Signature Characteristics of Killers fully explains the process of finding the nexus between one violent crime and another for the purpose of pursuing the same offender at trial. Examines real cases of some of the world ' s most notorious serial killers Written by renowned experts, this book focuses on analyzing crimes of violence to unveil common characteristics that might prove useful in the identification,

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apprehension, and conviction of murderers. It begins by detailing the historical origins of modus operandi as an investigative tool. It examines murderous ritualistic behavior in a variety of cases, including William Heirens, Harvey Glatman, Morris Frampton, and Jack the Ripper. Later chapters discuss serial murders accompanied by burglary, torture, picquerism, sexual violence, sexual degradation, and a host of other behaviors. Includes color photographs of actual crime scenes

Containing numerous color photos, this volume includes useful information for expert witnesses and portions of transcripts of original testimony. The scintillating detail and rigorous analysis presented in this volume

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enables those charged with solving these violent crimes to discern the types of modus operandi and ritualistic behaviors that can be linked to the same offender, helping law enforcement bring these dangerous offenders to justice. About the Authors Bob Keppel served on the King County homicide task force that investigated the infamous Ted Bundy and has been an expert witness on scores of serial killer signature profile cases across the United States. Along with coauthor William Birnes, Dr. Keppel worked on a United States Department of Justice grant to evaluate how local police homicide units use computer database technology to track serial killer and sexual offender cases by cross-referencing offender

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psychological signatures.

The U.S. Army fought World War II with materiel much of which was developed in the decade prior to our entry, particularly in the period following the German blitz in Poland. Our efforts to develop munitions to the point where our armies could cope on equal terms with those of potential enemies are covered here in this, the first of three projected volumes on the history of the Ordnance Department in World War II. How well the Ordnance Department succeeded in matching the Germans in quality continues to be a matter of debate both within the Ordnance Department itself, and between the using arms and the Department. That the battle of quantity was won-with the help of

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a superb industrial machine-can hardly be denied. This volume, the result of diligent research by Dr. Constance McL. Green and her associates, should interest not only military men but also scientists, industrialists, and laymen in general. Among other things, it shows the urgent necessity of a directed, continuous, and intensive research program and the danger in failing to recognize and profit by developments abroad. Also shown is the inherent time interval between the drawing board and the production of the end item in quantity."

Digital Forensic Art Techniques: A Professional's Guide to Corel Painter™ illustrates hands-on techniques to digitally create

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forensic art for police and investigative purposes. Coverage focuses specifically on how to utilize the software to create realistic human likenesses, including composites of suspects and drawings of persons in unidentified remains cases. Drawing digitally is like using any tool in art: a pencil, a charcoal stick, a conte' crayon. A stylus is just another tool to master. Digital work is easier for artists to send to the case detective, and the work always reproduces exactly as it was completed. Another benefit to working digitally is that one can use video conferencing with a witness online to provide services remotely world-wide. This enables police departments who have never had access to a forensic

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artist to have a sketch done within hours of the crime. Chapters address the more basic functions to serve as a primer for those transitioning to working digitally. There is also instruction on light and shadow, and bones and muscles of the skull. All of the discussion is intended to make the reader see things as an artist to improve drawing skills and overall digital techniques. In short, Digital Forensic Art Techniques is a practical, easy-to-follow manual for working forensic artists that will give readers a solid base from which to start. It serves as an essential resource to greater skill and comfort with the hardware and software, thus furthering current best practices and technological advances in the field.

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Bloodstain Pattern Analysis
DiMaio's Forensic Pathology
Identification, Investigation, and
Disposal Techniques

A Practical Guide to Law, Policy,
and Procedure

Sex-Related Homicide and Death
Investigation

Criminal investigation is a dynamic endeavor impacted by changes in human nature, statutory and constitutional laws, and methods of operation. New challenges are constantly posed for the investigator and the investigation of drug offenses is no exception. It takes advanced skills to

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keep pace with the criminal mind. Unfortunately, the skills acquired in basic police training are just that: basic. In order to stay ahead of their criminal counterparts, drug enforcement officers must seek extensive, ongoing training and knowledge, not just to secure a lawful conviction but to keep themselves and the public safe. This new edition of the bestselling Practical Drug Enforcement provides a thoroughly revised and updated guide to the contemporary aspects of

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covert criminal investigations and the management of the drug enforcement unit itself. Appealing to a wide variety of law enforcement officers in all jurisdictions, it addresses different methods of detection, investigation, surveillance, and capture of drug traffickers as well as identifies those methods commonly employed by criminals to avoid detection. Drawing from the author's expertise in the field, and as a nationally recognized consultant, this book contains practical hands-on

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information for the officer in the street and the administrator coordinating operations. This edition includes new drug identification photos, charts, and updated statistics, as well as an entirely new chapter on the surreptitious monitoring of suspects, entrapment, and “possession with intent” cases. New topics include— Drug courier profiling High-tech surveillance, including GPS and thermal imaging Raid procedures for clandestine labs Drug diversion by physicians and pharmacies

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*Searching, seizing, and
handling drug evidence*

Reverse sting operations

*Undercover work, risks, and
stress Informant*

*management Designed as an
investigative resource on*

current drug enforcement

techniques, Practical Drug

Enforcement, Third Edition

allows law enforcement

personnel from a variety of

jurisdictions and priorities to

maintain concurrent

initiatives regarding the

identification, apprehension,

and prosecution of all known

drug offenders and drug

traffickers at local and

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national levels.

Every three years, worldwide forensics experts gather at the Interpol Forensic Science

Symposium to exchange ideas and discuss scientific advances in the field of forensic science and criminal justice. Drawn from contributions made at the latest gathering in Lyon, France, Interpol's Forensic Science Review is a one-source reference providing a comp

Now in its second edition, Practical Bomb Scene Investigation explores the

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investigative process that improvised explosive device (IED) specialists undertake at the scene of an explosion. Providing easy-to-understand, step-by-step procedures for managing and processing a bomb scene, it enables investigators to find the evidence and then make sense of what is found. The book is not only a roadmap of knowledge on how to find and collect evidence, but also an instructional guide on how to safely and effectively assess the scene. New in this Edition:

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Information on detonation pressure and its effects on the body Instructions on how to collect additional information from the scene in order to provide an estimate of the explosives weight of the IED A glossary for a more in-depth understanding of the terms associated with explosives and the investigation processes A greatly expanded IED component identification chapter A chapter on how to expeditiously investigate a post-blast scene in a hostile environment Information on

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how to prepare an Investigative Report
Improve your use of tire imprint evidence with the work of an expert.
McDonald discusses methods for examining, capturing, and recording imprints, outlines standard procedures for identification, shows how to prepare expert testimony, and provides detailed technical information helpful in identifying imprints.
U.S. Army Explosives and Demolitions Handbook
Death, Decomposition, and Detector Dogs

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*Department of Defense
Dictionary of Military and
Associated Terms*

Forensic Pathology

Tire Imprint Evidence

*Tactics, Procedures, and
Techniques, Third Edition*

Keeping up with the latest developments in cyber security requires ongoing commitment, but without a firm foundation in the principles of computer security and digital forensics, those tasked with safeguarding private information can get lost in a turbulent and shifting sea. Providing such a foundation, *Introduction to Security and Network*

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Forensics covers the basic principles of intrusion detection systems, encryption, and authentication, as well as the key academic principles related to digital forensics. Starting with an overview of general security concepts, it addresses hashing, digital certificates, enhanced software security, and network security. The text introduces the concepts of risk, threat analysis, and network forensics, and includes online access to an abundance of ancillary materials, including labs, Cisco challenges, test questions, and web-based

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videos. The author provides readers with access to a complete set of simulators for routers, switches, wireless access points (Cisco Aironet 1200), PIX/ASA firewalls (Version 6.x, 7.x and 8.x), Wireless LAN Controllers (WLC), Wireless ADUs, ASDMs, SDMs, Juniper, and much more, including: More than 3,700 unique Cisco challenges and 48,000 Cisco Configuration Challenge Elements 60,000 test questions, including for Certified Ethical Hacking and CISSP® 350 router labs, 180 switch labs, 160 PIX/ASA labs, and 80 Wireless labs Rounding out coverage with a look

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into more advanced topics, including data hiding, obfuscation, web infrastructures, and cloud and grid computing, this book provides the fundamental understanding in computer security and digital forensics required to develop and implement effective safeguards against ever-evolving cyber security threats. Along with this, the text includes a range of online lectures and related material, available at: <http://asecuritybook.com>. Bloodstain pattern analysis helps establish events associated with violent crimes. It is a critical bridge between forensics and

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the definition of a precise crime reconstruction. The second edition of this bestselling book is thoroughly updated to employ recent protocols, including the application of scientific method, the use of flow charts, and the inter-relationship of crime scene analysis to criminal profiling. It provides more illustrations, including color photographs, and explains the use of computer programs to create demonstrative evidence for court.

Explosives are used around the world for both productive purposes such as building hydroelectric dams

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and mining and destructive purposes, primarily by the military. Explosives are usually divided into two classes those that burn and those that detonate.

Detonated explosives typically produce a shock front or shock wave that results from an exothermic chemical reaction. This chemical reaction usually results in a relatively stable compound being exposed to a concentrated source of energy such as a blasting cap or other type of detonation device. The solid explosive will phase shift to a high temperature expanding gas in approximately one-millionth

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of a second (a nanosecond) with pressures exceeding several million pounds per square inch. For one example we can examine 'Det Cord', also known as Primacord which is usually produced in rolled up or coiled section of cord. This cord is then unwound and when detonated will produce an explosive front along the length of the cord that travels at the speed of 5 miles per second. In other words, if you laid out 5 miles of Det cord, and detonated it, the 5 miles of cord would be explosively spent in one second. Whereas if you burned or ignited the same amount cord it could take weeks to burn to

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completion. This 2 volume set explains the nature of the various industrial and military explosives and also discusses some of the chemistry involved in these explosives - particularly in the 2nd volume.

Military demolitions are the destruction by fire, water, explosive, and mechanical means of areas, structures, facilities, or materials to accomplish a military objective. The U.S. Army Explosives and Demolitions Handbook is a guide to the use of explosives in the destruction of military obstacles from the Department of the U.S. Army. This guide includes

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information on types, characteristics, and uses of explosives and auxiliary equipment; preparation, placement, and firing of charges; safety precautions; handling, transportation, and storage of explosives; deliberate and hasty demolition methods; and much more. Applicable to nuclear and nonnuclear warfare, and having offensive and defensive uses, the knowledge one will come away with from reading this handbook is invaluable.

Gunshot Wounds

Interpol's Forensic Science
Review

Serial Violence

Handbook of Forensic

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Toxicology for Medical Examiners

American Practical Navigator: an Epitome of Navigation and Nautical Astronomy

The Ordnance Department

The Encyclopedia of U.S. Intelligence is the first definitive work to chronicle the history, profile prominent figures, examine world-renowned agencies, and mark key events that have shaped the present U.S. intelligence landscape. With contributions from scholars, researchers, academics, and practicing professionals, it explores

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issues that reflect the public interest about American intelligence at every level from the public to the private sector. The encyclopedia covers topics related to the field of U.S. intelligence practices, agencies, and history, presented in a holistic manner that reflects both academic and applied perspectives. Going beyond a basic overview of the intelligence community and its functions, the entries offer authoritative insight on historical issues and events, significant personalities,

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legislation, education and training, and current information about terrorism and counterterrorism.

Entries detail not only the practice and profession of intelligence within the federal government, but also criminal intelligence and analysis and the organization and activities of foreign intelligence services. They reflect the interdisciplinary nature of intelligence analysis and the variety of government agencies that make up the intelligence community. This two-volume set is a must-

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have reference for government agencies, research and university libraries, and individuals interested in the development and practice of intelligence in the United States. The Encyclopedia is also available in a continually updated online version.

The illicit use of explosives has become a growing international concern. Those investigating the scenes of these bombings must do so expeditiously and effectively in order to locate any and all evidence among the rubble

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that can identify the culprits and bring them to justice. Written by an explosives expert with over thirty years in the field, Practical Bomb Scene Investigation is an accessible step-by-step guide through the postblast investigative process. It is the first single-source reference that not only provides essential information on locating and safeguarding evidence at the scene, but it also takes the investigator through all phases of the inquiry. This book uses case studies to promote an organized,

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methodical approach to investigations. It addresses safety issues such as military ordnance identification procedures and indicators of biological, chemical, and radiological material use. It also provides full color photographs of bomb scenes and related evidence. Practical Bomb Scene Investigation is an essential book for not only the explosion/bomb scene investigator and technician, but also for homeland security professionals, first responders, terrorism/intelligence

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analysts, military personnel, trainers, educators, criminalist and forensic scientists

Existing and Potential Standoff Explosives

Detection Techniques

examines the scientific techniques currently used as the basis for explosives detection and determines whether other techniques might provide promising research avenues with possible pathways to new detection protocols. This report describe the characteristics of explosives, bombs, and their

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components that are or might be used to provide a signature for exploitation in detection technology; considers scientific techniques for exploiting these characteristics to detect explosives and explosive devices; discusses the potential for integrating such techniques into detection systems that would have sufficient sensitivity without an unacceptable false-positive rate; and proposes areas for research that might be expected to yield significant advances in practical

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explosives and bomb detection technology in the near, mid, and long term. The threat of domestic terrorism today looms larger than ever. Bombings at the World Trade Center and Oklahoma City's Federal Building, as well as nerve gas attacks in Japan, have made it tragically obvious that American civilians must be ready for terrorist attacks. What do we need to know to help emergency and medical personnel prepare for these attacks? Chemical and Biological Terrorism identifies the R&D efforts

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needed to implement recommendations in key areas: pre-incident intelligence, detection and identification of chemical and biological agents, protective clothing and equipment, early recognition that a population has been covertly exposed to a pathogen, mass casualty decontamination and triage, use of vaccines and pharmaceuticals, and the psychological effects of terror. Specific objectives for computer software development are also identified. The book

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addresses the differences between a biological and chemical attack, the distinct challenges to the military and civilian medical communities, and other broader issues. This book will be of critical interest to anyone involved in civilian preparedness for terrorist attack: planners, administrators, responders, medical professionals, public health and emergency personnel, and technology designers and engineers. Existing and Potential Standoff Explosives Detection Techniques

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Practical Military Ordnance Identification, Second Edition

Practical Drug Enforcement, Third Edition

Encyclopedia of U.S. Intelligence - Two Volume Set (Print Version)

Recovery and Forensic Examination

Detection, Recovery and Examination, SECOND EDITION

The threat variables associated with military ordnance are enormous, requiring the application of a structured process to identify unknown munitions.

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The focus of Practical Military Ordnance Identification, Second Edition is the application of a practical deductive process to identify unknown ordnance items that are commonly recovered outside military control. The author supplies a seven-step procedure to identify unknown munitions by their category, group, and type. Detailed logic trees help users narrow down the possibilities in order to accurately identify ordnance. The book covers the safety precautions associated with each category and group of

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ordnance. It describes many ordnance construction characteristics and explains the fundamentals of military ordnance fuzing. Appendices define terms and supply abbreviations and acronyms used to describe military ordnances. Coverage new to this edition include: a list of conventional markings; additional safety precautions to take; an expanded list of high explosives; additional technical details on explosives effects; hazards associated with pyrotechnics, pyrophorics, smoke compounds, and

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incendiaries; a section on pre-1870 projectiles, hand grenades, landmines, underwater ordnances, and rockets; and details on Man-Portable-Air-Defense-Systems (MANPADS) missile systems.

Reviewed and recognized as the most authoritative source in the field, this book describes the methods used worldwide to recover and identify footwear impressions from the scene of a crime. In this new edition, everything, including the original twelve chapters, bibliography, appendix, etc.,

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has been clarified, updated and expanded. This edition includes updated and new information on recovery procedures and materials such as lifting, photography and casting; chemical enhancement; updated information about footwear manufacturing; footwear sizing; and known impression techniques and materials. WHAT'S NEW IN THE SECOND EDITION: Besides updating and expanding the twelve original chapters, Footwear Impression Evidence: Detection, Recovery and

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Examination, Second Edition adds three new chapters: one chapter on barefoot evidence, which concerns impressions made by the naked or sock-clad foot or those which remain in abandoned or discarded footwear; another new chapter on several cases in which the footwear impression evidence was of primary importance in bringing about a conviction or confession; and finally, a new chapter on the footwear impression evidence in the O.J. Simpson criminal and civil cases.

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This book provides police investigators and homicide detectives with a practical method of analyzing 911 homicide calls to uncover the truth. A structured analysis of 911 homicide calls can directly aid in developing investigative leads, planning interviews and solving cases. Case examples present proven, reliable methods as to when a caller is telling the truth or not. This book lays out a framework to analyze the call to determine truth from fiction. Every member of the investigative team, from call-

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taker to first responder, investigator, coroner's investigators, and prosecutor, can contribute to the success of investigations through their knowledge of 911 call analysis.

The first two editions of Forensic Pathology have been highly touted as the definitive, go-to text reference on forensic pathology and this latest edition is no exception. DiMaio's Forensic Pathology, Third Edition is fully updated to include the many advancements that have occurred in the field over the

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last 20 years since the last edition was published. Joining Dr. Vincent DiMaio is practicing forensic pathologist Dr. Kimberley Molina who brings her expertise to the latest edition of this all-time best-selling work. Historical chapters have been reviewed and updated, and the natural disease and toxicology chapters have been streamlined, so as to expand on the new improvements in the field. New content includes discussions on chronic traumatic encephalopathy,

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sudden unexplained infant deaths, deaths in the elderly and blast injuries – among other topics. Chapters incorporate changes to death investigation, forensic DNA typing and other relevant fields relative to forensic pathology and determination of death. In addition, the third edition includes an entirely new – and long-sought-after – chapter summarizing Dr. DiMaio's world-renowned expertise on gunshot wounds. Key Features Includes over 400 full-color images illustrating key

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concepts Boasts new chapters on gunshot wounds, mass fatality incidents and the application of forensic science principles to forensic pathology practice Provides updated and expanded coverage of medicolegal death investigation, postmortem changes, time of death, deaths in custody, deaths in the elderly and drug-related deaths Presents new research and advanced techniques, ranging from chronic traumatic encephalopathy to new and emerging drugs DiMaio's

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Forensic Pathology, Third Edition maintains its concise, easy-to-read format with completely updated references and over 400 full-color demonstrative photographs and photomicrographs to illustrate concepts – making it appealing not only to forensic pathologists, but also law enforcement personnel and attorneys. This highly anticipated work continues Dr. DiMaio's long legacy of producing invaluable educational and professional resources.

From Science to Scene

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ATF - National Firearms Act Handbook

Chemical and Biological Terrorism

Digital Forensic Art Techniques

Quantitative-Qualitative Friction Ridge Analysis

An Introduction to Basic and Advanced Ridgeology

Unexploded military ordnance and toxic chemicals, some dating back to the two World Wars, are a global concern, especially when former military bases are redeveloped for housing or other

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civilian uses.

Internationally, there are the added challenges of cleanup of battlegrounds and minefields. Experts estimate that the United States alone could spend between \$50–250 billion to clean up these sites, many of which are in areas of high population density, where the demand for land for development is high. This book is unique in providing detailed guidance for cleaning up military ordnance sites

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- listing explosives, chemical warfare materials and breakdown products which can contaminate soil and groundwater and the tests needed to detect them, as well as cleanup techniques. Also included are remote sensing techniques, geophysical techniques, safety issues, the particular challenges of chemical weapons, etc. The author illustrates these techniques with case studies, including former battlegrounds in

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Europe and Asia, storage and waste disposal sites in Russia and former Soviet territories, and an extended study of the remediation of the large and complex Spring Valley site in the District of Columbia,. The second edition has been fully revised and updated, and also includes new and expanded sections on: geophysical techniques for discovering buried ordnance underwater sites and remediation techniques use of

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robotics, including remotely operated vehicles compliance and regulatory issues guidance documents from US Department of Defense and other sources The focus on test procedures, environmental remediation techniques, and learning from past case studies, makes Albright's book the most comprehensive and practical guide on the market for a topic of international importance. The only

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book available with clear and complete guidance for the cleanup of military ordnance sites and battlefields. The author illustrates his recommendations with real world cases including Spring Valley, DC, former battlegrounds in Europe and Asia, and storage and waste disposal sites in Russia and other former Soviet states. An essential reference for the test and environmental remediation procedures required to put former

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military sites back in to civilian use (e.g. housing). 30% revision, with key updates concerning regulatory changes, US Dept of Defense guidance documents, use of robotic vehicles, underwater sites and discovery of buried ordnance.

On September 11, 2001, the world was put on notice: terrorism can strike anytime...anywhere...anyone. You are told to go about your daily life - but to be

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vigilant of your surroundings. You are told that trying to do a cursory profile on potential terrorists is futile because their commonality goes deeper than the surface. With this in mind, what do you look for in a potential situation, how do you prepare, how do you protect? Written by experts who have years of experience in the field, The Counterterrorism Handbook: Tactics, Procedures, and

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Techniques, Third Edition is an invaluable resource for those who recognize that preparation is the best defense in the War on Terror. Revised and expanded to reflect information obtained since the September 11th attacks, this latest edition provides an understanding of the strategies, tactics, and techniques required to counter terrorism as it exists today. It illustrates essential topics such as the

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elements common to all terrorism, bomb threats, risk assessment, hostage situations, and weapons of mass destruction.

Find out what's new in the third edition as it:

- § Provides a closer look at what transpired during and after the attacks on the World Trade Center and the Pentagon
- § Discusses the current state of WMDs, including threats from chemical and biological agents and those posed by nuclear weapons.
- § Divulges the latest

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modes of domestic terrorism, including cyber-terrorism and eco-terrorism § Discloses the latest information on what's going on with Homeland Security § Covers recent INS laws as they relate to terrorist activity and how they effect homeland security

Practical Aspects of Firearms, Ballistics, and Forensic Techniques, SECOND EDITION

Practical and Clinical Perspectives, Second Edition

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Practical Military
Ordnance Identification
With an Introduction to
Crime Scene
Reconstruction, Second
Edition
The Chemistry of
Explosive Compounds