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Practical Military Ordnance Identification, Second Edition-Thomas Gersbeck 2019-04-05 The three variables associated with military ordnance are enormous, requiring the application of a structured process to identify unknown munitions. 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 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 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.

Practical Military Ordnance Identification, Second Edition-Thomas Gersbeck 2019 "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. 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 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."-- Provided by publisher.

Practical Military Ordnance Identification-Thomas Gersbeck 2014-03-05 The three variables associated with military ordnance are enormous, requiring the 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.

Practical Bomb Scene Investigation, Second Edition-James T. Thurman 2016-04-19 Now in its second edition, Practical Bomb Scene Investigation explores the 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: 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 how to prepare an Investigative Report

Bombs, IEDs, and Explosives-Paul R. Laska 2015-08-10 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

Practical Fire and Arson Investigation, Second Edition-David R. Redsicker 1996-10-10 Did you know. that arson has been described as the fastest-growing crime in America? . . . that arson is the most expensive crime committed? . . . that over 8 billion dollars was estimated lost due to fires in 1994? . . . that an estimated 86,000 structure fires of incendiary or suspicious origin were reported in 1994? David Redsicker provides these statistics and much more, including practical methods, information, and advice for investigating these types of crimes, in Practical Fire and Arson Investigation, Second Edition. Extensively rewritten second edition of this practical manual · More than 40% new material! Practical Fire and Arson Investigation, Second Edition is a significantly revised, updated, and expanded new edition of this best-selling book in the Practical Aspects of Criminal and Forensic Investigations series, edited by Vernon Geberth. As in the first edition, specific details on the basic principles are presented, and advanced applied techniques for conducting a thorough fire and arson investigation are detailed. New topics covered in the Second Edition include: Extensively rewritten chapters on determining origin and cause, eliminating accidental fire causes, investigating fatal fires and vehicular fires, and documenting the fire/crime scene Fire scene photography using "painting with light" Importance of evidence preservation and analysis in civil litigation of liability and product defects

Bloodstain Pattern Analysis-Tom Bevel 2001-09-26 Bloodstain pattern analysis helps establish events associated with violent crimes. It is a critical bridge between forensics and 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.

Sex-Related Homicide and Death Investigation-Paul Buka 2010-06-24 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. Geberth

Serial Violence-Robert D. Keppel 2008-12-22 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, 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 Glutman, 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 original testimony. The scintillating detail and rigorous analysis presented in this volume 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 psychological signatures.

Gunshot Wounds-Vincent J.M. DiMaio, M.D. 1998-12-30 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 shotguns. The final chapters explain autopsy technique and procedure and laboratory analysis relating to weapons and gunshot evidence.

Practical Aspects of Interview and Interrogation-A.D. Zulawski 1992 Provides interviewers and interrogators with a structured format to learn the interrogation. The approach should allow the interviewer to move from preliminary accusation to ultimate confession by applying practical rules to the process.

The Hand Grenade-Gordon L. Rottman 2015-02-20 Allowing the user to inflict damage on his opponent within throwing range without leaving cover, the portable, lethally efficient hand grenade is a ubiquitous weapon of modern warfare, and has now found its way into law-enforcement arsenals too. Featuring specially commissioned full-color artwork and an array of revealing photographs of grenades in use and in close-up, this engaging study explores and assesses the origins, development, combat use, and lasting legacy of the formidable military hand grenade.

Practical Crime Scene Processing and Investigation, Third Edition-Ross M. Gardner 2018-09-20 Every action performed by a crime scene 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 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 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.

The Basics of Explosives-Edited by Paul F Kisak 2016-10-09 Explosives are used around the world for both productive purposes such as building hydroelectric dams 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 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 unrolled 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 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.

Integration of the Armed Forces, 1940-1965-Morris J. MacGregor 2019-11-26 "Integration of the Armed Forces, 1940-1965" by Morris J. MacGregor. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten—or yet undiscovered gems—of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

Handbook of Military Psychology-Stephen V. Bowles 2017-12-05 This expert compendium surveys the current state of military psychology across the branches of service at the clinical, research, consulting, and organizational levels. Its practical focus examines psychological adjustment pre- and post-deployment, commonly-encountered conditions (e.g., substance abuse), and the promotion of well-being, sleep, mindfulness, and resilience training. Coverage pays particular attention to uses of psychology in selection and assessment of service personnel in specialized positions, and training concerns for clinicians and students choosing to work with the military community. Chapters also address topics of particular salience to a socially conscious military, including PTSD, sexual harassment and assault, women's and LGBT issues, suicide prevention, and professional ethics. Among the specific chapters topics covered: · Military deployment psychology; psychologists in the forward environment. · Stress and resilience in married military couples. · Assessment and selection of high-risk operational personnel: processes, procedures, and underlying theoretical constructs. · Understanding and addressing sexual harassment and sexual assault in the US military. · Virtual reality applications for the assessment and treatment of PTSD. · Plus international perspectives on military psychology from China, Australia, India, and more. Grounding its readers in up-to-date research and practice, Military Psychology will assist health psychologists, clinical psychologists, psychiatrists, and clinical social workers in understanding and providing treatment for military populations, veterans, and their families, as well as military psychologists in leadership and consulting positions.

The Ordnance Department-Constance Green 2015-07-02 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 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."

Practical Homicide Investigation-Vernon J. Geberth 2020-06-30 Renowned for being THE definitive resource for homicide investigators, Practical Homicide Investigation: Tactics, Procedures, and Forensic Techniques details the recognized protocols used by investigative divisions of major police departments throughout the world. The text is used in most police academies, including the FBI Academy in Quantico, Virginia. Now in its fifth edition, the book begins with a comprehensive discussion of homicide crime scenes and moves chronologically from initial police notification, the correct police response that follows, and the subsequent steps necessary to conduct an intelligent investigation. It then delves into the more technical aspects of homicide investigation, augmented with numerous pictures and full-color illustrations that involve pertinent case histories. This latest edition includes three new chapters along with fully revised chapters with new case histories and techniques that reflect the latest forensic methods and modern investigative procedures. Highlights of the Fifth Edition Include: Newly revised "Homicide Investigator's Checklist" A new chapter on the latest DNA technology A rewritten chapter on forensic death investigations that includes staged crime scenes Additional information on modes of death Fully updated chapters on death notifications, sex-related homicide, management for police administrators, suicide investigation, and narcotics-related and homosexually based homicides Over 920 photos and illustrations, 250 new photographs, and several new case histories Eminent author, lecturer, consultant, and expert witness Vernon J. Geberth incorporates his more than four and a half decades of real-world law enforcement experience in this quintessential reference. This classic and must-have resource provides the most vital information needed by detectives and police investigators responsible for cases in violent and sudden death. Remember: do it right the first time. You only get one chance.

—Vernon J. Geberth, M.S., M.P.S., Homicide and Forensic Consultant, Author of Practical Homicide Investigation, and Series Editor of The Practical Aspects of Criminal and Forensic Investigations

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.

Existing and Potential Standoff Explosives Detection Techniques-National Research Council 2004-05-14 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 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 explosives and bomb detection technology in the near, mid, and long term.

American Practical Navigator-Nathaniel Bowditch 1984

Toward Combined Arms Warfare-J. M. House 1985

China Military Power-Defense Intelligence Agency 2019-01-16 UNCLASSIFIED REPORT Printed in COLOR, Just Released 15 January 2019 In 2017, the Defense Intelligence Agency began to produce a series of unclassified Defense Intelligence overviews of major foreign military challenges we face. This volume provides details on China's defense and military goals, strategy, plans, and intentions; the organization, structure, and capability of its military supporting those goals; and the enabling infrastructure and industrial base. This product and other reports in the series are intended to inform our public, our leaders, the national security community, and partner nations about the challenges we face in the 21st century. Document includes: Historical Overview Military Doctrine and Strategy Perceptions of Modern Conflict Core Elements of Command and Control Reform Modernizing Joint Command and Control Core Chinese Military Capabilities Power Projection and Expeditionary Operations Nuclear Forces and Weapons Biological and Chemical Warfare Space/Couterspace Cyberspace Denial and Deception Logistics and Defense-Industrial Modernization Underground Facilities Missions Other Than War Why buy a book you can download for free? We print this book so you don't have to. First you gotta find a good clean (legible) copy and make sure it's the latest version (not always easy). Some comments found on the web are missing some pages or the image quality is so poor, they are difficult to read. We look over each document carefully and replace poor quality images by going back to the original source document. We proof each document to make sure it's all there - including all changes. If you find a good copy, you could print it using a network printer you share with 100 other people (typically its either out of paper or toner). If it's just a 10-page document, no problem, but if it's 250-pages, you will need to punch 3 holes in all those pages and put it in a 3-ring binder. Takes at least an hour. It's much more cost-effective to just order the latest version from Amazon.com This book includes original commentary which is copyright material. Note that government documents are in the public domain. We print these large documents as a service so you don't have to. The books are compact, tightly-bound, full-size (8 1/2 by 11 inches), with large text and glossy covers. 4th Watch Publishing Co. is a HUBZONE SDVOSB. https://usgovpub.com

Cleanup of Chemical and Explosive Munitions-Richard Albright 2011-12-02 Unexplored 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 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 - 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 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 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 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 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.

A Guide to the Study and Use of Military History-John E. Jessup 1979

Fluid Catalytic Cracking Handbook-Reza Sadeghbeigi 2000-06-08 This thoroughly updated edition of Fluid Catalytic Cracking Handbook provides practical information on the design, operation, troubleshooting, and optimization of fluid catalytic cracking (FCC) facilities. Based on the author's years of field experience, this expanded, second edition covers the latest technologies to improve the profitability and reliability of the FCC units, and provides several "no-to-low-cost" practical recommendations. A new chapter supplies valuable recommendations for debottlenecking and optimizing the performance of cat cracker operations.

The Dynamics Of Doctrine: The Changes In German Tactical Doctrine During The First World War [Illustrated Edition]-Captain Timothy Lupfer 2015-11-06 [Includes 4 maps and 3 figures] This latest Leavenworth Paper is a case study in the wartime evolution of tactical doctrine. Previous publications of the Combat Studies Institute have examined the peacetime development of doctrine and have increased our knowledge of how doctrine has been applied. With the publication of Captain Lupfer's study, "The Dynamics of Doctrine," the Combat Studies Institute adds another dimension to the history of the processes of doctrinal change. Besides providing a summary of German infantry tactics of the First World War, this study offers insights into the crucial role of leadership in facilitating doctrinal change during battle. It once again reminds us that success in war demands extensive and vigorous training calculated to insure that field commanders understand and apply sound tactical Principles as guidelines for action and not as a substitute for good judgment. It points out the need for a timely effort in collecting and evaluating doctrinal lessons from battlefield experience. Finally, this study reminds us of yet another fundamental lesson from the past-that tendencies toward accepting the battlefield as a routine can be a deadly error. Altering previously accepted tactics in the middle of a struggle, as the author points out, is a very urgent and serious matter. As members of the Profession of Arms, we must be sensitive to the demands of change, visionary in our examination of their implications, and creative in our adaptation of combat organizations, tactics, and techniques. Getting the message through: A Branch History of the U.S. Army Signal Corps-Rebecca Robbins Raines 1996 Getting the Message Through, the companion volume to Rebecca Robbins Raines' Signal Corps, traces the evolution of the corps from the appointment of the first signal officer on the eve of the Civil War, through its stages of growth and change, to its service in Operation DESERT SHIELD/DESERT STORM. Raines highlights not only the increasingly specialized nature of warfare and the rise of sophisticated communications technology, but also such diverse missions as weather reporting and military aviation. Information dominance in the form of superior communications is considered to be sine qua non to modern warfare. As Raines ably shows, the Signal Corps—once considered by some Army officers to be of little or no military value—and the communications it provides have become integral to all aspects of military operations on modern digitized battlefields. The volume is an invaluable reference source for anyone interested in the institutional history of the branch.

Opportunities in Neuroscience for Future Army Applications-National Research Council 2009-07-16 Advances and major investments in the field of neuroscience can enhance traditional behavioral science approaches to training, learning, and other applications of value to the Army. Neural-behavioral indicators offer new ways to evaluate how well an individual trainee has assimilated mission critical knowledge and skills, and can also be used to provide feedback on the readiness of soldiers for combat. Current methods for matching individual capabilities with the requirements for performing high-value Army assignments do not include neuropsychological, psychophysiological, neurochemical or neurogenetic components; simple neuropsychological testing could greatly improve training success rates for these assignments. Opportunities in Neuroscience for Future Army Applications makes 17 recommendations that focus on utilizing current scientific research and development initiatives to improve performance and efficiency, collaborating with pharmaceutical companies to employ neuropharmaceuticals for general sustenance or enhancement of soldier performance, and improving cognitive and behavioral performance using interdisciplinary approaches and technological investments. An essential guide for the Army, this book will also be of interest to other branches of military, national security and intelligence agencies, academic and commercial researchers, pharmaceutical companies, and others interested in applying the rapid advances in neuroscience to the performance of individual and group tasks.

American Sniper-Chris Kyle 2012-01-03 The #1 New York Times bestselling memoir of U.S. Navy SEAL Chris Kyle, and the source for Clint Eastwood's blockbuster movie which was nominated for six academy awards, including best picture. From 1999 to 2009, U.S. Navy SEAL Chris Kyle recorded the most career sniper kills in United States military history. His fellow American warriors, whom he protected with deadly precision from rooftops and stealth positions during the Iraq War, called him "The Legend"; meanwhile, the enemy feared him so much they named him al-Shaitan ("the devil") and placed a bounty on his head. Kyle, who was tragically killed in 2013, writes honestly about the pain of war—including the deaths of two close SEAL teammates—and in moving first-person passages throughout, his wife, Tracy, speaks openly about the strains of war on their family, as well as on Chris. Gripping and unforgettable, Kyle's masterful account of his extraordinary battlefield experiences ranks as one of the great war memoirs of all time.

Detection And Identification Of Visually Obscured Targets-Carl E. Baum 2019-07-17 Beginning with a review of the current need for identification of buried and surface unexplored ordnance such as mines, shells, bombs, this book then explains existing techniques for electromagnetic detection of such targets. A detailed treatment of target signatures (natural frequencies and related parameters) for identification and discrimination of false alarms is also given.

The Effects of Nuclear Weapons-United States. Department of Defense 1964

Practical Criminal Investigation-Manuel S. Pena 2000 This book describes criminal investigation from the beginning stages through the more advanced techniques for handling cases involving all major crimes. The book covers preparing cases for presentation to the prosecutor, a grand jury, or a court of law. It features material on the latest laboratory services, sources of investigative information, and scientific techniques to assist the investigator. The book claims it is essential that investigators have knowledge of the various combinations of elements that constitute the basic criminal laws. In addition, investigators should develop proficiency in evaluating complaints received from the public. The first officers arriving should isolate the crime scene, and the scene should be evaluated as to the need for laboratory or other specialists and for selection of a standard search method. Victims and witnesses must be separated for independent interviews. The book contains 17 chapters, each devoted to a specific aspect of the criminal investigation. Each chapter includes a summary, discussion questions, and key terms and concepts. Figures, tables, glossary, index.

Practical Bomb Scene Investigation, Second Edition-James T. Thurman 2016-04-19 Now in its second edition, Practical Bomb Scene Investigation explores the 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: 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 how to prepare an Investigative Report

The Quartermaster Corps-United States. Army. Quartermaster Corps 1953 "... The volume stresses the multiplicity of the Corp's duties and, in the complexities of modern warfare, the Army's need for trained Quartermaster specialists and units to support combat troops. The narrative sets forth the policies and problems involved in procuring and training Quartermaster personnel and the manner in which the Quartermaster Corps operated in the zone of interior"--Page vii.

Budgeting for the Military Sector in Africa-Wuyi Omitoogun 2006 In this comprehensive study, 15 African experts describe and analyse the military budgetary processes and degree of parliamentary oversight and control in nine countries of Africa, spanning across all the continent's sub-regions. Each case study addresses a wide range of questions, such as the roles of the ministries of finance, budget offices, audit departments and external actors in the military budgetary processes, the extent of compliance with standard public expenditure management procedures, and how well official military expenditure figures reflect the true economic resources devoted to military activities in these countries.

Practical Bomb Scene Investigation-James T. Thurman 2006-03-21 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 that can identify the culprits and bring them to justice. Written by an explosives expert with over thirty years in the f

Major Incident Medical Management and Support-Advanced Life Support Group (ALSG) 2019-01-04 The new edition of Major Incident Medical Management and Support is a vital component in the blended learning course from Advanced Life Support Group (ALSG), which aims to provide hospital staff at all levels with essential information on the preparation, management and support elements of dealing with casualties in a major incident. Split into five sections, each focuses on the elements requisite in preparing for, and responding, to a major incident. The first section discusses the epidemiology and incidences of major incidents and the structured approach to the hospital response. The second section contains the preparation required in planning for major incidents, including equipment and training. The third section covers the management of a major incident, concentrating on the clinical, nursing and management hierarchies. The fourth includes the various stages of support in a major incident, including declaring an incident and activating the plan, the reception, triage, definitive care and recovery phases of an incident. The final section focuses on special incidents which require additional consideration, including those involving hazardous chemicals, burns and children. Written in collaboration with the National Emergency Planning, Major Incident Medical Management and Support is an invaluable reference in the emergency department and beyond for staff needing to prepare for the rare, but inevitable, hospital major incidence response.

Mental Health Stigma in the Military-Joie D. Acosta 2014 Despite the efforts of both the U.S. Department of Defense and the Veterans Health Administration to enhance mental health services, many service members are not regularly seeking needed care when they have mental health problems. Without appropriate treatment, these mental health problems can have wide-ranging and negative impacts on the quality of life and the social, emotional, and cognitive functioning of affected service members. The services have been actively engaged in developing policies, programs, and campaigns designed to reduce stigma and increase service members' help-seeking behavior.

However, there has been no comprehensive assessment of these efforts' effectiveness and the extent to which they align with service members' needs or evidence-based practices. The goal of this research was to assess DoD's approach to stigma reduction, how well it is working and how it might be improved. To address these questions, RAND researchers used five complementary methods: (1) literature review, (2) a microsimulation modeling of costs, (3) interviews with program staff, (4) prospective policy analysis, and (5) an expert panel. The priorities outlined in this report identify ways in which program and policy development and research and evaluation can improve understanding of how best to efficiently and effectively provide needed treatment to service members with mental illness.

Front Line Surgery-Matthew J. Martin, MD, FACS 2010-12-13 Both editors are active duty officers and surgeons in the U.S. Army. Dr. Martin is a fellowship trained trauma surgeon who is currently the Trauma Medical Director at Madigan Army Medical Center. He has served as the Chief of Surgery with the 47th Combat Support Hospital (CSH) in Tikrit, Iraq in 2005 to 2006, and most recently as the Chief of Trauma and General Surgery with the 28th CSH in Baghdad, Iraq in 2007 to 2008. He has published multiple peer-reviewed journal articles and surgical chapters. He presented his latest work analyzing trauma-related deaths in the current war and strategies to reduce them at the 2008 annual meeting of the American College of Surgeons. Dr. Beekley is the former Trauma Medical Director at Madigan Army Medical Center. He has multiple combat deployments to both Iraq and Afghanistan, and has served in a variety of leadership roles with both Forward Surgical Teams (FST) and Combat Support Hospitals (CSH).

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