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# **21st Century Textbooks Of Military Medicine Medical Aspects Of Biological Warfare Anthrax Ricin Smallpox Viral Fevers Plague Biosafety Biosecurity Emergency War Surgery Series**

These essays set the relationship between the Army and society in the context of the 20th century as a whole. They then consider the key areas of current controversy - the pressure on the Army caused by changes in society, the Army's "right to be different", race, homosexuality and gender.

"This volume in the Borden Institute's history series will describe forward US Army surgery from the 1700s to the present time. The book will look at advances in medicine and surgery that improved the lot of the American soldier. In particular, the book will examine the impact of disease upon troop strength, which had special impact in the Revolutionary War through the post-Civil War period. Forward surgery in the modern sense came of age in World War I. The challenge of so many different theaters of conflict in World War II will be examined from the portable surgical hospital of the China-Burma-India Theater of Operations to the surgical evacuation hospital teams of the European Theater of Operations. The evolving care models will feature the story of the Korean War mobile army surgical hospital. The defining performance of helicopter air evacuation in Vietnam,

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along with improved surgical techniques, will be discussed. Finally, the many advances of forward surgery from the post-Vietnam era to the present will be presented."--Provided by publisher.

Military Strategy in the 21st Century explores military strategy and the new challenges facing Western democracies in the twenty-first century, including strategy in cyber operations and peacekeeping, challenges for civil-military relations, and the strategic choices of great powers and small states. The volume contributes to a better understanding of military strategy in the twenty-first century, through exploring strategy from three perspectives: first, the study of strategy, and how our understanding of strategy has changed over time; second, new areas for strategic theory, such as peacekeeping and cyberspace; and third, the makers of strategy, and why states choose suboptimal strategies. With the increasing number of threats challenging strategy makers, such as great power rivalry, terrorism, intrastate wars, and transnational criminal organisations, Military Strategy in the 21st Century will be of great value to scholars of IR, Security Studies, Strategic Studies, and War Studies as well as policymakers and practitioners working with military strategy in particular and international security and war in general. The chapters were originally published as a special issue of the Journal of Strategic Studies.

This text introduces readers to military families, their resilience, and the challenges of military life. Personal stories from active duty, National Guard, reservists, veterans, and their families, from all branches and ranks

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of the military, and those who work with military personnel, bring their experiences to life. A review of the latest research, theories, policies, and programs better prepares readers for working with military families.

Objectives, key terms, tables, figures, summaries, and exercises, including web based exercises, serve as a chapter review. The book concludes with a glossary of key terms. Engaging vignettes are featured throughout: . Voices from the Frontline offer personal accounts of issues faced by actual program leaders, practitioners, researchers, policy makers, service members, and their families. . Spotlight on Research highlights the latest studies on dealing with combat related issues. . Best Practices review the optimal strategies used in the field. . Tips from the Frontline offer suggestions from experienced personnel. The book opens with an introduction to military culture and family life. Joining the military and why people do so are explored in chapter 2. Next, life in the military including relocation, employment, education, and deployment are examined. Daily lives of children in military families are explored in chapter 4. How stress and resilience theories are used in working with military families are then reviewed. Chapter 6 focuses on milestones experienced by service members and programs that support them through these transitions. Everyday issues caused by the trauma of war are reviewed in Chapters 7 and 8. Programs, policies, and organizations that serve military families in dealing with deployment, education, and health and child care are explored in chapters 9 and 10 followed by initiatives supporting reintegration and reunification issues. Next,

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how to work with families and those who have experienced traumatic events is considered. The book concludes with a review of career opportunities and stories from working professionals. Intended as a text for advanced undergraduate or graduate courses on military families or as a supplement for courses on the family, marriage and family, stress and coping, or family systems taught in family studies, human development, clinical or counseling psychology, sociology, social work, and nursing, this book also appeals to helping professionals who work with military families. Future developments in war, armed conflict and international relations are central to our collective fate in this century. This book considers the forces that will drive changes in international relations and military organisation.

What is military strategy today? In an era when European states seek to de-escalate and avoid armed conflict, and where politicians fear the consequences of protracted operations or tactical hazards, does military strategy have any relevance? This is the first volume to examine current military risks and threats for NATO from a military strategy vantage point. Which strategies are needed? Is ways-ends-means thinking possible as a strategic template today? The contributors probe the relative importance, utility and options of military strategy across NATO as it confronts a variety of challenges old and new, as hybrid threats, new nuclear risks and conventional force combine in complex ways. They also examine what military strategy and military integration really mean, when NATO's multilateral framework is

being weakened by degrees of self-interest. They analyse the USA's political and military role in Europe, and assess military strategic responses to Russian aggression in Ukraine and the Middle East. Moreover, they study the role of member states' military strategy set against Article 5 and non-Article 5 risks and threats, and explore how European states devise and implement military strategic options. This book makes a clear assessment of political level strategy and its implications for military integration.

MEDICS AT WAR features the dedication and heroism of U.S. military medical personnel from Colonial times to the 21st century. Meet the medics who save lives and care for those in harm's way. The authoritative text is complemented by more than 200 photos.

Defence Industries in the 21st Century explores the transformation in the global defence industrial production through examining the interaction between international and domestic factors. With the global defence industry and arms market likely continue to expand and mature, the ways in which this progression could influence international politics remain obscure. In practice, as the contents of this book show, the defence industrial bases and arms export policies of emerging states display significant variance. This variance is the result of a unique balance between domestic and international factors that has shaped the defence industrialisation behaviour and policies of the less industrialised states. One of the most important conclusions of the book is that the interplay between domestic and international factors clearly influences the variation in the emerging states'

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defence industrialisation policies, as well as their success or failure. While international factors create opportunities, they also limit the options available to emerging economies. Domestic factors also play an important role by shaping the policy choices of the states' decision makers. Exploring the balance between international and domestic factors and the ways in which they influence defence industrialisation in emerging states, *Defence Industries in the 21st Century* will be of great interest to scholars of Defence Industries, Arms Manufacturing, and Defence, Strategic and Security Studies more generally. The chapters were originally published in *Defence Studies*, *Comparative Strategy* and *All Azimuth*.

"This book, written by members of the Chief of Staff of the Army's Strategic Studies Group, takes an innovative approach to determining how the United States can counter extremist groups and engage in great power competition in the twenty first century. After proposing that the answer lies in switching the focus of current US strategy from the physical domain on which conflict occurs to the social, political, and cultural networks that comprise the human domain in which it occurs, it develops a new operating concept for conducting operations within that domain. This is an important book for those in security studies and international relations."--Provided by publisher.

Explosive and provocative battles fought across the boundaries of time and space—and on the frontiers of the human mind. Science fiction's finest have yielded this definitive collection featuring stories of warfare, victory,

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conquest, heroism, and overwhelming odds. These are scenarios few have ever dared to contemplate, and they include: “Superiority”: Arthur C. Clarke presents an intergalactic war in which one side’s own advanced weaponry may actually lead to its ultimate defeat.

“Dragonrider”: A tale of Anne McCaffrey’s Dragonriders of Pern, in which magic tips the scales of survival.

“Second Variety”: Philip K. Dick, author of the short story that became the movie Blade Runner, reaches new heights of terror with his post-apocalyptic vision of the future. “The Night of the Vampyres”: A chilling ultimatum of atomic proportions begins a countdown to disaster in

George R. R. Martin’s gripping drama. “Hero”: Joe Haldeman’s short story that led to his classic of

interstellar combat, The Forever War. “Ender’s Game”:

The short story that gave birth to Orson Scott Card’s masterpiece of military science fiction. PLUS SEVEN

MORE EPIC STORIES “Among Thieves” by Poul Anderson “Hangman” by David Drake “The Last Article”

by Harry Turtledove “The Game of Rat and Dragon” by Cordwainer Smith “To the Storming Gulf” by Gregory

Benford “Wolf Time” by Walter Jon Williams “The Scapegoat” by C. J. Cherryh Guaranteed to spark the

imagination and thrill the soul, these thirteen science fiction gems cast a stark light on our dreams and our darkest fears—truly among the finest tales of the twentieth century.

This book examines the role of military virtues in today’s armed forces. Although long-established military virtues, such as honor, courage and loyalty, are what most armed forces today still use as guiding principles in an

effort to enhance the moral behavior of soldiers, much depends on whether the military virtues adhered to by these militaries suit a particular mission or military operation. Clearly, the beneficiaries of these military virtues are the soldiers themselves, fellow-soldiers, and military organizations, yet there is little that regulates the behavior of soldiers towards civilian populations. As a result, troops trained for combat in today's missions sometimes experience difficulty in adjusting to the less aggressive ways of working needed to win the hearts and minds of local populations after major combat is over. It can be argued that today's missions call for virtues that are more inclusive than the traditional ones, which are mainly about enhancing military effectiveness, but a convincing case can be made that a lot can already be won by interpreting these traditional virtues in different ways. This volume offers an integrated approach to the main traditional virtues, exploring their possible relevance and proposing new ways of interpretation that are more in line with the military tasks of the 21st century. The book will be of much interest to students of military ethics, philosophy, and war and conflict in general.

A global pandemic finds millions swarming across the U.S. border. Major American cities are leveled by black-market nukes. China's growing civil unrest ignites a global showdown. Pakistan's collapse leads to a hunt for its nuclear weapons. What if the worst that could happen actually happens? How will we respond? Are we prepared? These are the questions that Andrew F. Krepinevich asks—and answers—in this timely and often



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chilling book. As a military expert and consultant, Krepinevich must think the unthinkable based on the latest intelligence and geopolitical trends—and devise a response in the event our worst nightmares become reality. As riveting as a thriller, *7 Deadly Scenarios* reveals the forces—both overt and covert—that are in play; the real ambitions of world powers, terrorist groups, and rogue states; and the actions and counteractions both our enemies and our allies can be expected to take—and what we must do to prepare before it's too late.

What significance does "ethics" have for the men and women serving in the military forces of nations around the world? What core values and moral principles collectively guide the members of this "military profession?" This book explains these essential moral foundations, along with "just war theory," international relations, and international law. The ethical foundations that define the "Profession of Arms" have developed over millennia from the shared moral values, unique role responsibilities, and occasional reflection by individual members the profession on their own practices - eventually coming to serve as the basis for the "Law of Armed Conflict" itself. This book focuses upon the ordinary men and women around the world who wear a military uniform and are committed to the defense of their countries and their fellow citizens. It is about what they do, how they do it, what they think about it, how they behave when carrying out their activities, and how they are expected to behave, both on and off the battlefield (whether in, or out of, uniform) - and what everyone (and not just military personnel themselves) needs to know

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about this. The book also examines how military personnel are treated and regarded by those whom they have sworn to defend and protect, as well as how they treat and regard one another within their respective services and organizational settings. Finally, the book discusses the transformations in military professionalism occasioned by new developments in armed conflict, ranging counterinsurgency warfare and humanitarian military intervention, to cyber conflict, military robotics, and private military contracting. From China to Russia, author George Lucas effectively sheds light on today's military ethics in existence throughout the world. What Everyone Needs to Know® is a registered trademark of Oxford University Press.

Making Sense of War provides a comprehensive and clear analysis of the complex business of waging war. It gives readers a thorough understanding of the key concepts in strategic thought, concepts that have endured since the Athenian general Thucydides and the Chinese philosopher/warrior Sun Tzu first wrote about strategy some 2500 years ago. It also examines the influence on strategic choice and military strategy of political, legal and technological change. This book discusses strategy at every level of competition, employing a thematic approach and using historical examples from 500 BCE to the present. It discusses the constraints and opportunities facing military commanders in the 21st century, and demonstrates that the formulation of military strategy will continue to be perhaps the single most important responsibility for senior security officials. Making Sense of War offers

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original insights into the imperatives of military success in the era of asymmetric warfare.

This open access volume surveys the state of the field to examine whether a fifth wave of deterrence theory is emerging. Bringing together insights from world-leading experts from three continents, the volume identifies the most pressing strategic challenges, frames theoretical concepts, and describes new strategies. The use and utility of deterrence in today's strategic environment is a topic of paramount concern to scholars, strategists and policymakers. Ours is a period of considerable strategic turbulence, which in recent years has featured a renewed emphasis on nuclear weapons used in defence postures across different theatres; a dramatic growth in the scale of military cyber capabilities and the frequency with which these are used; and rapid technological progress including the proliferation of long-range strike and unmanned systems. These military-strategic developments occur in a polarized international system, where cooperation between leading powers on arms control regimes is breaking down, states widely make use of hybrid conflict strategies, and the number of internationalized intrastate proxy conflicts has quintupled over the past two decades. Contemporary conflict actors exploit a wider gamut of coercive instruments, which they apply across a wider range of domains. The prevalence of multi-domain coercion across but also beyond traditional dimensions of armed conflict raises an important question: what does effective deterrence look like in the 21st century? Answering that question requires a re-appraisal of key theoretical concepts and

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dominant strategies of Western and non-Western actors in order to assess how they hold up in today's world. Air Commodore Professor Dr. Frans Osinga is the Chair of the War Studies Department of the Netherlands Defence Academy and the Special Chair in War Studies at the University Leiden. Dr. Tim Sweijts is the Director of Research at The Hague Centre for Strategic Studies and a Research Fellow at the Faculty of Military Sciences of the Netherlands Defence Academy in Breda.

China fragments, a new Cold War with Russia, Mexico challenges U.S., the new great powers Turkey, Poland and Japan. *The Next 100 Years* is a fascinating, eye-opening and often shocking look at what lies ahead for the U.S. and the world from one of our most incisive futurists. In his provocative book, George Friedman turns his eye on the future—offering a lucid, highly readable forecast of the changes we can expect around the world during the twenty-first century. He explains where and why future wars will erupt (and how they will be fought), which nations will gain and lose economic and political power, and how new technologies and cultural trends will alter the way we live in the new century. *The Next 100 Years* draws on a fascinating exploration of history and geopolitical patterns dating back hundreds of years. Friedman shows that we are now, for the first time in half a millennium, at the dawn of a new era—with changes in store, including:

- The U.S.-Jihadist war will conclude—replaced by a second full-blown cold war with Russia.
- China will undergo a major extended internal crisis, and Mexico will emerge as an important world power.
- A new global war will unfold toward the middle

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of the century between the United States and an unexpected coalition from Eastern Europe, Eurasia, and the Far East; but armies will be much smaller and wars will be less deadly. • Technology will focus on space—both for major military uses and for a dramatic new energy resource that will have radical environmental implications. • The United States will experience a Golden Age in the second half of the century. Written with the keen insight and thoughtful analysis that has made George Friedman a renowned expert in geopolitics and forecasting, *The Next 100 Years* presents a fascinating picture of what lies ahead.

Success in war ultimately depends on the consolidation of political order. Nadia Schadlow argues that the steps needed to consolidate a new political order are not separate from war. They are instead an essential component of war and victory. The challenge of governance operations did not start with the wars in Iraq and Afghanistan. The US Army's involvement in the political and economic reconstruction of states has been central to all its armed conflicts from large-scale conventional wars to so-called irregular or counterinsurgency wars. Yet, US policymakers and military leaders have failed to institutionalize lessons on how to consolidate combat gains into desired political outcomes. *War and the Art of Governance* examines fifteen historical cases of US Army military interventions, from the Mexican War through the wars in Iraq and Afghanistan. Improving future outcomes will require US policymakers and military leaders to accept that plans, timelines, and resources must be shaped to reflect this reality before they intervene in a conflict, not after things go wrong. Schadlow provides clear lessons for students and scholars of security studies and military history, as well as for policymakers and the military personnel who will be involved

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in the next foreign intervention.

The Chinese Army Today is a completely unique and comprehensive study of all elements of the Chinese military, focusing on its ground forces to a degree not found in any other contemporary works. In 1999, the military modernization program of the Chinese People's Liberation Army that had been underway for twenty years increased in intensity and achieved a focus not seen in the previous two decades. Based primarily on actual Chinese sources, this book details the changes implemented since 1999 and puts them in the context of the many traditions that still remain. Written by a retired professional military officer who has served in China, this book presents the reader with the key developments since 1999. Its discussion on training and doctrine provides a level of detail not found in other works, but is essential to understanding the progress made in China's military modernization and the obstacles yet to be overcome. The author uses first-hand observation of the Chinese military and three decades of military experience to weave many disparate threads from official Chinese statements, documents, and media reports into an integrated whole. This text defines exactly what forces make up the People's Liberation Army and examines in detail ground force organization and structure, personnel policies, doctrine and training, new equipment entering the force, and missions routinely undertaken in support of society. This is an essential book for all students and scholars of China and Asia, political science and international relations and of contemporary military affairs and strategic studies.

Military Medical Ethics for the 21st Century Ashgate Publishing, Ltd.

Is still no overarching framework guiding these designs."--Résumé de l'éditeur

This book examines the importance of "military ethics" in the

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formulation and conduct of contemporary military strategy. Clausewitz's original analysis of war relegated ethics to the sidelines in favor of political realism, interpreting the proper use of military power solely to further the political goals of the state, whatever those may be. This book demonstrates how such single-minded focus no longer suffices to secure the interest of states, for whom the nature of warfare has evolved to favor strategies that hold combatants themselves to the highest moral and professional standards in their conduct of hostilities. Waging war has thus been transformed in a manner that moves beyond Clausewitz's original conception, rendering political success wholly dependent upon the cultivation and exercise of discerning moral judgment by strategists and combatants in the field. This book utilizes a number of perspectives and case studies to demonstrate how ethics now plays a central role in strategy in modern armed conflict. This book will be of much interest to students of just war, ethics, military strategy, and international relations.

"[Singer's] enthusiasm becomes infectious . . . Wired for War is a book of its time: this is strategy for the Facebook generation." —Foreign Affairs "An engrossing picture of a new class of weapon that may revolutionize future wars. . ."

—Kirkus Reviews P. W. Singer explores the greatest revolution in military affairs since the atom bomb: the dawn of robotic warfare We are on the cusp of a massive shift in military technology that threatens to make real the stuff of I, Robot and The Terminator. Blending historical evidence with interviews of an amazing cast of characters, Singer shows how technology is changing not just how wars are fought, but also the politics, economics, laws, and the ethics that surround war itself. Travelling from the battlefields of Iraq and Afghanistan to modern-day "skunk works" in the midst of suburbia, Wired for War will tantalise a wide readership, from military buffs to policy wonks to gearheads.



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As asymmetric 'wars among the people' replace state-on-state wars in modern armed conflict, the growing role of military medicine and medical technology in contemporary war fighting has brought an urgent need to critically reassess the theory and practice of military medical ethics. *Military Medical Ethics for the 21st Century* is the first full length, broad-based treatment of this important subject. Written by an international team of practitioners and academics, this book provides interdisciplinary insights into the major issues facing military-medical decision makers and critically examines the tensions and dilemmas inherent in the military and medical professions. In this book the authors explore the practice of battlefield bioethics, medical neutrality and treatment of the wounded, enhancement technologies for war fighters, the potential risks of dual-use biotechnologies, patient rights for active duty personnel, military medical research and military medical ethics education in the 21st Century.

In this age of asymmetric warfare, battles are fought more and more against armed groups of opponents such as terrorists, insurgents, or transnational criminal organizations. This text is the first to categorize armed groups and analyze their characteristics in a systematic way to provide a thorough overview of all types of armed groups and the role they play in today's security environment. Drawing on international case studies and histories, the work analyzes the objectives, strategies, and internal composition of armed groups and the environments that foster them. It demonstrates that armed groups often behave in an "hybrid" fashion, be it the criminal actions terrorists groups take to fund their goals or the role terrorist actions play in criminal organizations. As such dividing lines blur, governments need to figure out how, where, and when these armed groups are operating in zones of conflict or peace, as well as their motivations, structures, and ultimate objectives. This thorough and groundbreaking



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study will provide students with a strategic view of who armed groups are, how to analyze them, and what geopolitical and geostrategic factors influence their origins and operations.

Thanks to advances in field medicine and improved mobility and efficiency of medical units, the death rate of soldiers injured during battle has dramatically declined in the last 100 years. Nowadays, with forward medical stations operating close to battle lines and medical transports (ground and air) at hand, injured soldiers survive their battle wounds. "Military Medicine: From Ancient Times to the 21st Century" provides expert coverage of the key role medical advances and practices have played in the evolution of warfare, and how many of those advances and practices have been put to work saving and improving civilian lives as well. "Military Medicine" surveys the development of military medicine from its prehistoric origins through modern threats and practice. That coverage is followed by over 200 of alphabetically organized entries with special emphasis placed on those areas with the most dramatic applications to civilian medicine, including triage and trauma management, treatment for infections, emergency surgical procedures, and more.

"Military Communications: From Ancient Times to the 21st Century" is the first comprehensive reference work on the applications of communications technology to military tactics and strategy--a field that is just now coming into its own as a focus of historical study. Ranging from ancient times to the war in Iraq, it offers over 300 alphabetically organized entries covering many methods and modes of transmitting communication through the centuries, as well as key personalities, organizations, strategic applications, and more. "Military Communications" includes examples from armed forces around the world, with a focus on the United States, where many of the most dramatic advances in communications technology and techniques were realized. A

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number of entries focus on specific battles where communications superiority helped turn the tide, including Tsushima (1905), Tannenberg and the Marne (both 1914), Jutland (1916), and Midway (1942). The book also addresses a range of related topics such as codebreaking, propaganda, and the development of civilian telecommunications.

This book examines the recent shift in US space policy and the forces that continually draw the US back into a space-technology security dilemma. The dual-use nature of the vast majority of space technology, meaning of value to both civilian and military communities and being unable to differentiate offensive from defensive intent of military hardware, makes space an area particularly ripe for a security dilemma. In contrast to previous administrations, the Obama Administration has pursued a less militaristic space policy, instead employing a strategic restraint approach that stressed multilateral diplomacy to space challenges. The latter required international solutions and the United States, subsequently, even voiced support for an International Code of Conduct for Space. That policy held until the Chinese anti-satellite (ASAT) test in 2013, which demonstrated expanded Chinese capabilities. This volume explores the issues arising from evolving space capabilities across the world and the security challenges this poses. It subsequently discusses the complexity of the space environment and argues that all tools of national power must be used, with some degree of balance, toward addressing space challenges and achieving space goals. This book will be of much interest to students of space policy, defence studies, foreign policy, security studies and IR.

This brand new edition of *The US Military Profession into the Twenty-First Century* re-examines the challenges faced by the military profession in the aftermath of the international terrorist attack on the United States on September 11, 2001.

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While many of the issues facing the military profession examined in the first edition remain, the new war and international terrorism have compounded the challenges. The US military must respond to the changed domestic and strategic landscapes without diminishing its primary function—a function that now many see that goes beyond success on the battlefield. Not only has this complicated the problem of reconciling the military professional ethos and *raison d'être* with civilian control in a democracy, it challenges traditional military professionalism. This book also studies the notion of a US military stretched thin and relying more heavily on the US Federal Reserves and National Guard. These developments make the US military profession increasingly linked to public attitudes and political perspectives. In sum, the challenge faced by the US military profession can be termed a dual dilemma. It must respond effectively to the twenty-first century strategic landscape while undergoing the revolution in military affairs and transformation. At the same time, the military profession must insure that it remains compatible with civilian cultures and the US political-social system without eroding its primary function. This is an invaluable book for all students with an interest in the US Military, and of strategic studies and military history in general.

Looks at the weaponry, equipment, and technology of the modern-day soldier, and offers an illustrated tour of such innovations as the JDAM smart bomb, the CRW Dragonfly helicopter, and the biosensor.

4GW (Fourth Generation Warfare) is the only kind of war America has ever lost. And we have done so three times – in Vietnam, Lebanon, and Somalia. This form of warfare has also defeated the French in Vietnam and Algeria, and the USSR in Afghanistan...As the only Goliath left in the world, we should be worried that the world's Davids have found a sling

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and stone that work." – Chapter 1, The Sling and the Stone: On War in the 21st Century. The War in Iraq. The War on Terror. These types of "asymmetrical" warfare are the conflicts of the 21st century – and show how difficult it is for the world's remaining superpower to battle insurgents and terrorists who will fight unconventionally in the face of superior military power. This change in military conflict may seem sudden.

In *The End of Grand Strategy*, Simon Reich and Peter Dombrowski challenge the common view of grand strategy as unitary. They eschew prescription of any one specific approach, chosen from a spectrum that stretches from global primacy to restraint and isolationism, in favor of describing what America's military actually does, day to day. They argue that a series of fundamental recent changes in the global system, the inevitable jostling of bureaucratic politics, and the practical limitations of field operations combine to ensure that each presidential administration inevitably resorts to a variety of strategies. Proponents of different American grand strategies have historically focused on the pivotal role of the Navy. In response, Reich and Dombrowski examine six major maritime operations, each of which reflects one major strategy. One size does not fit all, say the authors—the attempt to impose a single overarching blueprint is no longer feasible. Reich and Dombrowski declare that grand strategy, as we know it, is dead. *The End of Grand Strategy* is essential reading for policymakers, military strategists, and analysts and critics at advocacy groups and think tanks. A major new study of the realities of contemporary warfare, which presents a range of fresh insights and is essential reading for all students and professionals engaged in the field. This book clearly shows us that: neither military nor civilian agencies can act effectively alone in resolving modern conflicts joint civil-military efforts are needed, and those

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efforts must be deliberately planned from the outset of an operation; they cannot be added on as afterthoughts when all else has failed the record of our efforts over nearly a decade and a half since the end of the Cold War demonstrates that we are doing badly at creating civil-military partnerships, and that we are not getting better. James V. Arbuckle shows how these issues are neither structural nor organizational - they are cultural. They involve attitudes, beliefs, perceptions – positive and negative, true and false. The solutions will involve changing attitudes, moving beyond prejudices, replacing competition with cooperation. The principal mechanisms for this will be common civil-military training and education.

This book applies the concept of mediatization to the contemporary dynamic between war, media and society, with a focus on the Israel Defence Forces (IDF). Since the beginning of the 21st century the IDF has undergone an intensive process of mediatization that has transformed the media into an interpretative grid for many of its military activities and increasingly utilized media to garner public support and construct civilian perceptions of conflict and security through media activity and strategy. This process can be divided into four distinct chronological phases in accordance with the operational challenges confronted by the IDF during this period, from the Al-Aqsa Intifada of 2000, through Israeli unilateral disengagement from Gaza in 2005, and the second Lebanon war of 2006, to the series of Gaza confrontations of 2008-2014. The work shows how the IDF's media policy evolved

from a narrow perception of its role, and separation between operational and media actions to a cohesive and coherently articulated media strategy that is increasingly intertwined with military action and operational strategy and a vital component of strategic military aims and objectives. This strategic stance has led the IDF to adopt a global media perspective using the most advanced new media platforms, designed to influence public opinion and improve national narratives, both in Israel and the international community. By applying the concept of mediatization to the Israeli case, this book fills a research lacuna and offers a new prism for the study of media-military relations in contemporary conflicts. The book will be of much interest to students of civil-military relations, strategic studies, Middle Eastern Studies, media and communication studies, sociology and IR, in general.

This book explores the ethical implications of war in the contemporary world. The author, a leading theorist of warfare, explains why it is of crucial importance that Western countries should continue to apply traditional ethical rules and practices in war, even when engaging with international terrorist groups. The book uses the work of the late American philosopher Richard Rorty to explain the need to make ethical rules central to the conduct of military operations. Arguing that the question of ethics was re-opened by the 'War on Terror', the book then

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examines America's post-9/11 redefinition of its own prevailing discourse of war. It ends with a discussion of other key challenges to the ethics of war, such as the rise of private security companies and the use of robots in war. In exploring these issues, this book seeks to place ethics at the centre of debates about the conduct of future warfare. This book will be of great interest to all students of military ethics, war studies, military history and strategic studies in general, and to military colleges in particular.

Laser weapons, optical munitions causing blinding, electrical stunners, infrasound beams to disorient people, repeat pulse microwave devices, and a whole range of new chemical weapons (super-corrosives, super-adhesives, anti-traction and embrittling substances) - the list of new generation, hi-tech anti-personnel and anti-material weaponry is a long one. These so-called non-lethal weapons are the subject of this remarkable book on an arms race which the general public has hardly yet heard of.

Yet, in the brave new world of post-cold war 'benign interventions' - from Bosnia to Somalia - American, British and other Western armed forces are busy pursuing a variety of new devices which, they hope, will cause fewer civilian, and also fewer military, casualties and so excite less popular opposition.

Various police forces are also interested as they confront increasingly alienated communities and urban riots. This book tells us what the new weapons



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are, how they work, and the burgeoning body of policy and doctrine relating to their deployment. It describes how this military hi-tech is already beginning to be used and the health risks, ethical implications and human rights consequences involved. The authors discuss the new notion of benign intervention as it becomes a central part of 21st century strategy for the maintenance of order in an essentially disorderly world. For expert and lay reader alike, this book provides an essential introduction to a subject of the utmost importance for the future.

This book examines the challenges that military forces will face in multinational operations in the 21st century. Expanding on Rupert Smith's *The Utility of Force*, the volume assesses the changing parameters within which force as a political instrument is ultimately carried out. By analysing nine carefully selected mission types, the volume presents a comprehensive analysis of key trends and trajectories. Building upon this analysis, the contributors break the trends and parameters down into real and potential tasks and mission types in order to identify concrete implications for military forces in future multinational operations. The context of military intervention in conflicts and crises around the world is rapidly evolving. Western powers' shrinking ability and desire to intervene makes it pertinent to analyse how the cost of operations can



be reduced and, how they can be executed more intelligently in the future. New challenges to international military operations are arising and this book addresses these challenges by focusing on three key areas of change: 1) An increasingly urbanised world; 2) The changing nature of missions; 3) The commercial availability of new technologies. In answering these questions and embracing some of the insights of a growing field of future studies, the volume presents an innovative perspective on future international military operations. This book will be of much interest to students of international intervention, military and strategic studies, war and conflict studies, security studies and IR in general.

This book examines the key dimensions of 21st century war, and shows that orthodox thinking about war, particularly what it is and how it is fought, needs to be updated. Accelerating societal, economic, political and technological change affects how we prepare, equip and organise for war, as well as how we conduct war – both in its low-tech and high-tech forms, and whether it is with high intensity or low intensity. The volume examines changes in warfare by investigating the key features of the conduct of war during the first decades of the 21st century. Conceptually centred around the terms ‘kinetic’, ‘connected’ and ‘synthetic’, the analysis delves into a wide range of topics. The contributions discuss

hybrid warfare, cyber and influence activities, machine learning and artificial intelligence, the use of armed drones and air power, the implications of the counterinsurgency experiences in Iraq, Afghanistan and Syria, as well as the consequences for law(fare) and decision making. This work will be of much interest to students of military and strategic studies, security studies and International Relations.

Chapters 1, 2, 5, and 19 of this book are freely available as a downloadable Open Access PDF under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license available at <https://www.routledge.com/The-Conduct-of-War-in-the-21st-Century-Kinetic-Connected-and-Synthetic/Johnson-Kitzen-Sweijs/p/book/9780367515249>

*Military Leadership in the 21st Century* aims to provide junior commanders or entry-level military officers with an introductory-level appreciation of the key concepts and issues related to military leadership from a social-behavioral science perspective. The book focuses on "direct-level" or "team leadership". It has three main themes: (1) the human dimension of military operations and organization; (2) the main approaches to direct or team-level leadership, including the trait-approach, values or ethical leadership, and leadership styles and behaviors; and (3) the challenges of leadership in 21st century military operations, organizations, and, the 21st century military profession. Besides

learning key leadership-related concepts and issues, readers are also introduced to key events, institutions and social-behavioral scientific research programs that have shaped contemporary military leadership doctrines and systems.

The book explores how small states adjust their military strategies in response to external shocks. Using primary sources from four Nordic countries, (Denmark, Finland, Norway, and Sweden), this volume explores how small states have adjusted their military strategies in response to external shocks of the 21st century. The 9/11 terrorist attacks, the Russian interventions in Georgia and Ukraine, and the rise of the Islamic State have all forced the Nordic states to adopt new strategies. While the responses have not been uniform, their differing relations to the EU and NATO have not prevented these countries from behaving similarly in military affairs. Limitations in military capacity has led all four countries to pursue strategies that include cooperation with more resourceful partners. It is necessary for them to cooperate with others to protect and promote their national interests. Moreover, the Nordic cosmopolitan outlook expresses milieu-shaping ambitions that we generally would not expect small states to pursue against a potential great power aggressor. This book will be of much interest to students of military strategy, defense studies, security studies, and

This collection examines the extent to which nuclear weapons modernization has become a significant point of concern and consideration in international security. Recent statements and substantial investments by nuclear weapon possessor states in the upkeep and modernization of their nuclear postures – particularly the United States, Russia and China – illustrate a return of primacy and the salience of nuclear forces in international politics. The upgrading of systems, the introduction of new capabilities, the intermingling of new technologies, and the advancement of new strategic models, are all indicative of their elevation in importance and reliance. With contributions from leading thinkers in the nuclear weapons domain, this book elucidates the global strategic and policy implications such modernization efforts by the above-mentioned states will have on international security. In unpacking and conceptualizing this developing source of potential (in)security and tension, the collection not only provides a technical context, but also frames the likely effects modernization could have on the relations between these nuclear weapon powers and the larger impact upon efforts to curb nuclear weapons – both in terms of horizontal and vertical proliferation. The chapters have been arranged so as to inform a variety of stakeholders, from academics to policy-makers, by connecting

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analytical and normative insights, and thereby,  
advancing debates pertaining to where nuclear  
modernization sits as a point of global security  
consternation in the 21st century.

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