

Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

Military Geosciences and Desert Warfare Past Lessons and Modern Challenges Springer

A selection of papers on a broad range of military topics ranging from the strategic perspective, through analyses of historical battles at the operational and tactical levels, to the use of advanced technologies applied to present-day military problems. With its impressive breadth of coverage – both geographically and chronologically – the International Encyclopedia of Military History is the most up-to-date and inclusive A-Z resource on military history. From uniforms and military insignia worn by combatants to the brilliant military leaders and tacticians who commanded them, the campaigns and wars to the weapons and equipment used in them, this international and multi-cultural two-volume set is an accessible resource combining the latest scholarship in the field with a world perspective on military history.

Military Geology in War and Peace

The Origin and Growth of Geography as a discipline at South Africa Universities

Military History and the Physical Environment

Review of Military Literature

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges
Advances In Military Geosciences

*The Transformation of American Air Power
Making War at Fort Hood*

"Eighteen chapters address the complex yet critical aspects of the role of geosciences in military undertakings. The chapters cover a wide range of expertise drawn from the broad area of geology, geomorphology, geography, geophysics, engineering geology, hydrogeology, cartography, environmental science, remote sensing, soil science, geoinformatics, and related disciplines that reflect the multidisciplinary nature of military geology"--

This book is a collection of papers presented at the 9th International Conference of Military Geoscience that was held in 2011. The conference included discussion on a diverse range of geosciences, including military history, military geology, teaching geology from a military prospective, geological influence on the battlefield, and environmental and cultural issues related to management of military lands. Geology and geography have played a significant role in military history, from providing the stone for primitive tools and weapons, to the utilization of terrain in offensive and defensive strategies. Specific to this volume, deserts comprise nearly a third of the Earth ' s surface and have been the site of numerous battles where the dust, heat, and a lack of food and water have provided challenges to military leaders and warriors. This book examines the role of deserts in past and

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

modern warfare, the problems and challenges in managing military lands in desert regions, and how desert environmental conditions can impact military equipment and personnel. This proceedings volume should be of interest to scholars, professionals, and those interested in military history, warfare, geology, geography, cultural resources, general science, and military operations.

Since the unprecedentedly effective performance of the allied air campaign against Iraq during Operation Desert Storm, the role of American air power in future wars has become a topic of often heated public debate. In this balanced appraisal of air power's newly realized strengths in joint warfare, Benjamin Lambeth, a defense analyst and civilian pilot who has flown in most of the equipment described in this book, explores the extent to which the United States can now rely on air-delivered precision weapons in lieu of ground forces to achieve strategic objectives and minimize American casualties. Beginning with the U.S. experience in Southeast Asia and detailing how failures there set the stage for a sweeping refurbishment of the nation's air warfare capability, Lambeth reviews the recent history of American air power, including its role in the Gulf War and in later conflicts in Bosnia, Kosovo, and Serbia. He examines improvements in areas ranging from hardware development to aircrew skills and organizational adaptability. Lambeth

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

acknowledges that the question of whether air power should operate independently or continue to support land operations is likely to remain contentious. He concludes, however, that air power, its strategic effectiveness proven, can now set the conditions for victory even from the outset of combat if applied to its fullest potential.

Geology and Warfare

Military Geosciences in the Twenty-First Century

African Military Geosciences

Studies in Military Geography and Geology

200 Years of British Hydrogeology

Military Aspects of Geology

Making War at Fort Hood offers an illuminating look at war through the daily lives of the people whose job it is to produce it. Kenneth MacLeish conducted a year of intensive fieldwork among soldiers and their families at and around the US Army's Fort Hood in central Texas. He shows how war's reach extends far beyond the battlefield into military communities where violence is as routine, boring, and normal as it is shocking and traumatic. Fort Hood is one of the largest military installations in the world, and many of the 55,000 personnel based there have served multiple tours in Iraq and Afghanistan. MacLeish provides intimate portraits of Fort Hood's soldiers and those closest to them, drawing on numerous in-depth interviews and diverse ethnographic material. He explores the exceptional position that soldiers occupy in relation to violence--not only trained to fight and kill, but placed deliberately in harm's way and offered up to die. The death and destruction of war happen to soldiers on purpose. MacLeish interweaves gripping narrative with critical

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

theory and anthropological analysis to vividly describe this unique condition of vulnerability. Along the way, he sheds new light on the dynamics of military family life, stereotypes of veterans, what it means for civilians to say "thank you" to soldiers, and other questions about the sometimes ordinary, sometimes agonizing labor of making war. Making War at Fort Hood is the first ethnography to examine the everyday lives of the soldiers, families, and communities who personally bear the burden of America's most recent wars. Records lessons learnt from military experience in World War I and II. It also contains perspectives from America which show how, in warfare, military geologists irrespective of nationality have pursued tactical and strategic terrain analysis, fortifications and tunnelling, and resource acquisition, defence installations, and field constructions and logistics. It shows how in peace-time military geologists train for wartime operations and may be involved in peace-keeping and nation-building deployments.

Bringing much-needed historical perspectives to debates about an idiosyncratic period in modern Latin American history, scholars from the United States and Peru reassess the meaning and legacy of Peru's left-leaning military dictatorship.

Examples of the Influence of Terrain and Geologists on Military Operations

Tableaux et dessins anciens... Art nouveau... Sièges et meubles...

Military Aspects of Hydrogeology

New Mexico's Ice Ages

Army Weapon Systems Analysis

International Encyclopedia of Military History

This volume presents a selection of papers from the 13th International Conference on Military Geosciences (ICMG),

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

held 24-28 June 2019 in Padua, Italy. It covers a wide range of subjects within the confines of military geoscience written by scientists with a variety of different backgrounds from many countries throughout the world. Many of the papers focus on subjects related to Italy and World War I, but additional subject areas include international perspectives in the military geosciences, international security, geospatial intelligence and remote sensing, subterranean and underground warfare, analyses of historical battlefields and fortifications, and military archaeology. The book will be of interest to academics (e.g., military historians, military archaeologists, military geographers and geologists), applied geoscientists (e.g., engineering geologists and geologists working in other areas of applied geology), professional geoscientists, and those with a general interest in military geoscience and history. This book is a collection of papers presented at the 9th International Conference of Military Geoscience that was held in 2011. The conference included discussion on a diverse range of geosciences, including military history, military geology, teaching geology from a military prospective, geological influence on the battlefield, and environmental and cultural issues related to management of military lands. Geology and geography have played a significant role in military history, from providing the stone for primitive tools and weapons, to the utilization of terrain in offensive and defensive strategies. Specific to this volume, deserts comprise nearly a third of the Earth's surface and have been the site of numerous battles where the dust, heat, and a lack of food and water have provided challenges to military leaders and warriors. This book examines the role of deserts in past and modern warfare, the problems and challenges in managing

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

military lands in desert regions, and how desert environmental conditions can impact military equipment and personnel. This proceedings volume should be of interest to scholars, professionals, and those interested in military history, warfare, geology, geography, cultural resources, general science, and military operations.

A Research Agenda for Military Geographies explores how military activities and phenomena are shaped by geography, and how geographies are in turn shaped by military practices. A variety of future research agendas are mapped out, examining the questions faced by geographers when studying the military and its effects.

Geology of the Green River Desert-cataract Canyon Region
Bulletin 28

Emery, Wayne, and Garfield Counties, Utah

Military Geosciences in the Twenty-first Century

Cavalry, Comanches, and the Battle for the Texas Frontier
Fields of Battle

This book is a collection of papers presented at the 11th International Conference of Military Geoscience that was held in 2015. The conference included discussion on a diverse range of geosciences, including military history, military geology, teaching geology from a military prospective, geological influence on the battlefield, and environmental and cultural issues related to management of military lands. Geology and geography have played a significant role in military history, from providing the stone for

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

primitive tools and weapons, to the utilization of terrain in offensive and defensive strategies. Specific to this volume, deserts comprise nearly a third of the Earth's surface and have been the site of numerous battles where the dust, heat, and a lack of food and water have provided challenges to military leaders and warriors. This book examines the role of deserts in past and modern warfare, the problems and challenges in managing military lands in desert regions, and how desert environmental conditions can impact military equipment and personnel. This proceedings volume should be of interest to scholars, professionals, and those interested in military history, warfare, geology, geography, cultural resources, general science, and military operations. In warfare, military geologists pursue five main categories of work: tactical and strategic terrain analysis, fortifications and tunneling, resource acquisition, defense installations, and field construction and logistics. In peace, they train for wartime operations and may be involved in peace-keeping and nation-building exercises. In addition to the introductory paper this volume includes 24 papers, covering selected aspects of the history of military geology from the early

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

19th century through the recent Persian Gulf war.

Contemporary Military Geosciences in South Africa presents the reader with chapters celebrating the scope, reach and impact of themes researched by military geoscientists. The first topics under investigation ranges from battlefield archaeology and battlefield tourism to military environmental management and the development of a unique South African spatial decision support system for military integrated environmental management. This is followed by an in-depth look at contemporary maritime factors at play in South Africa. The book is concluded by an analysis of the issues surrounding military mobility software and terrain negotiability, as well as a comprehensive examination of how geographic factors influence the distribution of natural radionuclides in a military area.

Fortification, Excavation and Terrain Evaluation

Journal of Geoscience Education

Perilous Memories

The Peculiar Revolution

Command and General Staff School Quarterly

Library of Congress Subject Headings

This book complements the Geological

Society's Special Publication 362: Military Aspects of Hydrogeology. Generated under the auspices of the Society's History of Geology and Engineering Groups, it contains papers from authors in the UK, USA, Germany and Austria. Substantial papers describe some innovative engineering activities, influenced by geology, undertaken by the armed forces of the opposing nations in World War I. These activities were reactivated and developed in World War II. Examples include trenching from World War I, tunnelling and quarrying from both wars, and the use of geologists to aid German coastal fortification and Allied aerial photographic interpretation in World War II. The extensive introduction and other chapters reveal that 'military geology' has a longer history. These chapters relate to pre-twentieth century coastal fortification in the UK and the USA; conflict in the American Civil War; long-term 'going' assessments for German forces; tunnel repair after wartime route denial in Hong Kong; and tunnel detection after recent insurgent improvisation in Iraq.

This volume highlights some of the many accomplishments of British hydrogeologists during the last 200 years. Twenty-five essays discuss such topics as the use of groundwater in 19th-century Scottish spas; the contribution of

geologists to British army well-drilling units in WWI; and the development of the profession since 1974. Fifteen of the page.

This book contains 20 papers from authors in the UK, USA, Germany and Austria. Historically, it gives examples of the influence of groundwater on battlefield tactics and fortress construction; describes how groundwater was developed for water supply and overcome as an obstacle to military engineering and cross-country vehicular movement by both sides in World Wars I and II; and culminates with examples of the application of hydrogeology to site boreholes in recent conflicts, notably in Afghanistan. Examples of current research described include hydrological model development; the impact of variations in soil moisture on explosive threat detection and cross-country vehicle mobility; contamination arising from defence sites and its remediation; privatization of water supplies; and the equitable allocation of resources derived from an international transboundary aquifer.

**Life and Uncertainty in a Military Community
What is Next for Mali?**

Desert Warfare: German Experiences In World War II [Illustrated Edition]

Jeff Davis's Own

Contemporary Military Geosciences in South Africa

Rethinking the Peruvian Experiment Under Military Rule

In March 2012, the government of Mali, one of the most touted symbols of Africa's democratic potential, fell in a military-executed coup. At the same time, a 4-decades old rebellion among Tuaregs seeking autonomy or independence reached new heights fueled by weapons from Libya and the belief that the Arab Spring could extend to northern Mali. Al-Qaeda in the Islamic Maghreb (AQIM) and their allies were quick to capitalize on the increasing chaos in a territory characterized by lack of government control and poverty and seized the major cities in the north. While French-led military intervention restored security to cities in the north, the underlying social, economic and political issues of the crisis remain.

This book is a collection of papers presented at the 11th International Conference of Military Geoscience that was held in 2015. The conference included discussion on a diverse range of geosciences, including military history, military geology, teaching geology from a military prospective, geological influence on the battlefield, and environmental and cultural issues related to management of military lands. Geology and geography have played a significant role in military history, from providing the stone for primitive tools and weapons, to the utilization of terrain in offensive and defensive strategies. Specific to this volume, deserts comprise nearly a third of the Earth's surface

and have been the site of numerous battles where the dust, heat, and a lack of food and water have provided challenges to military leaders and warriors. This book examines the role of deserts in past and modern warfare, the problems and challenges in managing military lands in desert regions, and how desert environmental conditions can impact military equipment and personnel. This proceedings volume should be of interest to scholars, professionals, and those interested in military history, warfare, geology, geography, cultural resources, general science, and military operations.

Perilous Memories makes a groundbreaking and critical intervention into debates about war memory in the Asia-Pacific region. Arguing that much is lost or erased when the Asia-Pacific War(s) are reduced to the 1941–1945 war between Japan and the United States, this collection challenges mainstream memories of the Second World War in favor of what were actually multiple, widespread conflicts. The contributors recuperate marginalized or silenced memories of wars throughout the region—not only in Japan and the United States but also in China, Southeast Asia, the Pacific Islands, Okinawa, Taiwan, and Korea. Firmly based on the insight that memory is always mediated and that the past is not a stable object, the volume demonstrates that we can intervene positively yet critically in the recovery and reinterpretation of events and experiences that have

been pushed to the peripheries of the past. The contributors—an international list of anthropologists, cultural critics, historians, literary scholars, and activists—show how both dominant and subjugated memories have emerged out of entanglements with such forces as nationalism, imperialism, colonialism, racism, and sexism. They consider both how the past is remembered and also what the consequences may be of privileging one set of memories over others. Specific objects of study range from photographs, animation, songs, and films to military occupations and attacks, minorities in wartime, “comfort women,” commemorative events, and postwar activism in pursuing redress and reparations. *Perilous Memories* is a model for war memory intervention and will be of interest to historians and other scholars and activists engaged with collective memory, colonial studies, U.S. and Asian history, and cultural studies. Contributors. Chen Yingzhen, Chungmoo Choi, Vicente M. Diaz, Arif Dirlik, T. Fujitani, Ishihara Masaie, Lamont Lindstrom, George Lipsitz, Marita Sturken, Toyonaga Keisaburo, Utsumi Aiko, Morio Watanabe, Geoffrey M. White, Diana Wong, Daqing Yang, Lisa Yoneyama

Military Geosciences and Desert Warfare
Military Geoscience: A Multifaceted Approach to the Study of Warfare
Terrain in Military History
The Asia-Pacific War(s)
Engineering Design Handbook

vente 1.er juillet 1973

Terrain has a profound effect upon the strategy and tactics of any military engagement and has consequently played an important role in determining history. In addition, the landscapes of battle, and the geology which underlies them, has helped shape the cultural iconography of battle certainly within the 20th century. In the last few years this has become a fertile topic of scientific and historical exploration and has given rise to a number of conferences and books. The current volume stems from the international Terrain in Military History conference held in association with the Imperial War Museum, London and the Royal Engineers Museum, Chatham, at the University of Greenwich in January 2000. This conference brought together historians, geologists, military enthusiasts and terrain analysts from military, academic and amateur backgrounds with the aim of exploring the application of modern tools of landscape visualisation to understanding historical battlefields. This theme was the subject of a Leverhulme Trust grant (F/345/E) awarded to the University of Greenwich and administered by us in 1998, which aimed to use the tools of modern landscape visualisation in understanding the influence of terrain in the First World War. This volume forms part of the

output from this grant and is part of our wider exploration of the role of terrain in military history. Many individuals contributed to the organisation of the original conference and to the production of this volume.

This eight-chapter volume, *African Military Geosciences: Military History and the Physical Environment*, is a tour-de-force covering nearly 500 years of African military geosciences. It is a truly global book that reveals keen insights into regional, national and international military-forces activities centered in Africa and how the understanding of geosciences plays important roles. It is written for the specialist, but also attractive to the general military buff - well referenced and illustrated with figures from primary sources, historical catalogues and compendia. The publication explores the "e;age of sail"e;, harbour defenses, the trafficability of desert environments and marshes, as well as climate controls on sailing or land battles. There is even insight into an elite artillery unit staffed by women during Second World War - essentially covering the whole gamut. Ultimately, the reader explores a nearly 500-year journey around the African continent and beyond. The publication provides the first comprehensive text that reflects on a century of the development of geography as an academic

discipline at South African universities. The book showcases a broad and textured review of South Africa's geography departments, their staff members, their times, and the different Geographies they engaged in. The book lays the foundation from which more expansive individual departmental histories can be written in the future.

**African Military Geoscience
Bridging History to Current Operations
The Roots of Conflict and Challenges to Stability
A Research Agenda for Military Geographies
Military Geoscience**

ÿThis eight-chapter volume, African Military Geosciences: Military History and the Physical Environment, is a tour-de-force covering nearly 500 years of African military geosciences. It is a truly global book that reveals keen insights into regional, national and international military-forces activities centered in Africa and how the understanding of geosciences plays important roles. It is written for the specialist, but also attractive to the general military buff ? well referenced and illustrated with figures from primary sources, historical catalogues and compendia. The publication further

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

explores the 'age of sail', harbour defenses, the trafficability of desert environments and marshes, as well as climate controls on sailing or land battles. There is even insight into an elite artillery unit staffed by women during Second World War - essentially covering the whole gamut. Ultimately, the reader explores a nearly 500 year journey around the African continent and beyond.

Table of contents

U.S. military lands are part of the public trust and the level of awareness of sustainability and land-use issues has risen significantly in recent years. Ehlen (U.S. Army Engineer Research and Development Center) and Harmon (U.S. Army Research Office) present 14 articles that look at the use of engineering geology principles and their applications to both military operations and environmental issues, although military operations and the environment are not always treated together. Topics include battlefield terrain evaluation, predicting fracture systems in enemy underground facilities, the geoenvironmental legacy

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

of the Rock of Gibraltar military engineering, and erosion trends at Fort Leonard Wood. Annotation c. Book News, Inc., Portland, OR (booknews.com)
The Use of Geology on the Western Front
The Environmental Legacy of Military Operations

Humans as Geologic Agents

Past Lessons and Modern Challenges

Includes 112 photos/illustrations and 21 maps. The German Afrika Korps blazed a trail across the deserts of North Africa under their dashing leader Erwin Rommel, the Desert Fox, although finally defeated by far superior Allied Forces they set the gold standard for desert operations. This book is of great historical value and even in the present day it is still considered of great value by the American military who still seek for improvements in their ways of desert doctrine...

"Analysts continue to assess the data from Operations Desert Shield and Desert Storm as a means of improving the military's ability to function efficiently in desert terrain...The information gleaned from this effort will enhance the already considerable

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

body of knowledge on the subject derived from the historical record...When contributions in the latter category are located or rediscovered, they should be given the dissemination they merit... "Such is the purpose of publishing *Desert Warfare: German Experiences in World War II*...Organized by Major General Alfred Toppe and written with the assistance of nine German commanders who served in North Africa, the manuscript...represents a collaborative attempt to determine "as many factors as possible which exerted a determining influence on desert warfare," Issues addressed include planning, intelligence, logistics, and operations. Described and analyzed are the German order of battle, the major military engagements in North Africa, and the particular problems of terrain and climate in desert operations. Not unlike many of the U.S. units engaged in the war with Iraq, the Germans in North Africa learned about combat operations in the desert only after they arrived on the scene and confronted the desert on its own terms.

Read Online Military Geosciences And Desert Warfare Past Lessons And Modern Challenges Advances In Military Geosciences

For this reason alone, as well as for the insights it offers, Desert Warfare requires the serious consideration of those responsible for preparing the U.S. military for any future conflict in desert terrain."