

M1 Abrams Vs T 72 Ural Operation Desert Storm 1991 Duel

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T-64 Battle Tank - Steven J. Zaloga 2015-10-20
An in-depth illustrated study of the T-64 Battle Tank, the Soviet Union's most secret and controversial Cold War weapon. The T-64 tank was the most revolutionary design of the whole

Cold War, designed to provide the firepower and armour protection of a heavy tank in a medium-weight design. It pioneered a host of new technologies including laminate armour, stereoscopic tank rangefinders, opposed-piston

engines, smooth-bore tank guns with discarding sabot ammunition, and gun-fired guided projectiles. These impressive features meant that the Russians were loath to part with the secrets of the design, and the T-64 was the only Soviet tank type of the Cold War that was never exported. Written by an armour expert, this detailed technical history sheds light on the secrets behind the Cold War's most controversial tank, revealing how its highly advanced technologies proved to be both a blessing and a curse.

M1 Abrams vs T-72 Ural - Steven J. Zaloga
2011-03-15

The Gulf War bore witness to a number of deadly encounters between these two great adversaries. Heavily armoured, highly mobile and capable of killing at over 2500m the M1 Abrams is, to this day, a veritable fighting machine. Superior to both Iraq's Soviet era T-55 and T-62 tanks, nearly all sources claim that no Abrams tank has ever been destroyed by enemy

fire. Despite entering service in 1980, the M1 Abrams remained untested in combat until the Gulf War in 1991, where it was to be confronted by its archenemy the Iraqi-assembled Soviet-designed T-72. Entering production in 1971, the T-72 arguably outstripped its contemporaries in a balance of mobility, protection and firepower. By the time of Operation Desert Storm, however, the tables had turned and the tank suffered due to low quality ammunition and poorly trained crews. In this fascinating study, Steven Zaloga pits these two great fighting machines against one another, plotting the development of the Cold War until both tanks met in combat in the deserts of Iraq and Kuwait.

The Whirlwind War - Frank N. Schubert 1995
CMH Publication 70-30. Edited by Frank N. Schubert and TheresaL. Kraus. Discusses the United States Army's role in the Persian Gulf War from August 1990 to February 1991. Shows the various strands that came together to produce the army of the 1990s and how that

army in turn performed under fire and in the glare of world attention. Retains a sense of immediacy in its approach. Contains maps which were carefully researched and compiled as original documents in their own right. Includes an index.

Advanced Automotive Fault Diagnosis - Tom Denton 2006-08-14

Diagnostics, or fault finding, is a fundamental part of an automotive technician's work, and as automotive systems become increasingly complex there is a greater need for good diagnostic skills. *Advanced Automotive Fault Diagnosis* is the only book to treat automotive diagnostics as a science rather than a check-list procedure. Each chapter includes basic principles and examples of a vehicle system followed by the appropriate diagnostic techniques, complete with useful diagrams, flow charts, case studies and self-assessment questions. The book will help new students develop diagnostic skills and help experienced

technicians improve even further. This new edition is fully updated to the latest technological developments. Two new chapters have been added - On-board diagnostics and Oscilloscope diagnostics - and the coverage has been matched to the latest curricula of motor vehicle qualifications, including: IMI and C&G Technical Certificates and NVQs; Level 4 diagnostic units; BTEC National and Higher National qualifications from Edexcel; International Motor Vehicle qualifications such as C&G 3905; and ASE certification in the USA. *Chinese Military Modernization and Force Development* - Anthony H. Cordesman 2013-10-22

This report from the CSIS Burke Chair in Strategy examines trends in Chinese strategy, military spending, and military forces based on Chinese defense white papers and other official Chinese sources; US reporting by the Department of Defense and other defense agencies; and other government sources,

including Japanese and Korean defense white papers and the International Monetary Fund.

Water, Cultural Diversity, and Global Environmental Change - Barbara Rose

Johnston 2011-12-07

Co-published with UNESCO A product of the UNESCO-IHP project on Water and Cultural Diversity, this book represents an effort to examine the complex role water plays as a force in sustaining, maintaining, and threatening the viability of culturally diverse peoples. It is argued that water is a fundamental human need, a human right, and a core sustaining element in biodiversity and cultural diversity. The core concepts utilized in this book draw upon a larger trend in sustainability science, a recognition of the synergism and analytical potential in utilizing a coupled biological and social systems analysis, as the functioning viability of nature is both sustained and threatened by humans.

Modern Israeli Tanks and Infantry Carriers 1985-2004 - Marsh Gelbart 2012-05-20

Over the last two decades, the Israel Defence Force (IDF) has introduced a variety of new AFVs. Old models such as the M48 and M60 have been improved beyond recognition, in the form of the Magach 7. The performance of Israel's indigenous Merkava tank has been similarly enhanced with new variants and the new Merkava 4 MBT has recently entered service. Israeli infantry have also received machines such as the Achzarit assault carrier, the Puma combat engineer vehicle and the Nagmachon and Nakpadon (tank-based carriers intended for low intensity conflicts). This book examines the design, modification and combat history of these formidable fighting machines.

Mongolia's Economic Prospects - Matthias Helble 2020-06-01

This publication examines Mongolia's recent economic development and outlines reforms that would help the country take advantage of its many opportunities. Mongolia is rich in natural resources and, although landlocked, is well-

placed to boost trade with its two giant neighbors. The country needs to diversify its economy beyond mining, enhance economic stability, and increase employment. To maximize Mongolia's potential the government can improve macroeconomic management, enhance the skill base, and provide hard and soft infrastructure to promote trade and efficient logistics. Governance and institutional reforms are also crucial. The government will need to continue to drive reforms so that they are well implemented and deliver the intended change.

T-34-85 vs M26 Pershing - Steven J. Zaloga
2011-12-20

A hotly-debated topic amongst tank buffs is of the relative merits of the Soviet and American tanks of World War II. Using recently revealed documents, Steven Zaloga sheds light on the crucial tank battles of the Korean War as the rival superpowers' finest tanks battled for supremacy. The Soviet-equipped North Korean Peoples Army initially dominated the battlefield

with the seemingly unstoppable T34-85. As US tank battalions hastily arrived throughout the late summer and early autumn of 1950, the M26 Pershing took the fight to North Korea with increasing success.

T-62 Main Battle Tank 1965-2005 - Steven J. Zaloga
2011-10-20

The Soviet Army hastily developed the T-62 in a struggle to compete against the rapid proliferation of NATO tanks in the 1960s. It was essentially a modification of the widely-manufactured T-55 tank with the addition of a new 115mm gun. Within the USSR itself, the T-62 was quickly superseded, but it was widely exported, becoming a critical component of the Egyptian and Syrian armies in the 1973 Yom Kippur conflict and heavily influenced later designs of the M1 Abrams and Challenger tanks. In the first English-language history of this tank, Steven Zaloga examines the development of the T-62 using detailed combat descriptions to bring to life the operational history of this tank from

the deserts of the Sinai to the harsh terrain of Afghanistan.

M1A2 Abrams Main Battle Tank 1993-2018 -

Steven J. Zaloga 2019-03-21

Since the Gulf War, the Abrams tank has undergone a transformation, while fighting in conflicts across the world. Its M1A1 and M1A2 variants have seen great improvements made to this iconic tank, including in fire-control, armour protection, and thermal imaging technology.

Involvement in the conflicts in Iraq and Afghanistan necessitated a number of upgrades and modifications as the United States fought two of its longest wars. Recent years have seen new variants of the series such as the ABV Assault Breacher Vehicle and M104 Wolverine Heavy Assault Bridge. Over the past few decades, the M1A1 Abrams has also been extensively exported and is license produced in Egypt. The long-awaited follow-up to *NVG 2 M1 Abrams Main Battle Tank 1982-92* (1993), this fully illustrated study examines the Abrams

tanks' last quarter-century of service with both the United States and its various foreign operators with a focus on its combat history.

F-15C Eagle vs MiG-23/25 - Douglas C. Dildy
2016-04-21

Designed following the relatively poor performance of America's multi-role fighters during the Vietnam War, the F-15 Eagle was conceived as a dedicated air superiority fighter. But, having trained for 15 years in the Eagle it wasn't Eastern Bloc operated MiGs that the F-15 eventually came up against, but pilots of Saddam Hussein's Iraqi airforce. This book analyses the combat between the American and Soviet 'Cold War fighters' in a balanced manner, examining how the technical abilities of the aircraft combined with the different levels of training available to opposing pilots and groundcrews allowed the F-15s to destroy the Iraqi offensive abilities within weeks of the First Gulf War starting. Packed with artwork, illustrations and photographs, this book places the reader in the

cockpit during one of the last major dogfighting air wars in modern history.

Winning the Oil Endgame - 2004-01-01

Offers a coherent strategy for ending oil dependence, starting with the United States but applicable worldwide. There are many analyses of the oil problem. This synthesis is the first roadmap of the oil solution, one led by business for profit, not dictated by government for reasons of ideology. This roadmap is independent, peer-reviewed, written for business and military leaders, and co-funded by the Pentagon. It combines innovative technologies and new business models with uncommon public policies: market-oriented without taxes, innovation-driven without mandates, not dependent on major (if any) national legislation, and designed to support, not distort, business logic.

The Ultimate Sniper - Major John Plaster

2006-01-01

Through revised text, new photos, specialised

illustrations, updated charts and additional information sidebars, *The Ultimate Sniper* once again thoroughly details the three great skill areas of sniping; marksmanship, fieldcraft and tactics.

U.S. Marines In Vietnam: Fighting The North Vietnamese, 1967 - Maj. Gary L. Telfer

2016-08-09

This is the fourth volume in an operational and chronological series covering the U.S. Marine Corps' participation in the Vietnam War. This volume details the change in focus of the III Marine Amphibious Force (III MAF), which fought in South Vietnam's northernmost corps area, I Corps. This volume, like its predecessors, concentrates on the ground war in I Corps and III MAF's perspective of the Vietnam War as an entity. It also covers the Marine Corps participation in the advisory effort, the operations of the two Special Landing Forces of the U.S. Navy's Seventh Fleet, and the services of Marines with the staff of the U.S. Military

Assistance Command, Vietnam. There are additional chapters on supporting arms and logistics, and a discussion of the Marine role in Vietnam in relation to the overall American effort.

Ju 87 Stuka vs Royal Navy Carriers - Robert Forsyth 2021-07-22

Ju 87 dive-bombers, originally developed for pinpointing bombing missions against land targets and Allied naval vessels were deployed by both the Luftwaffe and the Regia Aeronautica against the Allied forces. Included in such a target were perhaps the greatest prize of all for a Stuka pilot: a British aircraft carrier. This superbly illustrated book looks at the duel between the Ju 87 Stuka and the aircraft carriers of the Royal Navy. Despite their gun protection ('pompoms') and their squadrons of fighters, these immense and mighty vessels proved irresistible targets to determined and experienced Stuka aces as they endeavoured to stop British naval intervention in the campaigns

in Norway, Malta and Crete. By 1941, the Ju 87 had become known by the British as a fearsome aircraft following its operations in France, specifically at Dunkirk, as well as in the Balkans. For the Luftwaffe, it was an aircraft in which they still had great confidence despite its mauling in the Battle of Britain during the summer of 1940. This book examines the key attributes and shortcomings of both aircraft and carrier by analysing various compelling episodes including the dramatic attacks on Ark Royal by Stukageschwader (St.G) 1 off Norway in April 1940, the strikes by the Luftwaffe's St.G 1, St.G 2 and the Regia Aeronautica's 237° Squadriglia against *Illustrious* in Malta harbour. Aside from outstanding photography and artwork, this volume also includes numerous personal accounts from Stuka crews, the pilots of carrier-borne fighters opposing them and the sailors embarked in the various carriers that came under attack.

M1 Abrams vs T-72 Ural - Zaloga Steven J. 2010

European-Russian Space Cooperation - Brian Harvey 2021-04-10

The story of European-Russian collaboration in space is little known and its importance all too often understated. Because France was the principal interlocutor between these nations, such cooperation did not receive the attention it deserved in English-language literature. This book rectifies that history, showing how Russia and Europe forged a successful partnership that has continued to the present day. Space writer Brian Harvey provides an in-depth picture of how this European-Russian relationship evolved and what factors—scientific, political and industrial—propelled it over the decades. The history begins in the cold war period with the first collaborative ventures between the Soviet Union and European countries, primarily France, followed later by Germany and other European countries. Next, the chapters turn to the missions when European astronauts flew to Russian space stations, the Soyuz rocket made a

new home in European territory in the South American jungle and science missions were flown to study deep space. Their climax is the joint mission to explore Mars, called ExoMars, which has already sent a mission to Mars. Through this close examination of these European-Russian efforts, readers will appreciate an altogether new perspective on the history of space exploration, no longer defined by competition, but rather by collaboration and cooperation.

Seeing Like a State - James C. Scott 2020-03-17
“One of the most profound and illuminating studies of this century to have been published in recent decades.”—John Gray, New York Times Book Review Hailed as “a magisterial critique of top-down social planning” by the New York Times, this essential work analyzes disasters from Russia to Tanzania to uncover why states so often fail—sometimes catastrophically—in grand efforts to engineer their society or their environment, and uncovers the conditions

common to all such planning disasters.
“Beautifully written, this book calls into sharp relief the nature of the world we now inhabit.”—New Yorker “A tour de force.”—Charles Tilly, Columbia University

The Scientific Revolution - Steven Shapin
2018-11-05

“There was no such thing as the Scientific Revolution, and this is a book about it.” With this provocative and apparently paradoxical claim, Steven Shapin begins his bold, vibrant exploration of the origins of the modern scientific worldview, now updated with a new bibliographic essay featuring the latest scholarship. “An excellent book.”—Anthony Gottlieb, New York Times Book Review “Timely and highly readable. . . . A book which every scientist curious about our predecessors should read.”—Trevor Pinch, New Scientist “Shapin's account is informed, nuanced, and articulated with clarity. . . . This is not to attack or devalue science but to reveal its richness as the human

endeavor that it most surely is. . . . Shapin's book is an impressive achievement.”—David C. Lindberg, Science “It's hard to believe that there could be a more accessible, informed or concise account. . . . The Scientific Revolution should be a set text in all the disciplines. And in all the indisciplines, too.”—Adam Phillips, London Review of Books

Arab Armour vs Israeli Armour - Chris McNab
2021-04-15

The Six-Day War in 1967 was a lightning Israeli campaign that changed the face of the Middle East. Israel's armoured brigades, despite being heavily outnumbered on paper by Arab AFVs, managed to dominate the Arab forces tactically and technologically, through excellent gunnery and decentralized battlefield leadership. The fighting took place on three different fronts: the Sinai Front, the Jordanian Front and the Golan Heights. Each presented its own unique set of tactical and terrain challenges, from the long-range battles between massed Egyptian and

Israeli armour in the scorching flatlands of the Sinai Desert, to relatively close-quarters engagements across steep and narrow terrain in the Golan Heights. Not only did the Six-Day War see the direct clash of opposing Cold War tactical approaches, but also the direct confrontation of Western and Soviet MBTs. On the Israeli side, the IDF had the British Centurion, the American M48 Patton, the M51 Super Sherman, and the French AMX-13, although they focused their armoured spearheads on the Centurions and Pattons. The Arabs' armoured power was expressed through T-34/85s, T-54/55s, PT-76s and JS-3s (IS-3s). Each vehicle brought its own set of advantages and disadvantages, although ultimately it was the long-range tank-killing gunnery of the Centurion that often took the day. Drawing on compelling first-hand accounts from both unit commanders and individual crews, this Duel title explains the tactical and mechanical dynamics of one of history's greatest post-war armoured

engagements.

USAF F-105 Thunderchief vs VPAF MiG-17 -

Peter E. Davies 2019-07-25

The F-105D Thunderchief was originally designed as a low-altitude nuclear strike aircraft, but the outbreak of the Vietnam War led to it being used instead as the USAF's primary conventional striker against the exceptionally well-defended targets in North Vietnam and Laos. F-105 crews conducted long-distance missions from bases in Thailand, refuelling in flight several times and carrying heavy external bombloads. The MiG-17 was the lightweight, highly manoeuvrable defending fighter it encountered most often in 1965-68 during Operation Rolling Thunder. A development of the MiG-15, which shocked UN forces during the Korean War, its emphasis was on simplicity and ease of maintenance in potentially primitive conditions. Fully illustrated with stunning artwork, this book shows how these two aircraft, totally different in design and purpose, fought in

a series of duels that cost both sides dearly.

Crossing the Rubicon - Michael C. Ruppert

2004-09-15

The acclaimed investigative reporter and author of *Confronting Collapse* examines the global forces that led to 9/11 in this provocative exposé. The attacks of September 11, 2001 were accomplished through an amazing orchestration of logistics and personnel. *Crossing the Rubicon* examines how such a conspiracy was possible through an interdisciplinary analysis of petroleum, geopolitics, narco-traffic, intelligence and militarism—without which 9/11 cannot be understood. In reality, 9/11 and the resulting "War on Terror" are parts of a massive authoritarian response to an emerging economic crisis of unprecedented scale. Peak Oil—the beginning of the end for our industrial civilization—is driving the elites of American power to implement unthinkably draconian measures of repression, warfare and population control. *Crossing the Rubicon* is more than a

story of corruption and greed. It is a map of the perilous terrain through which we are all now making our way.

Satellite Technology - Anil K. Maini 2014-03-31

Fully updated edition of the comprehensive, single-source reference on satellite technology and its applications. Covering both the technology and its applications, *Satellite Technology* is a concise reference on satellites for commercial, scientific and military purposes. The book explains satellite technology fully, beginning by offering an introduction to the fundamentals, before covering orbits and trajectories, launch and in-orbit operations, hardware, communication techniques, multiple access techniques, and link design fundamentals. This new edition also includes comprehensive chapters on *Satellite Networks* and *Satellite Technology - Emerging Trends*. Providing a complete survey of applications, from remote sensing and military uses, to navigational and scientific applications, the

authors also present an inclusive compendium on satellites and satellite launch vehicles. Filled with diagrams and illustrations, this book serves as an ideal introduction for those new to the topic, as well as a reference point for professionals. Fully updated edition of the comprehensive, single-source reference on satellite technology and its applications - remote sensing, weather, navigation, scientific, and military - including new chapters on Satellite Networks and Satellite Technology - Emerging Trends Covers the full range of satellite applications in remote sensing, meteorology, the military, navigation and science, and communications, including satellite-to-under sea communication, satellite cell-phones, and global Xpress system of INMARSAT The cross-disciplinary coverage makes the book an essential reference book for professionals, R&D scientists and students at post graduate level Companion website provides a complete compendium on satellites and satellite launch

vehicles An ideal introduction for Professionals and R&D scientists in the field. Engineering Students. Cross disciplinary information for engineers and technical managers.

P-40E Warhawk vs A6M2 Zero-sen - Peter Ingman 2020-06-25

The P-40E Warhawk is often viewed as one of the less successful American fighter designs of World War II, but in 1942 the aircraft was all that was available to the USAAC in-theatre. Units equipped with the aircraft were duly forced into combat against the deadly A6M2 Zero-sen, which had already earned itself a near-mythical reputation following its exploits over China and Pearl Harbor. During an eight-month period in 1942, an extended air campaign was fought out between the two fighters for air superiority over the Javanese and then northern Australian skies. During this time, the P-40Es and the Zero-sens regularly clashed without interference from other fighter types. In respect to losses, the Japanese 'won' these engagements,

for many more P-40Es were shot down than Zero-sens. However, the American Warhawks provided a potent deterrent that forced the IJNAF to attack from high altitudes, where crews' bombing efficiency was much poorer. Fully illustrated throughout, and supported by rare and previously unpublished photographs, this book draws on both American and Japanese sources to tell the full story of the clashes between these iconic two fighters in Darwin and the East Indies.

German Flak Defences vs Allied Heavy Bombers

- Donald Nijboer 2019-10-31

Since the end of World War II, the strategic bombing of Germany has inspired numerous studies, countless books and several documentary films, and it is not surprising. With more than one million tons of bombs dropped, close to 300,000 civilians killed, 700,000 wounded and in excess of 3,500,000 industrial and residential structures destroyed, the Allied bomber offensive was industrial war on a grand

scale. The air battle that raged over Germany has often been described as a battle between Allied and German fighters but what has been frequently missed by historians on all sides is the impact of German anti-aircraft defences (flak). Though often dismissed as ineffective and a waste of valuable material and personnel, the German flak arm made a major contribution to the defence of the Third Reich - at least half of the American aircraft shot down over Germany fell to flak, and according to the RAF Official History, it was estimated that flak accounted for 1229 of 3302 aircraft lost by Bomber Command between 1942 and April 1945. Additionally, the strategic role of flak extended beyond simply shooting down aircraft - its other, more important task was to force bombers to drop their ordnance sooner or from a higher altitude, thus reducing bombing accuracy. Both these roles are explored in depth in this detailed study of the German flak defences and of their adversaries, the Allied heavy bombers.

Containing full-colour illustrations including cockpit scenes and armament views, this is the definitive guide to the much-overlooked conflict between Allied planes and German anti-aircraft defences.

M1A2 Abrams Main Battle Tank 1993-2018

- Steven J. Zaloga 2019-03-21

Since the Gulf War, the Abrams tank has undergone a transformation, while fighting in conflicts across the world. Its M1A1 and M1A2 variants have seen great improvements made to this iconic tank, including in fire-control, armour protection, and thermal imaging technology. Involvement in the conflicts in Iraq and Afghanistan necessitated a number of upgrades and modifications as the United States fought two of its longest wars. Recent years have seen new variants of the series such as the ABV Assault Breacher Vehicle and M104 Wolverine Heavy Assault Bridge. Over the past few decades, the M1A1 Abrams has also been extensively exported and is license produced in

Egypt. The long-awaited follow-up to *NVG 2 M1 Abrams Main Battle Tank 1982-92* (1993), this fully illustrated study examines the Abrams tanks' last quarter-century of service with both the United States and its various foreign operators with a focus on its combat history.

Al-Jazeera and US War Coverage - Tal Samuel-Azran 2010

"Ever since its launch over a decade ago, Al-Jazeera has influenced broadcast journalism globally and transformed the Arab television news sphere. Its coverage of wars and conflicts in the region has earned the pan-Arabic news network many admirers and a few powerful adversaries, as Tal Samuel-Azran's book ably demonstrates. This is an empirically strong contribution to the literature on the politics of global news."---Daya Thussu, Professor of International Communication, University of Westminster, London --Book Jacket.

Energiya-Buran - Bart Hendrickx 2007-12-05

This absorbing book describes the long

development of the Soviet space shuttle system, its infrastructure and the space agency's plans to follow up the first historic unmanned mission. The book includes comparisons with the American shuttle system and offers accounts of the Soviet test pilots chosen for training to fly the system, and the operational, political and engineering problems that finally sealed the fate of Buran and ultimately of NASA's Shuttle fleet.

The Russian Way of War - Department of Department of the Army 2019-07-17

PRINTED IN COLOR - The Russian Way of War - Force Structure, Tactics, and Modernization of the Russian Ground Forces Published by the U.S. Army Training and Doctrine Command G2's Foreign Military Studies Office in 2016, this book picks up where the FM 100-2 series left off and discusses Russian military structure, capabilities, and future development. Includes July 2019 BONUS materials on the following:
*1K17 Szhatie (1K17 Сжатие) Russian "Stiletto" Laser Tank *Combat Laser System (Peresvet)

Russian Laser Cannon *T-14 Armata Main Battle Tank *T-15 Heavy Infantry Combat Vehicle *Kurganets-25 Light Tracked Armored Vehicle *2S35 Koalitsiya-SV 152-mm Self-Propelled Howitzer *VPK-7829 Bumerang Modular Infantry Wheeled Fighting Vehicle Why buy a book you can download for free? We print the paperback 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 documents found on the web are missing some pages or the image quality is so poor, they are difficult to read. 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 bound paperback from Amazon.com This book includes original commentary which is copyright

material. Note that government documents are in the public domain. We print these paperbacks as a service so you don't have to. The books are compact, tightly-bound paperback, full-size (8 1/2 by 11 inches), with large text and glossy covers. 4th Watch Publishing Co. is a SDVOB. <https://usgovpub.com>

American Guided Missiles of World War II -

Steven J. Zaloga 2020-06-25

World War II was a significant period of development for American missile programs, during which time the US built pioneering examples of guided weapons systems. However, whilst the German missiles of World War II are famous around the world, their American counterparts have remained shrouded in secrecy, despite the fact that they formed the basis for the later revolutions in precision warfare. Among the most sophisticated missiles of World War II was the US Navy's radar-guided Bat anti-ship missile, which was on the verge of deployment in the final months of the war. The

war also saw the first use of guided assault drones, including the US Army Air Force's Aphrodite program of 1944, and the US Navy's Project Anvil and TDR-1. This book draws back the veil on these weapons, examining the principal avenues of missile development in America during World War II, including the early glide bombs, radio-controlled bombs and electro-optically controlled bombs. Some of the more peculiar efforts, such as the "Bat bomb" and pigeon-guided bombs, are also explored. The text is supported by specially commissioned, full-colour artwork and diagrams.

T-90 Standard Tank - Steven J. Zaloga
2018-02-22

A highly illustrated study of the T-90, the backbone of the armoured units of Putin's Russia. In the wake of the T-72 tank's poor performance in the 1991 Gulf War, the Kremlin instructed the Russian tank industry to drop the discredited T-72 designation in favour of the T-90 Vladimir. The T-90 was in fact a further

evolution of the T-72 family, but the name change represented an important break in Russian/Soviet tank design history. The T-90 has become the principal export tank of Russia, and is in service in large numbers in many countries including Algeria, India, and many of the former Soviet republics. Using detailed illustrations and full colour artwork, this book also describes the evolution of the T-90's many failed successors including the little known Bokser, Molot, and T-95, as well as its likely successor, the new T-14 Armata, and the wide range of specialized vehicles based on the T-90 chassis such as the formidable Terminator tank support vehicle.

Solar Energy and Shelter Design - Bruce Anderson 1973

M60 vs T-62 - Lon Nordeen 2013-05-20

Designed for the battlefields of Europe at the height of the Cold War, the M60 and T-62 were the premier combat tanks of their day. However, it was in the deserts of the Middle East that they

finally met in battle. This new Duel title examines the design and development of these main battle tanks, identifying their strengths and weaknesses, and describing and analyzing their performance on the battlefield during the Yom Kippur War, the Iran-Iraq War, and the first Gulf War.

Bradley vs BMP - Mike Guardia 2016-07-28

In the mid-1960s, the Soviet Union unveiled the BMP, the first true infantry fighting vehicle. A revolutionary design, the BMP marked a significant departure from the traditional armoured personnel carrier, with a lower silhouette and heavier armament than rival APCs. One of the most fearsome light-armoured vehicles of its day, it caused great consternation on the other side of the Iron Curtain as the Americans scrambled to design a machine to rival the BMP. The result was the M2/M3 Bradley. These Cold War icons first clashed - not on the plains of Europe, but in southern Iraq during the Gulf War of 1991. Featuring specially

commissioned full-colour artwork, this is the absorbing story of the origins, development and combat performance of the BMP and Bradley, culminating in the bloody battles of the Gulf War.

The Central Intelligence Agency and Overhead Reconnaissance - Gregory Pedlow 2016-03-15
The CIA's 2013 release of its book *The Central Intelligence Agency and Overhead Reconnaissance 1954-1974* is a fascinating and important historical document. It contains a significant amount of newly declassified material with respect to the U-2 and Oxcart programs, including names of pilots; codenames and cryptonyms; locations, funding, and cover arrangements; electronic countermeasures equipment; cooperation with foreign governments; and overflights of the Soviet Union, Cuba, China, and other countries. Originally published with a Secret/No Foreign Dissemination classification, this detailed study describes not only the program's technological

and bureaucratic aspects, but also its political and international context, including the difficult choices faced by President Eisenhower in authorizing overflights of the Soviet Union and the controversy surrounding the shoot down there of U-2 pilot Francis Gary Powers in 1960. The authors discuss the origins of the U-2, its top-secret testing, its specially designed high-altitude cameras and complex life-support systems, and even the possible use of poison capsules by its pilots, if captured. They call attention to the crucial importance of the U-2 in the gathering of strategic and tactical intelligence, as well as the controversies that the program unleashed. Finally, they discuss the CIA's development of a successor to the U-2, the Oxcart, which became the world's most technologically advanced aircraft. For the first time, the more complete 2013 release of this historical text is available in a professionally typeset format, supplemented with higher quality photographs that will bring alive these

incredible aircraft and the story of their development and use by the CIA. This edition also includes a new preface by author Gregory W. Pedlow and a foreword by Chris Pocock. Skyhorse Publishing, as well as our Arcade imprint, are proud to publish a broad range of books for readers interested in history--books about World War II, the Third Reich, Hitler and his henchmen, the JFK assassination, conspiracies, the American Civil War, the American Revolution, gladiators, Vikings, ancient Rome, medieval times, the old West, and much more. While not every title we publish becomes a New York Times bestseller or a national bestseller, we are committed to books on subjects that are sometimes overlooked and to authors whose work might not otherwise find a home.

M1 Abrams vs T-72 Ural - Steven J. Zaloga
2011-01-01

The Gulf War bore witness to a number of deadly encounters between these two great

adversaries. Heavily armoured, highly mobile and capable of killing at over 2500m the M1 Abrams is, to this day, a veritable fighting machine. Superior to both Iraq's Soviet era T-55 and T-62 tanks, nearly all sources claim that no Abrams tank has ever been destroyed by enemy fire. Despite entering service in 1980, the M1 Abrams remained untested in combat until the Gulf War in 1991, where it was to be confronted by its archenemy the Iraqi-assembled Soviet-designed T-72. Entering production in 1971, the T-72 arguably outstripped its contemporaries in a balance of mobility, protection and firepower. By the time of Operation Desert Storm, however, the tables had turned and the tank suffered due to low quality ammunition and poorly trained crews. In this fascinating study, Steven Zaloga pits these two great fighting machines against one another, plotting the development of the Cold War until both tanks met in combat in the deserts of Iraq and Kuwait.

RAF Fighters vs Luftwaffe Bombers - Andy

Saunders 2020-11-26

The Battle of Britain was a fight for survival against a seemingly unstoppable foe. With the German army poised to invade, only the fighters of the Royal Air Force stood between Hitler and the conquest of Britain. Losses were high on both sides, but the Spitfires, Hurricanes, Havocs and Defiants of the RAF began to take their toll on the overextended, under-protected Kampfgruppen of Heinkel He 111s, Junkers Ju 87s and 88s, and Dornier Do 17s. Both sides learned and adapted as the campaign went on. As the advantage began to shift from the Luftwaffe to the RAF, the Germans were forced to switch from round-the-clock bombing to only launching night-raids, often hitting civilian targets in the dreaded Blitz. This beautifully illustrated study dissects the tactics and technology of the duels in this new kind of war, bringing the reader into the cockpits of the RAF fighters and Luftwaffe bombers to show precisely where the Battle of Britain was won

and lost.

Spitfire II/V vs Bf 109F - Tony Holmes

2017-02-23

With stunning artwork and detailed analysis, this volume provides a pilot's view of the dramatic clashes between these two legendary fighters, as some of the most gifted and 'big name' aces of World War II went head to head in the skies of North-West Europe. As the Battle of Britain approached its conclusion, two new versions of the famous Spitfire and Messerschmitt Bf 109 arrived on the scene. The RAF could see that the Luftwaffe were stepping down their incursions into British airspace, and went on to the offensive. The Spitfire Mark II, and increasingly the Mark V, would fly over the picturesque English channel in fighter sweeps, or to escort vulnerable Blenheim bombers - waiting for them was the Bf 109F 'Friedrich'. Yet despite the reversal of offensive and defensive dispositions, and despite the Luftwaffe deploying the bulk of their fighter strength to the Eastern Front in

1941, the Jagdflieger were able to inflict severe losses on their RAF counterparts.

Panzerjäger vs KV-1 - Robert Forczyk

2012-10-20

On the Soviet side, based upon lessons from the Spanish Civil War, the Red Army decided to develop a heavy “breakthrough” tank to smash enemy infantry defenses. This resulted in the KV-1 and KV-2 tanks, introduced in 1939. At the start of Operation Barbarossa, both these tanks were virtually invulnerable to the weapons of the

Panzerjäger and demonstrated their ability to overrun German infantry on several occasions. This advantage gave the Red Army a window of opportunity between the fall of 1941 and the spring of 1942 to use their heavy tanks to repel the German invasion in a series of desperate counteroffensives. Yet the window of Soviet advantage was a narrow one and the duel between the Soviet KV heavy tanks and German Panzerjäger had a major impact upon the struggle for the strategic initiative in 1941-42.