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 Air Defence Artillery in Combat, 1972 to the Present

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ALYSON BECKER

Decisive Force Bloomsbury Publishing

"The impact of the M1 tank cannot be overstated; while applying lessons learned from mistakes of the past, this new tank defined tanks and armored warfare for the foreseeable future. It redefined how the U.S. Army thought, planned, trained, and fought. The M1 carried the army into an order-of-magnitude change that ran the gamut of ground warfare. The speed that the army moved across the battlefield was increased, the methods used to supply this faster-moving force were redefined and mastered, the methods used to provide supporting fire from artillery and close-air-support aircraft were redefined and mastered, and the decision-making process used by the leadership at virtually all levels was accelerated. For the first time in history, the U.S. Army had the best tank in the world. The M1 Abrams became the yardstick for foreign countries potential enemies, and friends alike, to measure the capabilities of their own tanks ... the M1 embodied what arguably may be the ultimate balance of the three classic tank design criteria - firepower, mobility, and protection"--Introduction.

USN McDonnell Douglas F-4 Phantom II Trafalgar Square Books

This photographic history of the Soviet-Afghan War of 1979 to 1989 gives a fascinating insight into a grim conflict that prefigured the American-led

campaign in that country. In an unequal struggle, the mujahedeen resisted for ten years, then triumphed over Moscow. For the Soviet Union, the futile intervention has been compared to the similar humiliation suffered by the United States in Vietnam. For the Afghans the victory was just one episode in the long history of their efforts to free their territory from the interference of foreign powers. By focusing on the Soviet use of heavy weaponry, Anthony Tucker-Jones shows the imbalance at the heart of a conflict in which the mechanized, industrial might of a super power was set against lightly armed partisans who became experts in infiltration tactics and ambushes. His work is a visual record of the tactics and the equipment the Soviets used to counter the resistance and protect vulnerable convoys. It also shows what this grueling conflict was like for the Soviet soldiers, the guerrilla fighters and the Afghan population, and it puts the present war in Afghanistan in a thought-provoking historical perspective.

Team Yankee Aerofax S.

The Tactical Aviation branch (FA-Frontovaya aviatsiya) has always occupied an important place in the structure of the Soviet, and subsequently Russian, Air Force. In the 20-odd post-Soviet years the Russian Air Force has been repeatedly reformed and in the course of the reforms the importance of Tactical Aviation has risen. The brief military conflict with Georgia in August 2008 highlighted poor organization of operations and in 2009 the customary air armies, air divisions and air regiments were replaced by aviation bases. Much importance has attached to fleet renewal and upgrading of the Russian Tactical Aviation capability. The Su-35S 'Generation 4++' single-seat fighter is entering full-scale production and service. Deliveries of single-seat Su-27SM3 (a mid-life update) and two-seat Su-30SM and Su-30M2 multi-role fighters are also underway. The Beriyev A-50

AWACS aircraft, which supports the Tactical Aviation's air defense role, are also being updated. Production and deliveries of the Su-34 tactical bomber are continuing and for want of a next-generation attack aircraft, the Russian Air Force is continuing to upgrade its Su-25 fleet--the latest Su-25SM3 is now in service. Much attention has been paid to combat training. Exercises are being held more frequently than in the 1990s and in-flight refuelling of various aircraft, including tactical bombers, is practiced on a much wider scale than before, as are long-range flights by groups of fighters. The book, companion to the highly successful Soviet Tactical Aviation, illustrates the current state of the Russian Air Force's tactical aviation as well as its recent history in various overseas conflicts. Details are given of the aviation bases (units), their locations and the principal types currently in service. Russian Tactical Aviation is illustrated throughout with many previously unpublished photos, including air-to-air shots during recent Russian Force exercises, as well as color profiles of Russian tactical aircraft and helicopters operated by various aviation bases.

The Soviet-Afghan War Bloomsbury Publishing

This is the definitive reference source examining all aspects of one of the most powerful air forces in the world, the Chinese. Although China has been a significant air power for more than fifty years, very little has been published or even known about its capabilities. Along with the recent emergence of China as a world economic and military superpower, China has recently invested huge sums of money in modernizing its air force, developing its own aircraft and technology as well as buying from overseas. This remarkable new book unveils for the very first time, the full details of the organization, capabilities, and aircraft of all Chinese air forces - the third largest in the world today. It details the Chinese air force's order of battle, from the top command down to the operational regiments and squadrons. It also includes descriptions and specifications of the Air Force and the NSavy main fixed-wing and rotary-wing aircraft.

The Sukhoi Su-27 Strategic Book Publishing

"Something whooshed down directly at the San Francisco-to-Oakland Bay Bridge; but the subsequent explosion on the upper deck was heard throughout cities around the bay, as the sound bounced between hills and across canyons and water. A thick column of black smoke rose high in the air over the bay from Yerba Buena Island, and flames could be seen amid the wreckage of both decks by nearby residents. Vehicles screeched their brakes, crashed into each other, and even went into the water below. There followed a brief but unforgettable television message: 'To the people of San Francisco and the Bay Area. At this moment, you are all hostages. My hostages'... " So begins the terrifying tale of a city held hostage and plunged into panic. As a group of unknown persons attacks from San Francisco's highest ground, and threatens even more, law enforcement and politicians scramble to contain the threat. But they don't reckon on the genius and precision planning of the man who controls of The High Ground.

Russia's Warplanes Rowman & Littlefield

Detailed coverage of the Sukhoi Su-25, one of the most well-known and popular Russian combat aircraft types.

Air Force Magazine Bloomsbury Publishing

As early as 1979, Soviet aircraft designers started work on a program called I-90, a fighter for the 1990s. Two Soviet aircraft design bureaus took on the task, Mikoyan and Sukhoi. Work began in 1983 but with the dissolution of the Soviet Union the project stalled. In 2002 the Russian government kicked off a new program under which Sukhoi began development of what was then known as PAK FA (Future Tactical Aviation Aircraft System). Known in house as the T-50, this aircraft strongly resembled the American F-22 Raptor in overall appearance. The first prototype took to the air on January 29, 2010 and in 2017 the fighter was allocated the service designation Su-57. In 2018 the aircraft had its combat debut when four of the prototypes were briefly deployed to Syria during the Russian campaign against the IS terror network in that country. Production was officially launched in May 2019, with the Russian Air Force having 70-plus on order. This work charts the development and trials history of the 1.44, Su-47 and Su-57, as well as other project versions that did not make it to the hardware stage. It is illustrated with numerous previously unpublished photos and drawings.

United States Army Aviation Digest Casemate

Originally designed as a carrier-borne long-range interceptor armed with radar-guided missiles and tasked with defence against missile-launching bombers, the Phantom II went on to establish itself as one of the most important multi-role fighter, attack and reconnaissance aircraft of the 20th century. Arguably the United States' most important aircraft in the Vietnam War, where it played the role of workhorse as well as being a deadly MiG interceptor, the Phantom was also a mainstay of Atlantic Fleet operations ? intercepting Soviet bomber and reconnaissance aircraft and turning them away from the carrier groups at the height of the Cold War. This book reveals the design and development history of the naval Phantom, its variants and the exported designs adopted by other NATO countries. Packed with illustrations, photographs and first-hand accounts, it provides a technical history of one of the most famous aircraft ever built.

Mikoyan-Gurevich MiG-21 Voyageur Press (MN)

With its distinctive double-cockpit design, the Mi-24 'Hind' is arguably the most recognizable war machine of the Cold War, and has achieved near-legendary status in the annals of military history. The first Soviet helicopter to function as both a gunship and an assault transport, it served extensively in Afghanistan, and is now employed by militaries across the world. Written by an expert on the 'Hind', an drawing on manufacturing and military sources, this book presents the Mi-24 in all of its brutal glory, from design and development to deployment and combat. Also included are a number of color plates showing the distinct paint schemes employed by various nations in a range of theaters/ theatres and for different armies.

Sukhoi Su-25 Frogfoot Titan Comics

Following the success of the first offering in the series, Harpia Publishing presents the second volume of Russia's Warplanes, completing what has become a standard reference work on the subject. Once again researched and written by the acknowledged expert in the field, the book draws upon the author's unrivaled connections within the Russian aerospace industry to conclude this comprehensive directory of the country's latest military aviation hardware. The result forms an essential companion to Volume 1, which detailed tactical combat aircraft, attack and transport helicopters, reconnaissance and surveillance aircraft, and special mission aircraft including airborne command posts and relay aircraft. Between them, the two works present in full detail the fixed-wing aircraft and helicopters that equip the various Russian air arms, as well as those developed for and operated by foreign states in the post-Soviet era. Alongside technical descriptions for each military aircraft - and every significant sub-variant - currently

available from Russia's aerospace industry, or otherwise in large-scale service, Piotr Butowski provides historical background and accurate data relating to production and operators around the world. Full coverage is extended to upgrades, as well as the new avionics and advanced weapons that these introduce. The second volume in the series is dedicated to long-range bombers - including the Tu-95MS and Tu-160 that recently made their combat debuts over Syria - maritime patrol and antisubmarine warfare aircraft, strategic transport and tanker aircraft, theater transports, and trainers. The work provides authoritative accounts of Russia's current and future strategic bomber programs, as well as other fascinating types including the world's largest military transport, the An-124, and the new-generation Yak-130 advanced trainer and light attack aircraft. In common with previous Harpia titles, the book contains a wealth of high-quality photographs, many of which have never previously been published.

Chinese Aircraft Schiffer Military History

Shrouded in secrecy, output from the Chinese aviation industry was, until recently, largely unknown in the West. This first-ever book on Chinese military aircraft offers comprehensive insight into the Chinese aviation industry, including secret projects and China's aircraft in overseas service.

Provides a full description of all aircraft types including the Shaanxi Y8, the Chengdu JF-17 (FC-1) light fighter, which is now entering service with the Pakistan Air Force, the Shenyang J-10, and the KJ-2000 AWACS aircraft based on the Il'yushin IL-76. Numerous color profiles and three-view drawings are also included, along with the logos of production enterprises and design institutions. Virtually every photograph is previously unpublished outside of China.

MiG-21 Units of the Vietnam War Bloomsbury Publishing

Having honed their piloting skills on the subsonic MiG-17 and transonic MiG-19, the Vietnamese Peoples' Air Force (VPAF) received their first examples of the legendary MiG-21 supersonic fighter in 1966. Soon thrown into combat over North Vietnam, the guided-missile equipped MiG-21 proved a deadly opponent for the USAF, Navy and Marine Corps crews striking at targets deep into communist territory. Most of the VPAF's 12+ acs scored their bulk of their kills in the MiG-21, which was then the best fighter produced by Russia's premier fast jet manufacturer, Mikoyan Gurevich. Well over 200 MiG-21s were supplied to the VPAF, and the numerous models and the schemes they wore are chronicled in great detail in this unique volume.

Air University Library Index to Military Periodicals Crowood Press UK

The Su-25 ground attack aircraft made its first flight on February 22, 1972. After five years of tests the aircraft reached its definitive configuration with new engines, a revised airframe and new armament, entering certification trials which were completed in 1981. A year earlier, however, the initial production Su-25 had received its baptism of fire in the Afghan War. Gradually the Su-25 became the progenitor of a family. The Su-25UB combat trainer came first; the single-seater and two-seater were also built for export as the Su-25K/Su-25UBK. A new line of development began in 1979 with a series of single-seat 'tank buster' variants based on the Su-25UB's airframe but featuring more advanced sighting systems and weapons. The first of these was the Su-25T of 1984, followed by Su-25TM (Su-39) of 1993 making the Su-25 in the end the sole Russian light attack aircraft. The Su-25 has been widely exported, serving with air forces in Europe, Asia, the Middle East, Africa and South America. Apart from the Afghan War, it has seen action in Iraq, Angola, Congo, Eritrea, Ethiopia, Macedonia, Côte d'Ivoire, Sudan and in conflicts between the former Soviet republics. More recently the Frogfoot has been used in the Russian participation in the civil war in Syria War. The book describes the full development and service history of the Su-25, featuring fleet lists and a design descriptions. It is illustrated throughout with numerous photos and color profiles.

Sukhoi Su-25 Frogfoot Casemate

This revised and updated edition of the classic Cold War novel Team Yankee reminds us once again might have occurred had the United States and its Allies taken on the Russians in Europe, had cooler geopolitical heads not prevailed. For 45 years after World War II, East and West stood on the brink of war. When Nazi Germany was destroyed, it was evident that Russian tank armies had become supreme in Europe, but only in counterpart to US air power. In 1945 US and UK bombers sent a signal to the advancing Russians at Dresden to beware of what the Allies could do. Likewise when the Russians overran Berlin they sent a signal to the Allies what their land armies could accomplish. Thankfully the tense standoff continued on either side of the Iron Curtain for nearly half a century. During those years, however, the Allies beefed up their ground capability, while the Soviets increased their air capability, even as the new jet and missile age began (thanks much to captured German scientists on both sides). The focal point of conflict remained central Germany—specifically the flat plains of the Fulda Gap—through which the Russians could pour all the way to the Channel if the Allies proved unprepared (or unable) to stop them. Team Yankee posits a conflict that never happened, but which very well might have, and for which both sides prepared for decades. This former New York Times bestseller by Harold Coyle, now revised and expanded, presents a glimpse of what it would have been like for the Allied soldiers who would have had to meet a relentless onslaught of Soviet and Warsaw Pact divisions. It takes the view of a US tank commander, who is vastly outnumbered during the initial onslaught, as the Russians pull out all the cards learned in their successful war against Germany. Meantime Western Europe has to speculate behind its thin screen of armor whether the New World can once again assemble its main forces—or willpower—to rescue the bastions of democracy in time.

Sukhoi Su-25 Frogfoot Springer

Fascinating, informative and insightful, A Century of Aviation: Worldwide Commercial and Military offers a comprehensive overview of the development of aircraft for over 100 years. With an emphasis on the war periods, from World War I through the present, this is a book that is required reading for any fan of flying. The rich history and inventive advancements in the world of aviation comes alive in this thoroughly enjoyable volume. George E. Slagley, P.E. (Retired) grew up on a farm in Clay County, Illinois and currently resides in Greenville, Alabama. He spent four years in the Navy as an aircraft mechanic on two Aircraft Carriers. He also served in the Navy Reserve for eight years as a Flight Engineer. Mr. Slagley joined the Army, first as a technician, and then received his degree in Aircraft Maintenance Engineering, which converted his position to Supervisory General Engineer. Mr. Slagley graduated from Parks College of St Louis University in December 1969 with a BS and a MBA from Webster University in 1976. He received certification as a Professional Engineer (P.E.) from California.He was a past President of the Alabama Society of Professional Engineers, The TRADOC Professional Engineer of the Year in 1984, and the Alabama Professional Engineer Of the Year 1993/1994. Mr. Slagley spent ten years as an Aerospace Engineer, Technical Advisor (Consultant) at Ft. Rucker, Alabama, and then spent nine years in a business at Dothan, AL where he received The Who's Who in the World certification. http: //sbpra.com/GeorgeESlagle

A Century of Aviation Bloomsbury Publishing

Walk-around and action photography of the Su-25.

[Sukhoi Su-27 & 30/33/34/35: Famous Russian Aircraft](#) Bloomsbury Publishing

Originally conceived as a replacement for the famous MiG-21, changing priorities turned the MiG-23 into a STOL fighter with variable-geometry wings that first flew in June 1967. After two years of testing, the aircraft, codename Flogger, entered service in 1969. From then on development of the Flogger proceeded along two parallel lines originally as a fighter/interceptor with a two-seat trainer variant and later as a fighter/bomber which evolved into the MiG-27 used by the Soviet Air Force. This, in turn, was progressively improved as the MiG-27D/MiG-27M and the MiG-27K. The MiG-23 family was widely exported. New aircraft were supplied to the Soviet Union's Warsaw Pact allies and selected nations in the Middle East, Africa and Asia. Later, second-hand machines were sold from CIS stocks to various parts of the world, which allowed the MiG-23 to remain active abroad longer than in Russia where single-engined combat jets had been phased out in 1997. The Flogger saw a good deal of action. Soviet MiG-23MLDs were actively used in the Afghan War; elsewhere, the fighter variants saw action in Syria (both in against Israel in the 1970s and in the Syrian Civil War), Libya, Iraq, Angola and Sudan. The fighter-bombers also fought in Afghanistan, Iraq, Libya and Sri Lanka. This comprehensive book describes the development and service history of all variants of these aircraft, featuring fleet lists and numerous rare photos and color profiles.

[Sukhoi Su-25 Frogfoot Air World](#)

This new IISS Strategic Dossier examines the recent development of Moscow's armed forces and military capabilities. It analyses the aspirations underpinning Russia's military reform programme and its successes as well as its failures. The book also provides insights into Russia's operational use of its armed forces, including in the intervention in Syria, the goals and results of recent state armament programmes, and the trajectory of future developments. This full-colour volume includes more than 50 graphics, maps and charts and over 70 images, and contains chapters on: Russia's armed forces since the end of the Cold War Strategic forces Ground forces Naval forces Aerospace forces Russia's approach to military decision-making and joint operations Economics and industry At a time when Russia's relations with many of its neighbours are increasingly strained, and amid renewed concern about the risk of an armed clash, this dossier is essential reading for understanding the state, capabilities and future of Russia's

armed forces.

[Secrets of the Cold War](#) Hikoki Publications Limited

This volume details the technical features and operational performance of the Soviet Su-25 'Frogfoot', which proved itself as a durable and versatile attack aircraft in a variety of theatres such as Afghanistan, Georgia and Ossetia. Today it is widely accepted as the true successor to the types of specialised ground-attack aircraft that emerged during World War II. This book illuminates the service history of the 'Frogfoot' in over 30 years of combat using first-hand accounts and revealing archive photographs. The awkward-looking Su-25 has often been underrated, but the faithful 'Frogfoot' is now slated to remain in service with most of its current operators across the globe until at least 2020. This study explores the successes of the 'Frogfoot' in full, demonstrating its strengths as a formidably armed, armoured and very agile attack aircraft.

[Visual Aircraft Recognition](#) Midland Publishing

The dramatic story of how the superpowers collected secrets and used intelligence to build an advantage during the Cold War, the longest and most dangerous confrontation of the twentieth century. The Cold War, which lasted from the end of the Second World War to the collapse of the Soviet Union in 1991, was fought mostly in the shadows, with the superpowers maneuvering for strategic advantage in an anticipated global armed confrontation that thankfully never happened. How did the intelligence organizations of the major world powers go about their work? What advantages were they looking for? Did they succeed? By examining some of the famous, infamous, or lesser-known intelligence operations from both sides of the Iron Curtain, this book explains how the superpowers went about gathering intelligence on each other, examines the type of information they were looking for, what they did with it, and how it enabled them to stay one step ahead of the opposition. Possession of these secrets threatened a Third World War, but also helped keep the peace for more than four decades. With access to previously unreleased material, the author explores how the intelligence organizations, both civilian and military, took advantage of rapid developments in technology, and how they adapted to the changing threat. The book describes the epic scale of some of these operations, the surprising connections between them, and how they contributed to a complex multi-layered intelligence jigsaw which drove decision making at the highest level. On top of all the tradecraft, gadgets and 'cloak and dagger', the book also looks at the human side of espionage: their ideologies and motivations, the winners and losers, and the immense courage and frequent betrayal of those whose lives were touched by the Secrets of the Cold War.

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