

## Afterburners: Air War

*They are America's best fighter pilots -- from the Navy, Air Force, and Marines. Heroes who push the envelope with their machines, their bodies, and the will to fight and win on their... WINGS OF FURY Here, these airborne warriors reveal themselves as never before. Ride shotgun with TOPGUN pilot Dale "Snort" Snodgrass as he becomes the first student pilot ever to land an F-14 Tomcat on an aircraft carrier. Silver Star winner Rob Graeter recalls a Cold War close call as he flew his F-15 Eagle over Soviet waters -- almost triggering World War III. Feel the adrenaline as Brian "Rocky" Fitzpatrick remembers test-flying the F/A-18 Hornet when it suddenly went haywire, leaving him with a crippled plane, a faulty parachute -- and a very long way down.... From the training grounds of Miramar to combat in Vietnam and Desert Storm, these are the stories of those who defend our skies -- and the dramatic evolution of modern air warfare.*

*Now, for the first time, an insider's look at an Air Force combat wing -- the planes, the technology, and the people . . . with Tom Clancy as your guide. Tom Clancy's previous explorations of America's armed forces, Submarine and Armored Cav, revealed exclusive, never-before-seen information an the people and technology that protect our nation. Now, the acclaimed author of Clear and Present Danger and Debt of Honor takes to the skies with the U. S. Air Force's elite: the Fighter Wing. With his compelling style and unerring eye for detail, Clancy captures the thrill of takeoff, the drama of the dogfight, and the relentless dangers our fighter pilots face every day of their lives . . . showing readers what it really means to be the best of the best. Fighter Wing includes: Detailed analyses of the Air Force's premier fighter planes, including the F-15 Eagle Exclusive photographs, illustrations, and diagrams An insider's look at the people behind the planes and weapons Combat strategies and training techniques used by the U. S. Air Force*

*Photographs and text provide information on the airplanes of the United States Air Force.*

*Fighter pilots have perhaps the most dangerous job of all pilots - engaging other aircraft in order to shoot them down, or flying over enemy territory to drop bombs. Ultimately, a fighter jet is no more than a weapons platform, and the pilot must be better than his or her rivals in using these weapons. This exciting book will examine what it takes to become a fighter pilot; what the job is like; the jets and equipment required; and what it's like to fly at twice the speed of sound in pursuit of an enemy.*

*Once We Were Aces*

*Fantastic Press Out Fighter Planes*

*Former Military High-Performance Aircraft*

*Fighter Wing*

*Six Day War 1967*

*Popular Mechanics*

Examines the 1984 "war" that pitted Pratt and Whitney against GE in head-to-head competition for multi billion dollar defense contracts to provide high performance engines for front line fighter aircraft. The circumstances surrounding the lengthy battle led to the Air Force decision to split future engine sales between the two. Attempts to cut through emotional opinions of the "combatants," to report reality, and to identify lessons learned. Helps the reader to understand the government-to-contractor personality issues; to understand management styles, business expectations and communication skills of key participants.

From the Preface: This book was required. As a former professor of military history at the American Military University (AMU) and a retired USAF Colonel, I wanted to teach a course on the effects of fighter aviation in war. In addition, I wanted to create a course that was a "hands-on" approach to fighter aviation history. Having flown USAF fighters for more than 20 years, I felt I had a good working knowledge of fighter aviation, but when I researched the subject I found I would have to ask my students to read scores of books to provide the background they would need. There was no "single-source" book that covered everything I wanted to cover. I determined to write that book. I wanted to write a straightforward book in plain language that would not bore fighter pilots and at the same time that would be simple enough to be attractive to laymen as well as air power historians. That is what I have done, I have covered some detailed thoughts about fighter flying in what Southern Americans might call "biscuits and gravy" language. The overriding premise of the text, is that the fighter has been the key element in the air power equation and continues in that role today although this role may be changing with the advent of good, reliable, beyond visual range air-to-air missiles. This view has not been universally held over the years; however, it is a view that has been held by fighter pilots since the advent of the fighter. More and more historians are beginning to support this view. Table of Contents: World War I; Fighter Development Between Wars; The Air Wars Between World Wars; Fighter Development In World War II; The Korean War; The Fighter In The Vietnam War; The Arab-Israeli Wars; The India-Pakistani Conflicts; The Air War In The Falklands; Soviet Experience In Afghanistan; The Persian Gulf War; The Future; Summary And Conclusions.; Appendices Definitions.

Although the opposing forces of the Six Day War were both flying comparable third-generation Mach 2 jet fighters, the pilots were trained to different standards, and were expected to utilize different tactics. Using the latest research, first-hand accounts, and specially commissioned artwork, Shlomo Aloni tells the dramatic story of the dogfights in the skies over the Middle East.

Read what military pilots have to say about flying some of the most incredible fighting aircraft ever built. "It's like a \$20 million strap on carnival ride." - AH-64 Apache Pilot "I had high expectations, and it's beat eery one of those. The whole jet is awesome." - F/A-18F Super Hornet pilot. The role of the pilot has changed hugely in the last sixty years of military aviation . Jet pilots in the 1960s, flying types such as the Harrier and F-102, would have spent a huge portion of their concentration just keeping the aircraft under control. That left little spare mental capacity to locate and engage the enemy. Today, the opposite is true. Computers have made flying so simple that it is now considered very easy to fly the SAAB Gripen or Lockheed Martin F-35 Lightning II, allowing the pilot to focus fully on his or her mission. G-Force Flying the World's Greatest Aircraft is a celebration of the experience of flying some of aviation's most spectacular, powerful, and dangerous machines, from early jet fighters such as the F-86 Sabre and MiG-15 to today's F-22 Raptor and Eurofighter Typhoon. Packed with first-hand interviews with test and combat pilots from the world's air forces, and illustrated with extensively researched and striking imagery, G-Force Flying the World's Greatest Aircraft is thrilling ride alongside the pilots who fly the aircraft every day. Featuring first-hand accounts of combat over Korea in the MiG-15, endurance missions in the B-2, and bombing Iraqi targets in the Tornado, this book puts the reader directly in the pilot's seat, and will appeal to aviation enthusiasts of all ages.

Wings of Fury

F15 Eagle

365 Aircraft You Must Fly

Hot Wings of Desert Storm

F-100 Super Sabre at War

Wings

An introduction to fighter planes.

This book, in two volumes, attempts to explain the technology developments that evolved in the period from 1900 at Kitty Hawk through the ensuing seventy-five years leading to the development of the United States F-16 Multinational Weapon System in the mid-1970s. By 2017, 4,550 F-16s, all with the first all-electric, fly-by-wire flight control system have been manufactured for use by twenty-six countries. Awestricken birds undoubtedly ask themselves, How do humans do that? as an F-16 streaks by at over two hundred times the airspeed of the bird. This book strives to provide the how-and-why answer to that fascinating story.

Hair-raising descriptions of aerial combat as seen from the cockpit of a fighter jet Thoughtful reflections on what it meant to fly in Vietnam As the Vietnam War raged thousands of miles away, Mike McCarthy completed his flight training in the United States, eager to get into the war and afraid it would end before he could participate. He needn't have worried. By 1967, he was flying his F-4 Phantom II fighter with the U.S. Air Force's 433rd Tactical Fighter Squadron, also known as Satan's Angels. Before his tour ended, McCarthy completed 124 missions during his intense air war over North Vietnam and Laos and earned the Distinguished Flying Cross. His memoir recreates the horror and exhilaration of air combat.

Military history looking at aviators during the second half of Vietnam. The stories are told through interviews and journal excerpts of the pilots and aircrew themselves. Great tradey title.

Naval Aviators and the Vietnam War, 1968-1972

Wings That Stay on

Intense Stories of Valiant Crews Flying the Legendary F-4 Phantom II in the Vietnam Air War

An American Fighter Pilot in Vietnam

Civil Airworthiness Certification

Soviet Cold War Fighters

The Vietnam War placed unexpected demands upon American military forces and equipment.The principal US naval fighter, the McDonnell F-4 Phantom, had originally been designed to defend the Fleet from air attack at long range. However, its tremendous power and bomb-carrying capacity made it an obvious candidate for the attack mission in Vietnam from 1965 onwards. Its opponent was the MiG-17, a direct descendant of the MiG-15, which had given USAF Sabre jets a hard fight in the Korean War. This book brings to life their dangerous duels and includes detailed cockpit views and other specially commissioned artwork to highlight the benefits and shortcomings of each plane type. It was in the skies over Vietnam that many of the techniques of air combat evolved as pilots learned how to use and to defeat supersonic fighters for the first time.

Designed for readers from grade 6 and up, this lavishly illustrated set provides comprehensive coverage of the history of aviation, including space flight, as well as the science and technology on which it depends. Detailed A-Z entries trace the development of human flight from ancient myths and legends through today's space exploration, highlighting scientific discoveries and innovations that made aviation possible."IFlight and Motion" also celebrates the contributions and achievements of the pioneers and visionaries of air and space flight, from inventors and innovators to pilots, astronauts, and cosmonauts. Detailed illustrated diagrams give readers a general understanding of the mechanics of flight and of the physics and technology involved. The set also highlights key air and spacecrafts that have made a unique mark in the history of flight. It features more than 500 full-color and black-and-white photos and illustrations, and also includes a timeline, a listing of museums and exhibits, further reading lists, a comprehensive glossary, and general and subject indexes.

Describes the principles and techniques of contemporary fighter plane combat as it has developed since the Vietnam War, including maneuvering, using pulse-Doppler radar, and training with computerized simulations

The fascinating history of one man's rise from naval flight officer toHollywood hero.

Vietnam 1965–73

Air Combat Maneuvers for Home Computer Simulators

First Hand Accounts from the Pilots who Flew Them in Action

Air Force Magazine

Air Combat

Afterburners

Information and pictures of fighter planes from around the world such as the F-14 Tomcat and the F/A-18 Hornet that were used in the Persian Gulf War.

"Eloquent... An uplifting, heart-rending, and terrifyingly real account of frontline air combat. A first-rate military memoir." – David Eastman, US Army retired and author. In this true story, Robert Stanek delivers a raw and unforgettable narrative, revealing what it `s like to be in war waged from the skies above. Day by day, step by step, he brings readers into the secretive world of combat fliers, and tells the story of the men and women who flew dangerous combat missions during the largest air war of the 20th century. Experience the extraordinary events through the author `s firsthand accounts. This astonishingly detailed chronicle of remarkable lives living through extraordinary times is a testament to the triumphant power of the human spirit over adversity. "Quickly becomes hard to put down... gives over to an adrenalin rush of anticipation... impossible not to share the relief and pride of the individual crew members..." – The Journal of Electronic Defense "Candid and fast-paced like the best combat memoirs, Stanek focuses on the men and women he flew with, telling their stories as well as his own and creating what is ultimately an inspiring and uplifting story of the human spirit challenged by the agony and terror of war."

America's Secret MiG Squadrons is the story of a group of incredibly brave military pioneers who put their lives on the line to establish a training program that would prepare the US Air Force for a potential Cold War battle with Soviet aircraft. As a F-4 Phantom II pilot in Vietnam, Col. Peck had been shocked by the technological abilities of Soviet-built aircraft, and at the poor level of training available to US pilots to aid them in their battles with Soviet MiGs in the skies over Vietnam. Working with the support of Gen Hoyt S. Vandenberg, Jr., and under conditions of extreme secrecy, the CONSTANT PEG program was launched with Peck as the original Red Eagle. This is the fascinating history of the men who trained to fly and maintain covertly obtained MiGs, for the first time providing an insider's perspective, personal anecdotes, and photographs, revealing how Peck battled bureaucracy and scepticism to ultimately establish the premier fighter pilot training center – the real Top Gun.

Helps you recreate four well known planes such as the Spitfire and the Tornado. This work also enables you learn from the accompanying aeronautical history.

A Guided Tour of an Air Force Combat Wing

Red Eagles

Air War: The Incredible True Story of the Combat Flyers. Episodes 1, 2, 3, & 4

Microfacts

Flight and Motion

Naval Aviators and the Vietnam War

***Although the F-4 Phantom II was the most important fighter-bomber to see action with all three American services during the Vietnam War, it was essentially a U.S. Navy design, and the carrier-borne squadron crews were its main operators in combat. The aircraft pioneered the use of long-range, radar-guided missiles in combat, although the majority of its Vietnam missions involved ground-attack with a variety of innovative ordnance. From 1968 to 1973 the Phantom II was the standard U.S. Navy fighter in Southeast Asia, having replaced several other types. Its performance and versatility enabled it to perform a variety of different missions, and switch roles as necessary, in the assault on some of the world's most heavily defended territory. Including detailed colour profiles and first-person commentary from active participants in the F-4's naval combat history, this is a detailed study of the U.S. armed services' most famous post-war fighter.***

***From the mid-1960s until the end of the Cold War, the United States Air Force acquired and flew Russian-made MiG jets, eventually creating a secret squadron dedicated to exposing American fighter pilots to enemy MiGs. In this program, MiGs were secretly acquired and made air-worthy, before selected ace pilots were trained to fly the assets as they were flown by America's enemies. This book tells the fascinating story of the Red Eagles, using recently declassified information and firsthand accounts from the pilots who took part in the program.***

***As the ground war struggled for success in Vietnam, it became intensely clear that the skies had to be owned by the allies for victory to have a chance. It was the F-4 and its pilots that made that possible. The author, a Phantom pilot himself, details intense stories of undaunted and valiant American pilots with their legendary fierce Phantom. These are personal stories of intrepid courage and self-sacrifice to get the mission done - whatever the cost. Fearless, unflinching battles to save friendlies and destroy a ruthless enemy are all recorded 40 years later. True tales of war at 500 knots!***

***The MiG-21 (NATO reporting name Fishbed) firmly holds the title of the world's most widely built and used jet fighter, with more than 10,000 units rolling off the lines of three plants in the former Soviet Union. The type was also built under license in India and Czechslovakia, and without license in China until the late 2000s. Designed as a Mach-2 light tactical fighter, its original prototype, the Ye-6/1, was first flown in 1958. The first production variant of the type, designated the MiG-21F, appeared in 1960 and its improved sub-variant, the MiG-21F-13 (Type 74, NATO reporting name Fishbed-C), was made available for export by 1961. It was a simplified daytime short-range, clear-weather interceptor and tactical fighter.***

***The Air Force and the Great Engine War***

***USN F-4 Phantom II vs VPAF MiG-17/19***

***Jet Fighters***

***Phantom Reflections***

***Inside History of the Usaf Lightweight Fighters, 1900 to 1975***

***Warriors at 500 Knots***

In this engaging and informative approach to modern aircraft, readers take a look inside all the advances in military aircraft technology since World War II, including fighter planes from the United States, NATO, Russia, and more. With detailed diagrams of cockpits, engines, and weapons systems, this book gives readers an up-close and personal view of several impressive aircraft.

Including the F-15E Strike Eagle, which can travel at over 1,900 miles per hour (3,060 km/h) – more than twice the speed of sound! Dynamic visuals and accessible text offer opportunities to explore both social studies and STEM concepts through this high-interest subject matter.

AfterburnerNaval Aviators and the Vietnam WarNJU Press

"Takes a new look at the most expensive and controversial part of America's long involvement in Southeast Asia: the air war. More than half of the #200 billion the United States spent in Vietnam went to air operations. The United States dropped over 8 million tons of bombs on Vietnam, Laos, and Cambodia between 1965 and 1968, and lost over 8,500 aircraft in the process. Yet, for all this investment, air power, while occasionally influential, was never decisive. America lost the war despite dropping more than 8 million tons of bombs on Southeast Asia ..."--Prologue.

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

From Vietnam to the Gulf War the Astonishing True

US Navy F-4 Phantom II Units of the Vietnam War 1969-73

Dogfighting, Cheating Death, and Hollywood Glory as One of America's Best Fighter Jocks

Afterburner

Mirage III vs MiG-21

Modern Military Aircraft

During my tenure with the Marine Corps Air Wing, and later, I often thought of what would have been the outcome, if during the Vietnam War, Marines fighter pilots were afforded the opportunity of air to air engagements as they were during World War I and II and the Korean War. Had that opportunity been realized, Marines may have very well been the first air Aces of the war. The Vietnam War had an impact that fueled the political revolution of the nineteen sixties and impacted our world of today. Those who made such an impact were those so affectionately referred to as the baby boomers. Some of these were men in their early twenties were taught to fly state of the art fighter aircraft and deliver bombs, rockets and napalm on the North Vietnamese and Viet Cong enemy. None more so than pilots and Flight officers of the United States Marine Corps Air Wing. I often recall a quote from President Ronald Reagan as he described Marines during a speech in 1985. "Some people spend an entire lifetime wondering if they've made a difference. The Marines don't have that problem."

A fascinating, entertaining, and amusing plane-by-plane journey through aviation history. Aviation has come a long way since the Wright Brothers built their glider in Kitty Hawk, North Carolina, in 1903. From among the thousands of different types of military and commercial aircraft constructed over the past 100 years , aviation expert Robert F. Dorr profiles the most important, fascinating, and famous aircraft ever made. Your opinions might differ, but you wouldn't want to miss out on the planes Dorr identifies as flights of a lifetime. The book covers 365 of the most iconic aircraft in world history that enthusiasts, serious-minded hobbyists, and casual fans would love to fly if given the chance. Clear photography, historical context, and specs get you as close as possible to these planes without setting foot in a hangar. While covering every era of aviation history, many of the planes in 365 Aircraft You Must Fly were flown during World War II, a time unmatched in aviation for its technological advances, romance, and clarity of purpose. During this golden age of flying, propellers gave way to jet engines, and the "Greatest Generation" fought gallantly in them. Explore the history, thrills, and joy of flying the world's most amazing 365 aircraft.

Beautifully illustrated with many rare and unpublished photographs, Soviet Cold War Fighters looks at the main development periods of Soviet fighter designs and covers all the important features and developments for each - a total of four generations of fighter were developed from the late 1940s to the early 1980s - that witnessed the most iconic and powerful fighters such as the legendary MiG-15, MiG-21, Tu-128, Su-9, MiG-23, MiG-25 reach for the skies, followed by the modern day MiG-29, MiG-31 and Su-27, which strike fear in the West for their phenomenal weaponry and blistering performance. All aircraft are described in detail with facts and figures, including their weapons and instances of combat employment, as well as explaining how the Cold War drastically changed Soviet fighter design to counter the West. Researched and written by Alexander Mladenov, a leading aviation journalist, this is a highly detailed testament to leading Soviet fighter design and development.

This publication provides safety information and guidance to those involved in the certification, operation, and maintenance of high-performance former military aircraft to help assess and mitigate safety hazards and risk factors for the aircraft within the context provided by Title 49 United States Code (49 U.S.C.) and Title 14 Code of Federal Regulations (14 CFR), and associated FAA policies. Specific models include: A-37 Dragonfly, A-4 Skyhawk, F-86 Sabre, F-100 Super Sabre, F-104 Starfighter, OV-1 Mohawk, T-2 Buckeye, T-33 Shooting Star, T-38 Talon, Alpha Jet, BAC 167 Strikemaster, Hawker Hunter, L-39 Albatros, MB-326, MB-339, ME-262, MiG-17 Fresco, MiG-21 Fishbed, MiG-23 Flogger, MiG-29 Fulcrum, S-211. DISTRIBUTION: Unclassified; Publicly Available; Unlimited. COPYRIGHT: Graphic sources: Contains materials copyrighted by other individuals. Copyrighted materials are used with permission. Permission granted for this document only. Where applicable, the proper license(s) (i.e., GFD) or use requirements (i.e., citation only) are applied.

G-Force: Flying the World's Greatest Aircraft

America's Secret MiG Squadron

Topgun Days

Fighter Pilots

Mikoyan-Gurevich MiG-21

Explores This Extremely Fast And Highly Maneuverable Fight Jet That Is Designed For Air Superiority And Is A Combination Of Speed, Range, Weaponry, And Avionics.

Jet Fighter School

Fighter Planes Up Close

The History and Science of Flying

America `s Secret MiGs

Technical Abstract Bulletin

The Red Eagles of Project CONSTANT PEG