



First Soviet Jet Bombers

Yefim Gordon



First Soviet Jet Bombers:

First Soviet Jet Bombers Yefim Gordon, 2004 As World War II drew to a close the Soviet government was well aware that today's allies would soon be tomorrow's adversaries. This meant new bombers had to be developed for dealing strikes at the potential adversaries' military and political centers. Having gained access to German jet aircraft technology and the men behind it, in 1945 the Soviet Union put them to good use when developing its own jet bombers. The first jet bomber to fly in the USSR was the Junkers EF131. Built in 1946 it was based on the unconventional forward swept wing Ju 287 V2 which had been captured in incomplete form. This was followed by the EF140 a similar FSW design differing in powerplant and the equally unusual T-tailed bicycle gear aircraft 150 developed by Bruno Baade which was ultimately rejected in favor of the Tupolev Tu 16. The first wholly indigenous Soviet jet bomber came from the Ilyushin design bureau; it was the four-engined IL 22 of 1947. Other experimental Ilyushin bombers, the IL 30, IL 46 and IL 54, which lost out to competing designs, are described in this book, as are the Tupolev aircraft 77, aircraft 82 and the aircraft 72, 73, 78 series which culminated in the Tu 14 twinjet bomber built on a small scale mainly for the Soviet Navy.

Early Jet Bombers, 1944-1954 Leo Marriott, 2020-01-19 The author of *Early Jet Fighters 1944-1954* turns his attention to jet bombers in another stunning pictorial history. Don't miss out on this one! IPMS USA Using over 200 archive photographs, Leo Marriott gives us a powerful portrait of the first decade in the development of the jet bomber. This was a time of intense technical innovation that transformed the design and capabilities of the bomber and gave birth to a range of classic military aircraft in the USA, Great Britain, France and the Soviet Union. The photographs take the story from the earliest jet bombers constructed in Germany toward the end of the Second World War to the successful designs both sides depended on through the first phase of the Cold War. The pace of development was rapid and remarkable, from initial prototypes built in Germany, the Arado 234 and the Junkers Ju 287, to the fleets of advanced jet bombers like the British Canberra and V bombers, the American B 47 and B 52 and the Soviet Il 28 Beagle and Tu 16 Badger. The images of the prototypes give a fascinating insight into the extraordinary technical challenges and the ambition and inventiveness of the designers and manufacturers who overcame them. Excellent coverage of a lesser-known aspect of airpower development, the wealth of photos makes it enjoyable and interesting.

Early Jet Fighters, 1944-1954 Leo Marriott, 2020-03-30 A clearly written, profusely illustrated and well-organized volume on Soviet and European jet fighter design. Air Power History In his previous book on early jet fighters, Leo Marriott traced the history of the revolutionary aircraft produced by the British and Americans immediately after the Second World War. Now in this companion volume, he describes jet fighter development on the continent of Europe and in the Soviet Union during the same remarkable period. Using over 200 archive photographs, he covers the pioneering German designs, then the range of experimental and operational fighters constructed by the Soviets, the French and the Swedes. The sheer variety of the designs that manufacturers came up with during this short, intense period of innovation make for fascinating reading. Several of the

most famous jet fighters feature prominently in the rare photographs and are analyzed in the expert text including the Messerschmitt Me 262 the Heinkel He 162 the MiGs 15 17 and 19 the Dassault Ouragan and the Saab J29 But perhaps the most rewarding aspect of the book is its record of experimental projects testing new concepts that rapidly became established elements of jet aircraft design The photographs of these largely forgotten aircraft give us an insight into the extraordinary technical challenges and the ambition and inventiveness of the designers and manufacturers who overcame them *Soviet Aircraft Industry* Peter G Dancey, 2017-04-22 Soviet aircraft industry was an essential part of the USSR's campaign for global dominance in the twentieth century Thanks to the thick fog of secrecy that enveloped it throughout the Cold War it has long inspired the fascination of analysts and enthusiasts in the West until the collapse of the USSR in 1991 details of Soviet aircraft were often a matter of conjecture This book aims to uncover fully the mystery surrounding this topic Drawing on original and previously unpublished information obtained directly from the former USSR *Soviet Aircraft Industry* examines the unique characteristics of Soviet designed aircraft particularly military types which were the cause of great concern to the West Further by virtue of the industry's central role throughout Soviet history this book provides a rare and important perspective into the broader theme of Russia's great communist experiment **The Aircraft Flash**, 1954

Russian Aviation and Air Power in the Twentieth Century John Greenwood, Von Hardesty, Robin Higham, 2014-06-11 In the light of new archival material the editors take a fresh look at Russian aviation in the twentieth century Presenting a comprehensive view of Russian aviation from its genesis in the late czarist period to the present era the approach is essentially chronological with a major emphasis on the evolution of military aviation The contributions are diverse with appropriate attention to civilian and institutional themes Congressional Record United States. Congress, 1961 The Congressional Record is the official record of the proceedings and debates of the United States Congress It is published daily when Congress is in session The Congressional Record began publication in 1873 Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States 1789 1824 the Register of Debates in Congress 1824 1837 and the Congressional Globe 1833 1873 *Bulletin of the Atomic Scientists*, 1984-02

Commanders Digest, 1978 China's Aerospace Strategy, 2013-02-15 China has emerged as a major regional power and has clear aspirations to be a global power in the not too distant future Comprehensive military modernisation programs sustained economic scientific and technological developments have substantially elevated China's international profile For the past three decades China has been modernising its strategic weaponry and enhancing the capabilities of its nuclear warheads It has also been developing new and complex military platforms that would be of great value to joint operations warfare The decade from 2011 through 2020 will prove critical to the PLA as it attempts to integrate many new and complex platforms and to adopt modern operational concepts including network centric warfare China's air force is in the midst of a transformation A decade ago it was an antiquated service equipped almost exclusively with weapons based on 1950s era

Soviet designs and operated by personnel with questionable training according to outdated employment concepts Today the PLAAF appears to be on its way to becoming a modern highly capable air force for the 21st century The PLA Air Force has continued expanding its inventory of long range advanced SAM systems and now possesses one of the largest such forces in the world The January 2011 flight test of China s next generation fighter prototype the J 20 highlights China s ambition to produce a fighter aircraft that incorporates stealth attributes advanced avionics and super cruise capable engines over the next several years China is upgrading its B 6 bomber fleet with a new longer range variant that will be armed with a new long range cruise missile China s aviation industry is developing several types of airborne early warning and control system AWACS aircraft These include the KJ 200 based on the Y 8 airframe for AWACS as well as intelligence collection and maritime surveillance and the KJ 2000 based on a modified Russian IL 76 airframe China can decisively defeat India in any nuclear confrontation but is currently unable to match the IAF in any conventional conflict specifically along the border region of the Himalayas Also the IAF has greater experience than PLAAF in actual combat operations with its many conflicts India is gradually building powerful military capabilities in tune with its expanding geopolitical interests even as the eastern and western fronts are being strengthened to deter the twin Pakistan China threat IAF is on the path to transform into a true aerospace power with the capability to rapidly deploy and operate at great distances As for the two front challenge apart from progressively basing Sukhoi 30MKI fighters and missile squadrons in the two theatres the plan also includes upgrading the airfields and advanced landing grounds in the sectors in order to give both defensive and offensive options It is important for India to realise the relevance of Chinese achievements in space technologies and to critically view and analyse Chinese achievements in the area of manned space missions In order to achieve further success in the space arena developments in cryogenic technology are important for India These should be pursued in order to develop the capability of launching 4 5 ton satellites which will help in achieving a greater commercial edge Programmes like moon and mars missions using robotic technologies are also important in order to know more about the nature of resources especially minerals available on these bodies and undertaking their mining It is also important to work towards launching satellites for India s armed forces which will help gain an advantage over adversaries The book is an attempt to analyse the strategic importance of rising economic political and military stature of China with a view to understand its regional and global implications in a new world order As a rational actor in a chaotic world China will defend its security interests at all costs Besides undertaking a comprehensive modernisation of its armed forces China is developing a series of offensive space capabilities while advocating the peaceful use of outer space The book will be of immense value not only to the readers of the countries in the immediate neighbourhood of China but to the strategic community across the globe since rise of China and other major Asian players including India will shape the strategic international environment in the decades to come during this century It is hoped that the book will contribute to the understanding of the growing importance of integration of air and space and the fact that

aerospace has truly become the new theatre of war and thereby establishing a new milestone in mankind's history of warfare. The unifying space dimension will remain the single most important source for information and communication which can be used in multiple forms. Hence China's aerospace strategy and its implications for India assume greater military importance.

The Kremlin's Nuclear Sword Steven J. Zaloga, 2014-05-27 The prevailing Western view of Russia's Cold War strategic nuclear weapons policy is that it resulted from a two-part interplay between the leaders of the Communist Party and the military. Steven J. Zaloga has found that a third contributor, the Russian defense industry, also played a vital role. Drawing from elusive Russian source material and interviews with many proud Russian and Ukrainian engineers, Zaloga presents a definitive account of Russia's strategic forces: who built them and why. The book is the first in English to refer to the weapons by their actual Soviet names, providing the bedrock for future works. Helpful appendices list U.S., NATO, and other designations, and the illustrations provide clear visual references.

Russian Strategic Nuclear Forces Oleg Bukharin, Frank Von Hippel, 2004 A comprehensive databook of technical and institutional facts about the Soviet and Russian nuclear arsenal.

Soviet Military Review, 1983 *The Encyclopedia of the Cold War* Spencer C. Tucker, 2007-09-12 A comprehensive five-volume reference on the defining conflict of the second half of the 20th century, covering all aspects of the Cold War as it influenced events around the world. The conflict that dominated world events for nearly five decades is now captured in a multivolume work of unprecedented magnitude from a publisher widely acclaimed for its authoritative military and historical references. Under the direction of internationally known military historian Spencer C. Tucker, ABC-CLIO's *The Encyclopedia of the Cold War: A Political, Social, and Military History* offers the most current and comprehensive treatment ever published of the ideological conflict that not so long ago enveloped the globe. From the Second World War to the collapse of the Soviet Union, *The Encyclopedia of the Cold War* provides authoritative information on all military conflicts, battlefield and surveillance technologies, diplomatic initiatives, important individuals and organizations, national histories, economic developments, societal and cultural events, and more. The nearly 1,300 entries, plus topical essays and an extraordinarily rich documents volume, draw heavily on recently opened Russian, Eastern European, and Chinese archives. The work is a definitive cornerstone reference on one of the most important historical topics of our time.

Fighter Aircraft Since, 1945 Frank Schwede, 2017-11-30 The world's first jet engines were already available shortly before the end of the Second World War, but they had not been developed to a high enough standard to take part. This changed after 1945 when, on both sides of the Iron Curtain, one technological development surpassed the others and records tumbled almost every week. The era of the piston engine was finally over, and jet fighters now dominated the skies. By the mid-1950s, their speed had already reached double that of the speed of sound, an achievement which a few years earlier would have sounded to many like science fiction.

Soviet and East European Major Combat Aircraft Michael John Haddrick Taylor, 1990 In addition to those aircraft built in Eastern European nations for domestic use, export warplanes of the non-aligned nations are also described and

illustrated Descriptions are complimented by high quality three view drawings and large photographs assisting positive identification

The Military History of the Soviet Union F. Kagan,R. Higham,2016-04-30 The Military History of the Soviet Union and The Military History of Tsarist Russia treat Russian military history from the rise of the Muscovite state to the present even peeking briefly into the future The two volumes will cover Russia s land forces extensively but will also cover the development of the Russian Navy and the creation and development of the Russian Air Force parts of the Russian military machine which are frequently neglected in general writings The historical analysis will address the development and function of the Russian military whether in peace or in war as well as the impact of war and changes in the military upon Russian society and politics

Tupolev Paul Duffy,A. I. Kandalov,1996 This book focuses on the aircraft designs of the man often referred to as the father of Russian aviation Andrei Nikolaevich Tupolev Born in Russia in 1888 Tupolev went on to design aircraft that earned Russia worldwide acclaim for their contributions to aviation in the 1920s 30s and 40s

Department of Defense Appropriations for Fiscal Year ... United States. Congress. Senate. Committee on Appropriations,1961

A Military History of the Cold War, 1944-1962 Jonathan M. House,2014-04-28 The Cold War did not culminate in World War III as so many in the 1950s and 1960s feared yet it spawned a host of military engagements that affected millions of lives This book is the first comprehensive multinational overview of military affairs during the early Cold War beginning with conflicts during World War II in Warsaw Athens and Saigon and ending with the Cuban Missile Crisis A major theme of this account is the relationship between government policy and military preparedness and strategy Author Jonathan M House tells of generals engaging in policy confrontations with their governments political leaders among them Anthony Eden Nikita Khrushchev and John F Kennedy many of whom made military decisions that hamstrung their own political goals In the pressure cooker atmosphere of atomic preparedness politicians as well as soldiers seemed instinctively to prefer military solutions to political problems And national security policies had military implications that took on a life of their own The invasion of South Korea convinced European policy makers that effective deterrence and containment required building up and maintaining credible forces Desire to strengthen the North Atlantic alliance militarily accelerated the rearmament of West Germany and the drive for its sovereignty In addition to examining the major confrontations nuclear and conventional between Washington Moscow and Beijing including the crises over Berlin and Formosa House traces often overlooked military operations against the insurgencies of the era such as French efforts in Indochina and Algeria and British struggles in Malaya Kenya Cyprus and Aden Now more than fifty years after the events House describes understanding the origins and trajectory of the Cold War is as important as ever By the late 1950s the United States had sent forces to Vietnam and the Middle East setting the stage for future conflicts in both regions House s account of the complex relationship between diplomacy and military action directly relates to the insurgencies counterinsurgencies and confrontations that now occupy our attention across the globe

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