

Tupolev Tu 134a

Bill Gunston

Tupolev Tu-134 Dmitriï Komissarov, 2004 81/2 x 11, 260 color & b&w photos, The Tu-134, which has given sterling service for 35 years now, has played a major role in Soviet/Russian civil aviation. It was the first jet type operated the flag carriers of several nations allied with the Soviet Union. The Tu-134 has seen service in 42 countries in Europe, Southeast Asia, the Middle East, Africa and South America. Apart from passenger flights, its multifarious activities include VIP transportation, support of Air Force, Army and Navy headquarters and miscellaneous research and test work. The type has helped train thousands of military pilots and navigators for the Soviet Air Forces' tactical and long-range bomber components. Compiled from first-hand Russian sources, the book gives an account of the Tu-134 and the type's design, test and operational history. Every known version, including military and various test aircraft, is painstakingly described here. Detailed fleet lists are given of all known Tu-134 operators. The book features a full production list of more than 800 aircraft and accident details.

Tupolev Tu-114 Yefim Gordon, Vladimir Rigmant, 2007 In the early 1950s, OKB Tupolev, the Tupolev design bureau, was instructed by the Soviet government to design a civil airliner with an intercontinental range. Based upon the earlier four-engined Tu-95 strategic bomber, the resulting aircraft was the largest airliner constructed at that time, providing accommodation for up to 220 passengers. The Tu-144 confounded experts by being able to fly at speeds similar to those achieved by jet aircraft, while still using turboprop technology. The Tu-114 set a number of records, including the speed record for a turbo-prop aircraft that still stands 50 years later. A total of 31 Tu-114's entered service with Aeroflot, operating over long distance internal services and international services to cities from Tokyo to Havana. Gradually replaced from 1971, the last Tu-144 Aeroflot

service was withdrawn in 1975. However, a number of the Tu-114's were subsequently converted into AWACS aircraft as the Tu-126 Moss for operation in the Soviet navy.

Tupolev Tu-4 E. Gordon, Yefim Gordon, Dmitriy Komissarov, Vladimir Rigmant, 2014 After World War II, the Soviet Union and the USA, who had been allies in the war, started moving towards political and military confrontation. The Soviet Union urgently needed a strategic bomber capable of striking at the USA. Thus, the windfall of three battle-damaged B-29s forced to land in Soviet territory was most welcome. The Soviet Union kept them; a huge reverse-engineering effort ensued, resulting in a Soviet copy of the Superfortress (the Tu-4) and a major technology boost to the Soviet aircraft and avionics industries. From then on, the Soviet Superfortress evolved independently, some of the Tu-4 versions having no direct U.S. equivalent. These included the Tu-4K missile carrier, a wing-to-wing flight refueling tanker, and the Tu-4T transport. The Tu-4A was the first Soviet nuclear-capable bomber. Experimental versions included engine testbeds, a towed escort fighter program, and more. The book also describes the Tu-4's production and service history (including service in China--the only nation besides the USSR to operate the type) and touches on the Tu-4's transport derivatives, the Tu-70 airliner, and the Tu-75 military airlifter. The book is illustrated with many color side views and hitherto unpublished photographs.

Tupolev Tu-2 Jason Nicholas Moore, 2017-01-20

Tupolev Tu-144 E. Gordon, Yefim Gordon, Dmitriy Komissarov, Vladimir Rigmant, 2015 Developed in the 1960s/1970s, the Tu-144 was the Soviet Union's only practical venture into supersonic commercial aviation. Though its career was all too brief, it was a major technological achievement for the Soviet aircraft industry. The book provides in-depth coverage of the Concorde, including projected versions, the Tu-144's production and service history, and a comparison with the

Concorde. First flown on the last day of 1968 ahead of the Concorde the Tu-144 had to undergo a long gestation period before the production version entered service in November 1977. Unfortunately, its career proved to be brief; two accidents and a powerful anti-Tu-144 lobby caused the type to be withdrawn in May 1978. The book describes the Tu-144's versions (including the Tu-144LL research aircraft developed under a Russian-U.S. program) and touches on the projected military derivatives. It is illustrated with color side views and previously unpublished photographs. -- Publisher marketing.

Tupolev TU-22 Sergey Burdin, 2005-11-17 This historic Russian aircraft was first delivered to the Soviet Air Force at the height of the Cold War in 1961. It remained in service until replaced by the much modified Tu-22M Backfire which was introduced in the early 1970s and still remains in service. It was the first Soviet supersonic bomber and was used for reconnaissance and bombing, in the latter role carrying either conventional or nuclear bombs. The early aircraft had a range of 1,800 miles but later models had a much increased radius of action through the introduction of in-flight refuelling. This book looks at the design and development of the aircraft up to the introduction of the type M Backfire. Details of construction, weapon systems, photo-reconnaissance and jamming equipment are included to cover the several variant models. Operational use is explained and the text includes many first-hand accounts from Russian aircrew of the period. The book will be superbly illustrated by unique official photographs and manuals.

Tupolev Tu-4 Yefim Gordon, Vladimir Rigmant, 2002 The Tu-4 is identified as an example of the Soviets copying Western airplane designs. Three Boeing B-29s fell into Soviet hands at the end of World War II. This book shows the evolution of the Superfortress into the Tu-70 military transport and its airliner version, the Tu-75 and Tu-85 - the last of Tupolev's piston-engined bombers. Also

described are the various experimental versions, including the Burlaki towed fighter program, flight refueling tanker and missile carrier versions, and Chinese turboprop-powered AWACS and drone launcher conversions. Operational details include use for transport and paradropping, civil polar research, etc. The book includes many previously unpublished photographs as well as drawings of the rival 102 and 103 bombers designed by Myasishchev.

Tupolev Aircraft Since 1922 Bill Gunston, 1995 This popular and highly-acclaimed series includes an abundance of photos, accurate line drawings, fascinating evaluations of aircraft design, and complete histories of aircraft manufacturers.

World Airline Fleets, 1980 Günter G. Endres, 1980

Tupolev Tu-22M Yefim Gordon, 2004-03-24 - Covers the development and service history of the Tu-22M, first proposed to the Soviet government as a modification of the existing Tu-22 'Blinder' but later proving to have virtually nothing in common with the Blinder. - After the Soviet Union's demise, the type continued to be operated by Russia and the Ukraine. - Contains 200 black & white and color photos.

Tupolev TU-22/TU-22M Yefim Gordon, Sergey Komissarov, 2012-07-05 The Tupolev Tu-22 Blinder and Tu-22M Backfire led the Soviet Union's supersonic bomber air force from the 1960s, although the two aircraft were very different. The Tu-22—nicknamed Blinder by NATO—was the pioneering supersonic bomber in the USSR, entering production in 1960. The first Tu-22B aircraft entered Soviet service in 1962 and the aircraft continued into production until 1969 through several variants, including reconnaissance and electronic warfare versions. The aircraft was a mixed success as its performance compared unfavorably the Tu-16. It was also sold abroad to Libya and Iraq. The Tu-22M Backfire was developed by Tupolev during the 1960s when the Tu-22's shortcomings

became apparent. The variable-geometry wings in the new design improved performance considerably and the new aircraft entered service in 1972 in the strategic bomber role and it was used in this capacity in the 1979-1989 war against Afghanistan. Yefim's Gordon's unparalleled access to information on Russian aviation makes this the most complete book published on this fascinating aircraft.

Tupolev Tu-16 Yefim Gordon, Dmitriy Komissarov, Vladimir Rigmant, 2017-10-17 Developed to meet a Soviet Ministry of Defense requirement for a fast bomber that would counter the threat posed by NATO, the Tu-16 was a ground-breaking project. It was the first Soviet medium bomber to feature swept wings, and it was built around a pair of turbojets that were the world's most powerful jet engines at the time. First flown in 1952, the Tu-16 filled such roles as nuclear bomb delivery, missile strike, reconnaissance, and Electronic Counter Measures. It also served as the basis for the first Soviet jet airliner, the Tu-104. Nearly 1,500 were built for the Soviet Air Force and the Soviet Navy, and the Tu-16 showed remarkable longevity, the final examples being retired in 1993. The type saw quite a bit of combat--from the Six-Days War of 1967 to the Afghan War. The Tu-16 was also produced in China and remains in Chinese service to this day. All known versions are described, as is the Tu-16's operational career. The book features many hitherto unpublished photos.

Tupolev Tu-16 Badger Yefim Gordon, Vladimir Rigmant, 2004-06-21 The establishment of NATO posed the need for the Soviet war machine to create a fast jet bomber capable of reaching targets throughout Western Europe and combatting the carrier task forces with which the US Navy could throw its weight around the world. The basic Tu-16 which first flew in the mid-1950s was developed into nearly 50 versions adopted for various roles, including nuclear-capable bombers, anti-shipping missile strike aircraft, torpedo-bombers and minelayers, numerous reconnaissance and ECM

variants, assorted development aircraft for testing new engines, avionics and systems. The Tu-16 even found civil uses as a fast mailplane and a weather research/rainmaking aircraft! The Badger, as the bomber was known to the West, served as the basis for the Soviet Union's first jet airliner, the Tu-104. The nearly 1,500 Tu-16s built in the Soviet Union were an important factor in preventing all-out military confrontation between the East and the West. Since the mid-1950s and until the 1980s the Badger has been a regular picture on the pages of the Western press, snooping around Western naval groups every now and then. The type also had its share of 'hot' wars, getting its baptism of fire in the Six-Day War of 1967. Apart from three factories in the USSR, the Tu-16 was built under license in China as the H-6 and remains in service with the People's Liberation Army Air Force. Other foreign users were Egypt, Indonesia and Iraq. All known versions are described and a full account is given of the Tu-16's operational career in the USSR and abroad during the Cold War and in the days after that when many of the surviving Badgers were used as target drones. The book features many previously unpublished photos and a detailed production list.

Tupolev Tu-95/-142 Yefim Gordon, E. Gordon, 2004-03-24 - Covers the Tu-95 'Bear', a machine with impressive speed--unique in that it combined turboprop engines with swept wings. The aircraft quickly became a symbol of the Soviet threat. - This book covers the Bear's development and service from inception to present day--some of the Bear's versions remain in service today. - Contains approximately 200 black & white and color photos.

Tupolev Tu-95 and Tu-142 Yefim Gordon, Dmitriy Komissarov, 2018-02 First flown in 1952, the Tu-95--known to the western world as the Bear--had its share of teething troubles with a change of engine type being necessary before the aircraft could go into production. Eventually, however, it became the backbone of the Soviet strategic aviation, in spite of having a competitor in the shape of

the four-turbojet Myasishchev M-4 and its 3M series of derivatives. The Bear filled such roles as nuclear bomb delivery, cruise missile strike and long-range maritime reconnaissance. It later evolved into an anti-submarine warfare aircraft that was different enough to have a separate designation, Tu-142. Moreover, the Tu-95 also served as the basis for the first Soviet intercontinental airliner, the majestic Tu-114--which, in turn, evolved into the first Soviet AWACS, the Tu-126. More than 500 Tu-95s and Tu-142s were built for the Soviet Air Force and the Soviet Navy in over 50 versions. The final Tu-95MS missile carrier rolled off the assembly line in 1992 following the intervention of high-level politics. This book charts the Tu-95's development and service history from the 1950s to the present day, featuring fully revised and updated material. All known versions are described with detailed line drawings, color side views and many previously unpublished photos, to provide a comprehensive insight for modelers and historians alike.

Tupolev Tu-95/142 Yefim Gordon, Dmitriy Komissarov, 2009-07-16 Containing a lot of hitherto untold facts and shedding new light on the Tu-95's development history and service career, this book is certain to be extremely popular. Included are details of crucial target information and rare materials obtained in the course of many obscure missions. Beautifully illustrated throughout with numerous photos from the latest exercises, as well as vivid pictures of nose art and unit insignia, this is one not to be missed by aviation enthusiasts, particularly those with an interest in contemporary Russian aviation.

World Commercial Aircraft Accidents, 1946-1992 Chris Y. Kimura, 1993

Aviation Disasters David Gero, 1996 This second edition provides an account of each major air disaster since 1950 including the date, location, operator, aircraft type, any flight information available, and the cause if known. It records 1994 disasters such as major crashes in Nagoya, Japan,

and in Pittsburgh and Indiana, USA.

Air Pictorial ,2001-07

Tupolev Tu-2 Jason Nicholas Moore,2016-07-21 Although one of the best medium bombers of the Second World War, fast, tough, and with an excellent bomb load, the Tu-2 is little known in the West. This book provides a comprehensive history of this important airplane, complete with its developmental history in the Second World War and later, and its long postwar history, both with the Soviet Union and other countries. First produced in 1942, the Tu-2 s initial production ended in 1943, then as its combat capabilities became clear, it was reinstated into production. Because of the stop in production, the Tu-2 was not used in large numbers until the last year of the war, where it proved a very useful weapon indeed. Neither its development nor production stopped with the end of the war, and it was developed into additional variants, including an all-weather fighter. In addition to its service in the Great Patriotic War, it saw service in the Korean War with the Chinese Air Force. This book also features accurate color profiles of the Tu-2 in the colors of the various nations it was in service with postwar, as well as color profiles from its wartime service with the Red Air Force.

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