





Photos from the collection of Warren E. Thompson

famous and successful aircraft of all time.

he dangerous but essential business of strategic reconnaissance during the Cold War and beyond fell to two platforms: the U-2 and the SR-71. The . CIA's 1953 request for an aircraft that could reach 70,000 feet and fly 1,700 miles led to the U-2. It first flew in 1955 and was operational the following year. Its cutting-edge status was short-lived, though: The 1960 shootdown of Francis Gary Powers in Russia compelled a solution that was not only high-flying, but fast enough to escape surface-to-air missiles. Eventually, this led to the triple-sonic SR-71. If The thirsty SR-71 needed to be refueled shortly after takeoff and just before entering and immediately after leaving enemy airspace. This one is pulling up to a tanker. 121 An early bare-metal U-2A, soon after USAF started flying the aircraft. Lockheed Martin built 48 of the U-2A models.









Lockheed based the aircraft on the main fuselage of the XF-104. I3I As USAF was phasing the SR-71 out, 11 of Beale's remaining aircraft pose for a family photo in 1989. I4I A Blackbird gets airborne. Its Pratt & Whitney J58-P4 engines could each produce 32,500 pounds of thrust,

pushing the craft to record-breaking speeds. *I5I* The first public display of a U-2 at an air show, at Patrick AFB, Fla., in 1960. Maj. Pat Halloran stands in front of his airplane. He eventually logged 1,700 hours in the U-2 and 600 more in the SR-71.



I1I NASA flew the U-2 for high-altitude research at the edge of space, and also as a cover for more clandestine flights. This U-2 in NASA livery went to the Robins Air Force Base museum in Georgia shortly after this photo, circa 1989. 121 An SR-71A with Lockheed's "Skunk Works" logo on the tail. The company built both the U-2 and the SR-71, and has been closely associated with secret USAF projects. This aircraft today is at the Edwards AFB, Calif., Air Force Flight Test Center Museum. 131 Lockheed test pilot Robert Gilliland, shown here, made the first SR-71 flight in December 1964. He reached Mach 1.5 on the first sortie. 141 A Blackbird fuels up from a specially configured tanker loaded with JP-7 fuel. This fuel had a higher flash point than standard jet grades, so as to withstand the heat of sustained triple-sonic flight. 151 A U-2 lands after a long mission, circa 1965.









I1I A pair of U-2As, assigned to the Special Projects Branch, over Edwards during the early 1960s. The U-2 has received near-constant modification, and today's models feature interchangeable noses, depending on mission sensor requirements. I2I The SR-71 routinely operated above 70,000 feet. Its altitude, combined with its speed, foiled every one of the 4,000 attempts to shoot it down over its more than two-and-a-half decades in service. Over its life, the special white paint necessary for lettering and national markings was deleted because of its expense. Normal paint would burn off at high speeds. I3I The SR-71 production line in California. Lockheed built the Blackbird under the tightest security.







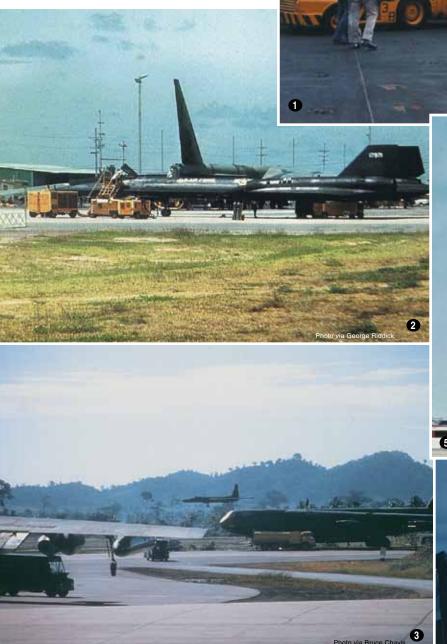


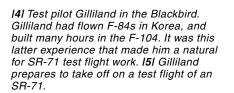


*I4I* An SR-71 is slowly towed down a main road to its final rest at Lackland AFB, Tex., in June 1990. *I5I* The U-2s were heavily tasked throughout the Vietnam War. This one is readied for a mission at Bien Hoa in December 1964, early on in the US involvement. Note the unusual antennae on the aircraft's spine behind the wing's trailing edge.



I1I Before the USS America carrier trials, U-2 pilots practiced on an airfield marked off with carrier dimensions. Although the experiments were a success, the cost of keeping one carrier configured to allow U-2 operations was deemed too high. I2I An SR-71 at Kadena in 1969. Blackbirds supported air strikes by keeping close watch on targets in North Vietnam. A B-52 bomber is in the background. I3I A U-2 on descent at U Tapao AB, Thailand, in 1972, sharing the base with B-52s. U-2s supported the air war with pre- and post-strike target imagery.









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I1I U-2s are crowd-pleasers when they can be spared for an air show. This one is on static display at Carswell AFB, Tex., in 1966. I2I Clarence "Kelly" Johnson, the engineering genius who led development of both the U-2 and the SR-71, poses with the U-2C. Johnson's Skunk Works at Lockheed came up with the F-104, the F-117 stealth fighter, and dozens of other secret projects. I3I The D-21 was an unmanned drone that could be launched from the back of the A-12 version, modified and dubbed M-12 or M-21. I4I The SR-71 ended its career in high style. On March 6, 1990, it flew its last USAF mission, from Palmdale, Calif., to Dulles Airport, outside Washington, D.C. During the flight, it set four speed records, which still stand. The aircraft is on display at the Smithsonian Institution's Dulles facility.



*I5I* Some of Lockheed's Skunk Works employees get rare recognition in an undated group portrait with a U-2. ■

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