

WARRIOR

WINGS

OVER

WHITEMAN

2017

AIR SHOW OPEN HOUSE

FEATURING

THE UNITED STATES ARMY GOLDEN KNIGHTS

FREE ADMISSION - GATES OPEN AT 9 A.M.

JUNE 10-11 2017

AERIAL ACTS - STATIC DISPLAYS - VENDORS

WHITEMAN AIR FORCE BASE, MO.

Weekly commander's message

Greetings, Team Whiteman!

For the past two years, it has been my honor to serve alongside you as we have executed our nation's most vital strategic mission. From the moment I assumed command, Angelle and I have been blown away by the selflessness and dedication of our Total Force team, as well as that of your families and the surrounding community.

Throughout my career, Whiteman has always had a special place in my heart. My family and I have been privileged to be stationed here three separate times. Since that first assignment, each time we have returned it felt like we were coming home. We felt that way because of the stellar support we always received from the surrounding areas and because of the strong sense of community that the heartland is famous for. As such, I would like to thank our dedicated civic leaders and community partners for their unrivaled sup-

port of our base and our service members ... we could not complete our mission without you!

In addition, I want to thank our Total Force partners from the 131st Bomb Wing, 442d Fighter Wing, 20th Attack Squadron and 1-135th Assault Helicopter Battalion. It has been an incredible experience to work with you and to meet so many of your passionate Airmen and Soldiers. Together, we have made Whiteman the Total Force Initiative benchmark for all other installations to emulate and I know the relationships between our units will only continue to grow in the years to come!

Last, but certainly not least, I would like to thank the men and women of the 509th Bomb Wing. Since taking command, you have been a tremendous source of pride and inspiration for me ... simply put, you have become the reason for my service. The level of commit-

ment that permeates throughout our team is truly humbling and I have never been more proud to be associated with any other group.

Since day one I have challenged us to uphold the legacy of excellence of the 509th ... and we have done just that. In fact, thanks to your professionalism and the sacrifices made by you and your families, we are and will continue to be the world's premier bomber force!

That said, remain focused, as it is not a matter of if the 509th will be called upon again to defend or avenge our way of life, but when ... Angelle and I know you will be ready!

Defend ... Avenge!

Nuke

PAUL W. TIBBETS IV
Brigadier General, USAF
Commander, 509th Bomb Wing



U.S. Air Force photo/ Senior Airman Jovan Banks
U.S. Air Force Brig. Gen. Paul W. Tibbets IV, the 509th Bomb Wing commander, stands with his wife, Angelle, and their children following his fini flight at Whiteman Air Force Base, Mo., May 23, 2017.



U.S. Air Force photo/ Senior Airman Jovan Banks
Members of the 509th Maintenance Group render a salute as U.S. Air Force Brig. Gen. Paul W. Tibbets IV, the 509th Bomb Wing commander, taxis a B-2 Spirit down the flightline at Whiteman Air Force Base, Mo., May 23, 2017.

THE WARRIOR Editorial Staff

Brig. Gen. Paul W. Tibbets IV
509th Bomb Wing Commander

Capt. Karl Wiest
Chief, Public Affairs

Airman 1st Class Jazmin Smith
Editor

Senior Airman Jovan Banks
Senior Airman Joel Pfiester
Senior Airman Danielle Quilla
Airman Michaela Slanchik
Airman Taylor Phifer
Photojournalists

The Sedalia Democrat
Layout and Design

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The deadline for article submissions to the **Warrior** is noon Friday. If a holiday falls on Friday, the deadline then becomes 4 p.m. Thursday. Articles will be published on a space-available basis. Submissions do not guarantee publication.

For more information, call the **Warrior** office at 660-687-5727, email 509.bw.pa@us.af.mil, fax 660-687-7948, or write to us at Whiteman **Warrior**, 509th Bomb Wing, 509th Spirit Blvd. Suite 116, Whiteman AFB, Mo., 65305.

To advertise in *The Warrior*, call the *Sedalia Democrat* at 1-800-892-7856.

On the cover

U.S. Air Force illustration/
Senior Airman Jovan Banks

The base is scheduled to host the 2017 Wings over Whiteman air show at Whiteman Air Force Base, Mo., June 10-11, 2017. The event will feature performances by the Air Combat Command F-16 Viper Demonstration Team, the U.S. Army Golden Knights, the 442d Fighter Wing's A-10 Thunderbolt II, and more! Attendees will also have the opportunity to tour various static displays and ground events.

NEWS BRIEFS



U.S. AIR FORCE
EagleEyes
WATCH.REPORT.PROTECT.

U.S. Air Force Eagle Eyes provides service members and civilians a safe, discreet and anonymous option to report criminal information, counterintelligence indicators or force protection concerns.

To submit a web tip go to the AFOSI web page at <http://www.osi.af.mil>.

How to report an anonymous tip using a smart phone:

1. Open the smart phone app
2. Manually select an agency
3. Choose USA then Federal Agency then select AFOSI

4. Create a passport, select New Tip and fill out the form with as much information as possible.

How to report an anonymous tip via text message:

Text "AFOSI" plus your tip information to 274637 (CRIMES)

Stealth Lounge

If you are a young Airman, let the Stealth Lounge make your time at Whiteman more enjoyable. Stop by after work to play some pool, darts, foosball, or the newest games on Xbox One or Playstation 4. The lounge opens at 4 p.m. during the week and noon on weekends. There is free dinner every Thursday at 5:30 p.m., with an optional discussion on spiritual resilience to follow at 6:30 p.m. There are also free premium snacks and Wi-Fi. Come for the free stuff, stay for the fun and friends.

Like the Stealth Lounge on Facebook to stay up to date on special events and tournaments.

Air Force Housing website

Visit www.housing.af.mil to find your new home with the Air Force. This website serves as a one-stop shop for Airmen and their families to obtain information about the housing options and support services available to them at Air Force bases worldwide.

Found property

Keys, wallets, bicycles, jewelry and other items have been turned in as found property to Security Forces Investigation Section. To inquire about lost property, go to building 711, room 305, or call Detective Steven Scott at 660-687-5342.

WEATHER

Today	Saturday
Sunny	Sunny
Hi 85	Hi 90
Lo 57	Lo 65
Sunday	Monday
Sunny	Sunny
Hi 90	Hi 91
Lo 70	Lo 71

"Trinity Tavern": Renamed with Reason



U.S. Air Force photo/Airman 1st Class Jazmin Smith

U.S. Air Force Col. Mark Ely, far right, the 509th Bomb Wing vice commander, gathers with members of Team Whiteman around a display featuring Trinitite at Whiteman Air Force Base, Mo., June 2, 2017. Trinity Site is where the first atomic bomb was tested on July 16, 1945. With a power equivalent to around 21,000 tons of TNT, the bomb completely obliterated the steel tower on which it rested. The intense heat melted the New Mexico desert sand into a light green, glass-like substance which was later named "Trinitite."

By Airman 1st Class Jazmin Smith
509th Bomb Wing Public Affairs

Oftentimes, on installations with deep historical roots, one may hear of a building being renamed to honor a person's memory or their contributions.

The Mission's End club at Whiteman Air Force Base, Missouri, is following suit – with a twist: The new name will commemorate more than one person, by memorializing several moments in the history of the U.S. military.

On June 2, 2017, members of Team Whiteman convened for the grand renaming of the western wing in the base club, which featured a new name: The Trinity Tavern.

U.S. Air Force Tech. Sgt. Joshua White, the 509th Medical Operations Squadron NCO in charge of force health management, proposed the name last year after a survey was sent out with a list of choices. After voting with the options available, he offered his own choice as it tied in heritage and a clever alliteration.

"After doing research on U.S. weapon history, I repeatedly saw the number three or the word 'Trinity,' so I looked into it further," said White.

What initially caught his attention was "The Trinity Test," the code name of the first U.S. detonation of a nuclear weapon in 1945.

"This was a key element for the success of the The Manhattan Project, which went on to create the world's first atomic bomb dropped by none other than Col. Paul W. Tibbets Jr. while flying the B-29 Superfortress, the Enola Gay," remarked White.

"Then you have the three pillars of the Nuclear Treaty which are nuclear disarmament, sharing of technology and non-proliferation," added White.

Trinity, or a group of three, once more appeared in history with the Nuclear Triad, which refers to the three components of the nuclear weapons delivery: land-based intercontinental ballistic missiles,

strategic bombers, and submarine-launched ballistic missiles.

Sometimes a building's name is a way of adding history; its intent is to make those who enter its walls do so with a sense of curiosity. For White, reading about the missions and how the military seamlessly came together and efficiently took care of business drove his own interest.

"Personally I enjoy interesting names with a back story because it catches your attention," said White.

"If you're into history, it will prompt you to do a bit of research," added White. "The story behind the name will show what the wing considers significant, a sort of insight to the mission."

During the renaming ceremony, a painting by Airman 1st Class Maureen Mc Carthy, a contract specialist assigned to the 509th Contracting Squadron, was unveiled as the sign for Trinity Tavern. Inside its walls, representatives from several units on base also designed and hand painted a mural to symbolize their squadrons.

The event furthermore highlighted the effects of the Trinity Test with a display made specifically for the room.

"The intense heat melted the New Mexico desert sand into a light green, glass-like substance which was later named 'Trinitite,'" said 1st Lt. Ashley Willows, the officer in charge of the 509th Force Support Squadron community services flight. "Since the days of the Trinity Test site, the U.S. has led a strategy of nuclear deterrence, and a part of that strategy resides here at Whiteman.

"A piece of Trinitite from this blast also resides in the Trinity Tavern," she added. "This sample of rare Trinitite, along with a photograph of the original test explosion, signifies the dramatic end to World War II's Pacific conflict and the beginning of the age of atomic energy."

These two small words open up a small chapter in the history of the Air Force's nuclear capability.

"I hope the new name prompts Airmen to look into it and learn about their roots, the successful missions and people that brought us to this point," remarked White.



The free Whiteman Air Force Base app is available to read the latest base news, find pictures of promotion ceremonies, locate needed phone numbers and even get information about various base events.

Now available on Android!

Search "Whiteman Air Force Base" on the Google Play Store or visit whiteman.af.mil for a link!



Reel Time Theaters

We're saving a seat for you.

FRIDAY, JUNE 9 • 7 p.m. **SATURDAY, JUNE 10 • 7 p.m.**

NO SHOWING NO SHOWING

Adults - \$6.25, children - \$4.00 Adults - \$6.25, children - \$4.00

SUNDAY, JUNE 11 • 3 p.m.

NO SHOWING

Adults - \$6.25, children - \$4.00



Air Show FAQs

Q. Are Saturday and Sunday the same show?

A. There will be minor differences, but the majority of the show will be similar.

Q. Who is performing when? Will there be a schedule?

A. We will not release a schedule. Here's an example of why: Your favorite performer is slotted for 2 p.m. You plan to get to the air show at 1 p.m. Alas, two acts scheduled to perform prior have mechanical issues and now they've been bumped back and your favorite performer has been bumped forward... to noon. You arrive at 1 p.m., having missed them.

We definitely don't want this to happen to you, and with so many moving parts, our schedule must allow for a vast amount of flexibility; to release a schedule would surely work against your plans.

Q. What kind of ID do I need to bring?

A. None, this is an open house event. However, safety and security are our top priority, so we reserve the right to change this at any time; follow our Facebook page for the latest updates. Understand that ALL hand-carried items are subject to search, for your protection.

Q. Will there be handicapped parking?

A. Yes. Additionally, there will be shuttles from the parking area to the show area.

Q. What does the ground show entail?

A. More static displays of smaller and older aircraft, cars, vendors, WACO glider, B-2 Stealth bike, MQ-9, and more!

WOW Air Show:

Safety is our top priority

ENTRY POINTS

Access points to the air show are located at the 9th Street and 12th Street entrances. Medical, restrooms, and water fountains are located throughout the flightline. Please refer to the map on Page 9.

FIRST AID

- The First Aid area is clearly marked by a red star. If you need medical assistance, look for the banner with the red cross or ask an air show worker for help.
- Drink plenty of fluids, especially on warm sunny days.
- Apply sunscreen often, especially to small children. Wear a hat to protect your head. Temperatures on the flightline (show grounds) are typically higher than normal.
- Take time out to rest during the day as heat and excitement may cause fatigue.

MOTORCYCLES

All riders operating a motorcycle on a military installation are required to wear safety gear to include:

- DOT approved helmet
- Long sleeve shirts
- Long pants
- Over the ankle, sturdy footwear
- NSI approved glasses/goggles if helmet doesn't include face shield
- Full-fingered gloves

In summary, bring sunscreen, drink lots of water, and be careful driving to and from the air show!

A-10 Thunderbolt II



Mission

The A-10 Thunderbolt II has excellent maneuverability at low air speeds and altitude, and is a highly accurate and survivable weapons-delivery platform. The aircraft can loiter near battle areas for extended periods of time and operate in low ceiling and visibility conditions. The wide combat radius and short takeoff and landing capability permit operations in and out of locations near front lines. Using night vision goggles, A-10 pilots can conduct their missions during darkness.

Thunderbolt IIs have Night Vision Imaging Systems, or NVIS, goggle compatible single-seat cockpits forward of their wings and a large bubble canopy which provides pilots all-around vision. The pilots are protected by titanium armor that also protects parts of the flight-control system. The redundant primary structural sections allow the aircraft to enjoy better survivability during close air support than did previous aircraft. The aircraft can survive direct hits from armor-piercing and high explosive projectiles up to 23mm. Their self-sealing fuel cells are protected by internal and external foam. Manual systems back up their redundant hydraulic flight-control systems. This permits pilots to fly and land when hydraulic power is lost.

The A-10 has received many upgrades over the years. In 1978, the aircraft received the Pave Penny laser receiver pod, which sensed reflected laser radiation from a laser designator. Pave Penny has now been discontinued in favor more capable advanced targeting pods. The A-10 began receiving an inertial navigation system in 1980. Later, the Low-Altitude Safety and Targeting Enhancement (LASTE) upgrade provided computerized

weapon-aiming equipment, an autopilot, and a ground-collision warning system. In 1999, aircraft began to receive Global Positioning System navigation systems and a new multi-function display. In 2005, the entire A-10 fleet began receiving the Precision Engagement upgrades that include an improved fire control system (FCS), electronic countermeasures (ECM), upgraded cockpit displays, the ability to deliver smart bombs, moving map display, hands on throttle and stick, digital stores management, LITENING and Sniper advanced targeting pod integration, situational awareness data link or SADL, variable message format, or VME, GPS-guided weapons, and upgraded DC power. The entire A-10 fleet has been Precision Engagement modified and now carries the A-10C designation.

The Thunderbolt II can be serviced and operated from austere bases with limited facilities near battle areas. Many of the aircraft's parts are interchangeable left and right, including the engines, main landing gear and vertical stabilizers. Avionics equipment includes multi-band communications; Global Positioning System and inertial navigations systems; infrared and electronic countermeasures against air-to-air and air-to-surface threats. And, it has a heads-up display to display flight and weapons delivery information.

The Thunderbolt II can employ a wide variety of conventional munitions, including general purpose bombs, cluster bomb units, laser guided bombs, joint direct attack munitions or JDAM, wind corrected munitions dispenser or WCMD, AGM-65 Maverick and AIM-9 Sidewinder missiles, rockets, illumination flares, and the GAU-8/A 30mm cannon, capable of firing 3,900 rounds per minute to defeat a wide variety of targets including tanks.

General Characteristics

Primary Function: Close air support, Airborne Forward Air Control, Combat Search and Rescue
 Contractor: Fairchild Republic Co.
 Power Plant: Two General Electric TF34-GE-100 turbofans
 Thrust: 9,065 pounds each engine
 Wingspan: 57 feet, 6 inches (17.42 meters)
 Length: 53 feet, 4 inches (16.16 meters)
 Height: 14 feet, 8 inches (4.42 meters)
 Weight: 29,000 pounds (13,154 kilograms)
 Maximum Takeoff Weight: 51,000 pounds (22,950 kilograms)
 Fuel Capacity: 11,000 pounds (7,257 kilograms)
 Payload: 16,000 pounds (7,257 kilograms)
 Speed: 450 nautical miles per hour (Mach 0.75)
 Range: 2580 miles (2240 nautical miles)
 Ceiling: 45,000 feet (13,636 meters)
 Armament: One 30 mm GAU-8/A seven-barrel Gatling gun; up to 16,000 pounds (7,200 kilograms) of mixed ordnance on eight under-wing and three under-fuselage pylon stations, including 500 pound (225 kilograms) Mk-82 and 2,000 pounds (900 kilograms) Mk-84 series low/high drag bombs, incendiary cluster bombs, combined effects munitions, mine dispensing munitions, AGM-65 Maverick missiles and laser-guided/electro-optically guided bombs; infrared countermeasure flares; electronic countermeasure chaff; jammer pods; 2.75-inch (6.99 centimeters) rockets; illumination flares and AIM-9 Sidewinder missiles.
 Crew: One
 Unit Cost: \$18.8 million
 Initial operating capability: A-10A, 1977; A-10C, 2007
 Inventory: Active force, 187; Reserve, 49; ANG, 107

Air Combat Command F-16 Viper Demonstration Team

Mission

The F-16 Fighting Falcon is a compact, multi-role fighter aircraft. It is highly maneuverable and has proven itself in air-to-air combat and air-to-surface attack. It provides a relatively low-cost, high-performance weapon system for the United States and allied nations.

Features

In an air combat role, the F-16's maneuverability and combat radius (distance it can fly to enter air combat, stay, fight and return) exceed that of all potential threat fighter aircraft. It can locate targets in all weather conditions and detect low flying aircraft in radar ground clutter. In an air-to-surface role, the F-16 can fly more than 500 miles (860 kilometers), deliver its weapons with superior accuracy, defend itself against enemy aircraft, and return to its starting point. An all-weather capability allows it to accurately deliver ordnance during non-visual bombing conditions.

In designing the F-16, advanced aerospace science and proven reliable systems from other aircraft such as the F-15 and F-111 were selected. These were combined to simplify the airplane and reduce its size, purchase price, maintenance costs and weight. The light weight of the fuselage is achieved without reducing its strength. With a full load of internal fuel, the F-16 can withstand up to nine G's -- nine times the force of gravity -- which exceeds the capability of other current fighter aircraft.

The cockpit and its bubble canopy give the pilot unobstructed forward and upward vision, and greatly improved vision over the side and to the rear. The seat-back angle was expanded from the usual 13 degrees to 30 degrees, increasing pilot comfort and gravity force tolerance. The pilot has excellent flight control of the F-16 through its "fly-by-wire" system. Electrical wires relay commands, replacing the usual cables and linkage controls. For easy and accurate control of the aircraft during high G-force combat maneuvers, a side stick controller is used instead of the conventional center-mounted stick. Hand pressure on the side stick controller sends electrical signals to actuators of flight control surfaces such as ailerons and rudder.

Avionics systems include a highly accurate enhanced global positioning and inertial navigation systems, or EGI, in which computers provide steering information to the pilot. The plane has UHF and VHF radios plus an instrument landing system. It also has a warning system and modular countermeasure pods to be used against airborne or surface electronic threats. The fuselage has space for additional avionics systems.

General characteristics

Primary function: multirole fighter
 Contractor: Lockheed Martin Corp.
 Power plant: F-16C/D: one Pratt and Whitney F100-PW-200/220/229 or General Electric F110-GE-100/129
 Thrust: F-16C/D, 27,000 pounds
 Wingspan: 32 feet, 8 inches (9.8 meters)



Length: 49 feet, 5 inches (14.8 meters)
 Height: 16 feet (4.8 meters)
 Weight: 19,700 pounds without fuel (8,936 kilograms)
 Maximum takeoff weight: 37,500 pounds (16,875 kilograms)
 Fuel capacity: 7,000 pounds internal (3,175 kilograms); typical capacity, 12,000 pounds with two external tanks (5443 kilograms)
 Payload: two 2,000-pound bombs, two AIM-9, two AIM-120 and two 2400-pound external fuel tanks
 Speed: 1,500 mph (Mach 2 at altitude)
 Range: more than 2,002 miles ferry range (1,740 nautical miles)
 Ceiling: above 50,000 feet (15 kilometers)
 Armament: one M-61A1 20mm multibarrel cannon with 500 rounds; external stations can carry up to six air-to-air missiles, conventional air-to-air and air-to-surface munitions and electronic countermeasure pods
 Crew: F-16C, one; F-16D, one or two
 Unit cost: F-16A/B , \$14.6 million (fiscal 98 constant dollars); F-16C/D,\$18.8 million (fiscal 98 constant dollars)
 Initial operating capability: F-16A, January 1979; F-16C/D Block 25-32, 1981; F-16C/D Block 40-42, 1989; and F-16C/D Block 50-52, 1994
 Inventory: total force, F-16C/D, 1017

The Golden Knights



The United States Army Parachute Team, nicknamed “The Golden Knights,” is the U.S. Army’s official aerial demonstration team. The team travels around the United States, performing parachute demonstrations at air shows, major league football and baseball games, and special events, connecting the Army with the American people. The Team originated at Fort Bragg, North Carolina, home of the airborne in 1959. At the time, the Russians dominated the relatively new sport of skydiving, and were unbeatable at the international competitions. Thirteen intrepid airborne soldiers saw an opportunity to beat the Soviets at their own game ... and began practicing to meet the world as the first U.S. military parachute team. Success came quickly, as the team began bringing home gold medals and winning the hearts of the American public. The fledgling team’s mission was to assist in the development of modern parachuting techniques,

to provide world-class competition parachutists, and to perform live aerial demonstrations in support of Army public relations and recruiting. In 1961, the team adopted their nickname, “The Golden Knights.” Over the past 50 years, the team has grown to more than 90 people, including jumpers, pilots, administrators, parachute technicians, and media relations and supply specialists. The demonstration team performs more than 100 demonstrations a year with the help of the team’s four dedicated aircraft. The Tandem section takes Soldiers and VIPs on tandem skydives, and the Competition section continues to win at several national and international competitions per year. The team represents the finest of Soldiers and personifies the Army Values, showing the world the professionalism, precision, and discipline of today’s modern Army. – See more at: <http://armygk.armylive.dodlive.mil/about/#sthash.AbUL9DJH.dpuf>

B-2 Spirit



Air Force Plant 42, Palmdale, California. Its first flight was July 17, 1989. The B-2 Combined Test Force, Air Force Flight Test Center, Edwards Air Force Base, California, is responsible for flight testing the engineering, manufacturing and development on the B-2.

Whiteman AFB, Missouri, is the only operational base for the B-2. The first aircraft, Spirit of Missouri, was delivered Dec. 17, 1993. Depot maintenance responsibility for the B-2 is performed by Air Force contractor support and is managed at the Oklahoma City Air Logistics Center at Tinker AFB, Okla.

The combat effectiveness of the B-2 was proved in Operation Allied Force, where it was responsible for destroying 33 percent of all Serbian targets in the first eight weeks, by flying nonstop to Kosovo from its home base in Missouri and back. In support of Operation Enduring Freedom, the B-2 flew one of its longest missions to date from Whiteman to Afghanistan and back. The B-2 completed its first-ever combat deployment in support of Operation Iraqi Freedom, flying 22 sorties from a forward operating location as well as 27 sorties from Whiteman AFB and releasing more than 1.5 million pounds of munitions. The aircraft received full operational capability status in December 2003. On Feb. 1, 2009, the Air Force's newest command, Air Force Global Strike Command, assumed responsibility for the B-2 from Air Combat Command.

The prime contractor, responsible for overall system design and integration, is Northrop Grumman Integrated Systems Sector. Boeing Military Airplanes Co., Hughes Radar Systems Group, General Electric Aircraft Engine Group and Vought Aircraft Industries, Inc., are key members of the aircraft contractor team.

Mission

The B-2 Spirit is a multi-role bomber capable of delivering both conventional and nuclear munitions. A dramatic leap forward in technology, the bomber represents a major milestone in the U.S. bomber modernization program.

The B-2 brings massive firepower to bear, in a short time, anywhere on the globe through previously impenetrable defenses.

Features

The B-2 provides the penetrating flexibility and effectiveness inherent in manned bombers. Its low-observable, or "stealth", characteristics give it the unique ability to penetrate an enemy's most sophisticated defenses and threaten its most valued, and heavily defended, targets. Its capability to penetrate air defenses and threaten effective retaliation provides a strong, effective deterrent and combat force well into the 21st century.

The revolutionary blending of low-observable technologies with high aerodynamic efficiency and large payload gives the B-2 important advantages over existing bombers.

Its low-observability provides it greater freedom of action at high altitudes, thus increasing its range and a better field of view for the aircraft's sensors. Its unrefueled range is approximately 6,000 nautical miles (9,600 kilometers).

The B-2's low observability is derived from a combination of reduced infrared, acoustic, electromagnetic, visual and radar signatures. These signatures make it difficult for the sophisticated defensive systems to detect, track and engage the B-2. Many aspects of the low-observability process remain classified; however, the B-2's composite materials, special coatings and flying-wing design all contribute to its "stealthiness."

The B-2 has a crew of two pilots, a pilot in the left seat and mission commander in the right, compared to the B-1B's crew of four and the B-52's crew of five.

Background

The first B-2 was publicly displayed on Nov. 22, 1988, when it was rolled out of its hangar at

General Characteristics

Primary function: Multi-role heavy bomber
 Contractor: Northrop Grumman Corp.
 Contractor Team: Boeing Military Airplanes Co., Hughes Radar Systems Group, General Electric Aircraft Engine Group and Vought Aircraft Industries, Inc.
 Power Plant: Four General Electric F118-GE-100 engines
 Thrust: 17,300 pounds each engine
 Wingspan: 172 feet (52.12 meters)
 Length: 69 feet (20.9 meters)
 Height: 17 feet (5.1 meters)
 Weight: 160,000 pounds (72,575 kilograms)
 Maximum Takeoff Weight: 336,500 pounds (152,634 kilograms)
 Fuel Capacity: 167,000 pounds (75,750 kilograms)
 Payload: 40,000 pounds (18,144 kilograms)
 Speed: High subsonic
 Range: Intercontinental
 Ceiling: 50,000 feet (15,240 meters)
 Armament: Conventional or nuclear weapons
 Crew: Two pilots
 Unit cost: Approximately \$1.157 billion (fiscal 98 constant dollars)
 Initial operating capability: April 1997
 Inventory: Active force: 20 (1 test); ANG: 0;
 Reserve: 0

B-29 Superfortress

Doc is a B-29 Superfortress and one of 1,644 manufactured in Wichita, Kansas during World War II.

Designed in 1940 as an eventual replacement for the B-17 and B-24, the first B-29 made its maiden flight on Sept. 21, 1942. In December 1943 U.S. Army Air Forces leadership committed the Superfortress to Asia, where its great range made it particularly suited for the long over-water flights against the Japanese homeland from bases in China. During the last two months of 1944, B-29s began operating against Japan from the islands of Saipan, Guam and Tinian. With the advent of the conflict in Korea in June 1950, the B-29 returned to combat. Although vulnerable to MiG-15 jet fighter attacks, the Superfortress remained effective against several types of targets throughout the Korean War.



TECHNICAL NOTES:

Armament: Eight .50-cal. machine guns in remote controlled turrets plus two .50-cal. machine guns and one 20mm cannon in tail; 20,000 lbs. of bombs	Engines: Four Wright R-3350s of 2,200 hp each Maximum speed: 357 mph Cruising speed: 220 mph	Range: 3,700 miles Ceiling: 33,600 ft. Wing span: 141 ft. 3 in. Length: 99 ft.	Height: 27 ft. 9 in. Weight: 133,500 lbs. maximum Serial number: 44-27297
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For Wings Over Whiteman coverage or for more information, check out the websites below!

[facebook.com/WhitemanAirForceBase](https://www.facebook.com/WhitemanAirForceBase)
whiteman.af.mil

Air Show Prohibited vs. Permitted Items

Prohibited items on installation:

- Knives (regardless of blade length), multi-tools, box cutters, razors
- Firearms, stun-guns, mace and/or OC spray, ammunition, weapons such as clubs, black jacks, brass knuckles
- Explosives

Prohibited items in the air show spectator area:

- Back packs, gym bags, hydration packs
- Coolers, glass bottles, alcoholic beverages
- Non-prescription medication
- Illicit/illegal drugs and or paraphernalia (Marijuana, meth, etc.)
- Walkie-talkies, HAM radios, scanners, GPS units
- Bicycles, skateboards, roller blades/skates, scooters
- Pets. EXCEPTION: Service dogs permitted

Permitted items on installation/spectator area:

- Folding chairs
- Strollers or pull along wagons
- Purse, fanny packs (medium or small in size)
- Medical, diaper, camera bag (medium or small in size)
- Clear beverages in clear, see-through plastic containers
- Camera, camcorders, camera phones
- Wheelchairs

Flightline fitness: One-stop shop for gains



U.S. Air Force photo/Senior Airman Joel Pfiester
U.S. Air Force Tech. Sgt. Ricardo Zuniga, a weapons load crew member from the 131st Aircraft Maintenance Squadron, performs preacher curls in the new flightline gym at Whiteman Air Force Base, Mo., May 30, 2017. The flightline gym was recently renovated to benefit flightline personnel wanting to get a workout in without having to leave the flightline. The renovations were a direct result of the Air Force Global Strike Command's Year of the Family initiative to improve Airmen work centers.

By Senior Airman Joel Pfiester
 509th Bomb Wing Public Affairs

Maintainers and flightline personnel put in long hours working to keep the B-2 Spirit ready to roll at a moment's notice. They work lengthy and strenuous shifts. On top of that, add the time it takes to get in and out of the entry control points and onto one of the most secure flightlines in the Air Force. This makes squeezing in a workout during your shift nearly impossible, which could result in failed physical training (PT) tests and a decrease in unit morale.

To help with this matter, there was a gym located just inside the flightline in Bldg. 43. However, the gym was in poor condition. There were holes in the wall, poor ventilation and the equipment was either ancient or broken.

A focus on improving where Airmen work was implemented as part of the Air Force Global Strike Command's Year of the Family initiative.

U.S. Air Force Lt. Col. Christopher Joyce, previously the 509th Aircraft Maintenance Squadron (AMXS) commander, came to his unit resource advisor, Tech. Sgt. Brandon Smith, and asked for his input on what the flightline was missing.

After asking around the squadron, Smith concluded that there was a general consensus the flightline gym was in desperate need of renovating.

Following extensive research, receiving a budget with the support of the Human Weapons System team, and vetting all the equipment through the 509th Force Support Squadron, Smith ordered the new equipment.

"Between our command support staff personnel, 131st Airmen and our own 509th AMXS Airmen, there were about 20 people assisting in ordering, moving and cleaning up the gym," said Smith.

The new equipment consists of two treadmills, an elliptical and a row machine, a D-Gym multiuse station, free weights, incline, decline and flat benches, a Smith Machine, and spin bikes. It also features newly-mounted fans on the walls and a sound system equipped with satellite radio.

Thanks to the upgrades that have taken place, Airmen are now consistently sweating and putting in work in a gym that was



U.S. Air Force photo/Senior Airman Joel Pfiester
U.S. Air Force Tech. Sgt. Ricardo Zuniga, a weapons load crew member from the 131st Aircraft Maintenance Squadron, spots U.S. Air Force Master Sgt. Jonathon Hamilton, a weapons load crew member from the 131st Aircraft Maintenance Squadron, while he performs dumbbell presses at Whiteman Air Force Base, Mo., May 30, 2017. The flightline gym was recently renovated to benefit flightline personnel wanting to get a workout in without having to leave the flightline.

previously barren and underutilized.

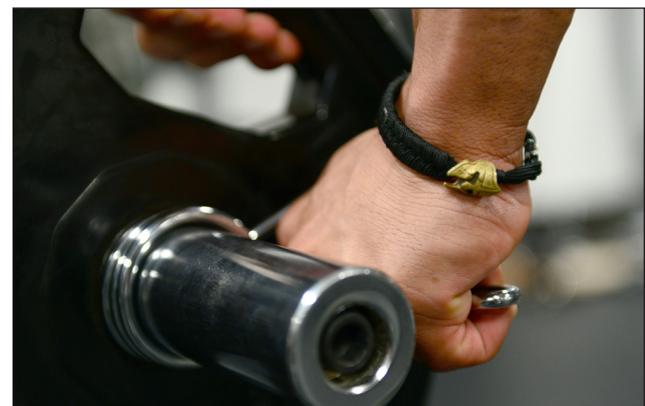
"Personally, this improvement very much exceeded my expectations," said U.S. Air Force Master Sgt. Jon Hamilton, a weapons load crew member from the 131st Bomb Wing. "I can accomplish most of the workouts I would do in a full-scale gym like the main base gym. I use it four days out of the week over my lunch period and I know quite a few people use it throughout the day and directly following their shifts."

The new gym aims to improve morale and also benefits Airmen that may be wanting to train and get prepared for upcoming fitness assessments.

"To start with, and most importantly for that matter, morale will improve with this new gym because flightline maintainers find it hard making their way to the base gym while handling the sometimes daunting flightline maintenance and workload," said Smith. "It's also everyone's personal responsibility to keep up with the Air Force PT standards, however, having a more modernized and well-maintained gym to call your own definitely aids and inspires those looking to maintain or improve their PT scores."

Whether it's relieving stress or improving their overall fitness, the new gym has everything they need.

"It's very accommodating having a gym within walking distance," said Smith. "Now they can get a quick workout in between performing outstanding maintenance on the B-2."



U.S. Air Force photo/Senior Airman Joel Pfiester
U.S. Air Force Tech. Sgt. Ricardo Zuniga, a weapons load crew member from the 131st Aircraft Maintenance Squadron, fastens a clamp on a curl bar while working out at the new flightline gym at Whiteman Air Force Base, Mo., May 30, 2017. The new flightline gym features two treadmills, an elliptical and a row machine, a D-Gym multiuse station, free weights, incline, decline and flat benches, a Smith Machine, and spin bikes. It also features newly mounted fans on the walls, and a sound system equipped with satellite radio.

Stronger for it:

Offutt Airman shares her journey with support of command team



U.S. Air Force Staff Sgt. Ashleigh Buch, the 338th Combat Training Squadron assistant flight chief, and Chief Master Sgt. Stephen Mallette, the 55th Intelligence Support Squadron chief enlisted manager, both assigned to Offutt Air Force Base, Neb., speak during a Lesbian, Gay, Bisexual and Transgender Pride Month forum at Whiteman Air Force Base, Mo., June 6, 2017. During the event, Buch shared her experiences as the first transgender Airman on flying status to complete the transition process under the new policy and the importance of communication to create an open environment. The open forum allowed members of the audience to ask questions about her journey to gain a better understanding of the new policy. It also provided a leadership perspective on how together they navigated the year-and-a-half long process that helped mold the current policy today.



U.S. Air Force photos/ Airman 1st Class Jazmin Smith

LESBIAN GAY BISEXUAL TRANSGENDER PRIDE MONTH 2017

JUNE 1: Proclamation Signing: Whiteman AFB Library @ 9 A.M.

POC: 2Lt Christian Schomburg & MSgt Candace Miller

JUNE 2: Karaoke "Pride Playlist" Event: Mission's End @ 5 P.M.

POC: Mr. Kyle Hull

**JUNE 6: Guest Speakers CMSgt Stephen Mallette & SSgt Ashleigh Buch : PDC Leadership Forum @ 8 A.M.
PDC General Forum @ 1 P.M.**

POC: MSgt Melissa Hookfin & Mr. Brent Thomas

JUNE 9: Movie Night "Finding Dory" Ike Skelton Park @ 9 P.M.

POC: A1C Theodore Barela

JUNE 23: 5K Color Run: Base Track @ 6:30 A.M.

POC: Mrs. Andrea Mitchell

For More Information Please Contact:

**2d Lt Christian Schomburg
687-7893 or christian.schomburg@us.af.mil**

**MSgt Candace Miller
687-2339 or candace.miller.1@us.af.mil**

**TSgt Jose Mendez-Figueroa
687-7914 or jose.mendezfigueroa@us.af.mil**

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AFRC hosts Heart Link event for military spouses



Courtesy photo

Members of Team Whiteman gather for a group photo following a Heart Link event at the Airman and Family Readiness Center (A&FRC) at Whiteman Air Force Base, Mo., June 1, 2017. Heart Link provides military spouses with information about local helping agencies and resources, Air Force customs and traditions, and Whiteman's mission, so that they may feel at home in the community. Heart Link was recently transformed from a six-hour daytime event into a three-hour evening event to accommodate more spouses' schedules.



Scholarship Grant

Whiteman's Top 3 Association is awarding two \$250 Scholarship Grants for Whiteman enlisted personnel and family members (E1-E6)

- ▶ Eligibility:
 - ▶ All active duty/reserve/ANG E1-E6 and their immediate families
 - ▶ Must be enrolled, or will be enrolled, in a degree program in an accredited school
 - ▶ Must submit an application, narrative, and transcripts to the base education office (Room 236 or 242) no later than June 30, 2017
- ▶ Selection Criteria:
 - ▶ Winners will be determined by the Whiteman Top 3 Committee
 - ▶ Committee will consider applicants based on education goals, scholastic achievement, and need
- ▶ POCs:
 - ▶ Senior Master Sgt. Thomas Fisher, 687-1491, thomas.fisher.5@us.af.mil
 - ▶ Master Sgt. Joseph Abernathy, 687-1465, joseph.abernathy@us.af.mil

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