



Experience the Birthplace of Aviation!

A non-profit corporation in partnership with the National Park Service to promote Aviation Heritage in the Dayton region

Visit the historical sites that tell of man's conquest of the air.

"The Flight Log" -

AVIATION TRAIL MAIL

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Aviation Trail Visitor Center • Wright-Dunbar Interpretive Center • Dayton Aviation Heritage National Historical Park
Corner of W. Third & S. Williams Sts., • 16 S. Williams St., Dayton, OH 45402 • (937) 225-7705

Print Version

April 2021 ISSUE

4/16/2021

This "Flight Log" highlights some of the stories and events featured on the Aviation Trail website: www.AviationTrailInc.org

April 16, 1867 - Birthday of Wilbur Wright

Aviation Trail salutes Wilbur Wright



Wilbur Wright was born to Milton and Susan Wright April 16, 1867, in a three-room house near Millville, Ind., eight miles east of New Castle, Ind. Wilbur was the Wrights' third son and was named for Wilbur Fiske, a clergyman admired by Milton.

It was Wilbur's observations of birds in flight that inspired his concept of wing warping, and his letter to Octave Chanute that helped propel the brothers on their historic venture. (See this Library of Congress story: <https://www.loc.gov/collections/wilbur-and-orville-wright-papers/articles-and-essays/the-belief-that-flight-is-possible-to-man/>).

Although Wilbur's birthplace is commemorated by the [Wilbur Wright Birthplace Museum](#) in Hagerstown, Indiana, you can now visit his final resting place at [Woodland Cemetery & Arboretum](#) in Dayton, Ohio (Site #8 on the Aviation Trail) where he lies next to his brother Orville.



Parachute Museum "Theater"



<https://www.aviationtrailinc.org/parachute-museum>

#2 in a series of videos presented by the Aviation Trail Parachute Museum

Ex-Trapeze Artist Made Parachute Safer

Toward the end of WWI, it became clear to the U.S. government that pilots needed parachutes to better save their lives. So, they set up a crack team to come up with a practical and workable design.

"*Ex-Trapeze Artist Made Parachutes Safer*", Smithsonian Channel



The story highlights the Army Air Service's parachute research team at Dayton's McCook Field where engineer James Floyd Smith and ex-stuntman Leslie Irvin helped develop the modern parachute in 1919.

https://en.wikipedia.org/wiki/James_Floyd_Smith
https://en.wikipedia.org/wiki/Leslie_L._Irvin

Log in to the Aviation Trail blog page at:
<https://www.aviationtrailinc.org/post/parachute-museum-theater>
to view this video, and more.

The Aviation Trail Parachute Museum is Site #1b on the Aviation Trail



Open Aircraft Days at NMUSAF

On these days, visitors will have the unique opportunity to look inside one of the museum's aircraft from 11 a.m. – 3 p.m.
Next event: Saturday, April 17, 2021

Saturday, April 17, 2021 - Walk thru the AC-130A (shown below)
Learn about this aircraft from six U.S. Air Force veterans: Col. (Ret.) Frank Alfter, Lt. Col. (Ret.) Larry Flinn, Col. (Ret.) Tom Gardner, Col. (Ret.) Carl Peirola, Col. (Ret.) Bob Pinizzotto and Master Sgt. Shane Sprague.

Saturday, May 8, 2021 - Look in the F-22A cockpit
Learn more about the aircraft from Maj. (Ret.) James Miklasevich, a museum volunteer and F-22 Systems Engineer.

Saturday, June 19, 2021 - Walk inside the C-7A
Learn more about this aircraft from museum volunteer and former aircraft structural repairman, Senior Master Sgt. (Ret.) Jerry Mongelli.



Future Dates:

Friday, July 9, 2021
Friday, Aug. 20, 2021
Saturday, Sept. 11, 2021
Saturday, Oct. 16, 2021
Saturday, Nov. 13, 2021
Saturday, Dec. 18, 2021

Photo NMUSAF

See more at <https://www.nationalmuseum.af.mil/Upcoming/Press-Room/News/Article-Display/Article/2559372/national-museum-usaf-to-open-an-aircraft-one-day-each-month/>



The National Museum of the United States Air Force is Site #5 on the Aviation Trail.



Still Flying After All These Years ...and more

Collins Aerospace to upgrade B-52 wheel and brake system



One year ago, on April 15, 2020, the Aviation Trail blog series "This Month in Aviation History" featured a story on the 68th anniversary of the first flight of the Boeing B-52 Stratofortress in 1952. The story provided some background on the history of the B-52, plus its Dayton connection in the design stage. (See

<https://www.aviationtrailinc.org/post/this-month-in-aviation-history> to see last year's blog post).

Now, one year later, an announcement by Collins Aerospace on its Air Force contract to provide wheel and brake improvements opens the astounding possibility that the aircraft will continue in USAF operation for another three decades, and achieve a full century of service: <https://www.airforce-technology.com/news/collins-aerospace-upgrade-usaf-b-52-wheel-brake/>. Collins Aerospace is located at 101 Waco St, Troy, OH 45373.



Carillon Historical Park Announces \$9 Million Railroad Project



DAYTON, OHIO, April 8, 2021 – Carillon Historical Park announced today the construction of the Carillon Park Railroad; a nearly mile-long, 3' narrow gauge rail network, equipped with a replica 1851 locomotive, capable of carrying 120 guests on a narrated circle tour of Carillon Historical Park's exhibit buildings. The privately funded \$9 million project will feature two loading stations, passage through the newly reconstructed stable, a 100' long triple-cell ConSpan bridge, two open-air coaches, and rare views of Carillon Park. Excavations will begin this spring, and museum officials plan to have the attraction open by the end of 2022.



The Carillon Park Railroad is a major component of their campus-wide masterplan, and builds upon a concept conceived by Carillon Park founder Edward Deeds to include a large scale mid-19th century locomotive among the original exhibits. A miniature model, commissioned by Deeds in the 1940s serves as an inspiration for the endeavor. "It is a real pleasure to implement and expand upon a project that our founder was excited about", said Carillon Park President Brady Kress. "Achieving this milestone will provide a welcome

form of guest transportation around the Park, and will be one more way of sharing unique regional stories throughout our historic campus."

Throughout construction, Carillon Park will remain open and the exhibit buildings will be available for guests to enjoy. "We are also intentionally prolonging this construction project to work around the nesting habits of the resident American Bald Eagles on our campus. With almost non-stop construction over the past 5 years, they seem to enjoy the show below." said Kress. The new railroad will not replace, but rather complement the much smaller Rail & Steam Society trains operated since 1984 by dedicated volunteers on special days during the year.

Carillon Historical Park | 1000 Carillon Blvd. Dayton Ohio 45409 | daytonhistory.org

Carillon Historical Park is Site #4 on the Aviation Trail.



Early birds flock to WACO for S.T.E.M. Camps

WACO Summer Camp Registration:

WACO Air Museum, 1865 S County Rd 25A, Troy, OH 45373



It's time to register for camp! Don't let summer fly by without investing in your child's future in one or more of our highly popular summer STEM camps. Early bird prices end May 1st (see website for details).

ROBOTICS CAMP I (4th-6th grade) June 7-11, 7-8:30 pm
This STEM-focused camp uses LEGO bricks, gears, axles, motors, and sensors to teach our students concepts in science, technology, mechanics, engineering, and computer programming. Campers will program their robots with motorized attachments that complete programmed tasks. This camp fills quickly.

ROBOTICS CAMP II (6th-9th grade) June 14-18, 7-8:30pm
This is a camp for those who have completed Robotics I or have 1 year of FLL team experience. Our advanced instructors make this a great camp to develop continuing programming skills.

YOUNG ENGINEERS CAMP (3rd-5th grade) June 14-16, 9am-noon
This is a project-based learning environment where experimenting is encouraged. Your young Einstein will love engaging both brain and hands simultaneously while stepping through the engineering process.

AVIATION SUMMER ACADEMY (5th-8th grade) July 6-9, 8:30am-3pm.
This 4- day course will enrich our students' science and technology base by exposing them to "all things aviation." Through hands-on learning and fun we will walk them through the history, theory, and science of aviation. Ground school instruction and simulators prepare them for an introductory flight in a real airplane. Whether this sparks their interest in a future career in aviation or just deepens their knowledge and love of flying, our Aviation Summer Academy is an invaluable experience!

DRONE CAMP I (5th-6th) August 3-5, 9 am-noon

DRONE CAMP II (7th-9th) August 3-5, 1pm-4pm
Campers will learn of the exciting technologies and uses of drones. They will fly simulators and real aircraft, program flights, conduct missions, and analyze airborne collected data. Aerial obstacle courses and scavenger hunts will add fun elements to their learning experience.

FUN WITH FLIGHT (1st-3rd) August 9-13, 9am-11am
Young aviators will actively participate in a collection of STEM learning activities based on aviation-themed children's books. Hands-on activities will engage your child as they make discoveries from a glider's form and function to an airplane's force and thrust. Our little campers have so much fun they don't even realize how much they are learning!

WACO Learning Center is located at Historic WACO Field, 1865 S. County Road 25A in Troy, OH. Please visit www.wacoairmuseum.org, under the LEARN tab, for more information and online registration. Or...call WACO at 937-335-9226.

WACO Air Museum is Site #11 on the Aviation Trail.



Aviation Trail Online Gift Shop

See the Aviation Trail gift shop page at <https://www.aviationtrailinc.org/copey-of-gift-shop-pending>. Aviation Trail and Parachute Museum items can be purchased online, and are also offered in a special display at the Carillon Historical Park Museum Store. Purchases can be shipped to your home address, or can be picked up at the Carillon Historical Park Museum Store. See the store page for details.



Carillon Park Partners with NASA

Carillon Historical Park has partnered with NASA to help make history on the surface of Mars



Carillon Historical Park is home to the Wright Brothers National Museum and the world's largest repository of three-dimensional Wright Family artifacts. While the organization has partnered with NASA over the years, for this special mission they have provided a piece of Wright brothers' history to take part in the first heavier-than-air flight on the planet Mars. Stowed aboard Ingenuity, a small helicopter on the Martian surface, is a small fragment of the Wright brothers' 1903 Kitty Hawk Flyer wing covering provided by Carillon Historical Park.

Carillon Historical Park is delighted to play a small part in this momentous occasion," said Brady Kress, President of Carillon Historical Park. "Our mission includes 'inspiring the world.' We hope this partnership with NASA helps do just that – inspiring our world by reaching beyond it."

In 1903, Wilbur and Orville made the first controlled, sustained flight on Earth of a powered, heavier-than-air, piloted machine. Soon, Ingenuity will be the first heavier-than-air aircraft to make the first powered, controlled, and sustained flight on another world.

In 2019, NASA contacted Dayton History to explore a way the Wright brothers could be a part of the first flight on another planet. They needed something that really would not add any weight to the helicopter, which needed to weigh less than four pounds. The fabric was the best choice. Carillon Historical Park and the Wright family are proud to be a partner with NASA for this historic event.

Amanda Wright Lane and Stephen Wright, Wilbur and Orville's great grand-niece and nephew, spoke for the Wright brothers, "Wilbur and Orville Wright would be pleased to know that a little piece of their 1903 Wright Flyer I, the machine that launched the Space Age by flying barely one quarter of a mile, is going to soar into history again on Mars! The NASA Mars Perseverance Team has found a way to coax another 330 million miles out of the original Pride of the West fabric that Wilbur and Orville thought they retired from their Flyers broken wings on December 17, 1903. We offer our sincere thanks to everyone at NASA for acknowledging and honoring the Wright Brothers pioneering flight 118 years ago. Perseverance and ingenuity are traits often associated with the Wright's ultimate success. Now, two brilliant machines appropriately named Perseverance and Ingenuity promise to be the keys for the success of this Mars mission. The Perseverance Mission Team has pushed the boundary of the Wrights achievement propelling humanity toward a future two self-taught engineers from Dayton, Ohio could scarcely imagine. This is truly a milestone for science and engineering that the Wright Brothers would be proud to be a part of. Well done to all!"

In 1969, the Wright family gave Neil Armstrong a piece of the 1903 flyer fabric to take with him to the Moon. In 1998, Carillon Park and the family gave John Glenn, the first American to orbit the Earth, a piece of the fabric to take with him on his flight in the Space Shuttle.

For Dayton History photos see this link: <http://www.daytonhistory.org-carillon-park-partners-with-nasa/>

Carillon Historical Park | 1000 Carillon Blvd. Dayton Ohio 45409 | daytonhistory.org

Carillon Historical Park is Site #4 on the Aviation Trail.



Aviation Trail Memberships & Donations

See the **JOIN/DONATE** menu item on the Aviation Trail website to join, renew, or donate: <https://www.aviationtrailinc.org/>

Memberships and donations can be made on-line through secure payment on PayPal, or a Membership/Donor form can be downloaded from the Membership Page for mailing.





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www.aviationtrailinc.org

Yes! I want to support Aviation Trail, Inc.

Mr., Mrs., Miss, Ms. _____

Address _____

City, State, Zip _____

Phone (H) _____ (W) _____ (C) _____

E-mail Address (to receive online newsletter) _____

(Name to be used for recognition if different than above) _____

All levels of Aviation Trail memberships, except for Life Membership, are annual and are subject to renewal, at the desired level, by each January.

Membership Levels

I / We wish to remain anonymous.

_____ \$25.00 Senior (age 60+)

_____ \$75 Contributing

_____ \$1000 Patron

_____ \$30 Individual

_____ \$150 Supporting

_____ Other- I am a life member and would like to make an additional contribution

_____ \$40 Family

_____ \$1500 Individual Life Member*

(*May be paid in three annual payments of \$500 per year, mail in only)

_____ Donation - I would like to support Aviation Trail with a **DONATION** of \$ _____ to Aviation Trail

Please apply my donation to:

Membership Fund

Preservation Fund*

Wilbear Fund**

* Donations will be designated to promote and preserve historical aviation sites in the Dayton Region.

** Donations will be designated to promote and preserve the "Wilbear Wright" teddy bear program that promotes the Aviation Trail and its partner sites.

Check enclosed. Make payable to: Aviation Trail, Inc.

Mail to Aviation Trail, Inc. / PO Box 633 / Wright Brothers Station / Dayton, OH 45409

Members and donors receive an online subscription to the Aviation Trail newsletter, *Flight Log*, and advance invitations to Aviation Trail events and programs.

Online credit card payments may be made from our website. Secure payments are made through PayPal. See the **JOIN/DONATE** menu item on the Aviation Trail website to join, renew, or donate: <https://www.aviationtrailinc.org/>. **Or click the membership logo on the right >**



Donations to Aviation Trail, Inc., a 501(c)3 organization, in partnership with the National Park Service to promote Aviation Heritage in the Dayton region, are fully tax deductible.

Aviation Trail, Inc. / PO Box 633 // Wright Brothers Branch / Dayton, OH 45409 / www.aviationtrailinc.org