



Aviation Trail, Inc.

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.

News and Updates from "The Trail"

"The Flight Log" -

AVIATION TRAIL MAIL

PRINT VERSION: this file is a print version of the e-mail newsletter that is sent out on a free subscription basis. To get on the e-mail subscription list go to the Aviation Trail website at www.aviationtrailinc.org and subscribe by using the "Subscribe Now" button on the footer of each page. This version is more suited for printing hard copies than the e-mail version and is available on the Aviation Trail website "Newsletters and Brochures" page: <http://www.aviationtrailinc.org/newsletters>.



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

September 2022 ISSUE

9/01/2022

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

Above and Beyond

**New Interactive Exhibit at
National Museum of the U.S. Air Force
Sep 17 - Dec 15, 2022**



"Above and Beyond," an interactive science exhibition exploring transformative innovations in aerospace, will launch Saturday, Sept. 17 in the Museum's 4th Building. The 500-square-metre exhibition will offer an unprecedented interactive demonstration of advances in aviation and aerospace, from the first powered flights to the newest innovations on Earth and in space. Flight simulation, immersive theater, touch-table displays and augmented reality are examples of exhibit technology offering an experiential understanding of the scientific concepts behind flight.

This exhibit is FREE for all museum visitors.

*"Above and Beyond" is produced by Evergreen Exhibitions in association with Boeing and is locally sponsored by CenterPoint Energy. *Federal Endorsement Not Implied.*

Check for other NMUSAF events at
<https://www.nationalmuseum.af.mil/Upcoming/Events/>

The National Museum of the U.S. Air Force
1100 Spaatz Street
Wright-Patterson AFB OH 45433



Concours d'Elegance at Carillon Park

Sunday, September 18, 2022

Held each September, Concours d'Elegance is Dayton's premier antique and classic automobile and motorcycle show. Guests travel from across the map to witness this breathtaking display of "art on wheels"—some of the finest vehicles in the country.



The cars and motorcycles of the Fabulous '50s will be featured at the 2022 Dayton Concours on Sunday, September 18. There will also be special class featuring Marmon automobiles. The Dayton Concours d'Elegance at Carillon Park presented by AAA is the Midwest's premier classic & antique automobile and motorcycle show. The invitational event brings some of the finest historical cars and motorcycles together inside the grounds of the 65-acre historical park.

The Preview Party theme is the Fabulous '50s and will be held on Saturday, September 17, 2022.

See more at <https://www.daytonconcours.com>

For prices, parking info, and ticket purchases see this Dayton History link:
<https://www.daytonhistory.org/events/special-events/dayton-concours-delegance/>

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



**Dayton Concours d'Elegance
at Carillon Park**

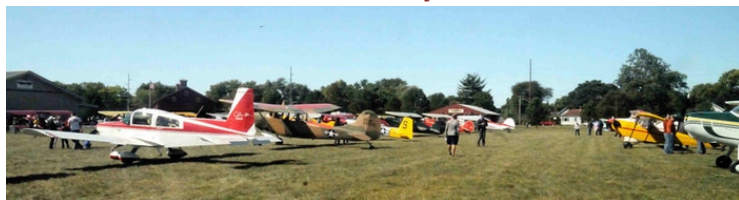
Carillon Historical Park is Site #4 on the Aviation Trail

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



29th Annual WACO Vintage Aircraft Fly-In!

Friday Sept. 16th to Sunday Sept. 18th, 2022
9 am to 4 pm



29th Annual

WACO Vintage Fly-In

September 16th - 18th 2022

Historic WACO Airfield, Troy, Ohio

• Rides • Exhibits • "Parade of WACOs" • RC demos • Candy Drop • Banquet • WWI Display •

All Day / Every Day Fri Sep 16 Sat Sep 17 Sun Sep 18

	Fri Sep 16	Sat Sep 17	Sun Sep 18
WACO Rides	8:00 Plane Rides all Day	Plane rides all day	Model T & A Car Show all day
Museum	9:00 Reveille	Reveille	Plane rides all day
Displays & Exhibits	10:00 Aircraft Arrivals	Kid's Activities	Parade of departing WACO's
Photo Ops	11:00 (View Aircraft, talk to pilots all day)	MVVM WWI Display	WWI planes & Dayton Ultralights 11-2
Kids Activities	12:00	Parade of WACOs	Premier Health Care Flight on display
	2:00	RC demo - Candy Drop	
	3:00		
	4:00	Rides End	
	5:00 Field Closed	Field Closed	Field Closed
	6:00	Fly-In Banquet	

Admission:

Adults: Daily \$6.00, Weekend Pass \$10.00 • Students: Daily \$3.00, Weekend Pass \$6.00 Child (under 4) free

Historic WACO

Preserving the past...
Inspiring the Future!

Historic WACO Airfield and Museum
1865 S County Rd 25A * Troy Ohio 45373
937 335-9226 * www.wacoairmuseum.org

General Aviation fly-ins welcome, admitted free!
Airport Designator: IWF, CTAF 122.9
A member of the National Aviation Heritage Area

WACO Air Museum & Learning Center
1865 S. County Rd. 25A
Troy, OH 45373
937-335-9226
www.wacoairmuseum.org

WACO Air Museum & Learning Center is Site #11 on the Aviation Trail



Woodland Cemetery & Arboretum

September Tours 2022



- Sept. 3rd at 10:00 a.m. - Outdoor Mausoleum Tour
- Sept. 6th at 10:00 a.m. - History, Mystery, Mayhem, and Murder
- Sept. 8th at 6:30 p.m. - Cemetery Symbols Tour
- Sept. 11th at 12:00 p.m. - Military Tribute Tour Honoring military men and women
- Sept. 14th at 10:00 a.m. - Arboretum Tree Tour - View the beginning of Fall colors
- Sept. 15th at 6:30 p.m. - Dayton's Walk of Fame Tour
- Sept. 17th at 12:00 p.m. - Historic Tour
- Sept. 20th at 10:00 a.m. - Historic Tour
- Sept. 21st at 6:30 p.m. - Historic Lantern Tour
- Sept. 27th at 10:00 a.m. - Sports Legends Tour
- Sept. 27th at 6:30 p.m. - Historic Lantern Tour
- Sept. 28th at 6:30 p.m. - Historic Lantern Tour

Groups and organizations are encouraged to schedule a tour through the cemetery or mausoleum. Look for a scheduled tour on our calendar or call us at 937-228-3221 to schedule a tour at your convenience.

Click on the link below to find all of the available tours and to register yourself and your friends.

Click Here: [Guided walking tours are now available and registration is open for all tours and events.](#)

Tours will launch rain or shine except in the event of thunder or lightning. Please plan appropriately.

Wear comfortable walking shoes. Bring a water bottle if needed.

To sign up for the Woodland newsletter see: <https://woodlandcemetery.org/newsletter-request/>

Woodland Cemetery and Arboretum
118 Woodland Avenue • Dayton, Ohio 45409
www.woodlandcemetery.org

Woodland Cemetery and Arboretum is Site #8 on the Aviation Trail



Tri-State Warbird Flying Showcase

September 24 @ 3:30 pm - 6:00 pm

TRI-STATE WARBIIRD MUSEUM

WARBIIRD

Flying Showcase

A FESTIVAL OF WARBIIRDS

September 24th, 2022

4021 BORMAN DRIVE • BATAVIA, OHIO 45103

Doors open: 3pm ★ Wheels up: 3:30pm

Festival of Warbirds! Showcasing more than 10 flying WWII aircraft!
General Admission \$50
Veteran Admission \$30
Member Admission \$45

Get Tickets!

Tri-State Warbird Museum • 4021 Borman Drive • Batavia, OH 45103
(513) 735-4500
<https://www.tri-statewarbirdmuseum.org>

Tri-State Warbird Museum is Site#15 on the Aviation Trail



Aerospace Legends Land in Dayton

**National Aviation Hall of Fame Event
Sept. 24, 2022**

September 24 at 11:30 at the Marriot at the Uni. of Dayton

**From Earth to Space:
The View from the Left
Seat of the Space Shuttle**



**Join journalist and filmmaker
Miles O'Brien for a panel
with some of NASA's most
talented astronauts!**



Eileen Collins



Hoot Gibson



Charlie Bolden



Bob Crippen

Celebrated pilot, journalist, and filmmaker Miles O'Brien will host four of NASA's most accomplished astronauts for a conversation from the unique perspective of the "driver's seat" of the space shuttle.

Panelists, each an Enshrinee of the National Aviation Hall of Fame, include;

- Former NASA Administrator and four-time shuttle astronaut Charlie Bolden
- First female shuttle pilot and first female shuttle commander and four-time shuttle astronaut Eileen Collins
- First shuttle test pilot and four-time shuttle astronaut Bob Crippen
- Former Chief Astronaut and five-time shuttle astronaut Robert "Hoot" Gibson

These legendary aviators will share their insights and perspectives about their time in the left seat of humanity's first reusable spacecraft.

REGISTER NOW!



National Aviation Hall of Fame
1100 Spaatz Street
Dayton, OH 45433
937-256-0944

<https://www.nationalaviation.org>

The National Aviation Hall of Fame is Site #6 on the Aviation Trail

... Parachute Museum continued from previous page

Parachute expert Dr. Jean Potvin, a physicist at St. Louis University (seen on the right in the photo), and Randy Zuercher, Curator of the Parachute Museum (in the dark blue shirt) conducted an introductory session and discussion, and then led the group on a tour of the facilities.



The Aviation Trail Parachute Museum
16 South Williams Street
Dayton, OH 45402 • (937) 225-7705

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



The museum is on the second floor of the Aviation Trail Visitor Center.

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

Girls in Aviation Day 2022

Sunday, September 25, 2022



**Girls
IN AVIATION DAY**
A Women in Aviation International® Event



In partnership with:
National Aviation Hall of Fame's
Wings of Women Day



Sunday, September 25, 2022

11am - 3pm

National Museum of the US Air Force

Come learn about aviation in the birthplace of aviation!

Free event for girl ages 8-17

Meet Col. Eileen Collins, USAF (Ret), 2009 National Aviation Hall of Fame Enshrinee and first female to pilot (STS-63 and STS-84) and the first female to command (STS-93 and STS-114) the Space Shuttle!

In partnership with:

theISTAT foundation



Southwest

MacAir
Aviation

sporty's
pilot shop

LIFT ACADEMY
LEADERSHIP IN FLIGHT TRAINING

Pre-register here:



WOW, Girls! The Sky Can Be Your Limit

For Attendee Registration and more information see:

<https://www.eventbrite.com/e/girls-in-aviation-day-2022-tickets-396537784187>

WPAFB Engineers Tour Parachute Museum

On Friday, August 12, 2022 a group of engineers and engineering students/interns from Air Force Research Laboratory and various other departments at Wright-Patterson Air Force Base visited the Aviation Trail Parachute Museum for a presentation and tour.



Parachute Museum continued on next page...

New Exhibit Opens at Parachute Museum

Joint Precision Air Drop System (JPADS)

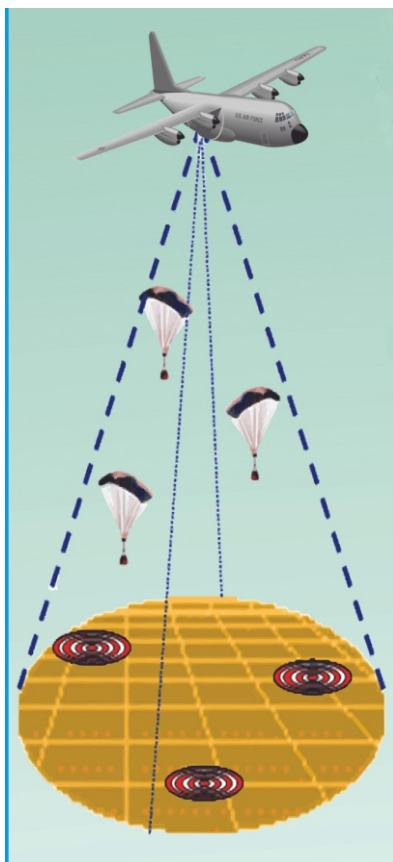


The Aviation Trail Parachute Museum has introduced a new exhibit as of August, 2022. On display is a fully rigged heavy payload shown as it would be prepared for an airdrop using the Joint Precision Air Drop System.

The Joint Precision Air Drop system (JPADS) is an American military air drop system which uses the Global Positioning System (GPS), steerable parachutes, and an onboard computer to steer loads to a designated point of impact (PI) on a drop zone (DZ). The JPADS family of systems, ranging from extra light to heavy loads. JPADS is used in conjunction with mission planning software that resides on a laptop. The function of this mission software included computing release points, weather forecasting, acquiring measurements of wind velocity, altitude, air pressure and temperature. It can also receive weather updates and in route mission changes through satellite links.



The first JPADS combat air drop with 2K Screamer system dropped from a US Air Force C-130 aircraft on 31 August 2006 over Afghanistan.

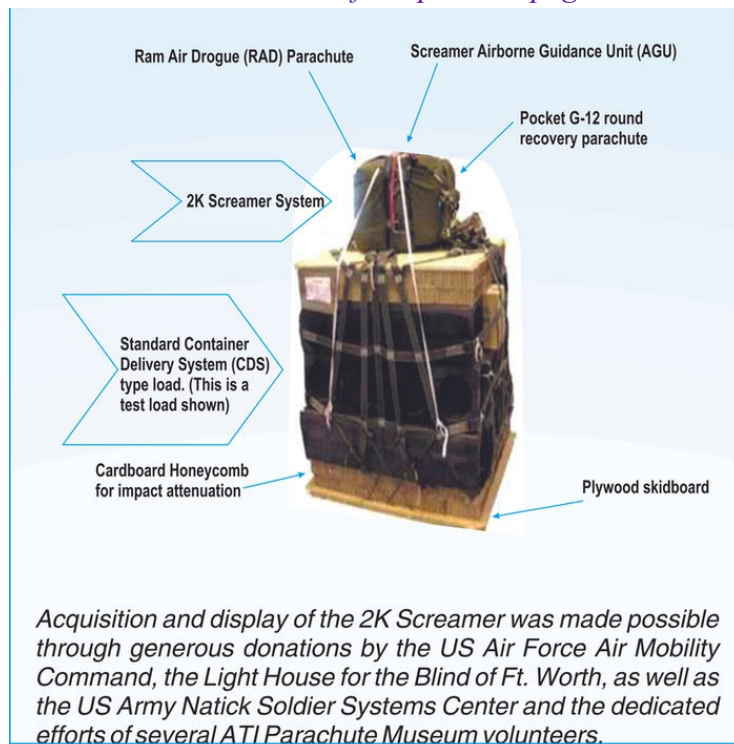


2K Screamer

One of the many JPADS systems tested, and the first to be used operationally, was the 2K Screamer system for loads from 500-2200 pounds. The 2K Screamer initially flies under a small 220 sq.ft. ram air drogue to glide to the target then just before

touchdown deploys a larger 56 ft. diameter round parachute for safely landing. See the diagram on the next frame.

... JPAD exhibit continued from previous page



Acquisition and display of the 2K Screamer was made possible through generous donations by the US Air Force Air Mobility Command, the Light House for the Blind of Ft. Worth, as well as the US Army Natick Soldier Systems Center and the dedicated efforts of several ATI Parachute Museum volunteers.

The Aviation Trail Parachute Museum

16 South Williams Street

Dayton, OH 45402 • (937) 225-7705

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



The museum is on the second floor of the Aviation Trail Visitor Center.

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



RTCA and NAHF Launch New Scholarship Program

RTCA powers professional development for Discovering Flight with the National Aviation Hall of Fame



Professional Learning Scholarship for Elementary School Educators



RTCA

The National Aviation Hall of Fame (NAHF) and RTCA, Inc. have partnered to create a new scholarship program targeted at educators teaching grades Pre-K - 6th grade.

Scholarship program continued on next page . . .

... Scholarship program continued from previous page

The purpose of the scholarship program is to support educators who are sharing the concepts of aviation and aerospace with students through the curriculum portion of the NAAHF's education program Discovering Flight with the NAAHF. The STEM/STEAM-based, multidisciplinary curriculum, Problem Solving with Wilbur and Orville, is created by ThinkTV/PBS and is a part of a course designed to empower educators and inspire students. The ideal candidates are educators who have a special interest in enhancing their knowledge and abilities through professional development in STEM/STEAM fields and who are pursuing continuing education credits in this area. RTCA and NAAHF plan to award five scholarships in the next 12 months.

"With the unmatched power of PBS, the NAAHF created a program designed to enable teachers to confidently teach STEM concepts", said Amy Spowart, President and CEO of the NAAHF. "The generous scholarships provided through RTCA create an opportunity to bolster educators' knowledge of STEM by providing support for additional development. We are thrilled by this partnership and what it offers educators.

The scholarship application will be available by September 30 and will be distributed in curriculum binders and through other channels including <https://rtca.org> and <https://nationalaviation.org>

The scholarship program supports both organizations' core values including demonstrating community support through enhanced STEM/STEAM educational opportunities, particularly in underserved areas.

"We are excited to team up with the National Aviation Hall of Fame on this unique and vital scholarship program", said RTCA President and CEO, Terry McVenes. "This program will provide a means for elementary school educators to confidently inspire future generations of aviation professionals that will attract and enhance our great industry."



About The National Aviation Hall of Fame- The National Aviation Hall of Fame strives to create a distinctive educational resource that will inspire future generations to appreciate our nation's extraordinary aviation heritage and the men and women who created it. Founded and based in Dayton, OH, the NAAHF's Heritage Hall & Education Center is committed to informing the public of American aviation heroes, their accomplishments, and their impact on advances.

About RTCA, Inc.- RTCA is a private, not-for-profit association founded in 1935 as the Radio Technical Commission for Aeronautics. The mission of RTCA is to inspire the creation and implementation of integrated performance standards that meet changing global aviation environment and ensure the safety, security, and overall health of the aviation ecosystem. For further information please visit the RTCA website at www.rtca.org.



National Aviation Hall of Fame • 1100 Spaatz Street, Dayton, OH 45433 • 937-256-0944
<https://www.nationalaviation.org>

The National Aviation Hall of Fame is Site #6 on the Aviation Trail



The Human Race Theatre Presents

"Grounded" - Sept. 8 - 25, 2022

"Grounded" tells the story of a hot-shot F16 fighter pilot whose unexpected pregnancy ends her career in the sky. After maternity leave, she is reassigned as a reluctant operator of remotely piloted aircraft in the Middle East. From an air-conditioned trailer in the desert near Vegas, the Pilot struggles through dreamlike 12-hour shifts hunting terrorists by day and being a wife and mother by night, leading her into a downward spiral. The lines crumble between home and professional worlds, and a mistake on the job might just cost her everything.

By George Brant
Directed by Emily N. Wells

<https://humanracetheatre.org/shows/grounded/>

CLICK HERE to order tickets



GROUND was first produced as a National New Play Network Rolling World Premiere by SF Playhouse (California), Borderlands Theater (Arizona), and Unicorn Theatre (Missouri). For more information please visit nnpn.org



The Human Race Theatre Company
Executive Director Kappy Kilburn
Box Office: (937) 228-3630
Administrative Office: (937) 461-3823
126 N. Main Street, Suite 300, Dayton, Ohio 45402-1766
<https://humanracetheatre.org>
The Human Race Theatre Company is a 501(c)(3) not-for-profit organization.



Aviation Trail Gift Shop

See the GIFT SHOP menu item on the Aviation Trail website at: <https://www.aviationtrailinc.org/> or **CLICK HERE.**



Shirts

Collectable Art Prints



Caps



Tumblers



Magnets



Pins



All transactions will be purchased from, processed by, and fulfilled by Dayton History, and can either be shipped to the purchaser or held for pick-up at Carillon Historical Park Museum Store at 1000 Carillon Historical Park, Dayton, OH 45409, (937) 293-2841. The products are in stock at the Carillon Historical Park Museum Store.



Aviation Trail Memberships & Donations

Join or Renew Now to Help Support Aviation Trail, Inc. and the Aviation Trail Parachute Museum



Membership
• Join
• Renew
• Donate
Help keep the Dayton area in the forefront of the world's aviation history, leadership and preservation.

Membership Reminder:

All levels of Aviation Trail memberships, except for Life Membership, are annual and are **subject to renewal, at the desired level, by each January.** Aviation Trail is now accepting memberships and renewal orders for 2022.

Aviation Trail Inc. is a 501(c)(3) non-profit organization.

Aviation Trail remains committed to upholding our mission of aviation awareness, education, preservation and restoration in our region. We need your support in order to be more than "The Birthplace of Aviation," but also the premier locale in the country to "Experience the Birthplace of Aviation." Your membership and donation support is critical in helping maintain that mission. Thanks for your support! 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.

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





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to promote Aviation Heritage in the Dayton region

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

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 >



Membership
• Join
• Renew
• Donate
Help keep the Dayton area in the forefront of the world's aviation history, leadership and preservation.

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