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Volunteer Coordinator  
Wright "B" Flyer, Inc.  
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# New airplane, original factory

Wright "B" Flyer Inc. is an all-volunteer, 501(c)(3) nonprofit based on Dayton-Wright Brothers Airport. It flies the "Brown Bird," a one-of-a-kind lookalike of a 1911 Wright Model B airplane.

For more than thirty years, the Brown Bird has inspired thousands with flybys from Dayton to Germany and given Honorary Aviators—including the late Neil Armstrong—the wind-in-your-face sensation of pioneer flight.

In recent years, the rise in invitations to display and fly our airplane at international venues has made it clear we need a new airplane that's easier for our volunteers to ship to distant locations and operate with a small support crew.

The new airplane project took off in 2014 when an individual with a passion for aviation heritage donated \$100,000 and offered to match another \$50,000. Our goal is \$300,000, including in-kind donations.

This project isn't simply about building another airplane. We want it to spark interest in aviation history, rekindle enthusiasm for flying and inspire future pilots and aerospace professionals.

Working with the National Aviation Heritage Alliance (NAHA) and the Experimental Aircraft Association (EAA), we're making the project an inspiring experience: building a new Model B in the original Wright factory and inviting aviation enthusiasts to be a part of the project.

You can be one of them.



Wilbur and Orville formed the Wright Company in 1909. The two buildings they erected in 1910 and 1911 turned out approximately one hundred-twenty airplanes by the time Orville sold the company in 1915. The "B" was its first and most popular model.

NAHA is working to preserve the factory and restore it as a unit of the Dayton Aviation Heritage National Historical Park. Our project will help generate interest in the factory and re-introduce a new generation to its history.

EAA is supporting our project with publicity, technical expertise and the chance to reach out to its membership for volunteer help.

In turn, we're offering EAA members and chapters a chance to put their names on this project—literally. Build a part at your own locations or in the factory, and your signature will be placed permanently in the airplane. You'll also be welcome to tour the Wright factory and follow our progress on the Internet.

# Give History WINGS

For a generation, Wright "B" Flyer Inc. has celebrated the heritage of the Wright brothers by flying and displaying a modern lookalike of their first production airplane—the Model B. Now, we're preparing to build a new one to ensure our mission continues for the next generation.

**Working with the Experimental Aircraft Association, we're offering EAA members and chapters a chance to build the next Wright "B" Flyer.**

**Learn how you can help.**



Return address:

# Make history with us—build a new Wright 'B' Flyer!



## What are we building?

The new Wright "B" Flyer will be a lookalike—not a replica—of America's first production airplane, the Wright Model B. We are using CAD software and modern materials in accordance with modern airworthiness standards and practices.

## Major design features:

- Steel tube frame and aircraft fabric.
- 1 modern aircraft engine, 200-hp class.
- Twin pusher propellers, chain driven.
- "FAA 2020" compliant avionics.
- Sized to fit in a standard 40-foot cargo box.
- Designed for easy disassembly and reassembly by a small crew.

## Who's designing it?

We have a volunteer team of engineers, test pilots and program managers with experience in the aerospace industry and military aircraft programs.

## Where are we building it?

Most construction and final assembly will take place at the original Wright Company factory site in Dayton, Ohio. The work area will be in a building adjoining the original factory buildings. Final assembly will take place inside the original factory. Some initial work will take place in Wright "B" Flyer's home hangar on Dayton-Wright Brothers Airport, about 14 miles south of the factory.

## What skills do we need?

We need skilled builders in these areas:

- Structural welding—main aircraft structure is steel tube welded.
- Fabric—wings are wood ribs, steel spars with fabric covering.
- Empennage—steel structure with fabric cover.
- Wire and cable expertise.
- Electrical—aircraft wiring.
- Brakes—conventional hydraulic.
- Flight Controls—some torque tube, some cable/pulley.
- Propulsion—standard Lycoming engine installation with chain driven propellers.

## Not a builder? Not a problem.

We need docents, writers, photographers, graphic artists, event planners, fundraisers—all the skills needed to operate a nonprofit organization with a mission of promoting and interpreting aviation history. Not sure where you could fit in? Call or email us, and we'll figure out a way you can be involved.



## How can chapters/individuals get involved?

Chapter home-site support

- We will have sub-assemblies and individual parts that can be built at a chapter's home location.
- We will provide construction drawings and materials.
- We will provide need-by dates and technical help, as required.

Dayton area

- We will publish a build schedule so chapters with needed expertise can select opportunities to come to Dayton and build.
- Functional expertise.
- If you have skills we need, we can negotiate time and location.

## Do I need to be an EAA member?

No. Not all of our volunteers are EAA members. Even so, we think EAA is a great community for anyone with a passion for aviation, and we urge you to join both EAA and Wright "B" Flyer Inc.

# Count us in!

I/my EAA chapter wants to help build the next Wright "B" Flyer. Please contact me to discuss specific ways I/we can be involved.

Name: \_\_\_\_\_

EAA membership No. \_\_\_\_\_ EAA Chapter: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

Email: \_\_\_\_\_

Skills: \_\_\_\_\_

Chapter resources (i.e., machine shop, special tools): \_\_\_\_\_

Past projects completed: \_\_\_\_\_

## I want to join Wright "B" Flyer Inc.

Our basic membership is \$25. Send a check to the address on back or visit our website to learn more about membership levels: <http://wright-b-flyer.org>  
Call: (9-2:30 Tues, Thurs, Sat): (937) 885-2327  
Email: [wbflyer@dayton.net](mailto:wbflyer@dayton.net)

## I want to make a financial donation.

Please mail checks to:  
National Aviation Heritage Alliance  
Re: New Wright "B" Flyer Project  
PO Box 414, Wright Brothers Station  
Dayton, OH 45409  
Or: Go to [wright-b-flyer.org](http://wright-b-flyer.org) and click on "Donate"

**Thank you for your support!**

