

January 2017



# EAA CHAPTER 145

SINCE 1962



**Brunch Meeting: Saturday, January 14, 2017 – 10:00 am**  
**Riverview Airport (08C) in the big hangar**

## **DUES ARE NOW BEING COLLECTED**

Dues of \$35.00 are payable to "EAA CHAPTER 145" and can be mailed to Bob Swietek at the address listed at the end of the newsletter or brought to the monthly chapter meeting. If you need to make any updates on your contact information, please include the tear-off slip for member data update with your payment.

## **CHAPTER MEETING**

Terry Hallett of Hummel Aviation will be presenting this month. He'll be telling us about the Hummelbird, the Ultracruiser, and the H5. It is a light, efficient bird, typically using the 1/2 VW for its power. Terry will be bringing a new fuselage he is building, and will set-up in the main hangar at Riverview. All pilots and friends of aviation are invited to attend this dynamic meeting.



## INSIDE THIS ISSUE

- 1 Hummel Aviation
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## **PRESIDENT'S CORNER**

Welcome to a New Year. Here is a sample of some of the programs, events, and activities that EAA chapter 145 participated in 2016. How many do you remember?

- William Tramer from L-3 – ADSB equipment
- Mark Lynne – metal forming demo
- Chris Young - Stratux ADSB-IN projects
- Andy Matthews – iFlightPlanner
- Weeks Hangar Work Party - Chapter 145 trip to Oshkosh
- Boy Scouts Aviation Badge – Young Eagle Flights
- W.M.F.A. Y.E. Support
- GAAA Young Eagle Event – EAA145
- SMAT Open House– EAA145 A/C parking
- GRR Tower Tour – Kevin Hanson
- Howard DGA-15 – Roger Brown
- USAF Museum flying trip - Riverview pilots
- WX24 Pilot - Paxton Calvanese
- Riverview Airport Bonfire
- Aviation Weather – Kyle Underwood



## PRESIDENT'S CORNER - continued

WOW! Local EAA chapters do a lot to promote grass roots aviation. A chapter is only as good as the individual members make it. I'm proud to be part of EAA145 with all of the hardworking, dedicated officers and members. I don't have room to list all the names, but you all know who you are. So thank you for all you do. I feel the 2017 will be another rewarding year for our Chapter.

Blue Skies in the New Year, Dick

## CHAPTER 145 POLO SHIRTS

We are now accepting orders for Polo shirts with the Chapter 145 logo on them. Short sleeve style are \$26.00 (in light blue color) or long sleeve for \$34.00 (in white color). Caps in royal blue are also available for \$15 each. A sign-up sheet will be at our next meeting, or see Bob Swietek for more information.

## EAA145 HANGAR

- Herb Harney has mounted the engine on his RV and working on all the connections.
- The Chapter paint booth is in use and working well.
- Hangar space is available for anyone working on a project. Contact Dick Foster for details.

## MAXIMIZING YOUR MEMBERSHIP

The EAA website has a wealth of information at your fingertips.



You have access to over 50 years of "Sport Aviation" magazine archives. There is a searchable database, so you can do a search on your favorite type of aircraft, homebuilder hints, or author or noteworthy aviator. I find it interesting to search on the articles in the September issues each year – I like looking in the background of each picture and see how Oshkosh has changed and grown over the years. Also, it is interesting to see the new designs that show up at Oshkosh each year.

Just think of all the "Hints for Homebuilders" articles you can use to learn about welding, fabric repairs, riveting, etc. There's over 50 years of knowledge out there. If you've ever thought "why hasn't someone thought of this" – it probably can be found in the "Hints for Homebuilders" archive.

Under the **EVENTS** tab, you can search for local fly-ins, or pancake breakfasts. Under the **EDUCATION & RESOURCES** tab, there are Discussion Boards where you can enter conversations with other builders. You can gain from their knowledge as well as share your knowledge. In the Webinars selection, you can listen to important aviation figures give speeches about timely topics.

Also, you can subscribe to various electronic newsletters; under the **NEWS & MEDIA** tab, then select E-mail Newsletters: You can sign-up for newsletters of 'BITS AND PIECES', 'E-HOTLINE', 'CHAPTERGRAM', 'EAA VOLUNTEER', 'WARBIRD BRIEFING', 'VINTAGE AIRMAIL', and 'IN THE LOOP'.

Take a look at the video page, [www.eaavideo.org](http://www.eaavideo.org) There are over 1200 videos online. They range from interviews of important aviation legends, hints for homebuilders, general aviation, vintage aircraft, warbirds, ultralights, light sport aircraft, and webinars.

EAA Video Player

powered by 

Most Recent Most Popular



Under the **AVIATION INTERESTS** tab, you can choose the subset of aviation that is of interest to you: homebuilts, ultralights, warbirds, vintage, etc. Then you can select "Pilot Resources" area to find a flight advisor, find a local flying club, answer questions about your medical, and finding a Designated Airworthiness Representative.

And don't forget about the monthly computer desktop background. The picture is very high quality, and has a handy calendar for quick reference during the month.

Between the reading content choices of the magazines, the main front-screen with the news alerts, the forums, webinars, and the videos page – all that content could keep anyone busy for years. That is what EAA is about, sharing the knowledge of aviation, be it building tips, general entertainment, advocacy, piloting skills, etc. Spending some time on the various EAA websites will expand your aviation knowledge and entertain as well.



## SportAir Workshops

So when you're ready to pull the trigger and start a project, look into attending one of the Sport Air Workshops. They offer classes in composite construction, electrical wiring, fabric covering, gas welding, tig welding, sheet metal construction, and a few other classes. The workshop will build confidence and competency that will be important to completing your project. Most classes seem to be \$349 and take place over 2 days.

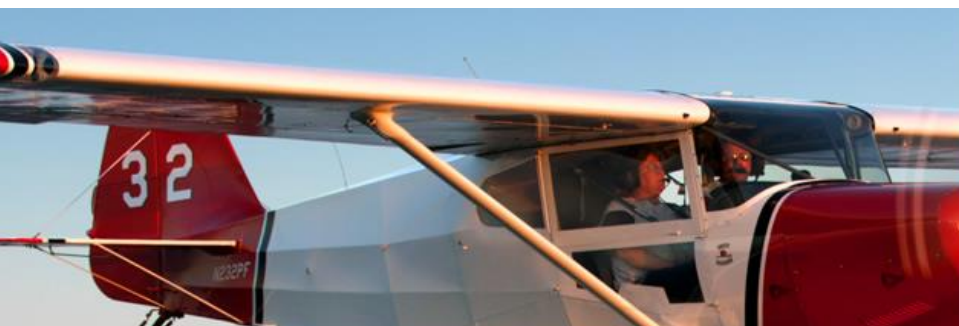
Click on the "Workshops" tab, and a description of the class and short outline will show you what to expect to learn from the class. There's a "Frequent Questions" tab to help with general information. Under the "How To" tab there are articles about each area of interest – fabric covering, composites, electrical systems, wood airplanes, aluminum airplanes, etc.

Considering your time and effort and cost in starting & finishing an airplane, the Sport Air Workshops seem like a good investment to make.

**[www.eaa.org/en/ea/aviation-communities-and-interests/homebuilt-aircraft-and-homebuilt-aircraft-kits/resources-for-while-youre-building/registering-articles/overview-of-how-to-register-and-certify-your-homebuilt](http://www.eaa.org/en/ea/aviation-communities-and-interests/homebuilt-aircraft-and-homebuilt-aircraft-kits/resources-for-while-youre-building/registering-articles/overview-of-how-to-register-and-certify-your-homebuilt)**

The link above brings you to an article **Overview of How to Register and Certify Your Homebuilt**. It also can be found by clicking thru the website:

[Aviation Interests](#) / [Homebuilders](#) / [Resources for While You're Building](#) / [Registering Articles](#) / [Overview of How to Register and Certify Your Homebuilt](#)



### HOMEBUILDERS

## Dream It. Build It. Fly It.

A tradition that began with the Wright brothers continues today with you. The art of building an aircraft is the stuff of dreams. Until, that is, you build it and take to the sky.

[▶ Learn More](#)

# ASTC TRAVEL PASSPORT PROGRAM

**Enjoy free admission to museums worldwide with your EAA membership**



EAA members can enjoy more than 300 museum and science centers worldwide **free of charge**, thanks to a partnership with the Association of Science-Technology Centers and its ASTC Travel Passport Program.

Taking advantage of the ASTC Travel Passport Program is easy. Show your EAA membership card at the admissions area of the museum you are visiting\* to gain access to their facilities for free.\*\*

Visit [www.astc.org/passport](http://www.astc.org/passport) for a list of participating museums. Remember to present your EAA membership card to receive your free admission.

\* Facility must be located at least 90 miles or more from both the EAA AirVenture Museum in Oshkosh, Wisconsin and your home address.

\*\* Any special display areas with an additional charge in the museum you are visiting are excluded

[www.astc.org/wp-content/uploads/2014/09/ASTCTravelPassport-Public-6ptfont-NOV2016.pdf](http://www.astc.org/wp-content/uploads/2014/09/ASTCTravelPassport-Public-6ptfont-NOV2016.pdf)



## ASTC Travel Passport Program Participants

November 1, 2016–April 30, 2017

As a member of an institution participating in the ASTC Travel Passport Program, you are eligible for benefits such as free **GENERAL ADMISSION** when you travel outside of your local area. These benefits **DO NOT** include free or discounted admission to special exhibits, planetarium and larger-screen theater presentations, nor do they include museum store discounts and other benefits associated with museum membership unless stated otherwise.

### EXCLUSIONS

1. Science centers & museums located within 90 miles\* of the science center/museum where the visitor is a member.
2. Science centers & museums located within 90 miles\* of the visitor's residence.

\*This distance is measured "as the crow flies," meaning that it is based on the linear radius, not driving distance.

### BEFORE YOU TRAVEL CHECKLIST

- Make sure the science center/museum you are visiting is not excluded (see above exclusions).
- Review that science center/museum's family admittance policy below (denoted by "F"). Call before you visit to confirm your Passport Program benefits.
- Pack your ID (or other proof of residence). Admissions staff reserve the right to request proof of residence for benefits to apply. Passport Program venues requesting proof of residence are marked by (✓IDs).
- Pack your membership card. Passport Program venues are not required to grant benefits to visitors who forget their cards. There is no universal database with all Passport visitors' member data for admission staff to reference. Some venues will allow you to call the science center or museum you joined to confirm your membership, but they are under no obligation to do so. Lost your card? Please contact the science center or museum which you joined. ASTC does not issue or administer membership cards.

### CALL BEFORE YOU VISIT TO CONFIRM YOUR TRAVEL PASSPORT PROGRAM BENEFITS.

#### ALABAMA

**Anniston Museum of Natural History**  
800 Government Drive, Anniston, AL 36202  
(256) 237-6766 [www.annistonmuseum.org](http://www.annistonmuseum.org)  
F: All living at one address

**Gulf Coast Exploreum Science Center**  
65 Government Street, Mobile, AL 36602  
(251) 208-6893 [www.exploreum.com](http://www.exploreum.com)  
F: Four persons, one of whom must be a cardholder. Free admission limited to permanent galleries only. Fees will be assessed for IMAX and certain traveling exhibits. Photo ID required for cardholder.

**Mary G. Hardin Center for Cultural Arts**  
501 Broad Street, Gadsden, AL 35901  
(256) 543-2787 [www.culturalarts.com](http://www.culturalarts.com)  
F: All family members residing in the same household

**McWane Science Center (✓IDs)**  
200 19th Street North, Birmingham, AL 35203

**Kitt Peak National Observatory Visitor Center**  
State Route 386, Tucson, AZ 85726  
(56 miles southwest of Tucson)  
(520) 318-8726 [www.noao.edu](http://www.noao.edu)  
F: Ten percent gift shop discount; free tours for immediate family members

**Lowell Observatory**  
1400 West Mars Hill Road, Flagstaff, AZ 86001  
(928) 774-3358 [www.lowell.edu](http://www.lowell.edu)  
F: Two care-giving adults and immediately supervised children

#### ARKANSAS

**Mid-America Science Museum (✓IDs)**  
500 Mid-America Boulevard,  
Hot Springs, AR 71913  
(501) 767-3461 [www.midamericamuseum.org](http://www.midamericamuseum.org)  
F: Up to five people, one must be named on card. \*\$5 admission for current Museum of Discovery members.\*

**Museum of Discovery**

**Columbia Memorial Space Center (✓IDs)**  
12400 Columbia Way, Downey, CA 90242  
(562) 231-1200 [www.columbiaspacecenter.org](http://www.columbiaspacecenter.org)  
F: Two adults and three children

**CuriOdyssey (✓IDs)**  
1651 Coyote Point Drive, San Mateo, CA 94401  
(650) 342-7755 [www.curiodyssey.org](http://www.curiodyssey.org)  
F: Parents or grandparents (two adults) and up to four children under 18 in same household. Parking not included.

**Explorit Science Center**  
3141 Fifth Street, Davis, CA 95618  
(530) 756-0191 [www.explorit.org](http://www.explorit.org)  
F: One or two adults; children 18 and younger living at member's address. \*Call ahead for hours.

**Gateway Science Museum (✓IDs)**  
625 Esplanade, Chico CA 95926  
(530) 898-4121 [www.csuchico.edu/gateway](http://www.csuchico.edu/gateway)  
F: Two adults and up to four children, from the same household

**MOXI, The Wolf Museum of Exploration + Innovation (opens in early 2017)**  
125 State Street, Santa Barbara, CA 93110  
(805) 708-2282 [www.moxi.org](http://www.moxi.org)  
F: Contact for information

**Natural History Museum of Los Angeles County / La Brea Tar Pits Museum**  
900 Exposition Boulevard,  
Los Angeles, CA 90007  
(213) 763-3426 [www.nhm.org](http://www.nhm.org)  
F: Two adults and up to four children. Includes La Brea Tar Pits and Museum, 5801 Wilshire Boulevard, Los Angeles, CA 90036.

**Placer Nature Center**  
3700 Christian Valley Road, Auburn, CA 95602  
(530) 878-6053 [www.placernaturecenter.org](http://www.placernaturecenter.org)  
F: Two adults (parents or grandparents) and dependent children 18 and under. Museum is free; Passport visitors receive free and discounted workshops and programs, and use of trail exploration discovery kits.

**San Diego Science Center**

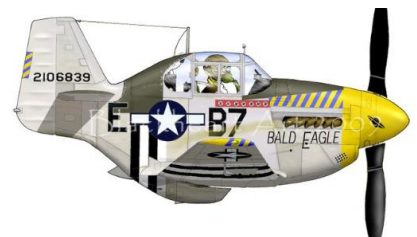


Jim Weir writes for the Kitplanes Magazine since October 1977 (Making A Ground Station) and since October 1995, he's been doing a regular column called AeroLECTrics. He has articles about antennas, headsets, LED's....basically anything electrical.

**NAME THAT ENGINE**



The engine above was seen this year at the Reno Air Races. Maybe by next year we'll see it mounted to the fastest ever piston powered aircraft.... probably be a bit nose heavy.





EAA Chapter 145 website: [www.145.eaachapter.org](http://www.145.eaachapter.org)

EAA National website: [www.eaa.org](http://www.eaa.org)

Riverview Facebook: [www.facebook.com/pages/Riverview-Airport/115468211816419](https://www.facebook.com/pages/Riverview-Airport/115468211816419)

### UPCOMING EVENTS

Jan 1	Nappanee Muni (C03)	New Years Day Fly-In – Chapter 938
<b>Jan 14</b>	<b>Riverview Airport (08C)</b>	<b>meeting – Hummel Aviation, Terry Hallett</b>
Jan 28/29	Oshkosh (KOSH)	SportAir Workshops – Metal, Wood, Fabric, etc
<b>Feb 11</b>	<b>Riverview Airport (08C)</b>	<b>meeting – G&amp;N Aviation (Lycoming) Jim Yearsich</b>
<b>Mar 11</b>	<b>Riverview Airport (08C)</b>	<b>meeting – Homebuilding Paperwork/Records</b>

**If you know of events that should be on the event calendar, please e-mail them to me**  
 If you would like to be on the e-mail list for meeting and event reminders, or if you would like to receive the newsletter electronically, which is full color and delivered days before the print version... please send your e-mail address to:  
[randall.houtman@dematic.com](mailto:randall.houtman@dematic.com)

**The 2017 Officers for EAA145:**

President, Dick Foster  
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 Newsletter Editor, Randy Houtman  
 (913-5908 [randall.houtman@dematic.com](mailto:randall.houtman@dematic.com))

<b>Treasurer's Report:</b> (As of Jan 1rd)	
Liabilities:	\$3500.00
Cash:	\$97.62      Checking: \$136.69
Savings:	\$6575.98      Total: \$7020.29

Website Editor, Bill Willyard  
 ([wgwillyard@att.net](mailto:wgwillyard@att.net))

<b>EAA CHAPTER 145 MEMBERSHIP APPLICATION / RENEWAL FORM</b> DUES ARE \$35.00 PER YEAR – JANUARY 1st to DECEMBER 31st	
Name _____ Co-Pilot / Spouse _____ Address _____ City _____ State / Zip _____ e-mail address _____ Home Phone _____ Work Phone _____ National Membership # _____	Aircraft Owned _____ _____ Projects / % Complete _____ _____ Bring this form to the next meeting or mail to:  EAA Chapter 145 Treasurer 6962 Bridgewater Dr. SE Grand Rapids, MI, 49546