

February 2019



EAA CHAPTER 145

SINCE 1962



Chapter Meeting: Saturday, February 9, 2019 – 10:00am
Riverview Airport (08C) in the big hangar (see map on last page)

CHAPTER MEETING

This month, our host will be Scott Dykstra. He was researching vinyl wrapping his airplane versus finishing with paint... and decided on the vinyl wrapping process.

Scott will share with us his decision making process, the pros and cons of vinyl wrap vs paint, and will bring in sample material. This talk will help you see if vinyl wrapping your airplane is the way to go.

PRESIDENT'S CORNER

During this "cool" Michigan weather, I find time to prepare for the better Flying Weather. One thing I've done is renew my Youth Protection Policy so I'll be ready to work with the Young Eagles program this summer. In the past 25 years, EAA145 has flown over 5000 Young Eagles. This has made a definite impact on sport aviation, let's keep it up!

Here is what you need to know about EAA's Youth Protection Policy: All people who want to help with Young Eagle activities this year have to complete the requirement for the EAA's Youth Protection Policy. EAA has it setup on the EAA web site, so it's easy to do and only takes 10 minutes. In order to access the **Youth Protection Training** you will need to sign in to your account at EAA.org.

I encourage everyone to get registered; it's easy, free and will help the youth in West Michigan.

Cheers, Dick

EAA145 HANGAR

- Todd Verhage is installing a new engine analyzer on his powered parachute.
 - Scott Dykstra moved his RV-9A into the hangar for final assembly details, details, details.....
 - The Chapter now has a form for members to fill out if they want to put a project in the hangar.
- Contact Dick Foster for details.

YOUNG EAGLES

Plans for 2019 are developing. So far, we are working on these Young Eagle events with other chapters: Grand Haven (EAA211) June 1 and July 13, Sparta (EAA704) August 10. We are also working with a couple of organizations to support youth aviation: Plainwell Aviation and STEM Academy (PASA) and Grand Valley State University (GVSU). Be sure to read the PRESIDENT CORNER in this newsletter to find out about the requirement for a "certificate" to help in the Young Eagle activities.

WEEKS HANGAR TRIP

The date for EAA145 annual trip (29th year in a row) to the Kermit Weeks Hangar is the weekend of April 26 to 28. Contact Dick Foster for more information.

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BOARD MEETING MINUTES

At the beginning of the new year the officers get together and discuss the state of Chapter #145 and the year to come. Following are the minutes of that meeting:

EAA Chapter 145 Board Meeting Minutes January 12, 2019

Members Present: Pres. Dick Foster, V.P. Bruce Whitman, Sec/Treas Bob Swietek, Newsletter Randy Houtman, Website Bill Willyard, Nicholas Baine and Rick Saliers.

Membership: qty(42) members, with qty(12) not paid up for 2019. Increased membership helps the chapter on all sides: finances, help with events, aviation knowledge, and comradery. If you have friends, family, or co-workers that like aviation, suggest they join our chapter.

Finances:

Balance beginning of 2018:	\$6116.45
Balance end of 2018:	\$6440.01
(minus hangar rent of \$3060.00)	
Balance as of Jan 6 th 2019:	\$3380.01

Anticipated	Hangar rent:	\$3060.00 (paid 1-9-19)
2019 Expenditures:	Corp. License:	\$25.00 (paid 7-30-18)
	Propane:	\$350.00
	Chapter Registration:	\$520.00 (paid 12-21-18)
	Christmas brunch:	<u>\$100.00</u>
	Total:	\$4055.00

EAA Chapter Hangar: The chapter has a hangar for the use of members and their projects. The EAA chapter hangar has a reference library. We will be revising the contents based on usefulness. The hangar has most of the tools needed to build your very own aircraft. There is a Chapter Hangar Use form, with suggested donation levels.

Fund Raising Ideas: 42 members x \$35 = \$1470 which is short of the \$4055 expenditures needed to run the chapter. Fund raising ideas were discussed, and included: Cookouts, Pancake Breakfast Fly-Ins, "50/50" Raffles, Chili Cookout Fly-In, Poker Run, Camping event @ Riverview, Paper Lantern sales, T-shirts with Sponsorship sales, Advertising Sponsors in newsletter, Ford Tri-Motor flight sales, Griffins / Whitecaps 50-50 raffle sales. If anyone has fund raising ideas please talk with a chapter officer.

2019 Monthly Programs: February: Herb Harney – Yellowstone Flying Trip, March: Scott Dykstra – Vinyl Wrapping an aircraft, Dennis Hutchinson – Davis DA-2 Restoration for April - if anyone has ideas for monthly meetings please talk with V.P. Bruce Whitman.

Special Events with other EAA Chapters: For events with a wide interest (STRATUX DIY ADS-B, Aviation Weather, etc) we will announce this to neighboring EAA chapters. This helps communication between groups and aids in keeping the aviation-minded people close, and not feel isolated. Also, if another chapter has an event, we will not plan an event for Riverview. Multiple events around the area takes away the amount of folks that will attend our events.

Camping Flights/Big Tour Flights: the chapter will keep in contact Herb Harney and other area pilots to get trip locations and dates, then pass on information in the newsletter and on the bulletin board.

Chapter Group Flights: Fly outs for the group were discussed. This would allow aircraft with limited size and speed to participate in



the group flying activities. Destination examples include Mackinaw Island, Beaver Island, Watervliet camping, Charlevoix, etc.

Oshkosh '19: Bruce Whitman cannot coordinate chapter camping this coming year, so we will have to find someone to be the chapter coordinator. If there is no interest, we could lose our "legacy" saved spot that has been the home for #145 for so many years. Chapter campsites will be staked out in the order requests are processed. Chapters that wish to sign up for chapter camping must be registered and paid for by June 30, 2019

Activity Planning: Activities for the upcoming year were discussed, among those were Oshkosh Airventure, Young Eagle flights, Eagle flights, Boy Scouts of America Aviation Merit Badge Day. Besides the October bonfire and Christmas brunch, we talked about a Riverview Airport Open House day, and a Chili Cookoff Fly-In event.

There is interest from a few S.T.E.M. programs in the area. A group from Grand Valley, and a group from Rockford are looking to aviation and how it relates to science and technical fields. We would work with those groups to tell them the many career paths aviation offers, and the science behind the way aircraft are able to fly.

Membership Directory: we discussed making a chapter membership directory. The directory would help bring members together, and locate someone that has a project the same or similar to theirs. Or if someone has special skills that could help others (CFI, A&P License, IA, welder, etc). The directory would help knowledge-transfer and foster conversations, and help members get to know each other better. The directory would have contact information, aircraft owned or built, special technical skills, ratings earned, etc.

Riverview Hangar Directory: Discussion was had on the best way to publish the hangar directory of Riverview Airport. The directory allows people that have an interest in a particular type of airplane (RV, Cub, Rans, 182, etc) to find and gain knowledge on that airplane type (pros/cons, costs, flight behavior, maintenance issues). The directory allows owners of same or similar types to find each other and share ownership knowledge. The directory may be combined with the EAA membership directory.

Other: If anyone has ideas / concerns for the chapter, please talk with any chapter officer. This group can excel when everyone contributes. The group allows members to make connections with other aviation minded people, to learn and share knowledge in this technical field, to inspire and be inspired to move ahead with new skills or venture off to the next destination.

We want to thank those that helped with events and went the extra mile, we could not have done it without you. The Boy Scouts Aviation Badge program was well attended and we had good volunteers to make the day go smoothly. The Wings of Mercy, Grand Haven, and Greenville Young Eagles event are always hectic, but with enough people we manage to succeed and produce a good event.

Submitted 1/15/19 Randy Houtman



KALAMAZOO AIR-ZOO OPEN COCKPIT WEEKEND

The Kalamazoo Air-Zoo Museum opens up some of the cockpits of selected aircraft in the month of February. See the following list for the dates & aircraft. Entry to the Air-Zoo is
 Adults = \$15.95 Seniors 60+ yrs = \$12.95 Children 5-18 yrs = \$14.95 Children
 0-4 yrs = FREE Military/Veteran Discount = 50% off

February 1-3
February 8-10
February 15-17
February 22-24

P-47 Thunderbolt, A-1 Skyraider, Grumman Mallard
B-25 Mitchell, Cirrus VK-30, Grumman F6F-5 Hellcat
Boeing Stearman, Grumman Mallard, Bell P-39 Airacobra
Ford Tri-Motor, Cirrus VK-30, North American AT-6



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 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

https://www.astc.org/wp-content/uploads/2018/10/ASTCTravelPassport_6pt_Nov2018-Apr2019.pdf



ASTC Travel Passport Program Participants

November 1, 2018–April 30, 2019

As a member of an institution that participates in the ASTC Travel Passport Program, you are eligible for benefits such as free **GENERAL ADMISSION** when you travel outside of your local area to the other participating institutions listed here. These benefits **DO NOT** 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 and museums located within 90 miles* of the science center/museum where the visitor is a member.
2. Science centers and 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.

The ADS-B deadline of January 1, 2020 is fast approaching.

Are You Ready?



333
days

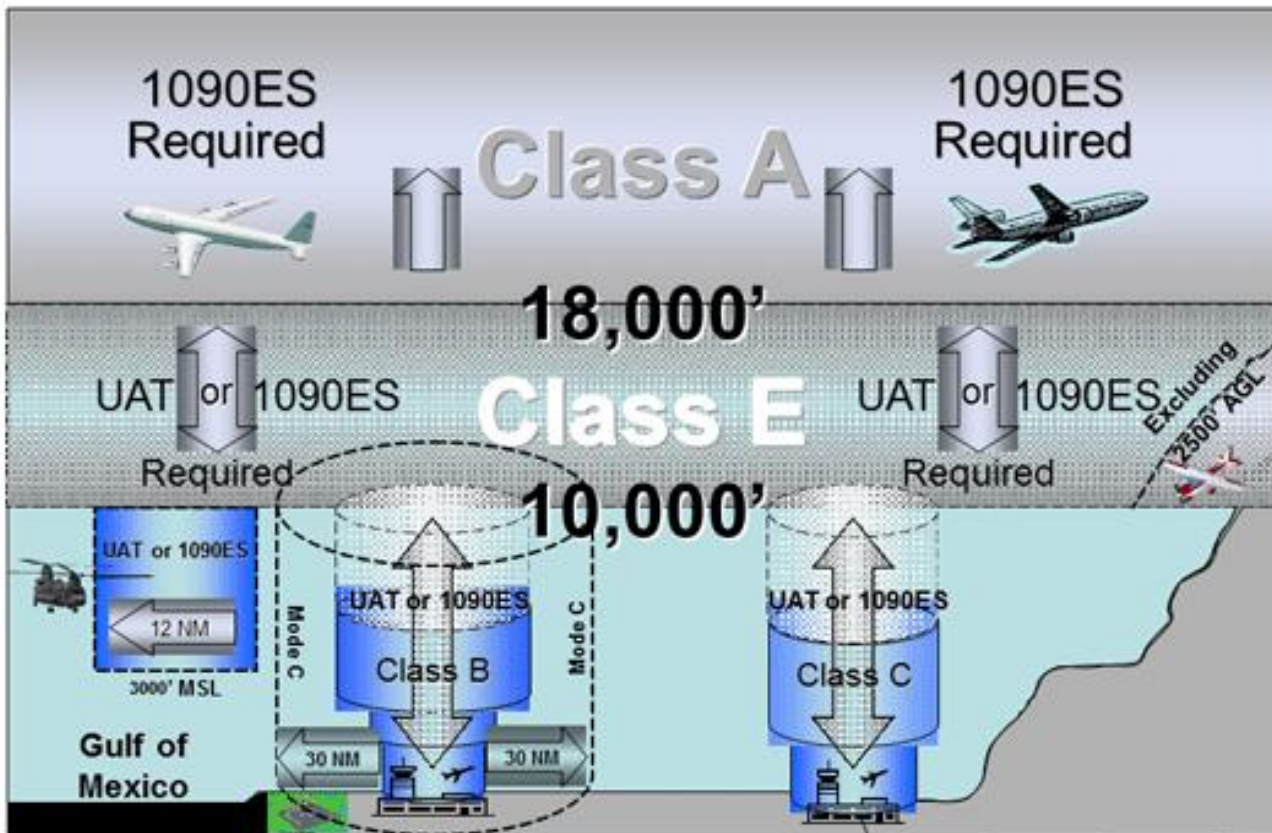
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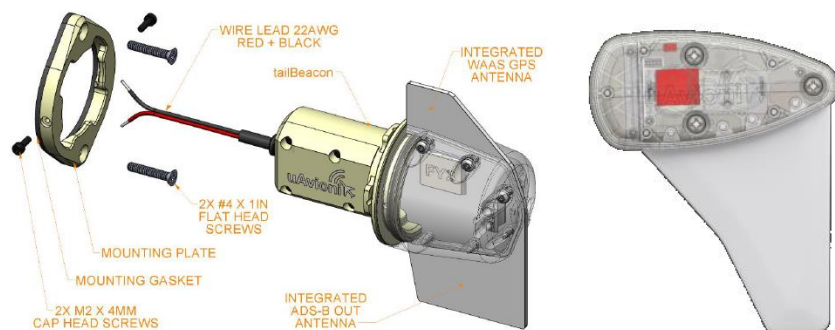
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seconds

ADS-B REMINDER

Like it or not, just one year from now ADS-B will be required to get into Class B and C airspace. Those rules say that by 2020, all aircraft will be required to have ADS-B Out equipment to fly in Class A, B and C airspace, plus Class E airspace above 10,000 feet but not below 2,500 feet. You'll also need it within the 30nm "Mode C Veil" around Class B airports. So in general you'll need ADS-B Out most of the places you need a Mode C transponder today—and you'll need to keep that Mode C transponder if you install 978, because radar will be the backup for ADS-B.



If you are ready for it now, uAvionix offers a few solutions skyBeacon certified - \$1849, tailBeacon - \$1649 makes a really neat, super-simple to install unit that Bluetooths (I think) to your mode S or mode C transponder. You simply pop out your existing tail light, connect the power wire you already have in there, and drop the unit in place with the two hold down screws. It can't get any simpler than that. The unit is currently available for experimental aircraft and will soon be available for normal category aircraft.



ADS-B Compliance for \$699?

NavWorx has introduced its ADS600-EXP Universal Access Transceiver (UAT), an ADS-B technology solution for Experimental and Light-Sport Aircraft (LSA) aircraft owners, which performs to the requirements of the FAA's ADS-B rule.

The ADS600-EXP meets the mandatory performance requirements of TSO-C154c for aircraft operating in the U.S. and transmits SDA=2 and SIL=2. The new product is based on the NavWorx ADS600-B, which has received FAA TSO/STC certification.

Optionally equipped with the TSO certified TransMon-SPE, the ADS600-EXP will interface with older transponders, eliminating any need to replace the transponder or altitude encoder, according to company officials. The ADS600-EXP communicates with a wide variety of display systems via Wi-Fi and RS232.

NavWorx is offering the ADS600-EXP for a limited time for \$699.



The NavWorx ADS600-EXP is being offered at a \$699 introductory price. Photo courtesy of NavWorx.

General Aviation ADS-B Rebate Program



On October 12, 2018, the FAA restarted the ADS-B Rebate Program. The program will end promptly on October 11, 2019 or when the available rebates are all claimed, so act soon!

ADS-B (Automatic Dependent Surveillance – Broadcast) is a foundational NextGen technology that transforms aircraft surveillance with GPS-based precision. Aircraft owners should equip as soon as possible to capture the benefits of ADS-B and ensure they will continue to be able to fly in airspace described by the ADS-B rule when compliance with the rule is required by January 1, 2020.

Starting on October 12, 2018, the FAA will offer rebates of \$500 to owners of fixed-wing, single-engine piston aircraft based on their purchase of avionics that have received an ADS-B Technical Standard Order authorization and meet ADS-B Out rule requirements. The program will run for approximately one year or until the funds for all remaining rebates are exhausted, whichever comes first.



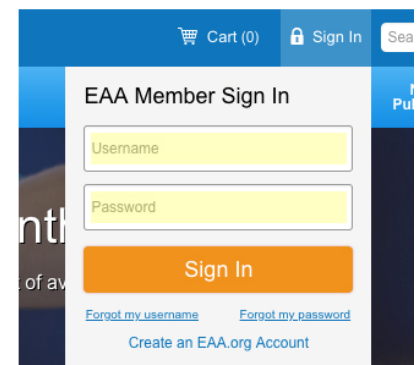
YOUTH PROTECTION PROGRAM

www.eaa.org/ea/youth/youth-protection-policy-and-program

For those of you that fly Young Eagles or help with ground support duties, the 3-year renewal date is here. To renew, sign in to your EAA account. Then click on "**My Account**", then click "**Go to Training**" then select "**Training Information**" and "**Go to course**" for the renewal course.

These are the same steps taken if you have not gone thru the Youth Protection Program. All of the following persons are required to complete both the online training and background check. Both steps are necessary and the cost is covered by EAA.

- All Young Eagles pilots
- All Chapter Young Eagles Coordinators and Field Representatives
- Two-deep leadership supervisors
- Volunteers who will work with youth in ongoing programs
- EAA staff



Overheard at Chicago Approach: "You're gonna have to key the mike. I can't see you when you nod your head."

EAA Chapter 145 website: www.145.eaachapter.org

EAA National website: www.eaa.org

Riverview Facebook: www.facebook.com/pages/Riverview-Airport/115468211816419

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 and update with your payment.

UPCOMING EVENTS

Feb 9	Riverview Airport (08C)	Meeting – Scott Dykstra – Vinyl Wrapping RV9A
Feb 9	Oshkosh (OSH)	EAA Skiplane Fly-In
Mar 9	Riverview Airport (08C)	Meeting – Nick Baine – Experimental Avionics
Apr 13	Riverview Airport (08C)	Meeting – Herb Harney – Yellowstone Flyin' Trip
Apr 26-28	Oshkosh (OSH)	Week's Hangar Work Weekend
May 11	Riverview Airport (08C)	Meeting – Dennis Hutchinson - Davis DA-2
May 18-22	Galtinburg TN (KGKT)	Riverview Pilot's Trip – Great Smoky National Park
July 3-7	Battle Creek Airport	Battle Creek Airshow & Balloon Festival
July 22-28	Wittman Field (OSH)	OSHKOSH 2019

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

The 2019 Officers for EAA145:

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Newsletter Editor, Randy Houtman
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Treasurer's Report: (as of Feb 1th)

Liabilities: \$4055.00

Cash: \$200.85 Checking: \$93.07

Savings: \$3086.09 Total: \$3380.01

Website Editor, Bill Willyard
(wqwillyard@att.net)

EAA CHAPTER 145 MEMBERSHIP APPLICATION / RENEWAL FORM

DUES ARE \$35.00 PER YEAR – JANUARY 1st to DECEMBER 31st

Name _____	Aircraft Owned _____
Co-Pilot / Spouse _____	_____
Address _____	Projects / % Complete _____
City _____	_____
State / Zip _____	Bring this form to the next meeting or mail to:
e-mail address _____	EAA Chapter 145 Treasurer
Home Phone _____	6962 Bridgewater Dr. SE
Work Phone _____	Grand Rapids, MI, 49546
National Membership # _____	

Experimental Aircraft Association – Chapter 145 – Grand Rapids, Mi



Vinyl Wrapping Aircraft

(Alternative to Painting)

Hands on Workshop

- Saturday February 9, 2019
- Riverview (08C), 10 am to noon
- With Scott Dykstra and his RV-9A
- Info: flyrfc172@aol.com



- Scott will explain how he vinyl wrapped his RV-9A (on display).
- You will have a chance to try wrapping sample parts yourself.
- Stop by to learn about this alternative to painting.
- We'll have the coffee and cookies ready.

