

March 2018



# EAA CHAPTER 145

SINCE 1962



**Chapter Meeting: Saturday, March 10, 2018 – 10:00am**  
**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 and update with your payment.

## **CHAPTER MEETING**

This month we will have a Double Feature: Rick Saliers will talk about his RV-9 project– why he chose a particular design, the background of the airplane, and the present stage of construction. Then Alex Taylor will tell us about Windcraft Aviation – and their involvement in the Boeing "Go Fly" competition.

## **PRESIDENT'S CORNER**

I just returned from a couple of weeks in Townsville Australia. Of course, the main reason I went was to attend the birth of my grandson, Lachlan. However, I did take a historical tour in Townsville and found out some very interesting things about aviation, other than it takes about 30 hours of traveling to get there. For what it's worth, here is some Australian aviation history.

In early 1942, Townsville was a small town of 20,000 people on the north east coast of Australia, with a deep water port. Most important, Townsville was also just out of range of Japanese bombers at Rabaul, so it became the main supply depot and Army Air Force base for the Pacific. The Australian Air Force (RAAF) and the USAAF had runways and repair depots in Townsville. In a couple of years, there were two main runways, 6000' for B-17, B24, B-25, and B-26 bombers. And what amazed me was the immediate area had 20 smaller (3000-4000') "fighter strips". Most of these had no control towers...oh to be young and fly high power aircraft.

By 1944 Townsville had 100,000 people living there, most of them from the USA. You don't hear about it much, but the supplies and the aircraft for bomber raids and fighter escort for the battles in New Guinea, the Coral Sea and Rabaul staged through Townsville. It was a privileged to be able to drive down a road in Townsville that at one time has used by USAAF bombers. Aviation history is alive and well. We should take time to remember what the people did back then so we can be free to do what want today.  
Cheers, Dick

### INSIDE THIS ISSUE

- 1 Meeting
- 1 Prez Corner
- 2 EAA Videos
- 3 Luscombe
- 5 Upcoming Events



Recall that the EAA website has a video channel. And especially helpful is the "Hints for Homebuilders Channel". The following are a few examples of helpful hints:



**Bucking Bar Basics**

EAA Technical Counselor and A&P/IA mechanic Bob Koehler shows different types of bucking bars to set rivets. He reviews several designs and  
4:05



**Gun Riveting Basics**

EAA Technical Counselor and A&P/IA mechanic Bob Koehler demonstrates the basics of using a 2X rivet gun and bucking bar to properly set protruding  
8:06



**Identifying Good vs. Bad Rivets**

EAA Technical Counselors and A&P/IA mechanics Dick and Bob Koehler show samples of properly and improperly installed rivets. They review why  
3:08



**Back Riveting**

EAA Technical Counselors and A&P/IA mechanics Dick and Bob Koehler demonstrate back riveting using a back rivet set, steel plate and 2X rivet gun.  
3:52



**Flush Riveting with C-Frame**

EAA Technical Counselors and A&P/IA mechanics Dick and Bob Koehler demonstrate the use of a C-frame to flush rivet two pieces of aluminum  
5:55



**Flush Riveting with Hand Squeezer**

EAA Technical Counselors and A&P/IA mechanics Dick and Bob Koehler demonstrate the use of a hand squeezer to dimple aluminum and then flush  
7:58

**More Hints for Homebuilders: Electrical Videos**

SORT BY: **Most Recent** Most Popular

PAGES: 1 2 3 4



**Molex Avionics Connectors**

April 15, 2015  
4 minutes, 53 seconds  
2,583 views



**Electrical Switches**

March 25, 2015  
5 minutes, 22 seconds  
1,733 views



**Electrical Volt-Ohm Multimeter**

January 2, 2015  
3 minutes, 1 seconds  
1,979 views



**Soldering Tips-Holding Wires**

August 15, 2012  
9 minutes, 44 seconds  
18,684 views



**Solenoids: Master Relay and Starter Relay**

October 3, 2011  
4 minutes, 52 seconds  
8,551 views



**Installing Circuit Breakers**

September 13, 2011  
2 minutes, 40 seconds  
16,231 views



**Circuit Protection**

September 13, 2011  
4 minutes, 14 seconds  
7,827 views



**Basics of Stripping and Crimping Wire**

March 22, 2011  
4 minutes, 24 seconds  
11,465 views



**Circular mils-How to Calculate**

February 22, 2011  
2 minutes, 1 seconds  
5,479 views



**Stripping Shielded Audio Wire**

February 3, 2011  
4 minutes, 1 seconds  
5,844 views

## WEEKS RESTORATION HANGER

It's time to start thinking about EAA145 annual trip to the Weeks hanger in Oshkosh, WI. We will be going the third weekend in April, 20-22. Make a note on your calendar if you would like to go with us. See attached flyer below for information.

## YOUNG EAGLES

The Young Eagle events for 2018 are starting to come in. EAA145 will be assisting EAA211 with some of the Young Eagle rallies in Grand Haven. We are also working with the Byron Center scout troop to provide aviation merit badges. The West Michigan Flight Academy is planning Young Eagle activities in Plainwell and Sparta. Details next month.

## EAA145 HANGAR

-Herb Harney is working on the avionics and all the connections.  
-Hangar space is available for anyone working on a project. Contact Dick Foster for details.

## KALAMAZOO AIR-ZOO \$5 DAY

On Sunday March 25<sup>th</sup>, the Kalamazoo Air-Zoo Museum is having a "Kids Day" event. It will be busy but the best part is the \$5 entry.

[ AIR+ZOO ]



## GARRETT LUSCOMBE

This is the 1946 Luscombe 8A that was delivered to me at Plainwell on 11-27-2017. It's just a few "N" numbers off from the one I learned to fly in 1946 at the age of 16. I put 30 hours on that one before we moved back to Michigan in 1947.

Then I finished up to my Private Cert. in the Aeronca Champ. I did my first Solo flight in the Luscombe after 7 hours (11-18-1946).

Last month when the plane came I had my second SOLO after 71 years. WOW, what a feeling! I have always loved that plane.

I don't remember it being so hard to get in it . HA, HA... It is tight but I can cruise at 100 MPH with that A65 at 3.5 to 4 GPH. By Chuck Garrett



## WEBSITE OF THE MONTH: <https://apps4av.com/>

Avare is a free open source "moving map" aviation GPS, A/FD and EFB app for phones or tablets using the Android Operating System. The app uses an internal or external GPS to determine location, allowing real-time display of location, heading, speed, distance, and altitude on aviation and topographic charts.

The site has other apps that may be helpful in situational awareness.

### Apps4Av

Apps For Aviators



## ADS-B LOOPHOLE: EVERYTHING OLD IS NEW AGAIN

AOPA and Antique Aircraft Assoc. worked with the FAA to change FAR 91.225: exemption from the installation of ADS-B equipment should be granted to the following antique/classic aircraft;

- I. ATC & Group 2 aircraft with a pre-1942 approval date (through ATC #748)
- II. Plus the following aircraft originally approved via their ATC without installation of an electrical system (passive or active)

- |                         |                          |                                    |
|-------------------------|--------------------------|------------------------------------|
| A. ATC #749 Ryan PT-22  | B. ATC #751 Aeronca O-58 | C. ATC #759 Aeronca 7AC            |
| D. ATC #761 Aeronca 11A | E. ATC #800 Piper PA-15  | F. ATC #803 Mooney M-18-L & M-18-C |
| G. ATC #805 Piper PA-17 |                          |                                    |

Excerpt from: §91.225, Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment and use.

(e) The requirements of paragraph (b) of this section do not apply to any aircraft that was not originally certificated with an electrical system, or that has not subsequently been certified with such a system installed, including balloons and gliders. These aircraft may conduct operations without ADS-B Out in the airspace specified in paragraphs (d)(2) and (d)(4) of this section. Operations authorized by this section must be conducted—

1. Outside any Class B or Class C airspace area; and
2. Below the altitude of the ceiling of a Class B or Class C airspace area designated for an airport, or 10,000 feet MSL, whichever is lower.

## Mid West Aviation Services coming to Lowell City Airport

Mark Lynn of Mid West Aviation Services is anticipating the inception of services at the Lowell City Airport (24C). The FBO will offer full-service Inspections, Maintenance and Repairs for General aviation, Light Sport and Experimental aircraft. Aircraft Pre-Buy Inspections and Consulting are also available.

Mid West Aviation Services will be open Monday-Saturday. Call in emergency service also available for customers.

Walter Paegel A&P IA is the Lead Technician facilitating Annual Inspections.

Mark is also going to have Eric Spross of Sparta Aviation Service join them as an A&P Technician.

Mark can be contacted by phone, (231)578-8883 or e-mail [mark@midwestaviationservice.com](mailto:mark@midwestaviationservice.com) for information regarding services and appointments.

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)



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**UPCOMING EVENTS**

<b>Mar 10</b>	<b>Riverview Airport (08C)</b>	<b>Meeting – Project Talks: RV9</b>
April 10-15	Lakeland Florida	SUN-N-FUN
<b>Apr 14</b>	<b>Riverview Airport (08C)</b>	<b>Meeting –</b>
April	Oshkosh (KOSH)	Week’s Hangar Work Weekend
<b>May 12</b>	<b>Riverview Airport (08C)</b>	<b>Meeting – ‘Back to the Cockpit’ – Gus Hawkins</b>
June 10	Lee Bottom (64I)	Lee Bottom “Sinful Sundays”
June 21-24	Park Township	Paramotor PPG Fly-In
June 29-Jul 2	Watervliet (40C)	Watervliet Fly-In / Camp-In Weekend
July 1-5	Battle Creek Airport	Battle Creek Airshow & Balloon Festival
July 23-29	Oshkosh (KOSH)	OSHKOSH!!!!
Aug 18-19	Chicago, IL	Chicago Air & Water Show
Aug 29-Sept 3	Ottumwa, Iowa	Antique Airfield Fly-In <a href="http://www.antiqueairfield.com">www.antiqueairfield.com</a>
September	Michigan Air Tour	<a href="http://www.michiganairtour.org">www.michiganairtour.org</a>

**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 2018 Officers for EAA145:**

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

**Treasurer’s Report:** (as of Mar 31st)

Liabilities: \$3500.00  
 Cash: \$78.07      Checking: \$190.85  
 Savings: \$3864.91      Total: \$4133.83

Website Editor, Bill Willyard  
 ([wqwillyard@att.net](mailto: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 # _____	

# EAA CHAPTER 145, 2018 Trip to Weeks Hangar

We will be making our annual trip to the Weeks Hangar in Oshkosh, WI on the weekend of April 20 to 22, 2018. The trip is designed for people who like airplanes and want to have the opportunity to help restore or maintain the aircraft of the EAA collection. Antiques and Warbirds are kept flying with the support of EAA's volunteers.

Each individual will pay for a couple of meals on the road and share transportation cost. Housing and meals at Oshkosh will be provided by EAA at the Binder House and the Staff Lodge. You should bring a toilet kit, change of clothes and personal items, such as toys, books, videos, photos, or anything about aviation.

Here is the schedule:

## Friday, 4/20

- Leave Riverview airport, about noon
- Snack on the road at the O'Hara Oasis
- Arrive in Oshkosh about 6 p.m.
- Supper at the EAA Air lodge
- Stay overnight at the Binder house

## Saturday, 4/21

- Breakfast at the EAA Air lodge
- Get to Weeks hangar at 8 a.m.
- Work on aircraft, lunch provided at the hangar
- End work on projects about 5 p.m.
- Supper at the EAA Air lodge
- Sleep at Binder house after extensive "hangar flying"

## Sunday, 4/22

- Breakfast at the EAA Air lodge
- Tour EAA Museum, 10 to about noon
- Snacks on the way back to GR
- Arrive in Grand Rapids about 7 p.m.

This is a great way to introduce someone to grass roots aviation; invite a friend to go.

Please let me know if you can go...ride or drive?

Dick

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Email: c172foster@gmail.com