

January 2018



# EAA CHAPTER 145

SINCE 1962



**Chapter Meeting: Saturday, January 13, 2018 – 10:00am**  
**IONIA Airport (Y70) at S.M.A.T. Bldg**

## **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 be taking a tour of S.M.A.T. (School of Missionary Aviation Technology) Terry Yoder, President of SMAT, will be showing us around the facility. SMAT is one of the premiere aviation training facilities in the Midwest, right here in our back yard. Well worth your time to visit and see what they are doing for aviation. SMAT's origins can be traced to 1969, part of the missionary aviation program at Grand Rapids School of the Bible & Music. In 1993, Cornerstone University acquired GRSBM and formed MATS (Missionary Aviation Training Service), In 1997 SMAT became an independent school. It is located at Ionia Airport - 84 E Sprague Rd, Ionia, MI 48846

## INSIDE THIS ISSUE

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## **MICH AERO CHARTS**

Michigan Aero will no longer mail Aero Charts automatically. To continue to receive your VFR Aero Chart, go online using the following link to get the chart mailed to you:

**<https://www.research.net/r/VTSJWHJ>**

## **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.

## PRESIDENT'S CORNER

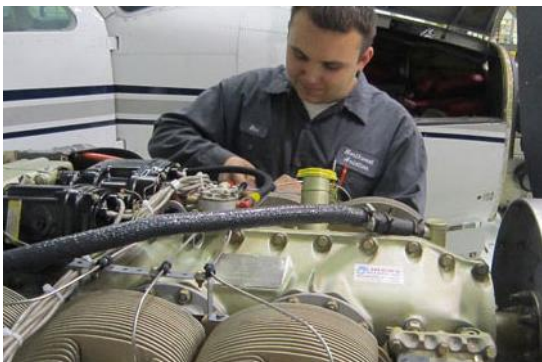
Welcome to a New Year. Here is a sample of some of the programs, events, and activities that EAA chapter 145 participated in 2017. How many do you remember?

- Hummelbird, Ultracruiser, and H5- Terry Hallett of Hummel Aviation
- G&N Aircraft - Jim Yearsich
- A-10 Warthog - Bob Aardema
- Recreational Aviation Foundation - Brad Frederick & Greg Forbes
- Weeks Hangar Work Party - Chapter 145 trip to Oshkosh
- Medical Issues - Jeffrey Kyff
- F-105 Thunderchief - Jeff Voss
- WMAA - Young Eagle flights at KGRR
- Boy Scouts Aviation Badge - Young Eagle flights at 08C
- WMFA - Young Eagle flights at 61D
- GAAA Young Eagle Event - EAA145 at 6D6
- Riverview Open House - Memorial day
- U. P. flying trip - Riverview pilots
- Pietenpol project - Pete Steinbach
- Quickie Q1 project - Randy Houtman
- Help with YE rally at Grand Haven - EAA211
- Help with YE rally at Sparta - EAA704
- Oshkosh Airventure - EAA145 camping
- SMAT Open House- EAA145 A/C parking
- Nova Scotia trip - Riverview pilots
- Wings of Mercy YE flights - Holland, BIV
- WWII W.A.S.P. ferry pilot - Jane Dole
- Riverview Airport Bonfire and Cookout
- Stratux update - Chris Young & Randy Passeno
- Boy Scouts Aviation Badge - Young Eagle flights at KAZO
- Annual Riverview Christmas Brunch



WOW! Local EAA chapters do a lot to promote sport 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 and I feel that 2018 will be another rewarding year for EAA Chapter 145.

All the Best in the New Year, Dick









## CUBBY PROGRESS

Pete is making great progress on his cub. Soon it will be ready for the lightning bolt down the side, and then take to the sky.



## 2018 EAA SWEEPSTAKES

<https://www.eaa.org/en/ea/apps/sweepstakes/sweepstakesform>

This year the entries for the EAA Sweepstakes are online only.

NC35303 is a 1941 Piper J-3C-65 and is currently being restored for the lucky winner.



Enter the  
**2018 EAA® Sweepstakes**  
and win the most  
iconic aircraft of all time  
**the Piper J-3  
Cub!**

Will you be the next proud owner  
of this legendary Piper Cub?

## WEBSITE OF THE MONTH: [www.sentimentaljourneyfly-in.com](http://www.sentimentaljourneyfly-in.com)

In late June, a swarm of yellow descends on Lock Haven, PA. For the aviation minded person, this is on the 'bucket list' of things to experience.





## HINTS FOR HOMEBUILDERS

**Building an airplane** is oftentimes a process that requires undoing work that you hoped was complete. We frequently have to drill out rivets because they are improperly set—or worse, we left something undone inside a component that we had to close up (or we just can't find that 3/8-inch socket we were using inside the wing bay). Whatever the reason, those people building aluminum airplanes, and those doing just about anything with engine baffles, will occasionally need to remove a rivet. Here are the basic steps. ±



**1.** The factory head on this universal-head rivet is fine, but the shop head wasn't up to spec, so out it comes. Note the dimple in the center of the head; this can be enough for experienced builders to use to center their drill bit.



**2.** For those new to the game, however, a little deeper starting point might help. An automatic center punch is useful in this case; just a couple of pops, and the drill won't be able to wander.



**3.** Start the drill with a few short, slow pulls of the trigger; the idea is to center the bit in the dimple before starting to really drill. Once you start drilling, make sure you actively steer the bit into the center of the rivet head.



**4.** You aren't trying to drill all the way through the rivet shank—just deep enough to separate the head from the shank. If you feel that you are drilling into the surrounding material, stop!



**5.** Use the back side of a jobber drill bit (the same size as your rivet) inserted into the hole to break off the head.



**6.** If your hole is properly centered, just rocking the tool in a circle should pop the head loose.



**7.** The tool may then be used to push the tail of the rivet out the other side, leaving a clean hole for your next riveting attempt.



**8.** If you do a clean job removing the rivet, you will be able to keep the shop and factory heads as souvenirs. (Unfortunately, even the best builders have quite a collection of drilled-out rivets, so they won't fetch much money on the collector's circuit.)



**9.** Drilling out flush rivets uses the same process. After center-punching the factory head, start the drill slowly and drill down just until you reach the shank.



**10.** You don't have to go very deep—just enough to almost separate the head from the shank itself. Use the back end of a drill bit to break the head off, just as you did for the universal-head rivet.



**11.** If you have perfectly centered the drill bit, the remains of the head might just climb the bit itself. In either case, pop the remains of the shank and shop head out the back side and get on with your build.



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**

Jan 1	Nappanee Muni	Fly-In Lunch	<a href="http://www.938.eaachapter.org">www.938.eaachapter.org</a>
<b>Jan 13</b>	<b>Ionia Airport (Y70)</b>	<b>Meeting – S.M.A.T. Tour / Open House</b>	
Jan 27	Oshkosh (KOSH)	SportAir Workshops	
<b>Feb 10</b>	<b>Riverview Airport (08C)</b>	<b>Meeting –</b>	
Feb 10	Oshkosh (KOSH)	Pioneer Airport Ski Fly-In	

**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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Secretary/Treasurer, Bob Swietek  
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Grand Rapids, MI 49546  
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Newsletter Editor, Randy Houtman  
([randall.houtman@dematic.com](mailto:randall.houtman@dematic.com))

### **Treasurer's Report:** (as of Jan 3st)

Liabilities: \$3500.00  
Cash: \$95.85      Checking: \$35.69  
Savings: \$5981.41      Total: \$6112.95

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