

# TAILWINDS



**EAA CHAPTER  
974  
NEWSLETTER  
APRIL 2015**

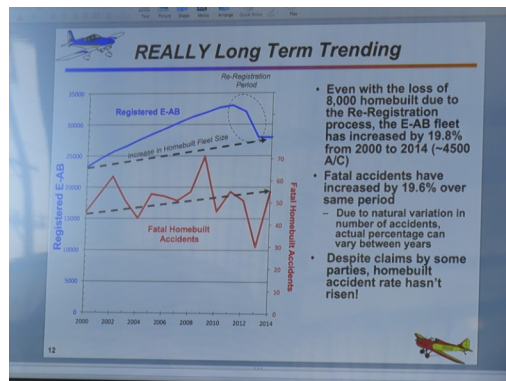


Butler County Regional Airport  
Hamilton, Ohio

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- **SHOP SHEETS BY RON WANTAJJA**

Take a moment to compare last month's meeting weather to April's meeting. We enjoyed a shirtsleeve day instead of a winter wonderland. First, we were treated to an excellent combined Skype video and power point presentation by Ron Wantajja on a comparison of accident statistics between the factory built general aviation fleet and those from the experimental amateur built fleet. Be sure to read his excellent analysis of EAB accident statistics in the March 2015 issue of Sport Aviation. It's found on page 68. Thank you so much, Ron, for "visiting" our chapter! Note that Ron has graciously authorized the use of his excellent and very useful ShopSheets found in our newsletters. ( pictures, ed.)



We were also visited by Troy MacVey and Bob Erbs of Mac's Seaplane Service of Rising Sun, Indiana. Mac's was founded in May of 2011 by Troy and is a special addition to the aviation life of this area. It is one of the very few river-based seaplane operations in this part of the country. Mac's offers a Discovery Flight for \$55 and a complete 10 hr seaplane training course for \$1500 in a Cessna 140. Mac's also operates a Cessna 195 which won a Gold Lindy at 2012 Oshkosh. See Mac's on Facebook and Youtube.

## **THE PREZ SEZ.....**

**IF THE LAST MEETING IS AN EXAMPLE OF THIS FLYING SEASON, IT'S GOING TO BE GREAT!**

**THANKS TO MARK WYSS FOR GETTING "RON FROM SEATTLE" "TO SKYPE IN. TROY AND BOB GAVE A PEP TALK FOR ANYONE INTERESTED IN A SEAPLANE RATING. THEY OPERATE AS "MAC'S SEAPLANE SERVICE" OUT OF RISING SUN INDIANA.**



**IT WAS NO LITTLE EFFORT TO GET JOHN PRINCE'S GLASSAIR FROM DELAWARE OH. TO HERE. I THINK JOHN MADE 6 OR 7 TRIPS AND SOME OTHERS 3 OR 4, BUT IT IS FINALLY HERE AND WE CAN ALL WATCH JOHN PUT IT BACK TOGETHER. IT SHOULD BE ON DISPLAY AT THE NEXT MEETING.**

**THE NEXT MEETING, MAY 3RD IS ALSO SUNDAY-FUNDAY AT MORAIN AIR PARK. SO FLY TO MORAIN FOR A PANCAKE BREAKFAST AND TO KHAO FOR THE MEETING.**

**SPEAKING OF KHAO, THE CONSTRUCTION CREW IS MAKING GOOD PROGRESS ON THE RAMP. SHOULD BE PRETTY NICE WHEN IT'S DONE.**

**BLUE SKIES**

**THE PREZ**

## **SECRETARY'S REPORT.....MEETING MINUTES**

**EAA Chapter 974 Monthly Meeting  
Sunday, April 12, 2015**

**Call To Order & Pledge of Allegiance: 2:00pm**

- **New Members:** None
- **Guests:**
  - Billy Bie – In T10I, buying T10J, has an RV-7A
  - Ron Smuda & son Andrew – Andrew's interested in the pilot profession and in Young Eagles
  - Greg & Steve Chaplain – Back again!
- **Special Presentations:**
  - Skype remote presentation on Homebuilt Safety Trends by Ron Wanttaja, author of the safety trends report in the recent Sport Aviation issue.
  - Bob Erbs & Troy MacVey of Mac's Seaplane Service in Rising Sun, IN. Get your seaplane rating on the Ohio River!



# **MEETING MINUTES.....CONTINUED**

- **Secretary's Report:** Accepted
- **Treasurer's Report:**  
March account activity: +\$354 (hangar income, dues, split pot), -\$22 (misc) = +\$332.00  
The chapter has \$2448.98 in the bank
- **Historian/Librarian/Newsletters (Bob Dombek):** Nothing of Note
- **Young Eagles Report (Brian Charlton for Bob Burkhardt):** Nothing of Note
- **Hangar Master Report:** Nothing of Note

## **Tech Counselor Report (Ray Parker):**

Howard got signoff from Stan on his Glastar  
Roth had the first flight of his RV-8A

- **Project Reports:** None
- **Old Business:**  
Anyone using tools MUST sign them out. Tools are disappearing constantly  
Tailcone from Brad's KR2 – We've talked about what to do with it quite a bit over the years.  
Motion to make the tailcone Kevin's responsibility was seconded and approved
- **New Business:**  
May 3: Funday Sunday at Moraine Airport, in the morning before our chapter meeting  
May 30: Flying Knights Poker Run at LUK  
May 16: Canard Fly-In at T10G, Chuck's & Ray's hangar(s)  
May 9: Mark's throwing together the first chapter Saturday cookout
- **Adjourned:** 3:20pm

Submitted,  
Scott Balmos – Secretary

## **RIDE TO OSHKOSH WANTED**

**CHAPTER MEMBER RICH RENTSCHLER IS LOOKING FOR A RIDE TO OSHKOSH. RICH SAYS HE WOULD BE HAPPY TO SHARE GAS, CAMPING FEE AND WHATEVER ELSE IS REQUIRED. CONTACT HIM AT :  
513-385-2208**

# **IN THE NEST**

This month there are two project reports. First is Brad Payne's Zenith. I'll let Brad tell you about it in his own words:



“Over the thanksgiving holiday in 2013, Dad and I built the Rudder kit for the Zenith 701 and decided that setting the KR aside and building a Zenith 701 would get us in the air sooner. I ordered the kit and we picked it up February 17th, 2014

We split up the parts and started building. Fuselage and tail at my house, Wings at Dads. At this point 1 wing is almost complete, the fuselage is just about ready to sit on the gear (After Engine mount repair) and the tail feathers are mostly complete.

We purchased a Firewall forward from another 701 builder that used a VW 2180 with a reduction drive. We have almost all the parts to complete the build. I found working with metal to be a lot less forgiving than fiberglass, however being able to work year round is a big plus. We expect to complete the 701 by early 2016.”



**RUDDER KIT COMPLETED**



**MAKING GOOD PROGRESS ON FUSELAGE CONSTRUCTION**



**ONE WING ALMOST COMPLETE**



**ENGINE KIT IN BACK OF U-HAUL**

Picture Credits:  
Brad Payne

This month's second report is an update on John Prince's Glassair Project. All the "pieces" have been moved from the original owner's hangar north of Delaware to Hogan Field. Since the report was featured in last month's newsletter, I'll just let the pictures speak for themselves. (picture credits: ed.)



Above: Here's how airplanes move around The country when not ready to fly. Nothing like a well built trailer!

Above: Here's the thing that really makes it fly—an IO-540. How about 300 HP ! All it takes is horsepower and \$\$!

Below: Here's the part that makes it fly...the Wing. It required a separate trip to Hogan Field

Below: A nice looking panel, a hybrid of steam gauges and glass. This is the part that can really eat up time. Almost done!



# **RADIO CONTROL EXPOSITION**

I've reported on this event in past newsletters. OK, I know it's about model airplanes and not the "real thing". ( I think that's an expression from the movie "Flight of the Phoenix"). The border between models and full size is becoming blurry! See the 1/2 scale Gypsy Moth below. EAA and AMA, that's Academy of Model Aeronautics, has enjoyed a closer association over the past several years. AMA has been well represented at Airventure. The RC expo, held every April in Toledo, features manufacturers exhibits and static displays of beautifully built models, some requiring years to build( another blur in the border!) Its almost a mini-Oshkosh. Here are some examples found in the display area. (pictures ed.)



Above: a 1/2 scale Gypsy Moth



Above: a beautifully modeled F3-H Demon.

Below: a 1/2 scale Fly Baby



Below: Scale builder went all out— F4 pilot

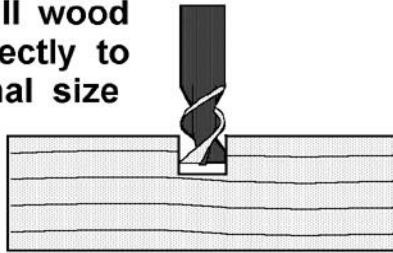


# ShopSheet

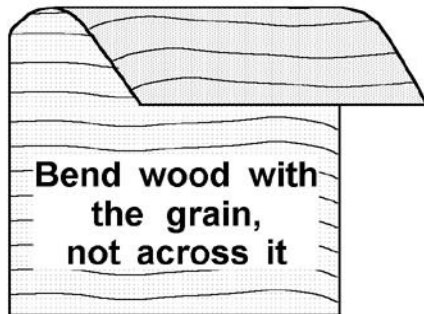
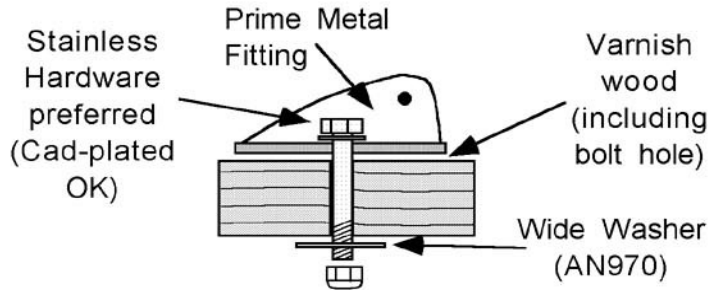
By Ron Wanttaja

# Wood Hints

Drill wood directly to final size



## Wood/Metal Interfaces



## Scarf Joints

**RIGHT**



Scarf direction generally parallels the grain

**WRONG**



Grain meet scarf at sharper angle

**RIGHT**



Grain patterns remain parallel

**WRONG**

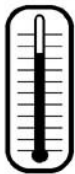


Grain patterns intersect at scarf

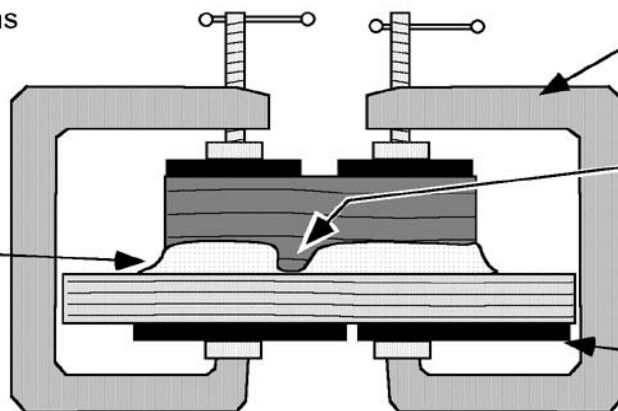
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By Ron Wanttaja  
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## Gluing Wood

Control Temperature per Glue instructions



Glue should squeeze out from all around joint



Clamps provide pressure until glue cures

Lack of squeeze-out means joint needs more glue

Scrap wood distributes pressure & protects parts from clamps

## **HOW TO CONTACT A CHAPTER OFFICER**

**HAVE YOU EVER WONDERED HOW TO GET HOLD OF THE PRESIDENT OR OTHER CHAPTER OFFICER TO MAKE A SUGGESTION, ASK A QUESTION (OR RAISE A STINK ABOUT SOMETHING!)? THE FOLLOWING IS A LIST OF EMAIL ADDRESSES FOR CURRENT CHAPTER OFFICIALS. THESE ARE LINKED TO THEIR PERSONAL ADDRESSES WHICH ARE HIDDEN.**

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## **COMING EVENTS**

**MAY 3: FUNDAY SUNDAY, MORaine AIRPARK HOSTED BY EAA CHAPTER 48, 9 AM PANCAKE BREAKFAST**

**MAY 3: CHAPTER 974 MEETING 2 PM HANGAR T5J IMMEDIATELY AFTER FUNDAY SUNDAY.**

**MAY 9: 12:00 SATURDAY COOKOUT HOSTED BY MARK WYSS. (REPORT TO CHAPTER HANGAR INSTEAD OF PEARL'S DINER!)**

**MAY 16: CANARD FLY-IN, HANGAR T10G, HOSTED BY RAY PARKER AND CHUCK LESS**

**MAY 30: FLYING KNIGHTS POKER RUN STARTING AT LUK.**

**JUNE 7: CHAPTER 974 MEETING AT 2 PM HANGAR T5J**

**JULY 20-26: AIRVENTURE 2015**