



**Next Meeting: Thursday, April 17, 2008  
7:30 PM at the EAA 113 Aviation Center**

**EAA Chapter 113**  
Mark Freeland  
42636 Faulkner Drive  
Novi, MI 48377

# ***EAGLE'S PROPWASH***

April 2008 Issue



**CHAPTER 113**

***"The Backyard Eagles"***

.....  
Mettetal Airport (1D2), Canton, Michigan



RV-12 LSA is now flying.....Sweet

Our Web Site: [www.eaa113.org](http://www.eaa113.org)

**Meetings: 7:30 p.m. the 3<sup>rd</sup> Thursday of each month at the**

***EAA113 AVIATION EDUCATION CENTER!***

[EAA113@yahoogroups.com](mailto:EAA113@yahoogroups.com)

## Member Services

**President:** Dave Buck (734) -4535375  
**Vice President:** Jim Trick (248) 766-2092  
**Secretary:** Bob Wagner (313) 274-8292  
**Treasurer:** Grant Cook (734) 223-2688

### Board of Directors:

Al Bosonetto David Forsman  
Pete Waters Bill Brown  
Mike Scovel Rick Titsworth  
Bob Skingley Tom Smith  
Joe Griffin Pat Charles  
John Maxfield Lou Lambert  
Barb Cook Sean Crooks  
Les Gallagher

### Membership Committee:

**-Roster:** Mark Freeland (248) 624-9654  
**-Dues:** Grant Cook (734) 223-2688

### Technical Counselors:

Joe Hillebrand (480) 895-6314  
Randy Hebron (734) 326-7659  
Pete Waters (248) 437-4244  
Dan Valle (313)-539-9818

### Flight Advisors:

John Maxfield (248) 348-1417  
Dan Valle (313)-539-9818

**Scholarships:** Howard Rundell (734) 658-7701

**Library:** Barb Cook (734) 277-3469

### Young Eagles:

Dave James (734) 721-4213  
Debbie Forsman (734) 397-3452

**Bald Eagles:** Mark Freeland (248) 624-9654

**Refreshments:** Joe Griffin (734) 455-3107

**Newsletter:** Sean Crooks (734) 516-9939

[Urcapt@hotmail.com](mailto:Urcapt@hotmail.com)

**Webmaster:** Donna Monson (734) 722-8475

[donnamonson@wowway.com](mailto:donnamonson@wowway.com)

### Aviation Center Management Committee:

Al Bosonetto (734) 261-5518  
Dave Buck (734) 453-5375  
Bill Brown (734) 420-2733  
Bob Skingley (734) 522-1456

## Mission Statements Chapter

*"EAA Chapter 113's major focus is on the relationships with people who have diverse aviation interests, centered around their love of flight, fellowship, learning and fun. Chapter members have a passion for flying and are willing to share it with others. Chapter 113 provides the opportunity for exchange of information as well as the interaction that leads to friendships that last a lifetime."*

## Board

*"The Board of Directors are to provide both advice and assistance to the chapter officers on an ongoing basis."*

## President's Podium



**Dave Buck (734) 453-5375**  
[dbuck19208@aol.com](mailto:dbuck19208@aol.com)

Newsletter April 08

At last months Awards Banquet the Chapter gave "First Flight" awards to Cliff Drochak (Aero Adventure Aventura II), Craig Sawka (Sportsman 2+2), and Lou Lambert (Savannah). Congratulations again to all three.

The Annual Fathers Day Pancake Breakfast is coming up fast. This is our major fundraiser of the year and also when we present the chapter scholarships. We need a large number of volunteers to have a successful event. Set aside the morning of June 15<sup>th</sup> for a little work and some good times. Contact John Maxfield if you can help. John is counting on everyone who had an assignment last year to do the same thing again this year.

We have had a number of new members coming to the meetings. If you see a new face in the crowd make sure you say hello and help to make them feel welcome. Also wear your nametags at the meetings, it helps the new members to identify you.

The Chapter has a number of Young Eagle credits available that can be used to offset some of the cost of attending the EAA Air Academy. The Academy is for children between the ages of 10 and 18. Information is available at [www.airacademy.org](http://www.airacademy.org).

The Red Bull Air Races are coming to Detroit on May 31 to June 1. The EAA is bringing the Ford Tri-Motor to the races to give rides. The chapter has been asked to assist with the Tri-Motor rides. We will need volunteers that weekend. Give me a call if you can help.

We now have three scheduled activities each month. The first Thursday is the Homebuilders Discussion Group, the second Thursday is the Safety Seminar, and the third Thursday is the regular meeting. Attend any or all depending on your interests.

Remember, you're always a student in an airplane.

Dave

## Calendar of Events

### Sun-n-Fun

April 8-13, 2008 in Lakeland, Florida

### Friday Night at the Movies

See you on the first Friday of the month at 7:30 PM. Check the website for details.

### Saturday Morning Breakfast

Every Saturday 8:30am at the Coney Island on Lilley Rd. across the street from Mettetal airport.

**EAA 113 – YAHOO!** To access our YAHOO Group Site, go to <http://groups.yahoo.com/group/EAA113/> New users click "SIGN UP." Already a member of a YAHOO Group? Click "JOIN THIS GROUP" You'll have to sign in every time to access all the features. Contact Donna Monson for further information.

## *PAULSON LIBRARY*

**Barb Cook (734)277-3469**  
barb@armipay.com

April 2008

We've reached 1350 items in our inventory! We have several new improvements in our media center/library:

#### ORGANIZATION OF FLIGHT TRAINING MATERIALS

(as on shelves, starting from the far left)

Shelf labels are located beneath the shelf.

-MEDIA materials

TRAINING-PRIVATE (contains King, Sporty & Jeppesen materials in

CD, DVD, and video) 3 or 4 shelves of these

TRAINING-INSTRUMENT

TRAINING-ADVANCED (Includes Multi, Sail, Commercial)

-PRINT materials are located in the 629.132 section, as follows:

629.132 - 629.132 4 VFR Flying

629.132 5212 VFR, Private Pilot

629.132 5214 Advanced VFR (night, marginal VFR..)

629.132 5217 more Private and VFR

629.132 5219 Instrument Flight, IFR

629.132 523 Soaring, Gliding, Sail Plane

629.132 5252 Helicopter Flight

(Note: Not all these print materials have been cataloged yet. Yes, I know there are a lot of inconsistencies on these shelves. I trust it will improve with time!)

ADDITION OF CURRENT EAA Sport Aviation magazine thru 2006 on DVD. This will soon be added to our "Member" computer. So there will be no need to handle the disks themselves. That should be accomplished by the end of the month. (Eventually we will network our computers together, and these files will be reached from any of our computers.)

ORLO MAXFIELD PORTRAIT ADDED to our wall, along with Bill Oden's. These two former members were great pals, Chapter 113 members, and Ford draftsmen. They shared the cheapest hangars in the state (\$15 per month) down at Marshall Airport in Newport, Michigan by the cooling towers. Each claimed to have discovered the highest visibility paint scheme (yellow and red) for their Funk and Stinson 108-2. Both are fathers of members: John Maxfield and Barb Oden Cook. Their airplanes are still flying.

#### LIBRARY HOURS FOR APRIL:

We will be open Tuesday, April 1, but gone to Sun'N'Fun for the following 3 Tuesdays, and resuming normal Tuesday hours (1:00-4:00pm) on April 29. Anyone needing to use the Library during the week can contact our President Dave, or any other board member. The library is for your use. Just sign and date the card, and leave in the box on the table.

#### THINGS TO WATCH FOR:

- Library logo signs on 2 exterior walls of the building.
- Library page on the Website.

#### AMELIA EARHART Materials In Paulson Aviation Library

In case our recent guest appearance from Amelia Earhart (a.k.a. Susan T. Thomas) at our annual banquet has whetted your appetite for more information about her life, here are some of our Paulson Library books.

629. 12 092 4B	Witness to the Execution: Odyssey of Amelia Earhart
629. 13 092 4	The Search for Amelia Earhart
629. 13 092 4B19	Earhart Disappearance
629. 13 092 4	Amelia Earhart Lives
921 EAR	Amelia Earhart; A photographic story of a life

#### For Sale:

"Richard Hensley is selling Desaire N33K. It is Experimental modified (downsized) 7A Champ built 1955 with 333.6 hours since build & 185 hours airframe and engine (A-75) since total restoration. Would like \$12,000 but it must go, all offers are seriously considered, new airplane is arriving. It is fun to fly, aerobatic, cockpit fits medium size folks. Phone 734-427-8406"

**The RV-12 is Van's newest design, intended to meet the standards of the new Light Sport Category. It's a two-seat all-metal side-by-side airplane with a large cabin that seats the occupants ahead of the wing spar for maximum room and superb visibility. It is powered by a Rotax 912S 100 hp engine turning a Sensenich composite ground-adjustable propeller.**

#### DESIGN GOALS

**We have set several goals for the design.**

- Flying qualities equal to or better than the RV-9A (not easily achieved!)
- A 550 lb. payload – this equates to two 190 lb. people, 120 lbs. of fuel and 50 lbs. of baggage.
- 750 lb empty weight

**From the construction point of view, we want:**

- A low parts count, to reduce kit costs and assembly time
- Systems installation at the lowest possible level of structural subassembly
- Minimal use of composites
- Maximum use of simple hand tools, possibly eliminating the need for pneumatic tools (not the desire for them, perhaps, but the need!)

#### DESIGN FEATURES

**We incorporated several new ideas (new to us, at least) into N912VA, our proof-of-concept prototype.**

- **Removable wings.** The two spar stubs projecting from the inboard ends of the wings overlap inside the fuselage and are secured with two large pins, fitting into carefully machined bushings.
- **Full span flaperons** will hook up automatically as the wings are installed using fittings similar to those proven over many years in sailplanes.

- **An all-moving stabilator** because it can be smaller than a conventional stabilizer/elevator arrangement and permits the airplane to fit into a trailer.

#### TOTAL PERFORMANCE

**Performance of Light Sport Aircraft is defined by the rules of the category:**

- Maximum takeoff weight: 1,320 lbs (599 kg.)
- Maximum stall speed (flaps up): 51 mph (45 knots)
- Maximum speed, level flight w/maximum continuous power: 138 mph (120 knots)

**Our goal is to produce an airplane that meets these performance standards.**

**However, speed and carrying capacity is only part of the story. Traditionally, RVs have been known for excellent flying qualities — they are responsive without being "twitchy", quick without being abrupt, and offer high performance while still being easy to fly.**

**We are proud of that tradition and will be doing our best to make sure that the RV-12 takes its rightful place in our line of Total Performance airplanes.**

**Watch this website for details on price and availability.**

#### WHEN WILL IT BE READY?

**The *proof-of-concept* prototype RV-12 N912VA flew in November, 2006. The results have been gratifying — it is a good airplane with nice flying qualities. Most of our design goals have been met, but we have learned a great deal from N912VA and feel we can make the RV-12 even better. A new *kit-prototype* aircraft, incorporating several improvements, is now under construction.**

**We will not offer RV-12 kits for sale until flight testing of the kit prototype is complete and we are satisfied with the performance and handling characteristics. At the earliest, this would be sometime in the fourth quarter of 2007.**

<i>RV-12 N912VA SPECIFICATIONS SUBJECT TO CHANGE</i>	
<b>SPAN</b>	<b>26' 8"</b>
<b>WING AREA</b>	<b>127 sq.ft.</b>
<b>LENGTH</b>	<b>19' 11"</b>
<b>EMPTY WEIGHT</b>	<b>750 lbs</b>
<b>GROSS WEIGHT</b>	<b>1320 lbs</b>
<b>WING LOADING (gross weight)</b>	<b>10.4 lbs/sq. ft.</b>
<b>POWER LOADING (gross weight)</b>	<b>13.2 lbs/hp</b>
<b>FUEL CAPACITY</b>	<b>20 US gallons</b>
<b>CABIN WIDTH</b>	<b>43"</b>
<b>BAGGAGE CAPACITY</b>	<b>50 lbs</b>
<b>ENGINE</b>	<b>Rotax 912S</b>
<b>PROPELLER</b>	<b>Sensenich ground- adjustable</b>



**Van contemplates engine**



**N412RV Panel**



**Switch and Fuse detail**

