



Next Meeting: Thursday, May 15, 2008
7:30 PM at the EAA 113 Aviation Center

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

EAGLE'S PROPWASH

May 2008 Issue



CHAPTER 113

"The Backyard Eagles"

Metetal Airport (1D2), Canton, Michigan



Mark McGowen's Mooney heading to Sun-n-Fun '08

Our Web Site: www.eaa113.org

Meetings: 7:30 p.m. the 3rd Thursday of each month at the

EAA113 AVIATION EDUCATION CENTER!

EAA113@yahogroups.com

Member Services

President: Dave Buck (734) -4535375
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Treasurer: Grant Cook (734) 223-2688

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Pete Waters Bill Brown
Mike Scovel Rick Titsworth
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-Roster: Mark Freeland (248) 624-9654
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Bill Brown (734) 420-2733
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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

President’s Podium



Dave Buck (734) 453-5375
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Newsletter Article, May 2008

Father’s Day Pancake Breakfast is only about a month away. This is our biggest fundraiser of the year and is the event that supports the *EAA Chapter 113 Aviation Scholarships*. Plan on attending. First we need your help with breakfast, the more volunteers, the easier the task. Second invite your family, neighbors, co-workers, friends, and anybody you happen to meet on the street to join us. The pancake breakfast has been a Chapter 113 tradition for over forty-five years. Come out and enjoy the food and friends.

The Red Bull Air Races are coming to Detroit on May 31st & June 1st. EAA is also bringing the Ford Tri-Motor to Detroit City Airport to give rides during the air races. DET is going to be the base airport for the racing events. Chapter 113 is again going to be assisting the Tri-Motor crew with loading and unloading passengers and also with promotion. At this point details are still being worked out. I will notify everyone when plans are finalized.

We need volunteers to help on Friday, Saturday, and Sunday. Tri-Motor rides will be available for volunteers on a space available basis. Assistance is also needed to distribute posters before the event. Posters will be available at the EAA 113 Aviation Center, or call me and I will get them to you. Posters can be placed where you work, restaurants, stores, and wherever you think they will be seen. This event is a fundraiser for the chapter and promotion is important. We need YOUR help.

Send me an email or call if you can help so I can get your name on the volunteer list.

Congratulations to Gerry Hubert on the first flight of his Skybolt on April 22nd.

Dave Buck

Calendar of Events

Tri-Motor Visit

May 30th through June 1st.

Red Bull Races

May 31st through June 1st

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

May 2008

Now that we've created our "Flight Training" audio visual shelves of CDs, DVDs, and video tapes, we're continuing to organize our "Flight Training" book shelves (629.132). Besides materials on Private, Instrument, and CFI flying, we have materials on flying gliders (soaring), helicopters, blimps, and we'll start a new shelf for flying "Light Sport Aircraft".

We've recently received a donation of many books from member Jack Broomall. Thanks, Jack.

These include several books on obtaining a variety of different type ratings. These will also be on the 629.132 shelves.

Now that we've returned from Sun 'N Fun, our work on your library will resume. Come in and browse through our notebooks of Titles and Subjects of materials in our library. These are updated quarterly, and still found under the TV.

Barb

Introducing the “Newbie”

By Paul Gregory, EAA Chapter 1410

I am in many respects a “newbie.” I am new to this world of homebuilding and to aviation as a whole. Unlike some of our members, I have not assembled anything more complicated than a scale model aircraft, nor am I a high-time pilot.

Despite always being interested in aircraft since I was six, it wasn't until I was thirty-four that I did anything about it. At the time I had a false alarm regarding my heart and this scare made me change some of my priorities - so I decided to learn to fly. Every week I learned to fly despite juggling the responsibilities of launching my own software services company and the arrival of my second child. This was eight years ago.

Once I earned my wings in 2001, I enthusiastically took up friends and family for rides. But my friends at the time were not aviation junkies so the thrill of solo \$100 hamburger flights began to wane and I never got over being a newbie and an outsider to general aviation. Like many other newly licensed private pilots I began to leave the hobby.

For the intervening years I let my priorities shift back and let life take me over—I continued to build my company, Intervera Data Solutions (with two business partners), and watch my daughter Sarah and younger son Jonathon grow up. My passion for aviation never died and I never stopped reading about it as my wife Mary can testify to by pointing to all the boxes of magazines and flying books as evidence! Despite this, I stopped flying.

In 2004, I came across the International EAA website and I thought I'd join. At first I enjoyed the articles in *Sport Aviation* magazine and I began to think about the possibility of building my own aircraft. But the stories covered people far away from home and as a newbie I remained intimidated that I could never tackle such a project alone.

A year later, a newsletter arrived in the mail from a newly formed group based in High River. From reading this newsletter, I realized

that there were others in Alberta who not only considered homebuilding but also had done it! With encouragement from many, I decided to drive down from Calgary and see what this group was all about. From the first moment I walked into the meeting room in the flight services building, I realized that I had found a group of like-minded people from many different walks of life who were passionate about the same thing. I joined EAA Chapter 1410 High River that night.

Since joining the chapter, I changed and made aviation a priority again. I signed up for pilot recurrency training, got all checked out and now I fly regularly either renting or flying with chapter friends. I flew down to Oshkosh in 2006 and along with twenty other chapter members volunteered in the “Lancaster at Oshkosh” tent. I took two EAA SportAir Workshops courses at High River - Sheet Metal Basics and Electrical Systems. Last year my family hosted the Ram River Fly-Out and later we drove down with our trailer to the Arlington Northwest Fly-in. I volunteered to play an active role in the chapter.

It is 2008 now and I haven't committed to a homebuilt yet, but I am fine with this since I will know when the time is right. So, I still consider myself a newbie. But now I am among friends who are either newbies themselves or remember being one and are enthusiastically willing to help.

A Toggle Switch Lock

Paul Fiebich

EAA # 577724

My AirBike is often displayed at air shows where spectators sometimes touch things they shouldn't. Like many homebuilt aircraft its ignition system uses a toggle switch as its master switch. Now toggle switches are wonderfully versatile. They are easy to install and convenient to use, but they are also vulnerable to the unknowing or the unscrupulous. As anyone who works on aircraft knows, an accidentally "hot" ignition is an invitation to disaster. Being able to lock my master switch in the off position would safety it from both and gives me peace of mind, too

I was unable to find a manufactured switch protector that would lock the Air Bike's master switch in the off position. Like most homebuilders, I have more time than money so I did what I usually do, I made my own. Obviously, this lock will not stop a thief with a bolt cutter and determination, but it will stop the casual opportunist from starting the plane and flying away with it. The material list for this project:

- A keyed padlock
- A snap ring
- A toggle switch that fits your electrical requirements
- Two one-way screws
- A piece of .032 2024T3 or T4 aluminum

First make a paper template to suit the switch and accommodate the shaft of the snap ring. Make the holes that will accept the snap ring shaft off center but in line. This will prevent the toggle switch from being locked in the ON position. Not having a sheet metal brake bar I found the blade of my table saw's protractor head was just the right size to use as a form tool. It is nice when things work out like this! Several well-aimed taps with a hammer brought the sheet metal into shape.

To avoid cracking the metal, provide a bend radius at least equal to its thickness. A few strokes with a file and some 200 grit auto body sandpaper or emery cloth will remove the rough

edges. Drill and deburr the two mounting holes, toggle switch attach hole and two inline snap ring shaft holes in the formed sheet metal. Position the locking plate (be sure the off-center holes allow the locking pin to lock the switch in the OFF position), then mark and drill the panel for the toggle switch attach hole and the two mounting holes. Before committing to installing the formed sheet metal guard on the plan's panel, test fit everything and adjust if necessary. Mount the guard using the two one way screws, insert the toggle switch and tighten its lock nut then insert the shaft of the snap ring through the holes and flip the loop into the position shown. Snake the bail of the padlock as shown and snap it closed. Done deal, my plane is secure from tampering and I had a little fun making stuff.

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Paul is an active member of EAA Chapter 88.

<http://www.eaa88.org/>



