

# FLYPAPER



October 2010

The Official Newsletter for EAA Chapter 477, Charleston, South Carolina

## The President's Corner

Although the end of the year is months away, the time will go by very rapidly, just wait and see. To be ready before the holidays, your executive committee has been working hard to bring some very interesting topics on board for our members. Please see the upcoming events calendar and keep up to date by visiting the website.

We didn't have a large crowd at the Saturday event that Jim Wilson hosted at his private airstrip, but for those of you that didn't make it, you really missed something. Jim is quite a guy. The full report is later in this newsletter.

Our next immediate event is the poker run that will be done out of Walterboro. A portion of the proceeds will go to the MUSC Children's Hospital, but plenty will be left over for a good cash pot. There will be five levels of winnings, the lunch will be hosted by the folks RBW and passengers as well as pilots can participate. Please see the details on the website.

This November we will have election of officers for the next year. A list of the candidates will be sent separately and before the November meeting. We would like to include YOU in the prospective leaders of EAA477. Please let one of our current officers know if you are interested in taking an active role in leadership.

## My Cozy update:

I am plodding along, making progress, albeit, sometimes not on the parts I thought I would. The Wilhelmson electric nose lift is installed and operating! (Thanks to Norman Garland.) Darn, I still have a couple of wires that I am having trouble finding a home for. (Jack, HELP) My goal is to get spark to the cylinders in the next week.

*-Glen Phelps, President*



## Upcoming Events

**October 1-3** VAA Chapter 3  
Vintage Fly-In Camden, SC

**October 9** – Poker Run – 9am  
Walterboro Airport ([KRBW](#))

**October 16 - Sat 10:30 am**  
EAA 477 Chapter Meeting  
CAFB Aero Club Flight  
Design CTLS Demo and  
Cookout

**October 17** - SCBC at Sumter  
([KSMS](#))

**October 31** - SCBC at  
Orangeburg ([KOGB](#))

## September Meeting Report

Last winter Jim Wilson (my former manager ) gave a very entertaining talk on his trip from SC to Alaska & back in his Waco cabin biplane. As he was loading up his car & leaving I heard him mumble something about us visiting his private airstrip. Normally my memory is pretty poor, but we don't want to miss an opportunity like that, so I marked it in my calendar and "cashed in our chit" on September 18. At 10:00 Saturday morning we all met up at "Crosswinds" just outside Cross, SC. Most of us drove, but Roy Carson and his friend Michele arrived in his Subaru H6-powered RV-7. The total headcount was 10 including Jim. Unfortunately we didn't get to meet his charming wife Eileen because she had to go to work.



Jim has a great spread, including a 2700' grass strip, a beautiful county home and a hangar large enough for 3 planes (if they're carefully arranged) with an air conditioned shop in the back. Jim showed us his 3 aircraft: the Waco, a Fairchild KR-21 open cockpit biplane and a clipped-wing J-3 Cub he acquired at age 19. If that isn't enough he also has a Travelair 4000 restoration project and a J-2 Cub he's recovering for a friend (a project that seems to keep snowballing in complexity).



Jim talked about the VAA (Vintage Aircraft Association) wing of the EAA. He's the newsletter editor for VAA Chapter 3, which has members in NC, SC and Virginia. They're dedicated to restoring and preserving antique aircraft. It's a very close-knit group; more like a family than a club. Their big yearly event is the "Fall Vintage Fly-in" coming up very soon; Oct. 1-3 in Camden, SC (KCDN). For more info go to <http://vaa3.org>

After the shop & aircraft tour we grilled up some burgers & sausage dogs. As usual, food cooked outdoors is always delicious! I needed to slice up some tomatoes and an onion so I asked Jim if I could borrow a cutting board. He wasn't sure where it was, or even if he had one. This coming from a master craftsman with one of the best equipped shops I've ever seen. I guess he doesn't realize a kitchen can be used for more than cleaning engine parts and microwaving hot dogs.

After lunch Jim offered to take a few of our members up to buzz around the pea-patch. The first up was Paul Ely. As some of you know, Paul has quite an interesting aviation background, including working as a welder at the Taylor factory in the 1930's. He might have built that 75 year old J-2 fuselage Jim is currently restoring. At age 95 Paul doesn't get to fly much these days but I know he had fun that Saturday. His daughter Karen and our newsletter editor/webmaster Greg also got a chance to go up.



Thanks again Jim for opening up your home and hangar to our Chapter, and showing us a prime example of what the EAA is all about.

*--Kevin Thorp, Vice President*

## Poker Run

Great fall flying weather is here! On **Saturday, October 9th** Walterboro Wings-n-Wheels will hold an Aircraft Poker Run. The 120 NM course includes landings at four Lowcountry airports to gather cards. Pilots *and* passengers can participate. Mandatory pilot briefing 9:00 am at the Walterboro Regional Airport.

[Click Here for the "official" event flyer.](#)

## Our Next Meeting

**Saturday, October 16, 10:30 am - 1:30 pm at the CAFB Aero Club**

**Mint Air** in Greenville is flying down the #1 selling light sport aircraft in the US, the **Flight Design CTLS**. They will have a PowerPoint presentation and a walk-around tour of the aircraft, as well as demo flights for \$50 (refundable of course, if you purchase an aircraft). But even if you might not be a potential customer the CTLS is a fascinating aircraft to see, with a very roomy cabin, great visibility, 132 mph cruise speed, low fuel burn and a 1000 mile range.



In addition, the **CAFB Aero Club** is hosting their annual open house. This is a great way to meet the guys who run the Aero Club and see what their operation is all about. They will be grilling hot dogs and hamburgers, so all in all it looks like a great event you don't want to miss!

## Treasurer's Report

September 2010 Beginning Balance	\$1701.55
Monthly Receipts	\$0.00
Monthly Expenses	\$66.00
Petty Cash	\$30.00
End of July 2010 Bank Balance	\$1635.85

*--Rich Hassell, Treasurer*

## Membership Drive



We'd like to build our membership. More members means more diversity, more new friends, more people to share the work of running a Chapter and more shared knowledge. To achieve our goal the officers have been hard at work, trying to line up interesting activities for the Chapter and getting the word out about these events.

On September 29th we mailed 150 postcards ([Link to postcard](#)) to local EAA members who don't regularly attend our meetings. In addition we have 8.5" x 11" posters we're going to post at local FBOs this weekend.

We now have a poll link posted on our home page ([www.eaa477.org](http://www.eaa477.org)). This poll will help us learn a little more about what members and potential members would like to see in our Chapter.

## Random Glossary Terms

from: <http://www.eaa.org/experimenter/glossary.asp>

**CARSON'S SPEED** - The term Carson's speed refers to the paper "Fuel Efficiency of Small Aircraft" (AIAA-80-1847, 1980) by Professor Bud Carson of the U.S. Naval Academy, which, using prior work by Gabrielli and von Karman, defines this speed as the maximum speed per unit of fuel burned. Carson's

speed can be calculated as 1.316 times the speed for maximum lift to drag ratio, which, in turn, is 1.316 times the speed for minimum power and minimum sink rate. Carson's speed is also defined as the tangent point on a line that is tangent to the drag polar and passes through the origin. Reference: [http://members.EAA.org/home/flight\\_reports/wittman\\_tailwind.html](http://members.EAA.org/home/flight_reports/wittman_tailwind.html)

**DOPE** - Preservative and pigmented coloring for fabric aircraft covering and paints, generally nitrate lacquer but generically used to denote all early shellac and coal-tar mixtures on up to present-day acrylics.

**DYNAFOCAL ENGINE MOUNT** - An aircraft engine mount system in which straight lines projected through the mounting bolts intersect at the center of gravity (or the center of mass) of the engine and propeller assembly. Dynafocal is a registered trademark owned by Lord Corporation and is credited for a reduction of engine vibration over that of any other design.

**MAGNAFLUX** - The Magnaflux process is a method of testing ferrous metals for surface and subsurface flaws, most often used on industrial tools and engine parts during maintenance inspections. It works by applying a magnetic field to the component causing a high concentration of magnetic flux at surface cracks, which can be made visible by dusting iron powder or a similar magnetic material over the component, using either wet or dry methods. The wet method consists of bathing the part(s) in a solution containing iron oxide particles while placed in the magnetic field and inspecting it with a black light (ultraviolet light). The particles flux around the imperfections, and the patterns are visible under the black light. The dry method is based on the same principle. Parts are dusted with iron oxide particles and charged using a yoke. The particles are attracted to the discontinuities and are visible by black light.

**Low Country Sport Aviation, Inc.**  
**EAA Chapter 477**  
P.O. Box 62582  
North Charleston, SC 29419  
[EAA477.org](http://EAA477.org)



## **Membership Application**

***You must be a current EAA Member to join Chapter 477***

Name \_\_\_\_\_ EAA # \_\_\_\_\_ Exp.Date \_\_\_/\_\_\_/\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone; Cell \_\_\_\_\_ Home \_\_\_\_\_ E-mail \_\_\_\_\_

Send you meeting notices, newsletters, etc. via your e-mail? Yes [  ] No [  ]

Today's Date \_\_\_\_\_ Adult Membership [  ] Student Membership [  ]

Annual dues: Adults \$25.00 (if paid by Dec. 31 only \$20.00). Students \$12.

New members after Dec 31 pay dues pro-rated at \$2.00/month adults, \$1.00/month students.

Make checks payable to "**EAA Carolina Lowcountry Ch. 477**"

EAA 477 membership dues paid; Cash [  ] Check [  ] Amount \$ \_\_\_\_\_ Date Paid \_\_\_\_\_

Pilot Ratings (if applicable ) \_\_\_\_\_ Types \_\_\_\_\_

Total Hrs. PIC \_\_\_\_\_ Experimental \_\_\_\_\_ Last Flight Review \_\_\_/\_\_\_/\_\_\_ Hrs. since last \_\_\_\_\_

Aircraft you have owned or own now \_\_\_\_\_

\_\_\_\_\_

Aircraft you have built or building now \_\_\_\_\_

Aircraft you would seriously consider building/restoring \_\_\_\_\_

\_\_\_\_\_

Skills you would be willing to share/help other members in their homebuilt project \_\_\_\_\_

\_\_\_\_\_

Other skills/talents that can help our chapter \_\_\_\_\_

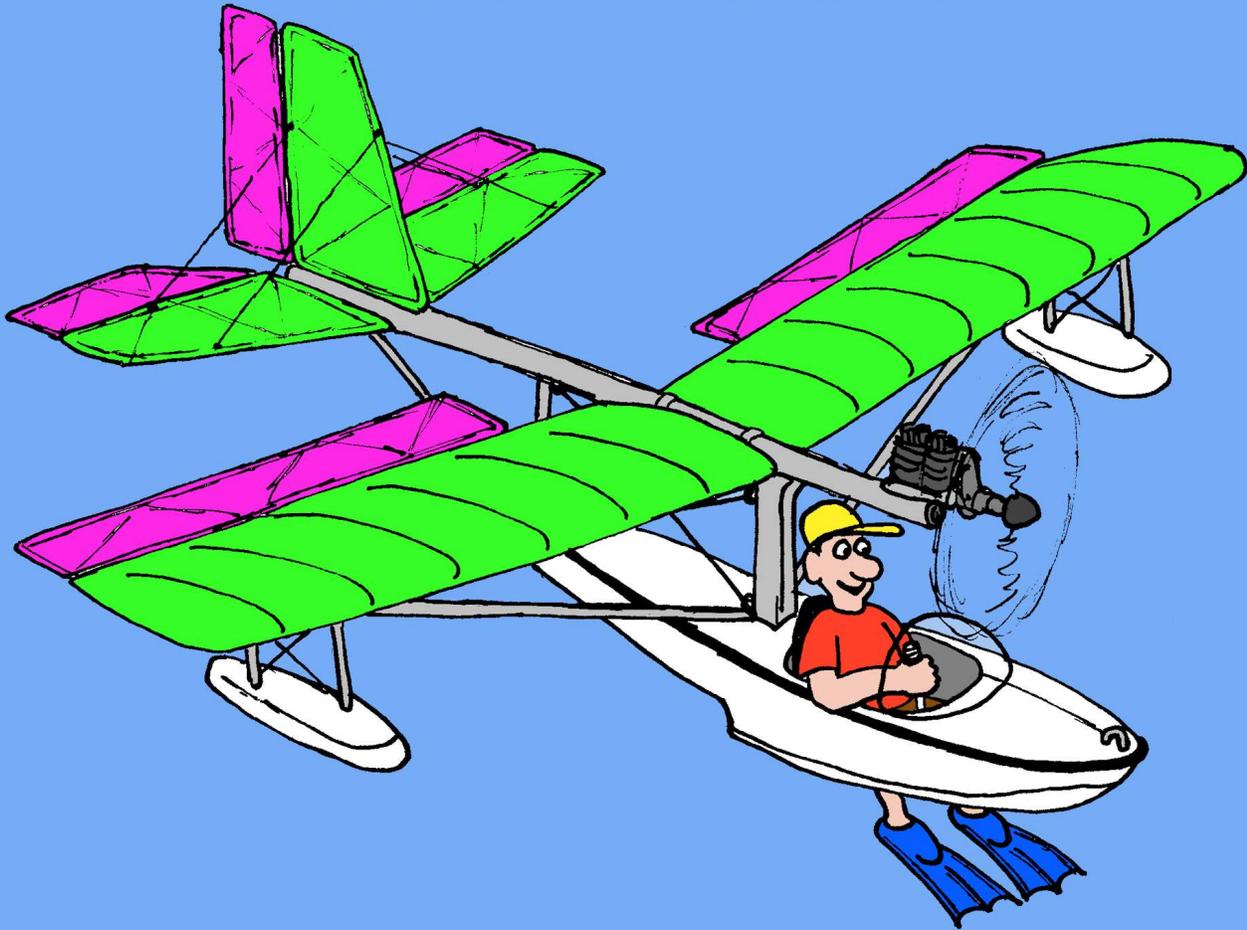
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Comments/suggestions, including membership in other EAA Chapters \_\_\_\_\_

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***Thanks, and welcome to Chapter 477!***

# ULTRALIGHT AMPHIBIAN



## LowCountry Sport Aviation, Inc.

P.O. Box 62582  
North Charleston, SC 29419



President: Glen Phelps  
Vice President: Kevin Thorp  
Secretary: Brett Grooms  
Newsletter Editor, & Webmaster:  
Greg Horne  
Treasurer: Rich Hassell  
Membership Chairman:  
Ed Hensel  
Young Eagles: Ed Roberts  
Web Site: [eaa477.org](http://eaa477.org)

## *You're Welcome to Join or Visit EAA477!*

*If you're not already a member of EAA Chapter 477 we'd love  
to have you join us!*

*Fill out the application included in this newsletter, or just drop  
in on one of our meetings & see what we're all about.*

*For more info go to [eaa477.org](http://eaa477.org)*

