

# FLYPAPER



February 2010

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

## The President's Corner

This year seems to be getting really started well with a lot of activity. The light sport exhibition in Sebring, Florida was attended by at least one of our members and another member had product displays there. We will look forward to hearing of their impressions of the event. I learned there was some significant weather to contend with on Friday, when one of them called me from there.

We also had a "kick off" planning meeting for the Walterboro Wings and Wheels, WWnW. We started planning earlier this year and are blessed with having very talented members from EAA477, the Walterboro airport, and several gifted friends of both organizations coming on board to help. You will be able to keep up to date on the developments through [eaa477.org](http://eaa477.org) and our new website that will be solely devoted to that event: [wings-n-wheels.org](http://wings-n-wheels.org). We certainly look forward to many of you volunteering and don't be surprised if you get a call asking to pitch in.

Greg Horne is in cold and icy Oshkosh, Wisconsin as I write this. He is attending the Leadership Academy hosted by EAA. We hope he will bring back a lot of good pointers for 477 as well as answers to some of our leadership's questions.

I hope all of you use the website, [eaa477.org](http://eaa477.org) to keep up to date with our activities this year. That is the best way to keep abreast of the events that are on deck. I am really excited with how things are starting out, and you should be too!

## Now for my Cozy Update:



After wrestling with working outside and inside, hampered with weather and the like, I have decided to move the project to my hanger at RBW. In many ways it is too soon. But in other ways, it is going to help a lot. By the time you read this, I hope the "Prep" will be in the hanger with most of the necessary stuff to finish it. If

nothing else, I am sure the guys there are going to be pestering me to spend time on it. *-Glen Phelps, President*

## Upcoming Events

**February 7** - SC Breakfast Club, Lancaster Airport (LKR)

**February 11** – EAA Chapter 477 Meeting, CAFB Aero Club

**February 21** - SC Breakfast Club, Rock Hill Airport (KUZA)

**March 7** - Summerville Airport (DYB) – South Carolina Breakfast Club

**March 11** – Jim Wilson will give a presentation on his 7,200 mile round trip to Alaska – Check [eaa477.org](http://eaa477.org) for more details



**March 25 at 2:45** - CHS Tower Tour, meet at Aero Club, RSVP Required

**Saturday May 15** 10:00-2:00 (rain date May 22)  
Walterboro Wings n Wheels

## January Chapter 477 Meeting

Nick Ugolini never fails to deliver an interesting presentation! And his presentation at our January EAA 477 Chapter meeting was no exception. Nick showed us several examples of aircraft wiring systems documentation and discussed the pros and cons of documenting by breaking the diagrams into subsystems groups or going with a unified diagram approach.

One of the toys that Nick had on hand for us to see was a heat shrink tube printer that allows for labels to be professionally printed directly onto heat shrink tubing.



We also discussed several alternatives to buying a heat shrink printer that ranged from using a sharpie on clear write-on wraps to preprinted generic wiring labels.

A free tool that is available for creating wiring diagrams is a software package available from <http://pcb123.com/>. Originally designed to create printed circuit board, it is being used by aircraft builders to effectively design and document aircraft wiring systems.

Another of the toys Nick had on hand was a new light weight alternator with an integrated voltage regulator that is being used on one of his projects.



## Next Meeting of Chapter 477

Our next meeting is Thursday, Feb 11, 6:30 pm at the CAFB Aero Club. Members and drop-in guests are welcome.



John Schmidt will give "Part II" of his presentation on aircraft upholstery. In addition, he & Grey Minschew will talk a little bit about the LSA Expo in Sebring, FL.

As usual we'll have hot pizza and cold soft drinks, so if you'd like to eat, bring a few bucks for the "Tip Jar". See you on the 11th!

## Upcoming Events

### Sunday, March 7, Summerville Airport (DYB)

SC Breakfast Club. Chapter 477 is not hosting (our next one is Aug. 22 in Moncks Corner), but this will be a fun event to fly or drive to.

### Thursday, March 11, (location TBD)

Jim Wilson will give a presentation on his 7,200 mile round trip from SC to Alaska in a 1936 Waco YKS-6 cabin biplane.

### Thursday, March 25, 2:45pm

Earl Fisher has arranged for Chapter 477 to tour the CHS Tower and Radar Room. This is a great opportunity to see the inner workings of this valuable service, and take some of the mystery out of who's at the other end of the radio.

If you would like to be on the tour list please contact Earl (phone 747-9764, email [earlfish@bellsouth.net](mailto:earlfish@bellsouth.net)). The deadline is Friday February 19. They can accept up to 18 guests in 2 shifts, and if we don't fill all 18 slots we'll invite the East Cooper Pilots Association and/or the Holly Hill EAA chapter.

The plan on the 25th is to meet at the Aero Club at 2:45 pm, pile into a few cars & ride over to the Tower gate together. You must be on the guest list and have a photo I.D. Cameras are okay, but no flash. The tour should take about an hour. Thanks for setting this up, Earl!

## April

(Tentative) we might be taking a little trip to Savannah to tour the [Gulfstream](#) factory and the [Mighty Eighth Air Force Museum](#). We'll have details if/when it's confirmed.

### Saturday May 15 10:00-2:00 (rain date May 22)

Walterboro Wings n Wheels. The executive committee has been meeting with the Walterboro airport guys, local businessmen and car club leaders. This event is shaping up to be even bigger than last year! For details go to [wings-n-wheels.org](http://wings-n-wheels.org)

## Keeping your mind In the Game

As Pilots we are constantly in learning mode, or at least we should be, but how many of us regularly utilize the vast Aviation resources available to us on the Internet? There are a myriad of FREE resources available to keep our minds In the Game on those rainy days or late evenings. I will only touch on a few in this article but will try and bring you more in future articles. I don't think it could be said any better than what Lorrie Sullenberger stated so eloquently about her husband, "He is the consummate pilot. He is about performing that airplane to the exact precision to which it is made." To operate at this level we must be fully committed to learning every aspect of our flying environment. The following are just a few of the tools available online to help us keep our mind in the game.

**FAAST** - Here pilots can participate in the WINGS Pilot Proficiency Program. There are hundreds of interactive courses available where you can focus learning on weak areas. You can even apply passed courses along with flying tasks flown with a CFI to obtain various levels of status including resetting your BFR date. [faasafety.gov](http://faasafety.gov)

**Sportys FREE Study Buddy** - An interactive Test prep program allowing you to create customized study sessions and randomly generated practice knowledge tests (Private, Instrument, and Commercial). I assume after passing an exam most of us never review or attempt to take the test material again. What a great way to test your retained knowledge and pick up on some of that lost knowledge. [sportys.com/studybuddy](http://sportys.com/studybuddy)

**Exams 4 Pilots** - Another great site that has all the various practical test including Sport Pilot, Private, Instrument, Commercial, Instructor, ATP, along with A & P Mechanics tests. [exams4pilots.org](http://exams4pilots.org)

**Aviation Safety** is one of my favorite magazines and an outstanding source for straight forward in-depth analysis of accidents. Aviation Safety is a quick read without a bunch of fluff advertising: [aviationsafetymagazine.com](http://aviationsafetymagazine.com)



**AOPAs Flight Training site** - An excellent resource for student pilots, with plenty of flight training resources, tips on flying lessons, information on flight tests, and more. Also very helpful for current and future CFIs. [flighttraining.aopa.org/](http://flighttraining.aopa.org/)

Obviously EAA and AOPA magazines are great resources to stay updated on various changes being proposed or enacted with informative how to articles and inspiring stories. [aopa.org](http://aopa.org), [eaa.org](http://eaa.org)

**Live ATC feeds** - Again there are many live Air Traffic Control feeds you can listen too on the Internet which is another way to familiarize yourself with proper ATC communication terminology: [liveatc.net](http://liveatc.net)

There are also blogs, twitter sites, and of course the most fun, face to face discussions with other pilots. Pilots are very astute and quick to analyze others unfortunate errors, noting we would never make that type of mistake ourselves. Don't discount these type of discussions as they can be extremely beneficial. Remember to seriously consider the various factors and acknowledge each one of us can make similar mistakes. One of my favorite quotes is: A superior pilot uses superior judgment to avoid those situations which require superior skill.

-- Brett Grooms

### Safety Reminder - Fuel Vents

It is common practice to put protective covers on pitot tubes and various other areas to prevent 'critters' from nesting or building homes in our aircraft but it's not as common to put similar covers on fuel vent lines. Sure we check the vent lines visually during the preflight but how do you really know an insect hasn't built his house 3 or 4 inches up the vent line just out of sight? As we all know bugs are plentiful here in the south. Recently a Beech Baron landed in Charleston with a full fuel tank indication but upon closer inspection it was determined there was only 6 gallons of fuel in that tank. The fuel vent line was blocked, which created a vacuum strong enough to collapse the badder around the fuel probe, giving a 'full' fuel indication to the pilot. An inspection of the

fuel vent line found a mud dauber had decided the vent line was an excellent place to build his home, much to the distain of the pilot.

Prevention is the only way to assure those critters don't get in there in the first place. Using covers for pitot and fuel vents is vitally important, but remember to be darn sure and remove them. In the case of clogged fuel vents, the engine will likely run just long enough to put the aircraft in a very compromised position either during or just after takeoff.

-- Brett Grooms



### Treasurer's Report

Jan. 10 Beginning Balance	\$2,600.91
Monthly Receipts	111.00
Monthly Expenses	236.51
Petty Cash	30.00
End of Jan. 10 Bank Balance	\$2,475.40

--Rich Hassell, Treasurer



**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 \_\_\_\_\_

\_\_\_\_\_

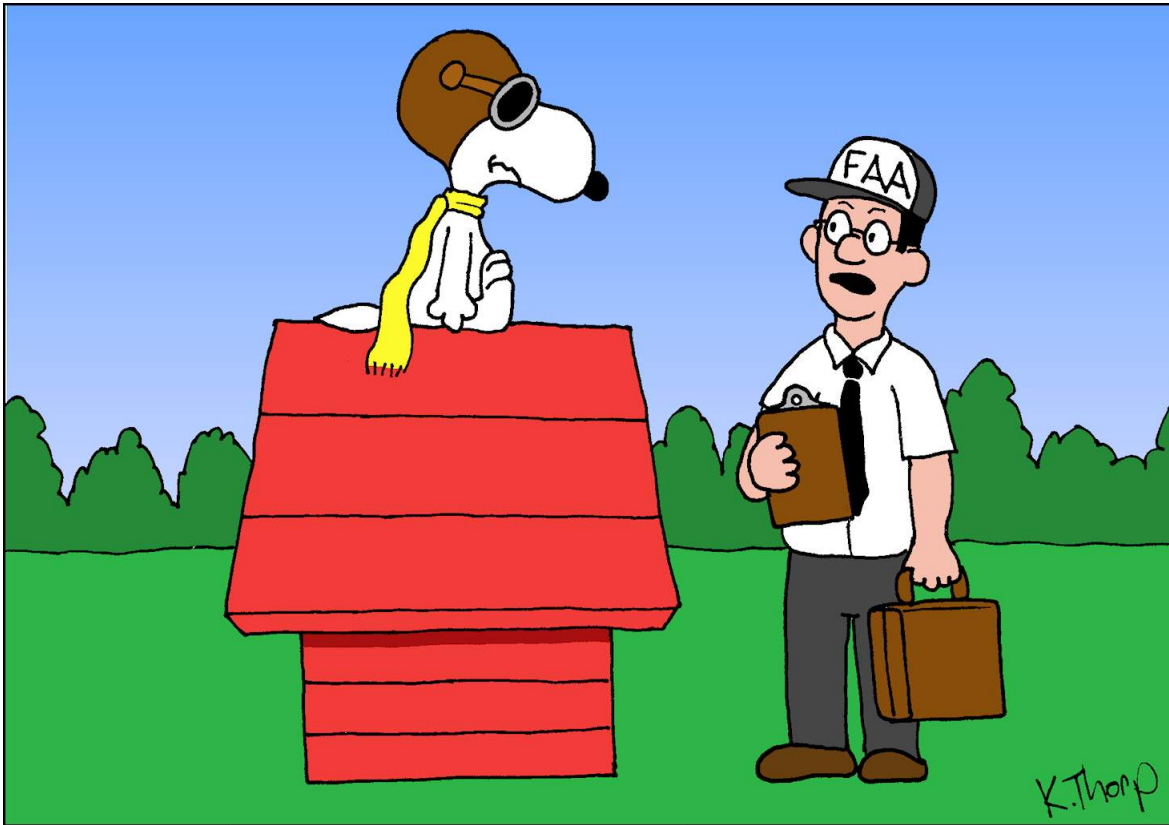
Other skills/talents that can help our chapter \_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

*Thanks, and welcome to Chapter 477!*



"SIR, I'LL NEED TO SEE YOUR PILOT'S LICENSE, MEDICAL CERTIFICATE, REGISTRATION, RADIO LICENSE, CHART..."

**LowCountry  
Sport Aviation, Inc.**

P.O. Box 62582  
North Charleston, SC 29419



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*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)*

