



The President's Corner

Sometimes you just don't know where the time flies, but if we get to fly, why can't time? Well it certainly did this past month, at least for me.

As you read on through the newsletter, you will find reports on our activities and the activities of other groups. Our own John Disher has successfully received his temporary airworthiness certificate for his RV9A registered as N941RV. Soon he can begin the flight test phase of his project. We are looking forward to more information from John in the November FlyPaper.

We have a big event this month - our "Aviation Open House" planned for October 18th at the Summerville airport, DYB. This will take the place of our regularly scheduled "second Thursday" meeting. Frequent updates will be available on our website, www.eaa477.org. There is a lot of scheduling going on to make this happen, and we are going to need help to have a good event. I would encourage all of you to contact one of the officers if you can help. We have plenty of assignments.

I'd also like to mention that soon it'll be time to renew your EAA Chapter 477 membership. As most of you know, you must be a paid-up member of the national EAA in order to be an active member of EAA Chapter 477. So please check your national memberships.

Now for my Cozy project progress report.

As I said in the opening of the my report, time flies! Many, many small items were completed, mostly related to finishing.

But the one big thing that I had hoped to complete by the end of September was the mounting of the engine on the test stand. Well, that has not been completed on schedule.

Rats! (and other expletives). Sometimes outside events complicate our plans. However, I am hoping to have the engine and test stand at the Summerville Open House. Not only is it necessary to have the engine running, but I need to have the prop on it for load. So, I have been working on that too. If you don't set a goal or target you can't tell if you are successful, (actually hitting the target, SOMEPLACE at least).



-Glen Phelps, President

Upcoming Events

Oct 3-5 - Vintage Aircraft Association Chapter 3 Fall Fly-In, Camden, SC, Woodward field (CDN)

Oct 5 - SCBC Camden (CDN)

Oct 18 - Summerville Airport Open House (rain date Oct 25)
10:00 am – 2:00 pm. We plan to have hangar visits, projects, completed planes, LSAs, antiques, an auto engine conversion run on a test stand, RC models and hamburgers hot off the grill! Open to the public.

Check www.eaa477.org for updates.



Oct 19 - SCBC Barnwell (BNL)

Nov 13 - EAA Chapter 477 Meeting
6:30 pm at the CAFB Aero Club.

Low Country Sport Aviation, Inc.

EAA Chapter 477

P.O. Box 62582
North Charleston, SC 29419
www.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 or \$20.00 if paid by Dec. 1. Students \$12.

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

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

Pilot Ratings (if applicable) _____ Types _____

Total Hrs. PIC _____ Experimental _____ Last Biennial ___/___/___ 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!

September Meeting Report

We had about 14 members and guests at our September 11th meeting at the Aero Club. Rich brought sodas and Glen brought hot pizzas. As usual we had more than enough food and the cash donated to the “tip jar” more than covered the cost of the food & drink.



The first item on the agenda was to go out into the hangar to see a couple Cozys Nick Ugolini has recently acquired. One is a partially complete Mark III and the other (shown above) was complete Mark IV, but not to Nick's standards. He will be retiring soon and his new full-time job will be building/rebuilding Cozys.

After we returned to the meeting area Glen talked about the upcoming DYB Open House and the need for volunteers.



Then Nick did part 2 of his technical presentation on aircraft propellers.

Part 1 dealt mostly with theory and how to measure a prop so you can duplicate it. This time Nick talked about transferring the shape to the new prop.

He also demonstrated his static prop balancer and how balanced his new “factory” prop was. It was pretty close but not perfect. A couple pieces of masking tape on the tip were enough to balance it. This would be replaced with lead shot epoxied into a hole drilled close to the hub.



But the best way to balance a propeller is using a dynamic prop/engine balancer. The engine/propeller combination is balanced right on the aircraft, in a flight ready state. A small vibration sensor (accelerometer) is attached to the engine in a location where vibration due to mass imbalance is maximum. A small tach pickup (photo-tach) is also mounted to the cowl or engine to produce a propeller tach signal. The engine is operated and the vibration and tach signals are processed by the electronic balancer.

Nick also talked about the need to check the torque of your prop bolts, specially if the humidity changes. Belleville washers (shallow conical shaped springs) are sometime used to prevent bolts loosening on wooden props.



Dynamic Prop/Engine Balancer

Thank you Nick, for another fascinating presentation!

-Kevin Thorp, Secretary

EAA Chapter 1465 Fly-In Holly Hill, SC

On September 27 I drove up to Holly Hill to check out their “Harold W. Evans” memorial Fly-In. Great people, great weather, good food and a lot of neat LSAs on deck. Thank you Thomas Walters, Larry Gardner and other Chapter 1465 members for organizing this fun event!

-Kevin Thorp, Secretary



Note the air-brushed “modification” to the nose.



Larry Gardner showing how to measure ethanol in fuel.

(go to www.eaa477.org to see more photos)

Treasurer's Report

Bank balance: \$ 2314.20

Petty cash & Postage: \$ 89.40

Bank balance & other assets: \$ 2403.60

-Rich Hassell, Treasurer



LowCountry Sport Aviation, Inc.

P.O. Box 62582

North Charleston, SC 29419



President: Glen Phelps
Vice President: John Disher
Secretary, Newsletter Editor, &
Webmaster: Kevin Thorp
Treasurer: Rich Hassell
Young Eagles: Doug Shorter
Web Site: www.eaa477.org

Aviation on the Brain?

*Are you a pilot?
Building a project?
Thinking about building
a project? Or just
interested in sport
aviation?*

*Check out our web site
and drop in on one of
our chapter meetings.
See ya there!*



SOFT-FIELD SUPER CUB