

Experimental Aircraft Association



TALESPINNERS

Chapter 174

Cincinnati, OH
Chartered since 1966
www.eaa174.org

Vol. 40, No. 11 << Next Mtg: Sun, November 19, 2:00 PM, Hawk Building >> November, 2006

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Gary Collins (513-722-7877)

Secretary: Kevin Kinney (513-769-1117)

Flight Advisor: Don Fairbanks (513-732-5852)

Treasurer: Phil Cady (513-528-2282)

News & Web Editor: Norm Beaudette (513-247-0347)

President's Notebook

Notes from the President – What's Coming Up?

By Gary Collins

First things first: ✓The December Christmas Party will be VERY EARLY this year – Sunday, December 10th at 1:00 pm. Get it on your calendar now! We need you to think about bringing Holiday goodies for the bake sale, which was very successful last year.

✓I am still looking for nominees for the elected positions. Currently, Greg Baker will be on the ballot for V-P, Norm Beaudette for Secretary and Phil Cady for Treasurer. We will still accept nominations just before the election at the November meeting.

✓If you haven't paid your dues please send \$20 to Phil Cady ASAP.

✓There is a deadline approaching on January 31, 2007 for ultralight pilots to transition to sport pilot status and take advantage of some special considerations that make the process easier and less expensive. When the deadline was put in the FARs it seemed a long way in the future but the infrastructure needed to transition was not in place. Study guides and flight instructors were not available. Designated pilot examiners knowledgeable and/or approved for Sport Pilots were not trained. If any member is caught in this deadline, please let me know. There is lots of expertise in this chapter and we will assist. Would it be helpful if we had a DVD in the library that covers Sport Pilot Test Preparation? Could we do some special Wednesday evening programs to help you prepare for the knowledge test? Please let me know. My cell phone number is 513-509-2526.

You may as well get prepared to hear about my projects over the next year. Sorry but part of me is

focused on the projects and thus they are on the top of my mind.

This past month I installed Cessna 180 gear legs on my 170. The goal was not to make the plane weigh more – it is now up to 1400 lbs empty with the 10 additional pounds of longer thicker gear legs and steel axles. The goal was to make it sit at a higher angle of attack in the three point attitude. Hopefully that will make the micro-vortex generators on the wings work better and permit shorter take-offs. I have about 10 landings with the new legs now and I think they help in that regard. I know they help with three point stall landings which work perfectly now. With the vortex generators and the original legs I got the tail wheel down first and generally quite hard all the time. It is interesting that the attachment system for all gear legs from the original 1948 Cessna 170 at 2200 lbs gross to the last Cessna 185 at 3350 lbs gross is identical. The only difference is in the legs and axles but not in the gear box brackets or the single bolt that attaches each leg. The plane is about 4 inches taller now and a side benefit is I can walk under the wing without fear of a nasty Cessna bite.

I must recommend you see the play currently at the Playhouse in the Park. It is a musical in the tradition of the great American musicals from the so-called "Golden Age of Broadway". It has the sweep and scope of those uniquely American stories and it speaks to a multi-generational audience. "Ace" has a military flying theme and is about loss and transformation. It is about parenting and what a fragile process that is. Ace is the winner of the Mickey Kaplan New American Play prize. It was presented in St. Louis last month and here this month in a pre-arranged dual opening. You will be impressed by the performance of Noah Galvin who portrays Billy, the 10 year old main character in the play. For the first major production by Richard Oberacker it is truly outstanding. I was impressed by Richard from the first time I saw him playing the piano for the fourth grade production of "Grease" at Ayre Elementary School. He and my daughter Jennifer went through K-12 together. "Ace" will be at the Playhouse (513-421-3888) through November 17th. You won't be disappointed.

I stopped at Doc Mills Mower shop on Wolfpen Road recently to get some tiller parts and got to talking with Doc about checking auto fuel for alcohol. He flies a beautiful Luscombe. He had been to an auction of another mower shop that was going out of business and bought some alcohol test kits made by Briggs & Stratton. It is a flat bottomed glass tube with a screw-on cap. All the instructions are printed on the tube in fuel proof paint. The Briggs part number is 100023 "Gasohol Test Kit" Doc does not normally stock these but could order them. I found them on-line at www.jacksmallengines.com for \$5.07 each. I have been using a 100 ml glass-stoppered graduated cylinder, which makes reading the percentage alcohol easy. The hard part of this test is getting a small amount of gasoline into the test tube. Over this summer I have developed a technique that works but is still a bit messy. I carry a small plastic squeeze bottle of water which is needed for the test. A one gallon plastic gas container is used to collect a small sample of fuel and the difficult part is pouring 90 mls into the graduated cylinder. The even smaller Briggs & Stratton tube would be even more of a problem. If you have a solution for dispensing 25 to 90 mls of gasoline I would like to hear it. I have tried using a turkey baster but the surface tension of gasoline is so low that it will not stay in the baster to make the transfer.

Have you ever wondered about how much change in rate of climb can be expected by an increase in horsepower? I have been using the following

formulas for years. An airplane can climb because it has excess power over that needed for level flight.

The first formula calculates excess horsepower (exp)

$$(1) \quad \text{exp} = \frac{\text{rate of climb} \times \text{weight}}{33,000}$$

So if my Dart with a 90 hp Warner will climb 810 fpm at 1540 lbs

$$\text{exp} = \frac{810 \times 1,540}{33,000} = 37.8 \text{ hp}$$

The next formula is used to calculate a new rate of climb, ROC, at a different weight (wt) and/or hp.

$$(2) \quad \text{ROC} = \frac{\text{exp} \times 33,000}{\text{wt}}$$

So lets say we install a 145 hp Warner. What will the ROC be? We determine the additional hp to be 55 (145-90) plus the 37.8 calculated with formula (1). So 55 plus 37.8 = 92.8 exp:

$$\text{ROC} = \frac{92.8 \times 33,000}{1,560} = 1,963 \text{ fpm}$$

Actually installing the 145 Warner would add so much weight that it would become a single place airplane but that is another issue. Extra horsepower really helps climb but does not do nearly so much for speed. My rule of thumb for speed is to divide the increase in horsepower by two and add that value to the original cruise speed. In this case, for example: $55/2 = 27.5 + 118$ equals 145.5 mph. This is not so accurate as the above formulas for climb but it comes close for small homebuilts. If you have similar formulas that have been helpful or entertaining, write it up for the newsletter.

NEWSLETTER EDITOR LOCATED!

Dwayne Hensley has offered to keep the presses rolling for our monthly chapter newsletter, and will take over as the newsletter editor. Norm will give Dwayne a hand, if needed, during the transition.

Please give Dwayne your support by providing interesting ideas for articles, etc. The best way to help out is to provide updates on your project, whether it's a homebuilt or a restoration. Nothing fancy is needed – just a few paragraphs and a picture or two. – *Norm Beaudette*

REAL DEALS AT THE OCTOBER MTG AUCTION!

Our “somewhat annual” auction turned out to be a pleasant benefit to both the chapter and its members. Gross proceeds amounted to a very tidy \$221.50, and members got to go home with just a bit more “stuff” to stow away in their hangars (imagined or otherwise) – until the time comes when it just might actually become useful.



Paul and Howard compete for Best Auctioneer

Here's a partial list of some of the steals:

Cleco pliers, rivets, etc.	\$ 12.50
Turnbuckles, etc.	3.50
Antique spark plugs	7.50
Box of shielded wire	6.00
Drill press	10.50
Turn & Bank indicator	4.50
Compass	6.50
Air boxes (2) for Piper Cub	28.00, 34.00
Curved wrenches	7.00
Dimpling guide, etc.	16.00
Slick mags & new wiring harness	4.00
Headset & Com unit	5.00

The auction was lots of fun as Howard Wells and Paul Gould displayed their highly tuned auctioneer skills!

NOVEMBER FLY-OUT TO PHEASANT FARM

We'll be flying out (and some of us may be driving out) to the Cherrybend Pheasant Farm again this year for the November Fly-out, Saturday, November 25th. You can indicate your intentions on the Fly-outs page of our web site. Please indicate the number in your party, as well as whether you intend to fly or drive, in the Note section of the form.

Cherrybend Pheasant Farm
2326 Cherrybend Rd.
Wilmington, OH 45177
937-584-4269
web: www.cherrybendhunting.com
email: info@cherrybendhunting.com

Hollister Field (2B6), Wilmington, OH
CTAF 122.9
Elev. 1090 ft.
Rwy 5/23: 3203 x 80 ft., turf
Rwy 13/31: 2670 x 80 ft., turf
Cautions: Pheasant released N. side of rwy.
Obstructions: Fences
Airborne Airpark 4 nm W. Approach from ESE to avoid contact with KILN controlled airspace.
Information courtesy of AirNav.com

Please try to arrive at the Farm by 12:00 pm, so that seating can be arranged in a group.

CONGRATULATIONS TO TODD AND DEBBIE

Todd and Debbie Winemiller are the proud parents of a brand new baby girl, Madison LeAnn, born October 26th. Todd's already preparing to teach the future stunt pilot a few tricks, starting with loops and slow rolls. Before you know it, we'll be registering her for Young Eagles – sooner than you think, Todd!

Congratulations Todd and Debbie!



Some of the many great buys auctioned off at the October meeting

NOVEMBER MEETING – ELECTIONS!

Gary Collins will continue on as President this year (officially!). Nominees for other positions this year, all unopposed, are (note changes from mtg):

Vice President – Greg Baker
Secretary – Norm Beaudette
Treasurer – Phil Cady

After the elections, Dr. Paul Terrell, FAA Medical Examiner, will provide us with an update on Aviation Medical Issues.

CHRISTMAS PARTY ON THE HORIZON

This year's Annual Christmas Party will be held on Sunday, December 10th in the Hawk Building, beginning at 1:00 pm. Please note that this is ONE WEEK AHEAD of our normal third Sunday meetings, so mark your calendars accordingly. Remember that this is a family affair, so bring the spouse and kids.

This year, we will have another Bake Sale, which proved to be very popular last year.

As in previous years, members are asked to help with the food items. Please try to bring a salad, hot veggies, appetizer or desert, or bring along an item (or items) for the Bake Sale. The Chapter will provide the main meat dish and drinks.

☞ NOTE THAT BECAUSE of the early Christmas Party, it is likely that a December issue of the Newsletter will NOT be published.

PROJECT FOR SALE

Kitfox Model 4-1200 Project

Plane is complete in parts except engine.
Inspected once by Howard Wells.

Call Jim Belcher at 513-575-3591. Please call before 9 pm evenings.

OFF THE WINGTIP

No room for a photo this month!

Howard Wells won last month's contest. He correctly identified the photo as that of a 1928-29 Great Lakes Trainer.

CHAPTER DUES ARE... DUE!

It's that time of year again – time to shell out Chapter dues for fiscal year 2007.

Please send your annual Chapter dues (still only \$20) to:

Phil Cady
1234 E. Glenwood Ct
Amelia, OH 45102

Make your check payable to *EAA Chapter 174*. Or bring a double sawbuck to the Christmas Party on the 10th.

Please help us save money – so we don't have to mail a separate reminder – by sending in your dues today. The Chapter's counting on you!

FOR THE ROSTER

> See paper or email copy for xxxx information
New Members:

Robert Rainey

3188 Summitrun Dr
Independence, KY 41051
Home – 859-363-xxxx (see paper or email copy)
Work – 859-767-xxxx
Cell – 859-496-xxxx
Project: Zenith Zodiac CH601HD
bobrainey@xxxx
Occupation – A&P Mechanic, Delta Air Lines

David Gallagher

8863 Morrow-Rossburg Rd.
Pleasant Plain, OH 45162
Home – 513-877-xxxx (see paper or email copy)
Work – 513-243-xxxx
Project: Zenith Zodiac XL
david.gallagher@xxxx
Occupation - Engineering

Changes:

Terry Taylor – email: terryt@xxxx

OCTOBER MEETING MINUTES – 10/15/06

Recorded by Kevin Kinney, Chapter Secretary

- Call to order at 2:15
- Today's program is the auction. The November program will be Paul Terrell, flight doctor
- A board meeting is planned on Wed, 10/25 7PM 2nd Fl to talk about Xmas party.

- Treasurer's report
 - o \$7206.08 in total assets
 - o \$6618.52 in a CD coming due in Dec
 - o \$667.50 in checking with receipts outstanding
 - o At the end of this fiscal year, Phil reports an overall income of \$663.75. By comparison, we ended last year \$587 in the red.
- The chapter booth at Blue Ash Days cost \$156 in rent and brought in \$352.
- Planning is starting for the Xmas party. As all gifts were paid for, only food related expenses are expected.
- Officer Nominations
 - o Greg Baker has agreed to run for chapter Secretary. Phil Cady has agreed to stay on as Treasurer.
 - o As for VP nominations, numerous names were mentioned, all of whom were not at the meeting. Let this be a lesson to you; miss the October meeting at your own peril.
- Newsletter
 - o Norm Beaudette will hand off newsletter responsibilities to Dwayne Hensley beginning in December. Thank you to Norm for your skilled & dedicated service.
 - o Also on the topic of newsletters, Kevin Kinney has foolishly agreed to write 6 articles for the newsletter. If you have any ideas for topics, he would be glad to hear about them.
- We will order some EAA Calendars for the chapter members.
- Norm also notes that if you have any address or email changes to notify him.
- Raffle
 - o Greg Baker spoke to encourage ticket sales as the raffle will happen at Xmas party.
- New Members
 - o Bob Rainey is a sport pilot living in Independence, KY and flying out of Waynesville. He works for Delta as an A&P. He will be building a Zenith Zodiac HD and will be attending the builder's workshop in November. His engine plans include the Jabiru 2200.
 - o Dave Gallagher & Mitchell the "Cleco Kid" live north of Goshen and are building a 601XL.

He is an A&P also and is planning on the Jabiru 3300 engine.

- Issue 15 rally – Saturday, 10/28 4-6PM at Exec Aviation in Blue Ash. Will view the concept plans for the park & airport. Rob Reider will emcee the event & attendees will view the restoration of "My Gal Sal", a B-17.

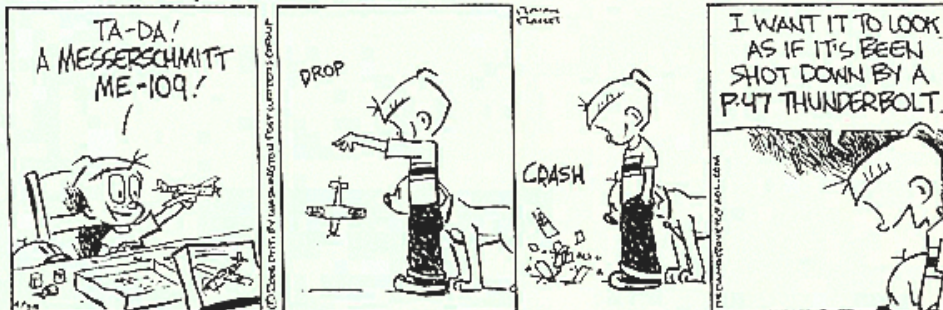
Respectfully submitted, Kevin Kinney

NOVEMBER BOARD MTG MINUTES – 11/01/06

- Board members in attendance – Lee Jewell, Kathie Doyle, Howard Wells, Todd Winemiller, Phil Cady, Gary Collins and Kevin Kinney.
- New business – Todd Winemiller is the father of Madison LeAnn, born 10/27, weighing 5 lbs, 8 oz. Congratulations Todd, now you know how well you used to sleep.
- Discussed VP nominations, a number of names were mentioned as possible candidates. Board members will be contacting people who may be interested in running for VP.
- The Xmas party was discussed. This year it will take place on 12/10 at 1PM.
- Honeybaked ham & fried chicken will be provided. Members are asked to bring an appetizer, salad, vegetable or desert.
- Kathie has decorations covered and the gifts are bought. Todd will inventory the dry goods. Howard will take care of coffee. Kevin is in charge of cleanup and is hoping for dry weather.
- Discussion included streamlining award presentations and awarding door prizes.
- Kathie is also planning on a bake sale, similar to last year's.
- There was also discussion on the possibility of sponsoring a youth going to the Young Eagles Academy next year. No decisions were made as to who would be considered or the amount of funding
- The November fly-out will be on 11/25 to the Pheasant Farm. Members should plan at meeting at the farm by 12:00.

Respectfully submitted, Kevin Kinney

Red and Rover / by Brian Basset



Upcoming Events of Interest to Chapter Members

- **Nov 14, Tue. Wings & Things Guest Lecture Series.** Col. (Ret.) Darrel Whitcomb: "Call Sign Raven: Fighting the Air War in Laos". All lectures begin at 7:30 p.m. Doors open at 6:30 p.m. and admission is free. Wright-Patterson AFB, 1100 Spaatz Street, Dayton, OH.
- **FAA Nov 18, Sat. Aviation Safety Education Seminar.** "Icing for Regional and Corporate Pilots". A NASA Glenn Icing Research facility video based presentation by Gold Seal CFI Steve Thibodaux, this program will use real life examples to demonstrate decision making and proper procedures in the event of an inflight icing encounter. Greene County Airport, Xenia, OH, 10:00 am.
- **174 Nov 19, Sun. Chapter Meeting.** Chapter elections. Hawk Building, Clermont County Airport, 2:00 pm.
- **174 Dec 10, Sun. Chapter Christmas Party.** Bring a sweet offering for the Bake Sale! Hawk Building, Clermont County Airport, 1:00 pm.

!!! REMINDER !!!

**Chapter dues are now due
for 2007.**

**See page 4 for where to
send payment.**

**Your Chapter needs your
support!**



Next Chapter Meeting

Sunday, November 19th, 2006, 2:00 PM

**Update on Aviation Medical Issues
By Dr. Paul Terrell
FAA Medical Examiner**

Hawk Building, Clermont County Airport