



Promoting Aviation Thru Safety and Education

# The Zelig Zephyr



The Leader In Recreational Aviation

Zelienople, P.A. EAA Chapter 857

EAA857.ORG

Meetings are the third Tuesday of each month at 1900 hrs.  
Hangar 1 training room at Zelienople Airport (8G7)

## Presidents Message

### Programs

It is my believe that the informational program that we have after out stated meetings is the best part of our chapter.

Sure we need to do the business of the chapter, but after reading the secretary and treasures reports, and completing outstanding business its time for the program.

This month we have two good short programs that I hope you will enjoy.

If you can remember back to the December issue of ‘Sport Aviation’ under the ‘craft & technique’ section fellow EAA member Dave Barker constructed a “lead acid battery pulse desulfator”. (see Dec ’06 page 113.)

With the aid of Dave’s chapter 79 they produced a kit that you can build.

Bob Winkle has ordered the kit and completed its construction.

He has also tried on a heavily discharged battery and he will be sharing his results.

Also we will see a 30 minute program from Hartzell Propellers about the care and maintenance of a constant speed propeller.

The toolbox construction project was a success. We have built 8 toolboxes.

Each is a little different; Mark Smiley concealed his hinge, and Don Wentz decided to put his sides on the inside of the side flanges and counter sink the front lip. Don has created an aerodynamic toolbox. Bob Winkle added a decorative handle and Phil Kriley remained true to the plans. That’s why they call it the Experimental Toolbox Associating.

Larry Gaichas, Bob McMillin and Bob Severns are still in work.

It was good to see the interest in building something; it was equally satisfying to help each person. Hopefully by getting a little hand’s on experience they may want to try something bigger.

Look Out... I may of started something. (I’ve heard the word RV12 many times)

Next month I’ll have pictures of the toolbox guys in the Builders Corner section of this highly acclaimed and award winning publication.

Chuck Lotz

### Program

Bob Winkle will give presentation of the “Pulse Desulfator” that he built.

Also there will be a 30 minute video from Hartzell Propellers on the care of “Constant Speed Propellers”

March 2007

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### Chapter Officers

**President,**  
Charles Lotz

**Vice President,**  
Elden Lorah

**Treasurer**  
Al Velette

**Secretary**  
Bob Tarbet

**Photo/Historian**  
Charles Lotz

**Newsletter Editor**  
Charles Lotz

**Young Eagles**  
Don LaVoie

**Fly-in / Breakfast**  
Bill Kernan  
Don Wentz

**Fly-out Coordinator**  
Bob Santolla

**Membership**  
Debie Santolla

**Technical Advisor  
Chairman**  
Chuck Potts

### Board Members

Chuck Lotz  
Bob Santolla  
Bob McMillin  
Dave Folker  
Larry Schaefer

### Technical Advisors

Chuck Potts  
Bob Santolla  
Chuck Lotz

MINUTES OF FEBRUARY 20, 2007 MEETING

President Chuck Lotz called the meeting to order at 19:00 p.m. and led the members in saying the pledge of allegiance before the meeting was started.

Attendance: Seventeen members were in attendance. There was one visitor in attendance. The visitor was Andrew Kriley son of Phil Kriley.

**Secretary Report:** Robert Tarbet. Everyone was asked to read the minutes from the newsletter. A motion to accept the Secretary Report was made by Marsha Hood and seconded by Don Wentz.

**Treasury Report:** Al Velette. In the absence of Al, Chuck presented copies of the Treasurers Report. A motion to accept the Treasury report was made by Larry Gaichas and seconded by Phillip Kriley.

**Historian:** Chuck Lotz. Chuck stated that the pictures are being put into a photo album. We still need pictures for the photo album. We also have books and videos in our chapter library.

**Young Eagles:** Chuck Lotz. Chuck stated, in the absence of Don LaVoie, that Larry Schaefer had several candidates for summer camp. Applications are now available.

**Fly Out Coordinator:** Bob Santolla/Bob Severns. In the absence of Bob and Bob, Chuck stated that there was to be a gathering of 100 P-51 Mustangs on September 27 – 30, 2007 @ Columbus, Ohio.

**Membership:** Debie Santolla. In the absence of Debie, Chuck stated that there was no report.

**Technical Advisors:**

Chuck Potts, 724-752-0844

Bob Santolla, chairman 724-865-1165

Al Velette, 724-652-0155

Chuck Lotz, 724-934-3138

Chuck stated that he had nothing to report.

**Fly-in Breakfast:** Don Wentz & Bill Kerman: Don stated that the first fly-in breakfast is scheduled for May 20, 2007. The breakfast will be from 9:00 am to 1:00 pm and Young Eagles from 10:00 am to 1:00 pm.

**Clothing sales shirts and hats:** Elden Lorah. Elden gave us an update on the hats and shirts.

**Airport Liason:** Dave Folker. Dave stated that there was going to be an Airport Authority meeting on February 21, 2007. A new package sewage plant would be built on the airport grounds.

**Programs:** Chuck Lotz. Chuck stated that after our meeting there would be a class instructing us how to rivet the tool box.

A motion to adjourn at 19:30 p.m. was made by Marsha Hood and seconded by Dave Folker.

Respectfully submitted,

*Robert W. Tarbet*

**Shirts / Hats**

Elden will be taking orders for the next round of shirts and hats.  
The prices have not been set yet.  
If you would like a hat, polo shirt with or with out a pocket please let Elden know.

**Magazines**

Dan Hood has 25 years of FLYING magazines that he is looking to get rid of. (correction Marsh Hood has ...)  
Contact Dan ARCHER90M@COMCAST.NET



**Birthday Wishes**

- Rod Bear 3/5
- Brian Potts 3/5
- Dave Boyd 3/11
- Larry Gaichas 3/30



**CONGRADUATIONS**

Fellow EAA member and proud Cherokee owner Don Wentz has successfully been appointed to the Airport Board.  
Way to go Don.  
You may see Don in action at the next Airport Board Meeting , Wednesday the 21st at 7:30 pm.  
Now about my hangar rent.....

**Gathering of the Mustangs.**

Bob Severns would like to do a trip to Ohio for the Gathering of the Mustangs.  
It is a gathering of the P51 Mustang airplane.  
It would be an over night trip to the Columbus Regional Airport in Ohio.  
With possible a side trip to Dayton for the Air Force Museum.  
The date is September 27 –30 Thursday thru Sunday.  
  
Most likely we would car pool.  
Leaving early Friday morning and getting home Sunday evening.  
So far it is in the planning stages only. Bob needs your input.  
He would like suggestions and be able to determine if there is enough interest.  
Please look at <http://www.gml2007.com/index.cfm> website, and give the idea your consideration.  
  
Be sure to see Bob Severns at this month meeting and give him your ideas.

## **Builder's Corner**

Each month I will try to highlight a chapter member's project.

Send me a paragraph or two and a few photos. If you don't have a digital camera I'll come to your shop and take pictures myself.

So far I have: Bob McMillin, RV9 January

Phil Kriley, Cozy February

Bob Tedesco, CH701 March

The toolbox project guys April

### **BOB TEDESCO and his CH 701**

A few years ago, I attended a rudder building class for the CH 701 "Sky Jeep" at the Zenith production facility in Mexico, Missouri. The class is designed to introduce the builder to basic sheet metal techniques as well as to give confidence to a prospective builder/buyer. The resulting quality and simplicity of the rudder helped to "ice" my decision to choose this kit over several I had been considering.

Since then, I have completed the horizontal stabilizer, the elevator and the right flaperon. (see attached photos) The right wing has just passed Chuck's inspection and is ready for the top skin to be riveted in place. The left wing's skeleton is done, but I won't go any further on that until the right wing is completed: slat, flaperon, wingtip and wing root. The slat jig is now done and the formers were made from a template cut on a CNC machine (overkill due to a zealous son-in-law) The tanks are in and plumbed, the wiring is in and the strobe power supply is mounted. I'm content to work on it as I am able since I still have a full-time job and I travel on business 70 days per year.

The Ch 701 is an all-metal, two-place STOL which claims a takeoff roll of 90-150 feet, depending on runway composition and whether or not a passenger is on board. I had the chance to fly it in Missouri, and it really jumps off the ground and gives the sensation of an elevator. That's particularly appealing to me after flying in and out of 1400-1700 foot strips in Pennsylvania with trees on one end. (Aliquippa-Hopewell, Monroeville, etc.)

The wingspan is 27 feet and at 1100 pounds gross, it is in the LSA category. Its normal range is 400 miles, and it is normally equipped with two ten gallon tanks. I opted for the aux. tanks for an additional twenty gallons, extending the range to somewhere in Georgia. The visibility is great with plexi-glass bubble doors and cabin ceiling.

It will be powered by the 100HP Rotax 912S, and for the many of you who have asked, it will be done whenever it's done.

Bob Tedesco, (old B-47 crew chief )



Bob Tedesco with his horizontal tail , rudder and wing skeleton.

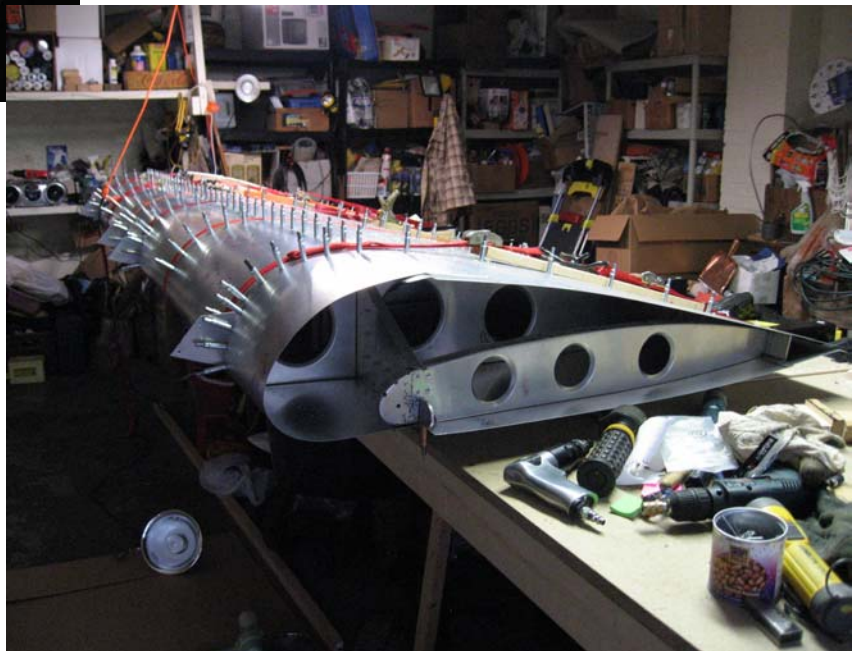


Right wing fuel tank in place, and the lower skin supported with straps.



Right wing upper skin ready for rivets.

Zenith CH 701





*Promoting Aviation thru Safety and Education*

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### **Calendar of Events**

Drag race dates

*Saturdays*

June 09

July 07

August 25

Sept08

Oct 06

EAA Chapter 857 Pancake Breakfast Dates

Breakfast

9am till 1pm

Young Eagles

10am till 1pm

May 20

Sunday

August 05

Sunday

September 16

Sunday

#### **FOR SALE**

Dan Hood has 25 years of FLYING magazines that he is looking to get rid of.

Contact Dan [ARCHER90M@COMCAST.NET](mailto:ARCHER90M@COMCAST.NET)

#### **50/50 Raffle Winner**

2007

January Lynn Severns

February Bob Winkle