



# Chapter 506 Flight Briefing

Volume 13, Issue 12

December 2007



## Mark Your Calendars!

**EAA Chapter 506**

**December 8, 2007**

**Meeting Agenda:**

6:00 pm – Social

6:30 pm – Buffet

**Location:**

EAA 506 Clubhouse

**Holiday Crew:**

Jack & Helen Schultz

**Presenter:**

None

## From the Tower:

By Art Armani

### “Viva La Revolution!”

The changing of the guard is complete. The November elections have given us a new slate of officers and volunteers for 2008. They will take command at the January 2008 meeting.

EAA Chapter 506 President is Joe Mancusi.

EAA Chapter 506 Secretary is Gary Winter.

EAA Chapter 506 Treasurer is Wayne Milbauer.

The following positions are filled with volunteers and we are gratefully for their participation:

Facilities Manager:	Mike Maltby
Newsletter Editor:	Ken Arnold
Young Eagles Coordinator:	Art Armani
Project Facilitator:	Jack Schultz
Librarian:	Bob Scott
Technical Coordinator:	Bob Scott
Flight Advisor:	Joe Mancusi

## December Program

The Holiday party of the EAA Chapter 506 will be held on the evening of Saturday, December 8, 2007 at the clubhouse. Doors will open for social interaction at 6:00 pm. A Holiday buffet will be served at 6:30 pm.

Helen and Jack Schultz will provide roast turkey and baked ham as the main courses. Each attending family is asked to bring a salad, vegetable or dessert for at least 8 people.

After the buffet there will be the **optional** traditional gift exchange for those that want to participate. The value of the gift should not exceed \$15. It needs to be labeled for either a man or woman. No cross giving is allowed. If you are a guy, bring a guy gift. If you are a woman, bring a gift for a female person. When you arrived at the clubhouse, exchange your gift for a ticket for the drawing after the buffet.

## **Chapter 506 SitRep:**

### **November Meeting Minutes**

By **Jack Schultz**

#### The Breakfast Report:

Thanks to Cynthia and Norman Smit for a delicious breakfast egg casserole (sausage and vegetarian) with Liptor coding. Cinnamon triangles and strawberry topping accompanied the casseroles.

#### Meeting Start:

Bill McKrell filling in for Art Armani opened the meeting at 9:00 am.

#### Treasurer's Report:

Bill reported that the checkbook has \$1,559.39 in the account. All bills are paid. Dues for 2008 are due by the end of December 2007. They remain at \$24.00 per year. Please make the check out to EAA Chapter 506 and return the checks with your updated member form to Jack Schultz.

#### Old Business:

Chapter 506 will host a 16 hour course for sixteen people who want to be certified to conduct annual condition inspections on S-LSA aircraft. Chapter 506 will provide the clubhouse and a hanger for the Rainbow Aviation course. The price for getting the certification will be \$425 with a \$50 discount for any Chapter 506 members that enroll. A real bargain when compared to A&P charges for an annual on your S-LSA.

Ken Dunaway is heading up this project. He wants to make sure that people understand that this course will certify them to do the annual inspections on E-SLA airplanes that they own. By November 15, a list of interested people has to be given to Rainbow Aviation. Rainbow will contact them for final registration after that.

The tentative dates for the class are March 22-23 and March 29-30. Get your name, address, phone number and email address to Ken as soon as possible.

Ken will be doing a presentation on this topic at the January 2008 meeting.

#### New Business:

Nominations were opened for the elected positions for officers for 2008. After discussion about the qualifications and duties of the officers, a motion was made, seconded and passed to close the nomination list.

By voice vote, the following officers were elected for 2008.

Chapter president is Joe Mancusi.  
Chapter secretary is Gary Winter.  
Chapter treasurer is Wayne Milbauer.

Volunteers were accepted for open positions. See the President's Paragraph for a list of the volunteers.

#### Adjournment:

Upon a motion to adjourn, the meeting ended at 9:30 am.

### **Post Flight Debriefing:**

There was no formal program presented during the November meeting. Informal discussions were held by the members on a variety of topics. It was suggested that open meetings with roundtable discussions be available during the coming year on an occasional basis.

### **Remember No News is No News**

#### **Send Something to the Editor**

Ken Arnold will be very appreciative if you begin sending him articles for publication in 2008. It will make his job much easier.

## COLD WEATHER INFLIGHT HAZARDS AND TIPS

By: Technical Counselor Dave VanDenburg  
EAA Chapter 439 (Michigan)

This month I would like to discuss cold weather operations by discussing some in-flight hazards and tips applicable in the winter months.

Probably the first in-flight hazard that comes to mind when we think about winter is icing. I have flown combat aircraft in a lot of areas of the world, and short of actual combat, only two things scare me in an aircraft. One is thunderstorms (which we don't see much of in the winter) and icing, which we do. If you see ice build up on your windshield or wings, change altitude or find clear air quickly. Don't be afraid to use the "E" word (emergency) to get whatever help is available from ARTCC.

If you experience a reduction in RPM (fixed pitch prop) or a reduction in manifold pressure (constant speed prop) suspect induction system icing. This could be carb ice or impact ice on your air filter. If you think you are experiencing induction system icing, apply full carb heat or select alternate air. If you have carb ice, the engine will probably run rougher (as the ice melts) but will clear up soon. I do not recommend using partial carb heat unless you have a carb air temp gauge. Partial heat may increase the carb ice problems.

If you are flying behind a constant speed prop, cycle it every 30 minutes or so to keep warm oil in the dome. A sluggish pitch change mechanism could be slow to react and result in an engine overspeed during a rapid power application. This could be real expensive (and dangerous).

Switch fuel tanks with plenty of fuel remaining in the tank. If you have a frozen valve and cannot select the full tank, you will still have enough fuel to land safely. If you wait until the engine coughs, and then find you cannot move the selector valve, you will probably call yourself a few bad names and join the ranks of "Glider Pilots."

Avoid power off letdowns. A high speed, idle, descent can result in very rapid cooling of your engine (shock cooling) and cracked cylinder heads. Lycoming recommends a maximum temperature change of 50 degrees F per minute. Keep your engine temps up by keeping the engine leaned until you are approaching pattern altitude.

After landing, run your engine at a low power setting for several minutes prior to shut-down. This also promotes slow cooling and will reduce oil cooking if you are turbo supercharged.

Lastly, I highly recommend you carry some form of survival kit. It would really stink to survive an off airport landing and then freeze to death before someone found you. Some of the things I recommend are space blankets, some duct tape, matches, an aluminum cup, knife, freeze dried coffee, tea, signaling mirror (a CD works great) and warm clothing to include a hat and gloves. Also carry a hand held radio.

These have been just a few ideas to consider when flying during the winter months. Lycoming has some cold weather tips in their book "Key Reprints." This book is available free online at [www.lycoming.textron.com](http://www.lycoming.textron.com). Your POH is also a great source of cold weather operating tips.

Winter flying is fun and can be just as safe and enjoyable as summer, if we take a few precautions.

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From: Paul H. Poberezny  
Founder and Chairman of the Board

When I read through the history of your EAA, living every day for half a century plus, I truly know how time flies.

I want to share with you some of the thoughts of our members as they appeared in our *Sport Aviation* magazine back in 1963. The organization of dreamers, homebuilders and fellow aviation supporters building/designing their aircraft under the CAA/FAA 51% rule we worked so diligently for and earned is something to be treasured. One can build his or her airplane for educational and recreational purposes and friends can work with you for their own educational value. Really, we can build one half of it – the other half, such as engines, propellers, wheels, brakes, instruments, radios, items not normally within the capabilities of those who work with hand and mind can be purchased. Now we are faced with a situation of the FAA amateur building program being used for commercial purposes – from building complete aircraft or well over the half mark ... not within the intent of the program given to us by those CAA/FAA folks who believed in us. *Let's hope we don't lose this privilege*

Link to the Article: "Experimental Or Not" by [the late] Joe Kirk, EAA 2023

[http://www.eaa.org/sportaviation/2007/november/1963\\_02\\_kirk.pdf](http://www.eaa.org/sportaviation/2007/november/1963_02_kirk.pdf)

Published in *Sport Aviation* magazine; February 1963

## Pictures from Pope Air Force Base The Final Airshow

By: Jason Leaman

Jason is attending Jim Dukeman's ground school on his way to a pilot's license. He was good enough to give us permission to use his pictures.



Thunderbirds take to the air.

If you are Navy, you can believe the Blue Angels have the prettiest paint scheme. The Thunderbirds do have a sharp image that shows up well at any airshow and excites the eyes and ears of the crowd attending the show.



Thunderbird basic diamond formation.



Thunderbird climb out.



Thunderbird flight of six.



Raw power.



Thunderbird bomb burst.

**EAA Chapter 506 Membership Information Update Sheet**  
**2008 Dues Notice**

Update the membership sheet and mail to Jack Schultz. Enclose a check for \$24 for the 2008 dues. Jack will forward the check to the treasurer. Please try to complete this task by December 31, 2007.

Date:        \_\_\_\_ / \_\_\_\_ / 2007

Name:        \_\_\_\_\_

Address:     \_\_\_\_\_

\_\_\_\_\_

City:         \_\_\_\_\_        State: \_\_\_\_\_        ZipCode: \_\_\_\_\_

EAA Number:        \_\_\_\_\_

Spouse's Name     \_\_\_\_\_

Telephone #:        \_\_\_\_\_

Email Address:     \_\_\_\_\_

Aviation Interests: \_\_\_\_\_

\_\_\_\_\_

Airplane Projects: \_\_\_\_\_

\_\_\_\_\_

Airplanes Owned: \_\_\_\_\_

\_\_\_\_\_

Pilot Certificates and Ratings: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mail this completed update to:

Mr. Jack Schultz  
1512 Ramson Court  
Raleigh, NC 27603

## Flight Crew Schedule – 2007:

### EAA Chapter 506 – Meeting Coordinators for 2007

Mtg	Date	Member	Topic
1	January 13	Art Armani	2007 & Race to Oshkosh
2	February 10	Byron Covey	Stall Speeds
3	March 10	Dr. Nutt	“CSI” – FAA Style
4	April 14	Larry Fink	Takeoffs and Landings
5	May 12	Gary Winter	A Vagabond comes home
6	June 9	Mort Altman	Handling emergencies
7	July 14	Greg Siebert	Aircraft Insurance
8	August 11	Ken Arnold	Building the Zenith CH701.
9	September 8	Art Armani	Young Eagles / JNX open house
10	October 13	Dave Courtney	Paul Forehand – New Planes
11	November 10		
12	December 8		Christmas Dinner Party

If you are a Meeting Coordinator, please send an email to me at [davidcc@mindspring.com](mailto:davidcc@mindspring.com) with your topic so the chart can be updated.

A paragraph or two or three or four about your topic is due three weeks before the meeting so that we can “sell” the meeting to the members.

### EAA Chapter 506 – Breakfast Crews for 2007

Mtg	Date	Crew
1	January 13	Ron & Nancy Normark
2	February 10	Committee fill in
3	March 10	Gabe Condie
4	April 14	Dave & Mary Lynne Courtney
5	May 12	Mort Altman & Wayne Milbauer
6	June 9	Gary & Judy Winter
7	July 14	Larry & Debbie Fink
8	August 11	Joe & Roxanna Mancusi
9	September 8	No scheduled breakfast event.
10	October 13	Ken Dunaway
11	November 10	Norman & Cynthia Smit
12	December 8 pm	EAA 506 (covered dish) Annual Christmas Dinner Party

Helpful hints:

- Plan your breakfast for 30 people.
- Bring your food and receipts.
- Cook and serve / Unpack and serve / Open and serve.
- Clean up and haul trash away.
- Invite helpers.

**EAA Chapter 506 – Meeting Coordinators for 2008**

<b>Mtg</b>	<b>Date</b>	<b>Member</b>	<b>Topic</b>
1	January 12	Ken Dunaway	LSA – Maintenance
2	February 9	Dan Harden	
3	March 8	Byron Covey	
4	April 12	Ken Arnold	Building a CH701
5	May 10		
6	June 14	Jack Schultz	Building
7	July 12		
8	August 9		
9	September 13		
10	October 11		
11	November 8		
12	December 13		Christmas Dinner Party

If you are a Meeting Coordinator, please send an email to me at [davidcc@mindspring.com](mailto:davidcc@mindspring.com) with your topic so the chart can be updated.

A paragraph or two or three or four about your topic is due three weeks before the meeting so that we can “sell” the meeting to the members.

**EAA Chapter 506 – Breakfast Crews for 2008**

<b>Mtg</b>	<b>Date</b>	<b>Crew</b>
1	January 12	Ron & Nancy Normark
2	February 9	Gary & Judy Winter
3	March 8	Byron & Ida May Covey
4	April 12	Helen & Jack Schultz
5	May 10	
6	June 14	
7	July 12	
8	August 9	
9	September 13	
10	October 11	
11	November 8	
12	December 13 pm	EAA 506 (covered dish) Annual Christmas Dinner Party

Helpful hints:

- Plan your breakfast for 30 people.
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- Cook and serve / Unpack and serve / Open and serve.
- Clean up and haul trash away.
- Invite helpers.

# Hangar Bulletin Board:

## EAA Monthly Meetings:

EAA 297	7NC1	First Saturday	9:00 am	Burgaw – Stag Airpark
EAA 1047	W03	First Saturday	8:00 am <sup>1</sup>	Wilson – Wilson Industrial
EAA 506	JNX	Second Saturday	8:30 am	Smithfield – JNX Clubhouse
EAA 879		Second Saturday	10:00 am	Durham – Lake Ridge FBO
EAA 1114	NC81	Third Saturday	8:00 am	Apex – Bobby Cox field

<sup>1</sup> Pancakes at 8:00 am, meeting at 10:00 am.

## Miscellaneous:

### Interesting Web Addresses

Online sectionals                    [www.skyvectors.com](http://www.skyvectors.com)  
Cheap auto gas                        <http://autos.msn.com/everyday/gasstations.aspx?zip=&src=Netx>  
Cheap AV gas                            [www.airnav.com/fuel](http://www.airnav.com/fuel)  
NC Aviation Museum                   [www.ncairmuseum.org](http://www.ncairmuseum.org) (located at the Asheboro Airport)

## Thumbtacked Items:

### Woods Aviation:

Specializing in Poly Fiber Products.  
Available are FAA DAR services, aircraft  
maintenance and fabric aircraft restoration.  
919-581-0640  
919-581-0690  
919-581-0830 (Fax)

### LSA Repairman, Maintenance:

Inspections and repairs for E-SLA & S-SLA  
aircraft are available from Ken Dunaway.  
Ken encourages owners to participate with  
him in the annual process to learn more  
about their aircraft.  
919-266-9396  
[LSArepair@bellsouth.net](mailto:LSArepair@bellsouth.net)

### Looking for a partner:

IFR capable, flying, experimental long ez  
needs a partner to share cost and flying.  
Contact Arthur Armani:  
[akarmani@earthlink.net](mailto:akarmani@earthlink.net) or  
phone: 919 818 5631.

**“Your item goes here.”**

## Chapter 506 Flight Briefing

# EAA Chapter 506:

Clubhouse @ 3149 Swift Creek Road, Smithfield, NC 27577

Visit Chapter 506's Website

<http://www.blueasp.com/506/>

The submission deadline for newsletter articles is generally two weeks before the next meeting. Articles appearing in this Chapter newsletter may be reproduced in full, only if proper credit is given to the author and the Chapter 506 Flight Briefing.

<b>President</b>	<b>Art Armani</b>	<b>919-894-2772</b>
<b>Secretary</b>	Jack Schultz	919-779-0261
<b>Treasurer</b>	Bill McKrell	919-598-9816
<b>Facilities Manager</b>	Dan Harden	919-550-5177
<b>Technical Counselor</b>	Bob Scott	919-359-2865
<b>TC Emeritus</b>	Bob Woods	919-581-0640 or 0690
<b>Flight Advisor</b>	Joe Mancusi	919-661-4130
<b>Newsletter Editor</b>	Dave Courtney	919-656-5891
<b>Librarian</b>	Bob Scott	919-359-2865
<b>Young Eagles Coord.</b>	Art Armani	919-894-2772
<b>Project Facilitator</b>	Jack Schultz	919-779-0261
<b>Webmaster</b>	Jon Hall	jon@blueasp.com

Send Flight 506 news submissions to Dave Courtney, EAA Chapter 506 Newsletter Editor, 102 Parkview Circle, Cary, NC 27511, or by email to [davidcc@mindspring.com](mailto:davidcc@mindspring.com). Please put EAA 506 in the subject line.

EAA Chapter 506 Newsletter  
102 Parkview Circle  
Cary, NC 27511



TO: