



# Smoke Signals

December 2016



## Annual Dinner!

When: Saturday Jan 21st, 2017,  
5:30PM

Location: Chapter 175 House  
9334 Vandenberg Airport Rd,  
Tampa, FL 33610

Agenda:  
Socialize and eat well!

RSVP: Send your name and the  
number attending to  
[EAA48@aol.com](mailto:EAA48@aol.com)

## President's Corner

# Merry Christmas and a Very Happy New Year!

**Jeff Kaloostian**

### FROM THE BACK SEAT

#### Holiday Cubin' Fun

My flying buddy, Ken Gaver, decided to sell his beautiful 1959 American Champion 7EC Champ. What a letdown for me as Ken was looking to replace the 7EC with a Pitts Special and this would mean we would no longer be fly formation as the Pitts' approach

speed is well in excess of my 65 HP Champ's stately cruise speed. As I helped Ken deliver the Champ to its new owner in Venus FL, I realized this formation flight would be our last...at least for a while. Last week as I prepped 4328E for a flight, Ken shows at the airport announcing he had purchased a new airplane and asked if I would like to see it. As the hangar door rolled open, what should I see but bright yellow short wing Cub staring back at me. Ken remarked that he really didn't need a Pitts Special at his advanced age and a 65 HP clipped wing Piper Cub would serve him fine. For the rest of the day we tested the formation qualities of the Cub and Ken informs clipped J3 has better control response than the Champ...I will differ of course. We were able to fly all of our formation maneuvers without difficulty and at a lower fuel burn...4 vs 5 gph...a win-win! So Christmas came early for Ken and for me. I wish you all a Cub under your tree for Christmas or at least the resources to aviate in 2017. We are blessed to have the freedom to fly as we do, so take advantage of every opportunity to do so!!

Now this isn't the end of my article as I must ask you to sign up for the Chapter Awards Banquet which will be held at the Club House on 21 January 2017 from 5:30 – 8:00 PM. Price is just \$10 per person for the best steak and lobster you can have. Members are asked to bring a favorite side dish—an adult beverage of their choice is optional...just bring a little extra so we can share. Bring your family and friends...trust me it is a good time for all. I need to know if you are attending by 17 January 2017 so our chef,

Mike Tippin, can purchase the food. Send your name and the number attending to EAA48@aol.com.

Now here is a peek at the speaker topics for 2017; the future of the Reno Air Races, flying the Scottish Aviation Bulldog, flying experiences with RADM Jackson, converting automotive engines for aircraft use, ICON A5 aircraft tour (this will be in Oct 17), flying for the National Oceanic and Atmospheric Administration, flying aerobatics, and how to start a flying club. This will be another banner year of speakers and topics so don't miss a single meeting.

Finally, Bill Johnston is looking at starting a flying club and offering his Piper Cherokee 140 as the aircraft. His Cherokee will need our help to get through annual, so if you are willing please volunteer for this effort. Let us know if you would like to help by sending an email to EAA48@aol.com. We will assemble the team after the holidays. Thank you in advance.

That is it for now. I wish all of you and your families a glorious and safe Holiday Season and don't forget to....

...keep 'em flying.

dd

## **EAA 175 CHAPTER MEETING MINUTES**

DATE: November 19, 2016

LOCATION: Chapter House, Tampa Executive Airport (KVDF)

ATTENDANCE: 14

### **Business Meeting**

The chapter meeting was called to order at 0900 by Jeff Kaloostian. Thanks and recognition was given to Ralph LaBlanc, Alan Chester and Steve Reisser for assisting in breakfast this morning.

### **Old Business**

#### *Meeting Minutes and Treasurer's Report:*

The September meeting minutes were posted to the Chapter website and sent as the Smoke Signals newsletter to the membership via email. A motion was made and seconded to accept the meeting minutes and verbal Treasurer's report given by Jeff. Without objection the motion was accepted as published.

### **New Business**

Our annual dinner will be held at the chapter house at 1700 on January 21, 2017 instead of the 28<sup>th</sup>. No speaker is scheduled as comradery is the main activity at this event. Mike Tippin will be preparing a steak and lobster dinner for \$10 per person. Please RSVP to Denny ( eaa48@aol.com ) By December 31<sup>st</sup> and pay at the dinner.

**THERE WILL BE NO FORMAL EAA MEETING FOR DECEMBER.**

We need volunteers to help with leadership in 2017-2018. All officer positions need to be filled as well as a Young Eagles Coordinator and a Newsletter Editor.

For those of you that are in a "Back to the Future" fans, you might want to go on the internet to see the new "FLYBOARD", turbine driven hoverboard that can reach heights of 12 meters

(36 ft.). See Youtube.com <https://youtube.com/watch?v=wObBrd9wB6M>. They can be purchased at <http://www.zaoata-racing.com/flyboard-en/>

A motion was made, seconded and accepted without objection to close the business portion of this meeting at 0925.

### **Chapter Program**

Our program today was presented by Denny D'Angelo on Formation Flying. *This presentation is based on Two-Ship Close Formation and does not take the place of training from a competent and qualified instructor who is certified to teach formation flight. The intent of this briefing is to familiarize the audience with formation flight in light aircraft and to wet your appetite for this form of aerial activity.* The sources for this briefing on formation flight can be found at the following websites.

- SCAR-<http://www.sportclass.com>
- Formation and Safety Training—[www.flyfast.org](http://www.flyfast.org)
- Formation Flight Incorporated--[www.ffi.aero](http://www.ffi.aero)

**Why do formation flying? It is Challenging and Rewarding way to fly, Based on Trust and Confidence, Requires Discipline and Focus, and Improves overall flying abilities.**

#### TRAINING AND INFORMATION

- Formation and Safety Training—[www.flyfast.org](http://www.flyfast.org)
- Formation Flight Incorporated--[www.ffi.aero](http://www.ffi.aero)
- SCAR-<http://www.sportclass.com>

Denny took questions from the membership. Our program ended at 1015.

Respectfully Submitted,

Steve Reisser, Secretary, EAA 175

## SAFETY TIP OF THE MONTH

Check a lot of neat safety here:

<http://www.aviationsafetymagazine.com/>

### INTERESTING NOTAMS

1. Our own VP hard at work! You could not have received a better formation brief...but do your homework before going out to try it!



2. A group of vintage airplanes recreating a historic transcontinental route resumed its journey this week after being detained in Ethiopia and accounting for all its pilots. The participants in the Vintage Air Rally include about a dozen open-cockpit airplanes from around the world along with a few modern-era planes and two helicopters flying as support crews. The pilots and passengers were detained at the Gambela airport after arriving from Sudan, Reuters reported Thursday. Ethiopian aviation authorities said they kept the group of 47 people from checking into their hotel on Wednesday because they didn't have advance permission to land in Gambela, according to the report. But on Thursday, rally officials said everything was ironed out and the planes arrived in Kenya on Friday, the BBC reported. In the meantime, one of the U.K. pilots, 72-year-old Maurice Kirk, reached Gambela safely after he and his Piper Cub could not be located en route from Sudan.

The air rally, sanctioned by the Fédération Aéronautique Internationale, has teams competing for prizes based on pilot skills flying the 8,000-mile route. The airplanes launched from the Greek island of

Crete on Nov. 13 and are scheduled to reach Cape Town in mid-December. The route follows the 1930s-era route flown by Imperial Airways, one of the early airlines that eventually led to the formation of British



Airways. Participating aircraft include Travel Airs, Tiger Moths and a Bu 131 Bucker Jungmann.

3. An Amazon drone has made the online retailer's first official customer delivery, dropping popcorn and a Fire TV media player at a British resident's door. "First-ever #AmazonPrimeAir customer delivery is in the books," Amazon's Jeff Bezos tweeted Wednesday. The flight marks the launch of Prime Air, Amazon's drone-to-door operation that has been in the works for several years. The company had ramped up outdoor flight testing this year at an undisclosed rural location in the U.K., where it had fewer restrictions on drone flying compared to the U.S. The first shipment by drone, made earlier this month to an anonymous customer, took 13 minutes to get a 4.7-pound package to a rural home

near Cambridge, according to a Wall Street Journal report.

Prime Air will begin with a couple of additional customers who live a few miles of an Amazon fulfillment center in the Cambridge area, The New York Times reported. The flights must take place in daylight hours in good weather, and the package weight limit is five pounds – which Amazon says will cover 87 percent of customer orders, according to the Journal report. The announcement comes about a year after Amazon revealed a 6-foot prototype drone and announced that retail deliveries are in "the not-too-distant future" as it perfects sense-and-avoid technology to allow the aircraft to fly out of operators' line of sight and remain below 400 feet. The delivery this month puts Amazon ahead of companies such as Google and Flirtey, which have been testing package-carrying drones at designated research sites in the U.S., practicing tethered drops of items such as medicine and food from hovering drones.

#### 4. **From EAA...New EAA Member Benefit: Free SolidWorks**

By Cory Puuri, EAA Membership Development Manager, Lifetime 1108982

September 2016 - If you haven't heard the news, yet, SolidWorks is now available to EAA members as a free member benefit.

Recently announced at EAA AirVenture Oshkosh, the EAA Maker Edition of SolidWorks provides EAAers the ability to create fully detailed parts, assemblies, and drawings; sheet metal patterns; and welded assemblies. It includes wizards to check for interference, you can perform basic stress and flow analysis.

What's in it for EAA Chapters?

Your chapter can embrace this new benefit and use it to support your member's design and build projects.

SolidWorks can also be a powerful tool for recruiting new members to your chapter. Online forums around the internet from 3D Printing Central to Maker Spaces have read the news and are posting comments like: "SolidWorks for \$40 (the cost of an EAA membership)? Sign e up!!!"

Here are some tactics you can use to recruit such members:

Exhibit at a Maker Faire—EAA is working on support tools to help your chapter with this. Please contact the chapter's office in the fall to find out more.

Conduct SolidWorks Outreach Activities—Visit your local Maker Space, technical college, high school, etc. and

post invites to chapter events in which you'll be conducting building or design activities. Get new people involved with your chapter!

Offer SolidWorks Training Seminars—You may not have enough computers to conduct a workshop, but consider hosting a training seminar, and/or invite trainees to bring their laptop computers. You may even want to look up your local SolidWorks Reseller and invite them to participate. If your space is big enough, invite companies that offer related products and services (e.g., hobby stores, service providers from the SolidWorks Manufacturing Network) to exhibit at your event (could be a fundraiser!).

Network with SolidWorks User Groups—EAA has included a link on the SolidWorks Resource Center where you can look-up SolidWorks User Groups. Reach out to their contacts and offer to host their events, or invite them to conduct training sessions for your chapter members.

Add an Activity Station at Your Young Eagles Rally—You're probably already using model aircraft flying and building, pedal planes, etc. to entertain the kids while they wait for their flight. Consider adding a display for parents that explains the value of EAA membership and include a SolidWorks demo video or a computer running SolidWorks attached to a 3D printer.

Widespread Popularity

Cirrus, Sonex, and Zenith are among the many aircraft designers using SolidWorks. Zenith has provided a model of its 750 Cruzer for download by EAA members on the EAA Forums. Members can import the sample model into SolidWorks and play “what-if” making modifications to the design.

For more information, please visit [www.EAA.org/SolidWorks](http://www.EAA.org/SolidWorks).

The EAA Maker Edition license does not include technical support services available with the commercial version; however, EAA members will receive guest membership to **MySolidWorks**, which includes introductory lessons, access to the SolidWorks Manufacturing Network, SolidWorks Forums and millions of components.

EAA has also recruited nearly two dozen SolidWorks Support Volunteers to answer questions on the EAA Forums.

SolidWorks Student Design Kit—EAA Maker Edition is for personal and educational purposes, but EAA members who desire to commercialize their designs can work with GSC to convert their SolidWorks license.

No matter how you leverage this new member benefit, please let us know how it went by posting a story and pictures in the SolidWorks section on the EAA Forums.

And if you have a particularly cool story to share, please send it to Cory Puuri so he can share it with other members!

## CHAPTER 175 PRESENT AIRCRAFT BUILDERS

1. Jack Poff  
217-821-2868  
Vans RV-9A



(Example only)

2. Mike Tippin  
813-404-0075  
Van RV-10



(Example only)

3. Ronald LeBlanc  
(813) 957-4193  
Zenith CH 750, Cruzer builder



(Example only)

4. Don Hughes; (813)598-2030; Midget Mustang



(Example only)

\*\* If I missed you, please email me with your information...one good picture is worth a thousand words!

5. **Rich Ifeld; (813) 645-3786;**  
Tripacer@ Manatee, Sail project,  
motor project, osprey project

Tripacer:



## Sailboat



## Motor Project:



## Osprey:



Continuing from Rich.... below:

a. Here's what is sorted so far:

- i. AN Bolts: 3-4, 4-5, 5-10, 6-20 thru 3-11, 4-56, 5-60, 6-60

- ii. no fewer than 8 of each when considered in groups of 3/16, ie 4-16, 4-17, 4-18 is a group.
- iii. AN stop nuts, nylon inserts, AN stop nuts, Metal, AN castle nuts High and low profile, and AN plain nuts in all sizes
- iv. AN machine bolts, 8, & 10 - 32 lengths 4 through about 60
- v. AN machine nuts nylock mostly
- vi. A good variety of plain and lock washers
- vii. [if you need a few nuts, bolts, washers it's probably available -- that's the majority of the collection]
- viii. A lot of standard rivets, and blind rivet nuts and many sizes.
- ix. Some Cherry and blind rivets (not pop rivets)
- x. Several specialty bolts such as hex head or close tolerance
- xi. An assortment of camlocks and camlock parts.
- xii. Some pitot static fittings

- xiii. A Huge assortment of ear nuts
  - xiv. An assortment of small 12 V lamps
  - xv. An assortment of flying wire hardware
  - xvi. A large variety of specialty fittings like blind latches, post lights, etc.
  - xvii. Assorted clecos and more
  - xviii. There is a lot of stuff I haven't even gone through it yet. As I mentioned, I had a similar collection of my own and
- b. So here's the deal; My position is that over the years I probably spent 3-4 hundred dollars on assortments and parts bags at flymarkets, and the donors to EAA have done at least that, plus tools. I've used parts over the years that would have been several thousand dollars at retail. And I've used a fair number of parts in the shop just because I had them. I see no reason the chapters would want to try to limit folks to using the parts on an airplane. It's not a sin to put an AN part on a lawn mower.
- i. **I will take email requests from members for parts for their projects or**
- airplanes. I prefer email to phone, but if you are in the middle of something and need a part now, I won't hang up.**
- c. Visitors are welcome at the shop, of course. And the parts are much better organized for browsing that they were before.

## **CHAPTER 175 OFFICERS**

### **President**

Jeff Kaloostian

813-770-9372

jkaloostia@earthlink.net

### **Vice President**

Denny D'Angelo

813-390-2106

Eaa48@aol.com

### **Treasurer**

Dave Presnell

(813) 690-0591

dave.presnell@gmail.com

### **Chairman of Public Relations**

Denny D'Angelo

813-390-2106

ea48@aol.com

### **Secretary**

Steve Reisser

813-482-1308

stevereisser@yahoo.com

### **Membership**

Mike Tippin

(813) 404-0075

n634jt@gmail.com

### **Chairman of Sun'n Fun Kitchen**

Rich Denton

813-785-6919

STUNTRV8@aol.com

**Newsletter Editor:** Your Name?!

## **BOARD MEMBERS**

Jeff Kaloostian

Denny D'Angelo

Mike Tippin

Steve Reisser

Dave Presnell

Bud Yerly

Don Miller

Rich Ilfeld