



# The Flyer



Volume 46, Issue 4

Experimental Aircraft Association Chapter 44

April 1, 2014

## APRIL GUEST SPEAKER TO TALK ABOUT sUAV'S

by Jeff Peters

Our speaker for the April meeting is Brian Pitre who will talk about the emerging small Unmanned Aerial Vehicles (sUAV) Industry. Brian is the co-founder of SkyOp LLC located in Canandaigua.

His company has three small camera equipped sUAVs and intends to provide a variety of aerial video and photography services to clients once commercial flight becomes lawful.

He intends to bring one or more of his sUAVs to the meeting to show the audience. Brian, who has had a life-long career in the computer industry, has conducted a significant amount of research into this new technology and the wide array of potential commercial applications, and is one of the local area's most pro-active supporters.

Join us for an interesting presentation. Gail and Jerry Isaac are providing a chili dinner. The Chapter will bring the Beeno... ;-)

## LAST MONTH'S GUEST SPEAKER

EAA Chapter 44 welcomed Greece Town Historian Bill Sauers to our March General Meeting. He spoke to us in depth about Rochester aviation history back to the Wright Brothers.

Bill outlined the many aviation firsts that occurred here, including appropriately, the first night aerial photograph of a city. We had several airplane companies based here, The Wrights, Lincoln Beachey and Charles Lindbergh all landed at Brittan Field, then Municipal Field, which became the Rochester airport.

Many audience shared with Bill their memories of local airports that are no more, like Hylan Field which became Market Place Mall.

**Thank you Bill for a fascinating look back at our aviation past.**

## MIKES MESSAGE OF THE MONTH

by Mike Clayton

I thought it would be appropriate to remind our pilots that we need to be particularly conscious of **safety issues** with the advent of the new flying season. The FAA publishes a regular safety briefing for non-commercial GA pilots, and the March/April issue is out at [http://www.faa.gov/news/safety\\_briefing/2014/media/MarApr2014.pdf](http://www.faa.gov/news/safety_briefing/2014/media/MarApr2014.pdf). This is a pretty good way to start the flying season. I would also remind everyone to go the the EAA website and find section that discusses the potential changes to the third class medical requirement for private pilots: [www.macsblog.com/2014/04/what-will-the-new-third-class-medical-rules-be/](http://www.macsblog.com/2014/04/what-will-the-new-third-class-medical-rules-be/). From all I can tell, it looks like the FAA is going to move forward, before Congress decides to pass legislation containing the proposed rule. The link will take you to an interesting column, speculating on what the final rule will look like.

We have made a lot of **progress** on our shop area **in the SAC**, and finishing our third, handicap-friendly bathroom. Drywall is going up (finally!) and we are starting to get things organized. Check it out as you come into the building. All are invited to attend our building work sessions at the SAC on the second and fourth Saturdays of the month. We have been using up leftovers, and so have been having free lunches! (Pizza and Ham sandwiches) Lots of fun, relaxing, and something for everyone to do, regardless of your level of abilities. Stop by even if you just want to see what is going on.

We will be going to Steve Ziegelstein's to clean out the last of the Chapter stuff that has been stored there since we moved from our old building. We will have an **"all hands on deck" Saturday** to help the process along. An email will be coming your way soon to announce the day and time. Help will be needed and appreciated from all.

**Homebuilding sessions** continue. On Wednesday, April 2 at my place, we had six people present, with Earl Luce being the presider and teacher. We finished work on the vertical stabilizer and rudder mods for my Kitfox II, and learned a great deal from Earl about Chapter history, welding, and working with 4130 tubing. We had fun, and continued building a

Continued on next page.

## Mike's Message con't

community of people interested in homebuilding. Below is a picture of the work we completed on my Kitfox. Earl made the suggestion for the needed changes and then instructed us in how to do the job, as he used the trusty angle grinder and welding torch to complete the job. The mods were something that should improve the flying qualities of the aircraft, with no penalty. Below are some pictures of the modified tail.



The tubes and joints that have a dark color

are the ones we worked on. Next is the picture showing the original tail:



The difference is that the modified tail has much more vertical stabilizer area (about 250 square inches), and almost the same rudder area as the original. There are some good reason for making this mod, and this will update the aircraft to be more consistent with the later models of Kitfox.

Coming up within the next few months will be **Young Eagles' rallies** and rumor has it that Tom Bowdler is planning to have another **Boy Scout Aerocamp**. **We will also have the opportunity to work with Chapter 46** on their Young Eagles rallies during the rest of this year. Our first Young Eagles Rally is scheduled for May 17th, 9-12 AM. Elise Isler is coordinating and look for more communication from her. I know she would appreciate help in putting the event on. Feel free to stop by the SAC, and see the kids and parents have a great time, and have a hot dog on the Chapter!

Mike Kuyt is continuing to work on plans for **flyouts**, and he should have the first event planned for early this spring/summer. Stay tuned! This will be a potentially good opportunity for you non-pilots and pilots without an aircraft to have some fun in GA light planes with a great bunch of people.

**It would be very much appreciated if people could stay a few minutes after the end of the formal meeting to help with clean up.** We have a few people who always clean up after us, and they need some support and help to get the job done. It won't take long, and it is only fair to help out a little. **Another reminder is to look over the list of meetings that need someone to bring the main course for the meal.** If you can, please pick one and sign up. Otherwise, it will be pizza and wings...

Let's all have fun in the coming months with people and airplanes!

## OLD GOAT DROPPINGS

by Art Thieme

Aviation aficionados will recognize the name Szekely. He designed and built a three-cylinder radial engine in the early 1930's. It was rated at 40 HP at 1800 RPM, and weighed 148 pounds. It would probably make a good ultra-light engine today. He also designed a 5- and 7- cylinder radials but never put them into production. While he may have been a good engineer, he was a poor businessman, and in 1932 declared bankruptcy. About 200 of the engines were built. I read somewhere that there was a problem with the cylinders departing the crankcase and telling users to wire them down. I think Oshkosh has one or two on Display.

How to pronounce Szekely? Some pronounced it Zee-kee, some Zek-ley, others Zay-kay. Skyways magazine, July 1993, quoted Peter Bowers, who said Szekely was his uncle who pronounced it Say-kai. And there you have it. (*Art, is this an April fool's joke? I Googled him and couldn't find him. Must mean he doesn't exist if he's not on the Interweb. Hence the question. ;-)* Ed.)

Sad News- Kermit Weeks announced that Fantasy of Flight in Polk City FL will close on April 6. While only 20 miles from Disney World, the display was not a tourist attraction. It was losing money and could not continue. While closed to the public it would remain open for corporate and private gatherings, such as a Chapter 44 aviation museum trip. I visited the grounds twice and was impressed with the interactive production and display of aircraft. There were a number of simulators of fighters, but I was too cheap to use one. Weeks has a great collection of aircraft. I visited his display in Miami before a hurricane destroyed many of them. Weeks plans to re-engineer the museum into a tourist attraction. No details but I suspect it will have hotels and rides of some kind.

How can a company like Cessna have this happen? They have announced the end of the Skycatcher program. When it was shown for the first time at Oshkosh the price was under \$100,000. That last price was \$149,000. About 200 aircraft were sold. Cessna has 80 that they will keep for parts. And to have it built in China!

Technical difficulties. Please stand by. Stand by what?

Old goat, out.

## FIRST YOUNG EAGLE RALLY OF THE SEASON ANNOUNCED

by Elise Isler

We are scheduling our first 2014 Young Eagles Rally Saturday May 17<sup>th</sup> from 9:00 AM – 12:00 PM.

Young Eagle Rallies provide children with the opportunity to experience a FREE flight, one on one with a pilot in a private aircraft. It promotes the joy of general aviation for students and their pilot! Students also receive some background information explaining how science, math, geography, history and engineering are used in flight.

We are seeking VOLUNTEERS! Volunteers need to report to the SAC at 8:00 AM for briefings and prep before students arrive. Coffee/tea and donuts are provided for volunteers.

Any EAA 44 member interested in helping **on the ground** – please contact me: [singholley@aol.com](mailto:singholley@aol.com). We always want to get our members involved! There is a lot you can do to help out and enjoy the excitement even if you are not a pilot!

Any **pilot** interested in flying students must meet the following requirements:

Appropriate Airmen's Certificate (Sport Pilot or higher)

Current Medical

EAA National Member

90-day currency in aircraft used

Current Flight Review

Insured

If you meet the requirements and are willing and available to fly May 17<sup>th</sup>, please contact me ~ if you have not already done so! Also, Phillips 66 supports Young Eagles through their Avgas Rebate program. For information go to: [youngeagles.org/volunteers](http://youngeagles.org/volunteers).

We also can use help advertising the event. I will have fliers and business cards available at the April meeting. We encourage families to pre-register students at: [flyyoungeagles44@gmail.com](mailto:flyyoungeagles44@gmail.com) to be sure they are assigned a flight. Any student who has not experienced a Young Eagle flight will be scheduled before students who have flown before.

SPREAD THE WORD!!!! – As always, thank you for your help.

Elise

## CHAPTER MEMBER DAVE HURD WINS HYBRID TRIP TO THE ISS

The Chapter's own Major Tom, former Old Money Bags Dave Hurd, has received a unique trip from an anonymous NYS Powerball winner to the International Space Station aboard the still secret, until now, SpaceShip Three!



VirginGalactic image

In a joint press release from major players VirginGalactic, NASA, and EAA Chapter 44, legendary aircraft designer Burt Rutan announced that he has been working on this top-secret project since his announced "retirement" several years ago. "That was just a red herring to give me time and space (pun intended) to step away from SpaceShipTwo and work on this" Burt said at the press conference held at EAA 44's Sport Aviation Center in Brockport NY.

Just as Burt had designed a novel re-entry method with his "shuttlecock design" where SS2 reconfigures itself to allow a gentler and less fiery return, he has developed a unique docking system. "I had to come up with an efficient, light-weight and low-cost system that could be used for the unique docking needs of SS3 compared to Space Shuttles." Burt's design is based on the kid's toy Chinese Finger Trap.

Burt described how as SS3 approaches the ISS it will release the CFT from its nose aimed at its dock, called "the Finger," that was secretly flown to the ISS and attached at the last Space Shuttle flight. When a connection is made, SS3 will fire reverse jets to try to get out of the CFT. Of course it can't, and it is successfully docked. To release, forward jets will push SS3 into the trap, and when the CFT is relaxed a plunger will extend from the nose and push the ISS away from SS3.



Freecodesource.com image

The selection of Dave Hurd surprised many, especially Dave. "This is so unexpected, I just can't imagine how I was chosen for this special honor," said Dave. (*We can't either! Bah Humbug Ed.*)



N. Isler image

VirginGalactic head PooBah Richard Branson said that Dave was randomly chosen from all people who had had their pictures taken in a spacesuit at any US aviation museum as Dave did at the Air Force Museum on an EAA 44 Museum trip.

Another benefit of Chapter 44 membership! Spaceflight to the stars!!

## PTEROSAURS: FLIGHT IN THE AGE OF DINOSAURS

Images & text from <<http://www.amnh.org/exhibitions/current-exhibitions/pterosaurs-flight-in-the-age-of-dinosaurs/about-the-exhibition>>

The American Museum of Natural History in New York City opened an exhibit on the largest flying animals that ever lived.



*Dawndraco kanzai*—“Kansas dragon of the dawn”—is one of the most complete large pterosaurs discovered so far. © AMNH 2014

Pterosaurs are neither birds nor bats, but flying reptiles that lived from about 220 and 66 million years ago. Though close cousins of dinosaurs, they evolved on a separate branch of a reptile family tree. We find out about the pterosaurs' incredible diversity, why pterosaurs left so few fossils compared to dinosaurs, and how scientists glean clues about these long-gone species from fossil remains.

For more than 100 million years in the history of life on Earth, the only animals that truly flew—not just glided—were insects. Then, around the time that dinosaurs arose, the first pterosaurs appeared in the sky. A new era began: the age of flying reptiles.

On view until Jan 4, 2015



*Jeholopterus ningchengensis*, a Jurassic Period–pterosaur, probably chased insects like a bat. © AMNH 2014

In this section, discover how pterosaurs' wings were unique and why their bones were uniquely suited to flying—but made poor materials for fossilization. Try your hand at understanding what made these animals so aerodynamic, and learn to fly like a pterosaur with this section's immersive interactives.

While you're in New York head over to the **Intrepid Air, Sea, and Space Museum** for an exhibit on

## THE WORLD OF CAMOFLAGE

Why is a squirrel gray? Why do some bugs look like sticks? The answer to these questions is, camouflage. For many animals, being able to hide in plain sight or look like something entirely different is a necessity of survival. Learning from the animal world, humans have employed camouflage in hunting and warfare. This new temporary exhibition will explain the relationship between the natural world and that of humans. On view until Aug 24, 2014.

If you don't like camo, they have a few airplanes, a Space Shuttle, an SR-71, a destroyer and a submarine for you to visit.

(Text and more info available from <[IntrepidMuseum.org](http://IntrepidMuseum.org)>.)

**EAA Chapter 44  
Board of Directors' Meeting  
11 Mar 2014**

**Board Members Present:** Clayton, Williams, Byers, Peters, Nelligan-Barrett, North, Hazen, Hurd, and Isler

**Other Members Present:** Greeno, Arganbright, and Isler (Elise).

**Reports:**

- President (Mike Clayton):
  - No specific items.
- Vice President (Norm Isler):
  - Although the Town of Sweden raised the assessment on the SAC, there is no impact to the Chapter since we are a tax-free organization.
  - Working to coordinate cleanout of Chapter material stored in Steve Zigelstein's "Doghouse" will begin sometime in the near future.
  - Steve Ziegglestein is not interested in Plane Train, the Chapter will make one last offer to the members then it'll get recycled.
  - Norm received a quote from a couple of local heating contractors for furnace inspection. Will wait until fall heating season to get set up.
- Treasurer (Elise Isler):
  - Report read and approved

**Business:**

- Building Committee (Kevin Arganbright, et. al.):
  - Procurement of a sink and toilet for the ADA restroom in progress.
  - Drywall is going up on the east wall of the shop area along with additional outlets.
  - A projection screen was installed in pilot's lounge.
  - The backflow preventer inspection is complete.

- Homebuilder's Council (Darryl Byers, et. al.)
  - Steady as we go, looking for additional programs to demonstrate other skills.
  - Norm asked Dave Hurd if it would be possible to develop a composite practice kit for a homebuilder program.
- Capital Campaign (Larry Greeno):
  - Larry continues to work with Rob Williams on fundraising strategies.
- Oshkosh Airlift (Steve North):
  - Promotional show at last membership meeting, deposit in, brochure updated, looking for customers.
- Old Business:
  - Dave is working on setting up a "Pinch Hitter" course for this coming May.
  - Norm encouraged the board members to forward ideas for the 2014 Chapter calendar to Phil Hazen.
  - Mike Clayton made contact with the Spencerport schools to see if they are interested in promoting another aviation education program. Mike noted that the program might need a little revision to make it more meaningful. Mike also raised the question about extending the program to other schools. *No response yet.*
- New Business:
  - Will add highlights from General Membership meeting to BOD meeting minutes.
  - Rob Williams asked if there was going to be an Aerocamp this year with the thought that the Chapter may sponsor one of the Aerocamp participants for the Western NY Aerocamp

# CONTACT EAA 44



The Flyer is published monthly. For an electronic copy, go to <eaa44.org> and enter your email address where requested. For a mailed hard copy (\$10), contact Treasurer Elise Isler. For membership info, contact Treasurer Elise Isler.

Stories and photos by the editor unless otherwise noted. Article deadline is 1<sup>st</sup> Tuesday of the month. Send submissions to Editor Bob Nelligan-Barrett.

### OFFICERS

President: Mike Clayton '15:  
585-352-1763  
[mclayton@rochester.rr.com](mailto:mclayton@rochester.rr.com)  
8 Adams Trail  
Spencerport, NY 14559

Vice-President: Norm Isler '15  
585-638-8098  
[normisler@aol.com](mailto:normisler@aol.com)

Secretary: Steve North '14  
585-723-5794  
[snorth59@rochester.rr.com](mailto:snorth59@rochester.rr.com)

Treasurer: Elise Isler  
3631 County Line Rd.  
Brockport, NY 14420  
585-764-9811  
[singholley@aol.com](mailto:singholley@aol.com)

### DIRECTORS

Darryl Byers '15  
585-659-8150  
[dbyers9@rochester.rr.com](mailto:dbyers9@rochester.rr.com)

Phil Hazen '15:  
585-227-9811  
[phil1948@frontiernet.net](mailto:phil1948@frontiernet.net)

Dave Hurd '14  
585-226-2402 [dbhurd@att.net](mailto:dbhurd@att.net)

Bob Nelligan-Barrett '15:  
585-754-726  
[trailbossbob@mac.com](mailto:trailbossbob@mac.com)

Jeff Peters '14  
585-233-6880  
[jpeters2@rochester.rr.com](mailto:jpeters2@rochester.rr.com)

Rob Williams '14  
585-737-9435

[rwilli3@rochester.rr.com](mailto:rwilli3@rochester.rr.com)

### BUILDING COMMITTEE

Kevin Arganbright: 585-392-2689  
[jarganbright@itt.com](mailto:jarganbright@itt.com)

### CAPITAL CAMPAIGN

Larry Greeno: 585-730-4934  
[greenol2@yahoo.com](mailto:greenol2@yahoo.com)

### FLIGHT ADVISOR

Jim Martin: 585-368-9333  
[jettester@frontiernet.net](mailto:jettester@frontiernet.net)

### HOMEBUILDERS COUNCIL

Darryl Byers  
585-659-8150  
[dbyers9@rochester.rr.com](mailto:dbyers9@rochester.rr.com)

### LIBRARIAN/NEWSLETTER EDITOR

Bob Nelligan-Barrett: 585-754-7263  
[trailbossbob@icloud.com](mailto:trailbossbob@icloud.com)  
146 Worthington Rd.  
Rochester, NY 14622

### OSHKOSH AIRLIFT

Steve North: 585-723-5794  
[snorth59@rochester.rr.com](mailto:snorth59@rochester.rr.com)

### SPORT AVIATION CENTER CONSTRUCTION MANAGER

Mike Clayton: 585-352-1763  
[mclayton@rochester.rr.com](mailto:mclayton@rochester.rr.com)

### TECHNICAL COUNSELORS

Earl Luce: 585-637-5768  
[earl@luceair.com](mailto:earl@luceair.com)

Jim Martin: 585-368-9333,  
[jettester@frontiernet.net](mailto:jettester@frontiernet.net)

Bob Northrup: 585-507-1000  
[n714b@rochester.rr.com](mailto:n714b@rochester.rr.com)

Jeff Paris: 585-750-5333  
[jeffrey-j-paris@excite.com](mailto:jeffrey-j-paris@excite.com)

### WEBMASTER

Phil Hazen: 585-227-9811  
[phil1948@frontiernet.net](mailto:phil1948@frontiernet.net)

### YOUNG EAGLE COORDINATOR

Elise Isler 585-764-9811  
[flyyoungeagles44@gmail.com](mailto:flyyoungeagles44@gmail.com)

### EDITORS EMERITUS

Paul Pakusch: 585-746-4514  
Art Thieme: 585-663-1875

### EAA 44 is a 501(c)3 organization.

Gifts of cash, securities or other property to the Chapter for the benefit of the Sport Aviation Center are welcome and fully tax deductible.

Contact Treasurer Elise Isler for details.



## REGIONAL CALENDAR

Look to Upstate NY's Aviation List at <upstatelist.org> for regional fly-in breakfasts and other events.

### ROCHESTER KITE DAY

Charlotte Beach  
Sunday May 4  
**NEW EVENT!**

### AOPA ASF SEMINAR

"Accident Case Study: Live  
Thursday May 22, 7 PM  
(NOTE NEW DATE)  
at the SAC  
<<http://www.aopa.org/Education.aspx>>

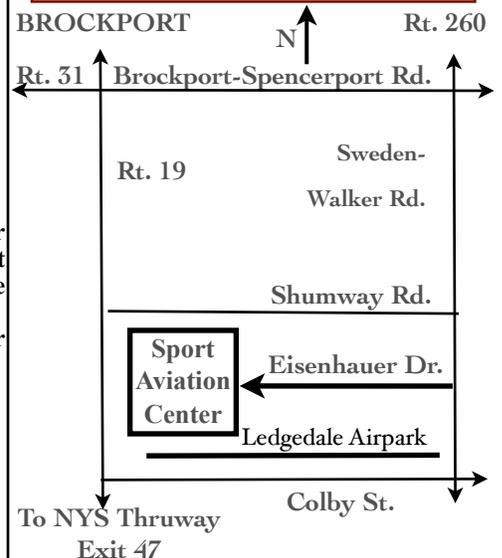
### GENESEO AIRSHOW

**THE GREATEST SHOW  
ON TURF**  
July 11-13

See the 1941 Historic Aircraft Group's whole schedule of summer events at <1941hag.org>

### ROCHESTER AIRSHOW

Aug 16/17 featuring  
the USAF Thunderbirds.  
<RochesterAirshow.com>



## EAA 44 Calendar



### **NEXT GENERAL MEETING**

April 15 Dinner 6:30, Mtg. 7:30

Our speaker is Brian Pitre, co-Founder of SkyOp LLC, to talk about commercial uses of small Unmanned Aerial Vehicles.

Gail & Jerry Isaac are making chili. Please bring a dish or dessert to compliment that.

Apr. 26 SAC Work Day

May 10 SAC Work Day

May 13 Board Meeting

**May 17 Young Eagle Rally**

May 20 General Meeting

**May 22 AOPA ASF Seminar**

May 24 SAC Work Day

June 10 Board Meeting

June 14 SAC Work Day

June 17 General Meeting

June 28 SAC Work Day

July 8 Board Meeting

July 12 SAC Work Day

July 15 General Meeting

July 26 SAC Work Day

**All activities take place at the Sport Aviation Center unless otherwise noted.**

### **Sport Aviation Center**

44 Eisenhower Dr. 14420

Brockport Airport/

Ledgesdale Airpark (7G0)

43° 10' 56" N 77° 55' 1" W

### **Board Meetings-**

2<sup>nd</sup> Tuesday of the month, 7 PM

### **General Meetings-**

3<sup>rd</sup> Tuesday of the month

\$5 Dinner 6:30, Meeting 7:30

### **SAC Saturday Work Days-**

2<sup>nd</sup> & 4<sup>th</sup> Saturdays, 10 AM

Bob Nelligan-Barrett  
EAA 44 Newsletter Editor  
146 Worthington Rd.  
Rochester, NY 14622