



The Flyer



Volume 51, Issue 3

Experimental Aircraft Association Chapter 44

March 2019

AVIATION EXPLORER POST 44 JOINING MEETING ANNOUNCED

Chapter 44 has initiated a joint program with the Seneca Waterways Council BSA to offer an Aviation Explorer Post to young people ages 14-20. Explorer programs provide young people with exposure to careers in different fields.

Post 44 will meet for 8 weekly sessions starting April 4 with a “Joining Meeting” led by Frank Grossman and John Sheible from SWC BSA. Pizza will be served at 5:30 PM and the meetings will run 6-8 PM. Students and their parents/guardians are invited to this first session. Cost to attend is \$50 for registration and insurance.

A variety of local aviation experts in their fields will present to the Explorers. Among them will be: Earl Luce on Tube & Fabric Construction; Jim Martin on Flying Gliders and Being a Test Pilot; and Darrin Kenney CFI.

This is not the first time our Chapter has had a Post. Back in the day (years unknown) we had one but your Editor has found very few mentions in past newsletters of the activities of this Post prior to 1985. Can anyone fill in the blanks?

FLIGHT SIMULATOR GROUP TAKES OFF

EAA Chapter 44 is fortunate to have an abundance of riches when it comes to flight simulators. From our historic GAT-1 Link Trainer and ATC-610 desktop sim to our four PC-based sims running X-Plane 11 to Frank Grossman’s 60” vertical three-screen set-up with an Oculus Rift virtual reality headset, we have quite an opportunity for virtual flying at our fingertips.

At the first meeting of the Flight Simulator Group (*they need a better name. Ed.*), Frank, Norm Isler, and Student Members Nick Humphries and Tyler Mullen got used to the sims and did some test flying in the area.

The next meeting is March 28, and Frank will have on hand an Oculus Rift Virtual Reality Headset. Using this allows a sim pilot to move her head left or right and up or down, and the view within the headset will change accordingly. No need for 3 screen setups with this. To get an idea of what this like go to <youtube.com> and search for “X-plane 11 virtual reality”.

The group is open to anyone interested in flying sims for fun or skill improvement. They meet on the 4th Thursday of the month, with pizza at 5:30 PM and the “Meeting” from 6-8. For any questions, contact Frank Grossman at < Vice-president@eaa44.org > or 585-305-0552.

**DUES ARE (OVER)DUE!
IF YOU HAVEN’T PAID GAIL YET,
YOU’RE THREE MONTHS LATE.
PLEASE DO SO AT THE NEXT MEETING.
THANK YOU FOR SUPPORTING YOUR CHAPTER.**

AVIATION BACK IN THE DAY: PART 2

On the cover of the June 1955 Mechanix Illustrated is pictured a futuristic Italian gas turbine car, an RC Catamaran and Cole Palen's 1910 rebuilt Bleriot.

Inside the issue is a two-page story on the then 45-year old plane. It had "flexible wings warped by cables from odd structures above and below the fuselage (*The "odd structures" seem to be cabanes like on our Baby Ace with control cables running out to the wings. Ed.*)" The plane was rebuilt with pieces from an original accident-involved Bleriot. The control stick, longerons, rudder, and data plate are from the original. The rest Cole built from scratch just like any homebuilder of the time.

From this aircraft, and others like it, Cole founded and developed the Rhinebeck Aerodrome in Rhinebeck NY, with its collection of original and restored WWI aircraft. Visitors can see two different airshows there on the weekends.

There is a brief mention and photo of a man receiving a "MI Golden Hammer Award" for workmanship of an aircraft that looks very much like a Baby Ace. This plane had the same blue & white, circular original EAA log also found on our Baby Ace and others of the time. It had a 26" wingspan and was 18 " long, powered by a 65 HP Continental engine, with an 85 MPH cruise speed. Sounds VERY familiar. Hmmm.

Part 2 of the Baby Ace plans focusing on the fuselage and tail structures were in this issue. This is where we turned when we decided to reshape the tail, back to the source, the MI plans.

Other than the articles above, this issue was slim on aviation technology of the day. But wait for next month. Submarine Airplanes are back, but now they are BOTH nuclear powered. If only Jim Reddig could have seen the future.

FLYING THE BEAM A GAME OF AERIAL TRANSPORT

While wandering through the Irondequoit Antique Mall, I found some aviation board games. This one will flummox GPS-trained pilots. And show how far we've come.



"This old game, designed by Captain William J. Chapman, an army pilot, is based on actual blind flying conditions. When "flying the beam", the pilot hears a steady radio buzz when he is on his true course. If he flies to one side of the beam, he hears the Morse code letter "A" (-.); if to the other, the letter "N" (-.). As he nears the "On Course" signal, the letters "A" and "N" will superimpose on the "On Course" buzz in what's called the "Twilight" zones. Finally, as the pilot approaches the radio sending station adjacent to the airport, the signal fades out into what's called the "Cone of Silence".

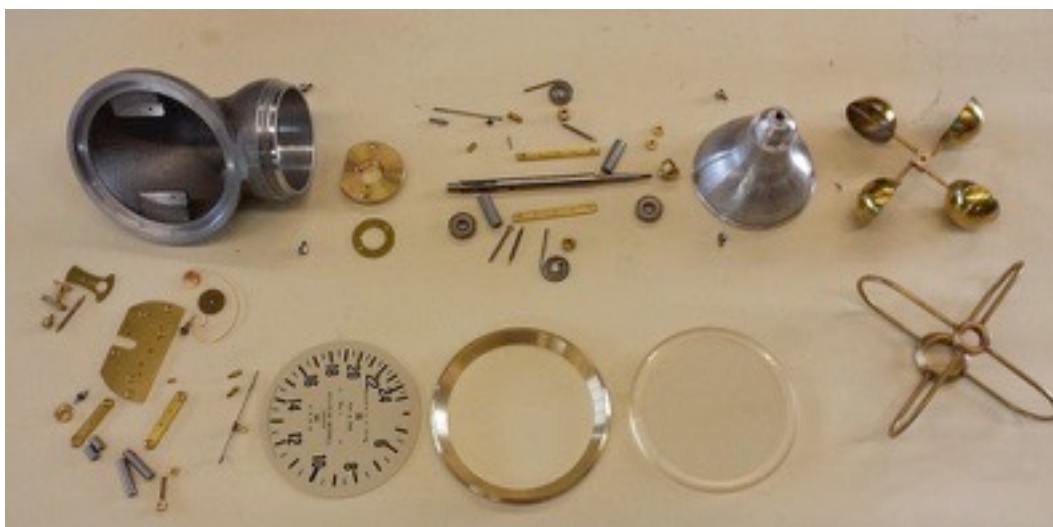
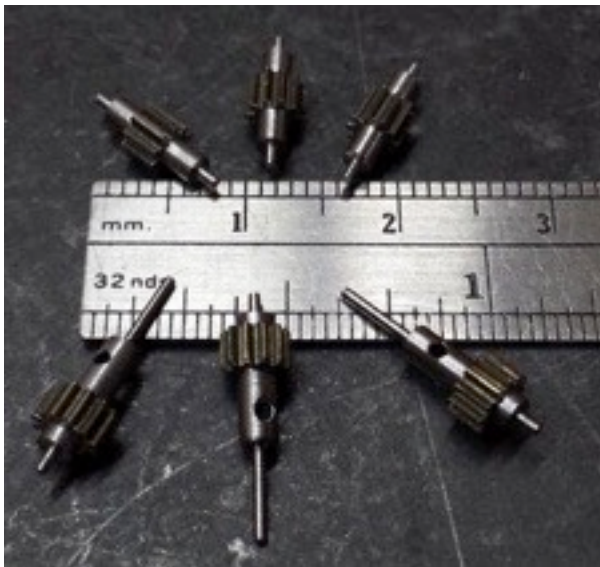
The object of the game is to land safely at the airport. Each player places his marker on the "Leg" of the beam nearest them. The start space tells you which lane (A, N, or center) your plane begins its approach on. On your turn, you spin the spinner and move your plane the number of spaces indicated towards the "Cone of Silence" in the center of the board. You must follow the directions for any space you land on (usually these cause you to shift lanes). When the "Cone of Silence" is reached, you spin for a runway number to land on. The first player to land by exact count on their assigned runway space wins." (Image & text © BoardGameGeek.com)

HOMEBUILDING AN ANEMOMETER

by Vet Thomas

Jeff Brooks, our March Guest Speaker, gave me a call when he needed an anemometer for his Fokker D. VII. It's not like I had one of them sitting on my shelf. So I reverse engineered the instrument, develop it in my CAD program, gather the tooling, made the fixtures, and machined all the parts. I designed and made the patterns for casting the bodies, and created the art work for the dial faces. Piece of cake. The only things I did not do is make the glass, pour the castings, and print the artwork on the dials.

Next month I will explain how we calibrated this instrument.



BABY ACE UPDATE

Since our last update, the BART's have had two snow cancellations. But we persevere little by little whenever we can. **Thank you to Jim Weinkauff for keeping the driveway and parking lot plowed for us this winter.**

It seems like we have been working on the wing ribs FOREVER since September. We HAVE been, because as I've learned, it's a long process to build two wings. From building the jigs, to cutting the rib pieces, to building the different kinds of ribs and trimming them as necessary, to getting the spars and trimming them, to...I don't know what's next. We haven't gotten there yet and I've never built a wing. I think assembling the wings with the ribs on the spars while adding the hardware. And we will have all the parts for BOTH wings ready so we should see visible BUILDING progress soon on that front.



Vet, Earl and I have decided to take the "D" model, straight edge tail that came on N75H and modify it to become a curved, Mechanix Illustrated plans, "C" model tail "like Squeek built it." as we say. Earl taught Tyler M. how to use a grinder to cut off the trailing edge of the rudder while Vet took the MI plans home and converted the necessary drawings on his CAD machine to full-size templates that Earl

and Tyler M. then put up against the cut-off rudder to visualize the new shape.



Think about that for a second. From 64-year old plans in a 7" x 9" hobbyist magazine, converted to a CAD drawing to become the outline of the new shape, there is also a process to modifying and to rebuilding a tail. It's amazing to me what we can do on this airplane with the application of knowledge, experience, and technology.



EAA has also officially announced the list of aircraft that will be celebrated with Anniversaries and Gatherings. The Baby Ace and the Pietenpol lead the list at 90 years, and the MI Replica Baby Ace is the lead photo for the webpage.

Experimental Aircraft Association Chapter 44

Meeting Minutes
February 13, 2019

Opening

The regular meeting of the Experimental Aircraft Association Chapter 44 was called to order by Vice President Frank Grossman at 7:23pm on February 13, 2019 at the EAA 44 SAC.

Board Members Present

K. Arganbright, N. Isler, F. Grossman, J. Weinkauff, D. Kenney, P. Hazen

Board Members Absent

R. Spurr, F. Englund, M. Clayton

Approval of Minutes

Upon the *motion* of Jim W. seconded by Kevin A., the minutes of the regular meeting of the Board of Directors, January 8, 2019 were unanimously approved.

Officer Reports***President Spurr –***

1. Capital Campaign – Brochure Draft is ready to go final after a few minor corrections. The committee is working on a list of potential donors. Motion by N. Isler, Second by P. Hazen to renew the EAA membership in the Town of Sweden Chamber of Commerce, motion carried 6-0

Vice President Grossman –

1. Discussed the Boy Scout Explorer program. Presenters have been secured for the program. Program will run for 8 weeks, every Thursday starting April 4th through May 30th with no meeting April 18th due to school spring break.

2. Sign for entrance is in production and NYSDOT will install for (*amount redacted.*)

Financial Report – Gail Isaac Treasurer

1. Presented January 31, 2019 Financial Reports, motion by D. Kenney seconded by J. Weinkauff to approve the Treasurer's Report, carried 6-0

2. PayPal account has been problematic and discussion ensued about how best to provide Gail with letterhead so the required correspondence could be provided. The bylaws stipulate that the EAA 44 address is not Eisenhower Drive, but the address of the current President of EAA 44.

3. Mike Clayton has been working on Budget Development

4. Discussion regarding whether the chapter should have a debit and/or credit card, cyber security and if any related tax-exempt issues. More information will be needed for resolve.

Facilities Report – Kevin Arganbright

1. General/annual maintenance performed by licensed contractors on the furnace backflow preventer.

New Business

1. Capital Committee – N. Isler present on behalf of President Spurr, the brochure Draft is ready to go final after a few minor corrections. The committee is working on a list of potential donors. Motion by N. Isler, Second by P. Hazen to renew the EAA membership in the Town of Sweden Chamber of Commerce, motion carried 6-0

2. Baby Ace Restoration Project – Bob Nelligan-Barrett

3. a. Wood Spars cut to length.

b. Several mini-projects are occurring at once to enhance efficiency and keep volunteers busy.

- c. Item b and wing work are resulting in a shortage of space in the shop area. The BART team requested use of a corner of the main meeting/education hall. Due to maintaining the integrity of the wings, safety, cleanliness, and required space for meetings and AOPA events (revenue generator), the Board determined that the west section of the conference room would be temporarily utilized for the wing work. The BART will also work to better organize the shop space by removing extraneous furniture and fixtures and potentially relocate the Link Trainer.
- d. No expenditures have occurred since the last meeting. In the near future approximately (*amount redacted*) will be needed for paint and prime of metal structures.
- e. Mike Clayton is working on a Project Expenditure Schedule and Timeline Detail Report.
- f. N. Isler brought to the Board's attention that there are two separate GoFundMe accounts for the B.A. project and there should be one.
3. Bob Nelligan-Barrett raised two issues for Board consideration: a. Oshkosh Memorial Wall plaques for two EAA 44 members that have passed away at the cost of (*amount redacted*) each. The board discussed in the past that donations and other funding sources substantially paid for previous member plaques. A general consensus of the board was to honor the members at the local chapter, SAC. No action was taken.
- b. Father's Day Breakfast (Saturday before) – Bob inquired if the EAA 44 would be doing it or not. It was questioned what would be needed, costs, who would organize/run it. After two years Bob indicated he would not oversee the event this year. No action was taken, to be discussed further at a subsequent meeting.

Adjournment: Motion to adjourn by D. Kenney, Seconded by P. Hazen, approved 6-0. Adjourned by VP F. Grossman at 9:32 PM. Submitted by Darrin T. Kenney.



WE WANT YOU!

FOR NEWSLETTER EDITOR!

ENLIST OR BE DRAFTED!

SERVE YOUR CHAPTER!

TIME IS RUNNING OUT!



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 Gail Isaac. For membership info, contact Treasurer Gail Isaac

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

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CAPITAL CAMPAIGN

Volunteer Needed

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Art Thieme: 585-663-1875

FLIGHT ADVISOR

Jim Martin: 585-507-0245

HOMEBUILDERS COUNCIL

Volunteer Needed

BABY ACE RESTORATION TEAM/ HISTORIAN/LIBRARIAN/ NEWSLETTER EDITOR

Bob Nelligan-Barrett:
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 146 Worthington Rd.
 Rochester, NY 14622

SPORT AVIATION CAMP

Volunteer Needed

TECHNICAL COUNSELORS

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 Jim Martin: 585-507-0245

WEBMASTER

Phil Hazen: 585-227-9811
webmaster@eaa44.org

YOUNG EAGLE COORDINATOR

Elise Isler
flyyoung eagles44@gmail.com

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 Gail Isaac for details.

REGIONAL CALENDAR

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

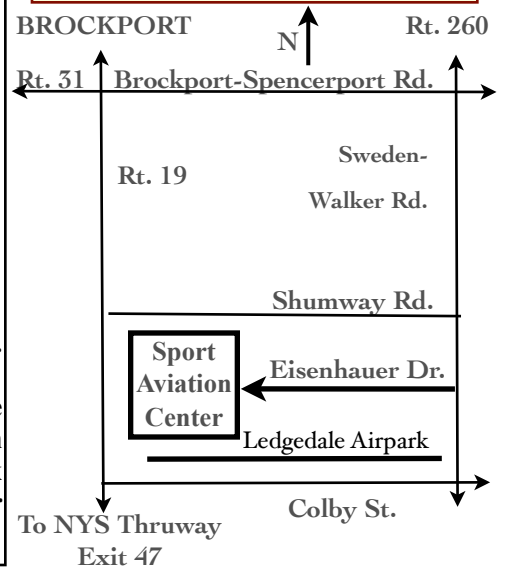
April 2-7
Sun 'n Fun
 Lakeland FL (LAL)

June 1, July 13
August 10, September 14
EAA Chapter 44
Young Eagle Rallies
 @ the SAC (7G0)

July 12-14
National Warplane Museum
Airshow,
 featuring the A-10 Thunderbolt,
 B-17 and C-47 Rides
 Geneseo NY (D52)

July 22-28
50 Years in Oshkosh
Baby Ace 90th Anniversary
AirVenture 2019
 Oshkosh WI (OSH)

August 24/25
Rochester Airshow
 featuring USAF
 Thunderbirds
 and F-22 Raptor
 Rochester NY (ROC)



EAA 44 Calendar



Fokker D. VII © Wikipedia

NEXT GENERAL MEETING
March 19 Dinner 6:30, Meeting
7:30

Our **Speaker is Jeff Brooks** talking about his homebuilt Fokker D-VII replica.
Richard and Sydia Cromer are providing a succulent Latin entree of baked chicken, yellow & white rice, and red kidney beans, with a tossed salad. YUM! Please bring sides and desserts to complement dinner.

March 27 VMC Club
March 28 Flight Simmers

April 4 Aviation Explorer Post
Joining Meeting
April 6 History Committee
April 9 Board Meeting
April 13 SAC Work Day
April 16 General Meeting
April 24 VMC Club

May 1 AOPA/ASI Safety
Seminar 7-9 PM
May 4 History Committee
May 11 SAC Work Day
May 14 Board Meeting
May 21 General Meeting

All activities take place at the Sport Aviation Center, & are free & open to the public
Sport Aviation Center
44 Eisenhower Dr. 14420
Brockport's Ledgesdale Airpark (7G0)

Baby Ace Restoration Team
Every Wednesday 6-9 PM
Aviation Explorer Post
Thursday's April 4-May 30 5:30-9 PM
History Committee
1st Saturday of the month, 10 AM
Board Meetings
2nd Tuesday 7 PM
SAC Saturday Work Days
2nd Saturday, 10 AM
General Meetings
3rd Tuesday
\$5 Dinner 6:30 PM, Mtg. 7:30-9
VMC Club
4th Wednesday 6:30-8 PM
Flight Simulator Group
4th Thursday, 5:30-8 PM

Bob Nelligan-Barrett
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