

Mile High Flyer

The Official Newsletter of The Experimental Aircraft Association, Chapter 43 Established May, 1958



Volume 45 Issue 8

On the web @ www.eaa43.org

August, 2018

CONTACT!

Many of us are just back from another successful Oshkosh, and find ourselves catching up on Colorado. I worked the wing rib building booth at KidVenture at AirVenture, and we had a steady stream of kids building their first real airplane part. So I'll let this young man's expressions speak for me. He was SO into doing a good job, and he alone completely renewed my faith in why we do what we do.

Hats off to ALL that participated in Oshkosh. We done good.

Safe landings, Phil







In this issue:

- This month's title photo is entitled "Sky Typing" by Conner Madison. For more 2018 AirVenture photos on the EAA website, got to https://www.flickr.com/photos/eaaairventureoshkosh/page1
- See flyers for the 99s Poker Fun Run on September 8th and the Runway 5K Run for the Angels on October 6 at RMMA (BJC). Note that if you register for the 5K by August 8th you'll save a few bucks. There's also a Chapter 43 team set up, go to the website on the flyer and click on Social and Corporate Teams on the left.

Next Meeting - Saturday, August 11, 2018

7 PM @ the Mt. Evans Room in the Terminal Bldg. @ Rocky Mountain Metro Airport (BJC)

Presentation for the August Membership Meeting

The Virtual Co-Pilot

Ken Hall, of Windsor, CO, received the EAA Founder's Innovation second prize last week at Oshkosh for a project that he calls The Virtual Co-Pilot. Using the processing power of a smartphone, a simple wireless air data sensor, substantial amounts of environmental data, and artificial intelligence, Ken's solution delivers constant visual, verbal, and haptic energy state feedback to the pilot. He will share the design and concepts behind this forthcoming product.

Uncoming Events Galendar

		2018 EVENTS			
AUGUST					
Sat	11	Hops in the Hangar, Wings over the Rockies Museum, 5:00 pm – 9:00 pm http://wingsmuseum.org/hops/			
Sat	11	EAA Chapter 43 Membership meeting, BJC, 7:00 pm			
Mon	13	EAA Chapter 648 Membership meeting, LMO, 7:00 pm			
Fri	17	EAA Chapter 301 Membership meeting, South Metro Fire Rescue Authority Building, 7:00 pm			
Sat	18	EAA Chapter 43 Young Eagles Rally, EIK, 7:30 am			
Sat	25	EAA Chapter 301 Young Eagles Rally, FTG 7:45 am			
SEPTEMBER Of the second of the					
	7-9	8 th Annual Midwest LSA Expo, Mt. Vernon Outland Airport (MVN), Mt. Vernon IL http://mountvernonaviationexpo.com/			
Sat	8	Spirit of Flight Annual Oktoberfest Celebration, car/plane/bike show, pancake breakfast, Spirit of Flight Center, EIK, 8:00 am vehicle registration, 9:00 am - 2:00 pm			
Sat	8	Colorado 99s Poker Run: KCOS, KFLY, KLIC, KAPA, and KFTG, 9:00 am - 1:30 pm Colorado 99s.org			
Sat	8	EAA Chapter 43 Annual Pizza Party and AirVenture Debrief, Lynn Miller's home, EIK, time TBA.			
	14-15	AOPA Fly-in, Santa Fe NM (KSAF)			
Sat	15	EAA Chapter 43 Young Eagles Rally, EIK 7:30 a.m.			

Since I currently don't have a second set of eyes to review the newsletter, I'd like to ask all of you to help find my boo-boos for cookies! YOU have a chance for cookies in August if you find something in this newsletter. Let me know at newsletter@eaa43.org!

If you'd like to contribute a newsletter article on a trip, a tool, component, or aircraft review, a how-to for build or test, historical or ANYTHING airplane or chapter related, don't be shy. I'm still struggling with input that's not electronic, but you can email newsletter@eaa43.org with anything ya got in electronic format. Be aware that Gmail limits attachments to 25 MB, so if it's bigger than that, try multiple emails.

CHICKEN WINGS









Want Ads & articles for publication may be sent to the editor - newsletter@eaa43.org

Want Ads



Bill Mitchell reports that these folks can embroider a couple of different sizes of our chapter logo on jackets, shirts, etc. Bill showed some examples at one of our meetings, and they were beautifully done!

Clearing the Hangar!

Following the sale of Don Smith's S-19 project, the family needs to clear out his hangar at RMMA (BJC) by the end of August. Items include a nice roll-mounted work bench, numerous shelving units, and some plywood.

Contact Don Smith Jr. at 720-988-7475 or deansauce@gmail.com.

2011 ELSA Zodiac 601XLB, TTA/E 335 hr., Jabiru 3300, Dynon 180 EMS/EFIS, Garmin AERA500 GPS, ICOM A-200, ELT, Garmin GTX 320A Xpdr, AOA, Sensenich GA prop, elevator & aileron trim, dual brakes and throttle, always hangared, fresh annual, builder and maintenance logs. Laramie, WY. MEDICAL ISSUE forcing sale, \$47.5k (See specs on next page.)

Wes (307)721-8804







DATA SHEET

ELSA ZENITH 601XL-B - \$47.5K

By owner/builder

- 2011 Zodiac 601XL-B; always hangared (KLAR); TT335 hrs.
- Fresh condition inspection
- Sensenich ground adjustable composite propeller
- 15 gallon fuel tanks
- Navigation and strobe lights
- Electric elevator and aileron trim; electric flaps
- Center yoke with dual brake and throttle controls
- Jabiru 3300 with oil cooler
- High Altitude Control-manual (HAC man)
- Dynon 180 EFIS/EMS
- Dual VSI, AS, & Alt.
- Removable GPS Garmin AERA 500
- Communication-ICOM A-200; Intercom-Flight Com 403mc
- Transponder- Garmin GTX 320A
- ELT Ameri King AK450
- Tannis engine heater; baggage wing lockers; Kruger sunshade
- Necessary maintenance tools, Lightspeed Zulu headsets (2), canopy cover, new upholstery set, extra tires, manuals

1994 RV-6 N93MY

TT 1778hrs LYCOMING 0-360 A1A Constant Speed Prop

A ground loop ran the plane into a hangar with slight repairable damages to the plane, mostly cosmetic. The main damages were to the engine and prop.

Must be seen to fully understand the situation.

Open to bidding.

Call 303-589-8552 (leave a voice message)







Join the fun at the Poker Run! Saturday, September 8

How to Play

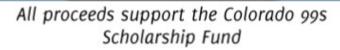
- Fly to the Poker Run airport stops below in any order between 9:00am and 12:45pm.
- Purchase a game card for \$20 at your first airport stop. Multiple hands are welcome
- A Pick up playing cards at each airport
 - stop to form your poker hand.
- No penalty if you skip a stop, just pick up extra cards at the terminus.

- Arrive by 1:00pm and turn in your hands at the terminus—KFTG.
- Get lunch at the café while hands are tallied.
- At 1:30pm the winning hands are announced and prizes awarded.
 - ♥ Bring a friend and play for fun and great prizes!

Sign up today at Coloradoggs.org

Poker Run Stops

- → KCOS (Cutter Aviation)
- → KFLY (American Aviation)
- → KLIC (Terminal Building)
- → KAPA (Denver jetCenter)
- → KFTG (Terminal Building)



www.Coloradoggs.org

Questions? chairman@coloradoggs.org







SIGN UP NOW!

HTTPS://RUNSIGNUP.COM/RACE/CO/BROOMFIE LD/RUNWAY5KRUNFORTHEANGELS

Register for a chance to win a Private Plane Ride with an Angel Flight West pilot! Check out Denver and the surrounding areas with a birds-eye view!

5K RUN FOR THE ANGELS

WANT TO RUN ON AN AIRPLANE RUNWAY - HERE'S YOUR CHANCE!
JOIN ANGEL FLIGHT WEST FOR THE 2ND ANGEL FLIGHT 5K RUN/WALK AT ROCKY
MOUNTAIN METROPOLITAN AIRPORT IN BROOMFIELD ON SATURDAY, OCT. 6,
2018. ALL AGES AND RACE ABILITIES WELCOME!

RACE DETAILS

Date: Saturday, Oct. 6, 2018

Time: 9 a.m. (runners)

Location: Rocky Mountain Metropolitan Airport,

11755 Airport Way, Broomfield, CO 80021

Cost:

Adults: \$35 early-bird (before Aug. 7); \$40 (Aug. 7-Oct. 5);

\$45 (Oct. 6 race day registration)

• Kids (under 13 years old): \$10 anytime (no t-shirt) Important Information:

The race will be certified for accurate distance so come beat your personal best!

Sponsorship Opportunities:

Contact Mary Hunter at maryh@angelflightwest.org or (310) 390-2958.

For more information visit: www.angelflightwest.com

EAA Chapter 43 July 14, 2018 Member Meeting Minutes

President Phil Brown opened the meeting at 7:05.

VISITORS, NEW MEMBERS - Please tell us about yourself

Location

Flying, What? Many Months/Years?

Building anything?

Flying HOPES?

What led you to us?

Sign in and get 6-month trial membership in Chapter 43

Dick Socash, president of Chapter 648 (KLMO) for 9 years. Dick got his license in 1960, was invited to join the United Flying Octogenarians, and built an RV-7A with his daughter. Dave Shenk shared that during that build, visitors were invited to set a rivet and sign the plane. Parts were sent out like vacationing gnomes — with a Marine mission to Iraq, to Nepal, summiting Colorado 14'ers, etc. Signatures include numerous WWII veterans. Dick and his daughter wrote "The Experimental Experience" about the build.

Wayne Gibson and son Edward from Young Aviators. Wayne built the dash for the B-25, is involved with the laser cutter, and has a Xenith 650 kit on order.

Emily Matula has completed ground school and is an amateur radio operator.

Also Mike McKenzie.

A question to think about for a poll at meeting's end – should the business meeting be held AFTER the speaker portion? In other words, flip the speaker and business sections of the meeting?

Meeting Dedication: Oscar U. Zerk

In January 1929, Oscar was awarded U.S. Patent 1,697,217 for the Zerk fitting. He worked for Alemite and The Bassick Mfg. Co., Chicago.

ANNOUNCEMENTS – Anything to share with the Chapter?

The Boulder Daily Camera had an article about Superior residents complaining about aircraft noise (Superior is on the west approach to RMMA). Phil Brown mentioned the article to RMMA management, they're aware and pointed out that homeowners are required to sign off on this as part of house closings.

Phil also passed around the signup sheet for AirVenture volunteers.

TRIP REPORTS

Stephanie Wells flew to Salida with the 99s. Salida has a nice FBO with a 14-passenger shuttle that took the 22 participants into town for breakfast.

SCHOLARSHIP – Eric Serani

Eric explained the association between Chapter 43 and I Hart Flying for a special "competitive" scholarship (worth up to \$5000) which will open for applicants on July 16. The scholarship requirements include local residency, male or female, between the ages of 15 and 29. A Bose headset will also be awarded to the scholarship winner. Applications are due 8/10. This will be the Cleon Biter Memorial Scholarship for 2018. The Scholarship Committee hopes to use the exposure through I Hart Flying to encourage corporate sponsorship and further media exposure.

EAA Chapter 43 July 14, 2018 Minutes Continued

PROJECT REPORTS

John Evens showed first flight photos of his Kitfox. He talked about Oratex fabric, and the translucency of the white color he chose. Stan Specht asked John to tell the story of his tail logo – John had sourced the artwork online and paid a small royalty to use it on his plane. He'd posted pictures on the Kitfox forum. Shortly thereafter, Kitfox decided to update their logo, formerly a cartoon fox, and the artist they hired came up with something suspiciously close to John's – that mess has been cleared up now.

SAFETY REPORT – Stephanie Wells

Stephanie noted that lots of folks will be flying to AirVenture in another week. She noted that back in June, some friends had been flying to an air race when they encountered bad weather. They landed safely. The pilot, Stephanie's friend Gretchen, has an instrument rating and the plane is equipped for IFR, but she wished she'd had an IFR refresher before the trip. Might be a good idea for those flying to AirVenture.

Bob Wilson had some comments on mountain flying. He's been trying to get a checkout with Bill Mitchell, but it hasn't worked out yet. It's fun flying in the mountains after commercial altitude flying! Look for the wind, usually out of 280-340, get on the downwind side of ridges. Having a verified rate of climb (variometer) is important. Get downhill if you have issues. If in a narrow canyon, turn into the wind to tighten your turn radius. If your engine fails, be prepared for a heavy rudder. Try a glider flight to practice working with lift and sink. In the June program, Bill Mitchell had recommended flying over airports along your route, even if not planning to land there. Bob suggested routing within a 10 mile radius. Bob showed a slide illustrating the lift near Mt. Audubon. Try a different attitude to find smooth air. And have a way out – that's key. Bill added that if you're afraid, you're in trouble, so try things carefully. Val Gregory commented on the recent Alaska craft, noting that the pilot had landed upslope. Stan Specht flew to Granby for the 4th of July, and saw no one he recognized – are we losing our curiosity? It was a beautiful flight! Bob closed suggesting that we think of all our planes as "dreamchasers".

YOUNG EAGLES - Cliff Hasenbalg

Cliff showed this year's national totals for Young Eagles pilots. 18 pilots have flown with Chapter 43 this year. Stan Specht has flown 6 flights with Chapter 43 and 20 more with Chapter 301 or freelance. Robert Ellis from a small Kansas town has flown 15 missions this year, with a lifetime total of 711!

Rural outreach is on the backburner for now, due to summer camp events, etc. There have been two summer camp events – the first day featured record high temperatures – making the flights feel like a turkey in a convection oven. Need to do the flights early, but the kids showed up late. And finally, Young Aviator Trevor's Boy Scout Eagle project will be a sign showing the chapter's total count of Young Eagles flights. Next month Cliff will talk about the accomplishments of the Young Eagles ground crew members.

YOUNG AVIATORS - Scott Serani

No report.

NEW & OLD BUSINESS

AirVenture July 23-29, Oshkosh, Wisconsin www.airventure.org

Stephanie announced the 99s Poker Run September 8, a southerly route with its terminus at Front Range. Ricky Domenico has done the poker run in the past – good experience and a great day.

The Beaches are moving – see goodies on the table at the front of the room, donations to Young Aviators.

MILE HIGH EAA Chapter 43 July 14, 2018 (minutes continued)

New & Old Business continued

Phil – don't forget to wear name tags, for everyone else and especially the newbies, like Phil!

Val handed out cookies to Phil, Scott McEwen, John Evens (from Tom Schibli), and Stan Specht.

And finally, answering the question asked at the beginning of the meeting: Should we hold the business meeting AFTER the speaker portion? In other words, flip the speaker and business sections of the meeting? The vote was overwhelmingly to keep the order as-is, Stan Specht suggested asking and following the speakers' preference.

Cross-Pollinating – Steve Paschke

Steve is from Minnesota. His father flew a 172 and his mom lives on a lake with a seaplane base owned by one of Steve's high school buddies. The lake house was built by Steve and his dad, who taught Steve to be a DIY'er. Steve majored in Computer Science, which has been his career for 30 years. He minored in Business and Electronic Engineering, though he didn't finish the EE degree. He has an interest in avionics and instruments for his 20-year-old kit plane, replacing the old gyro system. He also has an electronic radio interest (input only). Steve currently works for the Bureau of Reclamation at the Federal Center. Following his daughter's college graduation, Steve plans to retire and spend half his time at his wife's rubber plantation in Thailand.

TONIGHT'S PROGRAM

Bio: John Barry is President and CEO of Wings Over the Rockies Air & Space Museum in Denver. The museum is launching a second campus in Centennial called Exploration of Flight, including air and space flight. Aviation careers is another important aspect of the new campus and it supports youth in aviation, like we do!

Scott McEwen introduced John Barry and thanked Jeff Cain for suggesting him as a speaker. Air Force Major General (retired) John Barry was a 1973 US Air Force Academy Honor Graduate. He served as a White House Fellow and was part of the Shuttle Columbia Investigation. He also has 270 combat hours and 3000 hours in both the F-4 and the F-16. After retiring from the military, he became the superintendent for Aurora Public Schools, receiving Superintendent and Communicator awards.

Exploration of Flight will include two galleries and school facilities, with the Blue Sky Hangar housing the Boeing Gallery for Aviation opening next weekend (July 21).

John considers himself a failure at retirement and shared a joke about his military rank.

Three Brits are leaving London, reading the Times, and introduced themselves to each other. The first two are Brigadier Generals, married, each with two sons, who are all doctors or lawyers. The third is a Sergeant Major, not married, not married, with two sons, both Brigadier Generals!

The US needs approximately 6000 new pilots each year, military and commercial, and last year only 350 new pilots joined the workforce. Why? High training costs and more airplanes. The Air Force is recalling recently retired pilots for command post roles, allowing active pilots to fly. Colorado has the most air museums in the US after California. Wings Over the Rockies started with two big hangars at Lowry. One was sold to fund the museum in the other. The Exploration of Flight's Centennial campus consists of fifteen acres and is planned to contain the Blue Sky Hangar (opening in a week), the Black Sky Hangar for Space, and an Entryway building with a restaurant. Additional buildings will house an FBO, a flying school, a charter middle school, Metro State University's Aviation program, and Spartan College.

Consider that a glider pilot can solo at 14 years of age, license at 16; powered flight allows for solo at 16 and license at 17, and it's possible (though rare) to earn an AMP certificate by high school graduation.

Exploration of Flight has issued a donor challenge to think bigger and make Colorado the Silicon Valley for aviation. Front Range Spaceport was signed off in August of 2017. The Blue Sky Hangar will include a Redbird FMX IFR simulator to provide currency (no instructor required). The Mezzanine will house the Experience of Flight – gyros, a marble maze game simulating IFR flight, leading edge technology, and a virtual reality flight experience – drones to satellites.

MILE HIGH EAA Chapter 43 July 14, 2018 (minutes continued)

TONIGHT'S PROGRAM CONTINUED

The Sequence of Flight section will include flight ops and small airplane experience with a new plane every week and airfield tours with explanations. Exploration of Flight is partnering with Aspen Aviation for Young Eagles and Teacher Flights. Teachers become museum members and aviation ambassadors back at their schools.

The Black Sky Hangar sponsored by Sierra Nevada will be more exhibit oriented – virtual reality launch and flight to the moon.

Schools – the charter middle school on campus and high school outreach. Blended learning (computer) opportunities available to multiple districts, as well as Dual Learning (AP associate degree). Project based learning to encourage pathway choices starting in elementary school, more serious in middle school, and focused by high school. Life skills will be taught including teamwork, risk taking, etc. There will be student opportunities for company internships, job shadowing, and weekend and summer program. The Wing Span Campaign is intended to fund, plan, and build the required facilities and infrastructure. The Wings Aerospace Academy will provide online training, aviation builds, and tours.

Wings Over the Rockies and Exploration of Flight can't solve the aerospace personnel issue, but it can be a model for replication.

John showed an event schedule, check it out at <u>explorationofflight.org</u>. Platte Valley's Vintage Aero Flying Museum will supply planes for a WWI Centennial Anniversary in November. "Above and Beyond" exhibit at Lowry starting in September will predict a Chinese landing on the Moon in 2020, triggering a new space race.

Jeff Cain said that EAA's Young Eagles program in a farm team with no pro team above, how can bridges be built between Young Eagles and aviation careers? John answered that it's important for kids to figure out what they DON'T want to do – and they need exposure to know, to find their passion. Not a job, but a profession. He's working on selling Teacher Flight to the EAA as the next step to Young Eagles. Mary noted that several kids from the Antiquers Young Eagles program are now aviation professionals and military pilots.

Exploration of Flight at Centennial is now open Friday thru Sunday and fly in is available. See directions online at <u>explorationofflight.org</u>

Respectfully submitted, Val Gregory Chapter 43 Secretary



Membership Enrollment Information

(Needed for Current Roster & Chapter Correspondence)



MANDATORY INFORMATION: If nothing has changed from last year, this is all the information required. We need EAA Membership # and EAA Renewal date to comply with EAA Charter and Chapter 43 by-laws.

Date:		Annual Dues or	\$25.00
Name:		Save! 5 years for	100.00
National EAA Membership #:		Scholarship Donation (Optional)	.00
EAA Membership Renewal Da	te:	Total	.00
Are you a:		Scholarship donations are tax dedu	ictible.
Technical Counselor Flight Advisor CFI	YesNo YesNo YesNo	Please make check(s) payable to: EAA Chapter 43 P.O. Box 1725 Broomfield, Co. 80038-1725	
		MEMBERS OPTIONAL INFORMATION: S f you want a field deleted from your record, p	
E-Mail Address:		Home Phone:	
Spouse:		Cell Phone:	-
Street:			100
City, State, and Zip:			
HOW WOULD YOU LIKE TO Participate in Young Eagles for Arrange, Or Be, The Program Host A Chapter Meeting At Young for a Chapter Officer Post Interested in attending hands-of AIRCRAFT INFORMATION Note: Status:Built, Building, Restoring	nctions, either as pilot or For One Of Our Meetings our Project?	volunteer? Pilot Yes No Ground Crew Yes No Yes No Yes No Yes No	
Make, Model	<u>s</u>	tatus Based At	

To keep costs down the monthly newsletter is delivered via E-Mail (unless otherwise requested). We also send out periodic news items by e-mail.

2018 Chapter Officers

President	Phil Brown	303-506-3886
Vice President	Cliff Goldstein	720-280-2916
Vice President	Scott McEwen	303-895-5058
Secretary	Val Gregory	303-908-1252
Treasurer	Myles Lee	720-295-8778

Board of Directors

Phil Brown (Chairman) Cliff Hasenbalg** Stan Specht** Jeff Jones* Zach Malone*

(Note: *- 2 year terms expire end of 2019, **- 2 year terms expire end of 2018)

Volunteer Officers

Technical Counselor Technical Counselor	Jim Sutton John Reuterskiold	303-598-4205 303-881-3517
Technical Counselor	Bill Truax	303-249-2578
Technical Counselor	Phil Brown (fabric, wood & tube)	303-506-3886
Technical Counselor	Stewart Bergner	303-229-7799
Flight Advisor	Bill Mitchell	303-427-4025
Newsletter Editor	Val Gregory	303-908-1252
Young Eagles Coordinator	Cliff Hasenbalg	303-744-8180
Young Aviators Advisor	Pat Miller	303-666-8233
Young Aviators Advisor	Scott Serani	303-358-2858
Data Base Editor	Tim Stansbury	719-494-7398
Web Master	Steve Paschke	303-451-8490
Safety Officer	Stephanie Wells	303-503-0147
Refreshments	John & Roxie Juul	303-466-2600
Audio/Visual	Herrill Davenport	303-460-7789
Scholarship Chairman	Eric Serani	303-918-5446
Scholarship Fundraising	(Volunteer Needed)	

CFI's in Chapter 43

Phil Brown	303-506-3886
Mark Davis	303-425-4080
Dave Dooley	303-358-0506
Joe Gilmore	720-318-5100
Jeff Hinkle	303-550-2291
Bill Mitchell	303-427-4025
Mike Sutton	720-515-5269
Richard Treat	303-868-0451
Stephanie Wells	303-503-0147

Mile High EAA Chapter 43

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EAA Chapter 43

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First Class



