



Mile High Flyer

*The Official Newsletter of
The Experimental Aircraft
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December, 2019

CONTACT!

I took my Pixie for a flight today. It was 64° and winds were very light - unusual for a warm day this time of year. Too nice not to fly. There were lots of wave clouds over the mountains and downwind so I knew it would be bumpy somewhere. And it was, higher and near the mountains so I headed back and stayed low. I knew it might be the last Pixie flight of the season as it gets cold in that open cockpit. When I got back, I put up a little post on Facebook about the flight.

One of my high school friends commented "You're brave!" I've thought about this.

I don't think most of us that build our own planes are so much brave. I think the real motivation is not courage, but faith. Deciding to build a plane in our garage is not necessarily a rational decision. Most of us have been around planes and looked at all their parts, and we realize they are designed to be light and strong and reliable. We see engines run rather gently, and control surfaces with aircraft grade hardware and reinforcements all over, and all means of safetying our hardware. So we think "I can do that!" We think it safe to the degree of our ability to fly it. We choose a design and we begin.

I've seen planes built from plans in the eye of the creator. I've seen planes like mine built from big pages of plans. And I've seen planes built from kits. In every case, the builder spent as much time studying the design and figuring out how to build for reliability and safety. When necessary, and even when not, the builder often seeks the advice of others who have been down the same road. Is there a better way to drill this hole? Would this bell crank be more reliable if the cable were routed differently? Will a GPS antenna work under a cloth cover?

We as builders are careful. As we build we learn how to increase our ability level as parts become more complex. We develop faith in our work. We begin to understand the design and develop faith in the integrity of the design. And we develop faith because we have learned to trust ourselves.

Same with flying, even in a plane we did not build. As we gain experience, we develop faith in our judgement about conditions, and we develop faith in our abilities to pilot the aircraft safely in varying conditions.

Perhaps it is faith that allows us to relax and truly enjoy our flying experience. Oh, a little courage occasionally as we expand our personal horizons and develop new skills. But it isn't courage that makes us do what we do. It's faith that makes us do what we do.

Safe landings, Phil

Next Gathering - [Saturday, December 14, 2019](#)

6 PM @ the Mt. Evans Room in the Terminal Building @ Metro Airport (BJC)

Presentation for the December Membership Gathering

Ernie LeRoy, Aviation Archaeology enthusiast, will be presenting a history of the known facts and theories about the greatest mystery in aviation, the disappearance of Amelia Earhart. A short biography of her life, accomplishments in aviation, her world circling attempt, what we know, what we speculate based on known facts, and the expeditions and research done to test those theories.

Upcoming Events Calendar

2019/2020 CHAPTER EVENTS

DECEMBER

Sat 14 EAA Chapter 43 Membership Gathering, BJC, 6 PM

January

Sat 11 EAA Chapter 43 Annual Banquet, Colorado National Golf Clubhouse Restaurant, 2700 Vista Parkway, Erie, CO, 6 PM Drinks, 6:30 PM Dinner

2019/2020 AREA EVENTS

DECEMBER

Mon 9 EAA Chapter 648 Membership Gathering, LMO, 7 PM

Wed 18 EAA Chapter 1627 Membership Gathering and Potluck Holiday Party, KBDU, 6 PM

Fri 20 EAA Chapter 301 Membership Gathering, South Metro Fire Rescue Authority Building, 9195 East Mineral Avenue, Centennial, 7 PM

JANUARY

Mon 13 EAA Chapter 648 Membership Gathering, LMO, 7 PM

Wed 15 EAA Chapter 1627 Membership Gathering, KBDU, 6 PM

Fri 17 EAA Chapter 301 Membership Gathering, South Metro Fire Rescue Authority Building, 9195 East Mineral Avenue, Centennial, 7 PM

In this issue:

- The Annual Chapter Banquet is coming in January! Sign up and pay online via the Banquet link at the bottom left of the Chapter 43 webpage (eaa43.org) or use the signup form on page 10 to mail with your check! OR bring the signup form and check/cash to the December membership gathering and turn in to the Chapter Treasurer, Myles Lee. *Signup and payment due by December 30th.*
- It's also time to renew membership - Sign up and pay online via the Join/Renew button just below the Banquet button at eaa43.org, or use the form attached to the newsletter to mail in with your check OR bring it and check/cash to the December meetings and turn in to the Chapter Treasurer, Myles Lee. If mailing, save a stamp and put your renewal and banquet signup together!
- What's on your bucket list? Chuck Kubin has a really unique one checked off on his! See page 9.
- 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! Let me know at newsletter@eaa43.org. Then come to the next chapter membership gathering for your cookies!

If you'd like to contribute calendar event, 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 25MB, so if it's bigger than that, try multiple emails.

CHICKEN WINGS®

BY MICHAEL AND STEFAN STRASSER



This month's Chicken Wings is actually a greeting card! If you'd like to share Chuck with your friends and family, you can purchase the cards from

<https://www.aviatorwebsite.com/products/christmas-card-right-of-way-chicken-wings-1-card>

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

Want Ads



Custom Embroidery
Valerie Wait
 720-352-2630
 1705 Flemming Drive
 Longmont, CO 80501
 email: valandjimw@yahoo.com

Bill Mitchell reports that Valerie can embroider a couple of different sizes of our chapter logo on jackets, shirts, etc. Bill showed some examples at one of our gatherings, and they were beautifully done! The Gregorys had her embroider their tail art and N-number on their plane's seat cushion covers!

1946 Aeronca Champ 7AC – Like New Condition – Must See to Appreciate - \$35,000

2008 complete restoration – Cont. O-200 (118 SMOH), no-bounce landing gear, Cleveland hydraulic toe brakes, metal spars, twin 13 gal. wing tanks, new Sensenich wood prop, Poly Fiber covering, Icon IC-A200 radio and Flightcom 403MC intercom (both run off battery). Entire restoration done with relevant STC's and 337's.

Registration: NC83365 S/N: 7AC-2032 Based/Hangered at KEIK (Erie, CO)

Remarks:

Needs Annual, but Seller is perfectly willing to conduct/pay for annual in conjunction with a pre-buy.

Sale includes IFly 700 and battery pack.

Honest and straight flying Champ! Sad to see it go but it just doesn't get flown as much as it deserves.

If interested, contact: sserani@instakey.com



Mile High Chapter 43 Denver, Colorado Saturday, October 12, 2019

Meeting opened at 6:00 pm by Vice President Cliff Goldstein, who asked for a round of applause for Roxie and John Juul

ANECDOTE - Scott Serani

“My Job” – It’s not my place to run the train, the whistle I can’t blow. It’s not my place to say how far the train’s allowed to go. It’s not my place to shoot off steam or even ring the bell, but let the darned thing jump the track and see who catches hell!

VISITORS AND NEW MEMBERS

Please tell us about yourself:

- Name and where you live
- Do you fly? Months? Years?
- Own or rent? Building anything?
- Flying HOPES?
- What led you to us?
- Sign our sheet and get a six-month trial chapter and EAA membership! (FREE!)

Young Aviator Zach came with his dad. John Reading’s daughter Samantha is visiting from Corvallis, OR.

ELECTION!

President: Cliff Goldstein

Vice-President: Vote for TWO!

Zach Malone, Scott McEwen (I)

Secretary: Val Gregory (Incumbent)

Treasurer: Myles Lee (Incumbent)

Board of Directors: Vote for TWO!

John Evens

Stan Specht

Phil Brown

Val Gregory distributed the ballots and Scott McEwen volunteered to lead a counting team.

TRIP REPORTS

John Reading flew his 182 to Illinois with a stop in Salina, Kansas (it was icing in Nebraska) . Visited the Presidential Library in Springfield, Illinois, landing in high head winds (25-30 knot landings!)

Stephanie Wells took her RV-7 to Abilene, Texas. It was windy on the return and she passed a frontal boundary at Amarillo. She went from 70° F, sunny, with 15 knot winds to 45° with 30 knot winds and supercooled water droplets icing the plane until she dropped to 200 ft AGL. She had to land at Colorado Springs.

TRIP REPORTS (cont)

Cliff Goldstein flew his RV-14 to Austin, Texas, and verified the high winds in Texas.

Jeff Jones flew his RV-7 to Santa Fe, New Mexico - there was a high wind forecast, but it turned out to be a non-event.

PROJECT REPORTS

Jeff Jones' RV-14A had its first engine start - everything on the EFI engine worked great. The plane passed its FAA inspection and the paperwork is done. Cliff Goldstein suggested flying that afternoon, but there were still a few things to do first. Jeff did make a high speed taxi attempt.

Cliff Hasenbalg said the struts and wings are assembled on the Comp Air build he's helping with, now starting controls.

SAFETY REPORT - Stephanie Wells or Bill Mitchell or...

Stephanie - recently went to fly the RV-7 on a cold day. It still had 100 weight oil and an old battery. As a result the prop wouldn't start. She decided to pull the prop to loosen it up, but neglected to chock the plane. Pulling the first prop blade was slow, but the second resulted in an engine start, which thankfully shut down due to fuel starvation. Steve Paschke commented that his CFI had told him to PULL THE KEYS anytime he got out of the plane and to check for a hot mag at shutdown. Jeff Hinkle was recently at a fly-in where a pilot exited his plane leaving his kids inside - then the prop started due to the kids pushing buttons. The next day the Stearman had tape around it! Cliff Hasenbalg noted that it's getting cold, time to change oil to 20W50, but that the best flying here is during winter.

YOUNG EAGLES - Cliff Hasenbalg

Done for the year, Cliff thanked the volunteer pilots and ground crew. 35 kids are already signed up for the events next March, April, and May. He invited more volunteers to contact him through the Chapter 43 Young Eagles Facebook page, <https://www.facebook.com/Young-Eagles-EAA-Chapter-43-133824303354328/>. Herrill got a thank-you note from one of the Young Eagles he flew, which Cliff read. There are parent comments on the Facebook page, all complimentary. Cliff noted that our Young Eagles program is a big job, but it lets youth experience flying and brings them into aviation.

YOUNG AVIATORS - Scott Serani (whose knees are doing better)

Quiet time right now, interest in Miss World Colorado has brought four new girls into the group. Young Aviators has events coming up including the Longmont Veteran's Day Parade and other Veteran's Day activities. Jeff Jones' drone program was a little awkward the first couple of meetings, but catching on as of today's meeting. Brennan K will be hosting meetings in January and February.

SCHOLARSHIP - Roxie Juul/Zach Malone

Zach followed up with recent awardees - Lindsey Bouregard has finished her license and wants to fly Young Eagles next year. Jay Davis is somewhat stymied because the only flight school

plane with hand controls in Colorado has been down for repairs since summer. Jaden Batts is working on an aviation degree.

AIRVENTURE - Mark Your Calendars!

AirVenture Oshkosh, July 20-26, 2020. We ALWAYS Need Volunteers!

NEW/OLD BUSINESS

Following up on the Young Aviators report, Stan Specht asked who knows about Miss World Colorado - Tiffer Lynn Anderson has a strong interest in aviation according to her Facebook, is interested in aviation events and has an FBO background. See if she'd be willing to attend the banquet, a regular meeting, or a Young Aviators event or meeting?

Cliff talked about the Mentor Program meeting held at 5pm before the member gathering.

Election results: President Cliff Goldstein, Vice Presidents Zach Malone and Scott McEwen, Secretary Val Gregory, Treasurer Myles Lee, Class of 2021 Board of Directors John Evens and Stan Specht.

The meeting closed at 6:27 pm.

Respectfully submitted,
Val Gregory

TONIGHT'S PROGRAM - Jim Dyer, Owner/President of Univair, will present "Univair Aircraft Corporation". Univair owns aircraft Type Certificates for the Stinson 108 and Ercoupe. They hold thousands of FAA Parts Manufacturing Approvals for Aeronca, Champion, Citabria, Decathlon Scout, Cessna, Luscombe, Piper, and Taylorcraft. Jim will speak to us about Univair history & the Dyer family's aviation history, Univair supported aircraft, product lines, seminars, support services, and tips for maintaining our flying stock.

Scott McEwen introduced Jim Dyer as aviation royalty - 3rd generation owner of Univair, founded by his grandfather Eddie Dyer in 1946.

Jim Dyer - Univair is currently located in Aurora. His grandfather and partner Don Vest bought up surplus military planes and repaired and sold them. The company was started at Hayden Field (near Colorado and I70) but needed more space and moved to Sky Ranch at Tower and I70. Sky Ranch was a large airport with 3 runways and large hangars to support military training before the war ended. Univair had a full shop to refurbish T-6s for South America. The partners saw that original manufacturers were shutting down and started buying their tooling and the type certificates for the Ercoupe and Stinson 108. They bought Stinson from Piper and moved all the tooling from Detroit to Colorado. They also purchased other manufacturer's equipment. Jim showed pictures of warehouse space and their prop shop (wood and metallic) in use thru the mid 1980's. In 2002 they added a 5,000 sq ft office and 10,000 sq ft warehouse. The company employed a maximum of 150 workers, with current employment of 38. They have a hydropress, sheet metal shop, 4 axis CNC milling machine, 3 axis tube cutter, CNC laser cutter and paint shop. In the late 50's and early 60's, Don Vest and Universal Aircraft parted ways, Jim's grandfather passed away and his grandmother took over the business. Jim's dad Steve was 16 when Eddie died - he learned to fly in a Taylorcraft and built a Cub/Taylorcraft from parts. Through the 70's Steve came up through the business and took over the company in 1975.

Univair is constantly picking up PMAs (Part Manufacturing Approvals) from the FAA - 65,000+ at present!

Jim got his pilot's license at 18 in 1988 and is still flying his first plane, a Super Cub. In the 1990's Univair started buying CNC equipment. Jim graduated in 1992 with a degree in Industrial Design.

Scott McEwen asked about the current low employment, which is driven by better equipment and fewer planes flying.

Martin Postma asked about international sales, which are holding steady at 20% of the business and include South Africa, Australia, South America, Europe, and Canada.

Cliff Goldstein asked if parts are built to order or stocked, ~30,000 line items are stocked (~2/3 of the full catalog). And yes, they have their own print shop. The catalog includes other services, too.

Dave Shenk asked about competitors - Dakota Cub in South Dakota and Wag Aero among others.

Steve Beach asked about production runs - usually a production run is for 100 units after setup. Setup parts are recycled in house. Jim showed a video made 10 years ago of a facility tour. Univair supports 9 classic aircraft lines and a mix of old and new manufacturing processes. The company maintains thousands of original factory drawings. Other capabilities include plasma tubing machining and a CNC lathe. Large production runs are made of common parts. Most orders are shipped from stock. Tooling includes holding fixtures for welding. They have an 800 ton hydropress and a high-volume paint booth. All parts are inspected to receive PMA marking. Used to have an offset press for catalogs, but upgraded to digital when the offset operator retired. Go to www.univair.com or call/fax/email sales staff for info, questions, and sales. The company has a shipping department with the motto "All parts for some, and some parts for all." They're working hard to set up an online catalog. The tour video was made by John Youngblood.

Martin asked about employee requirements - good employees are hard to find! For shop guys, it's best to hire inexperience and train in house. Work can be repetitive, making one part type for 2-3 days. Univair is still acquiring PMAs.

Mike Geugler asked about Jim's J4 project, which is now ready to assemble.

Someone asked if Univair makes kit parts - they do, for the Legend Cub, Aviat Husky, Cubcrafter, and Super Cub (since sold to the Chinese) as well as supplying raw materials. Not many wood parts, but some. No "kits" to build planes, and no fiberglass parts.

Before leaving, Stan Specht asked if anyone had attended the Centennial fly-in earlier in the day. No one present went.

Parting Shot



When you volunteer at Wings, you get to do cool things like teach Santa to fly a Cessna 172!

Chuck Kubin

EAA CHAPTER 43 BANQUET SIGN UP

ANNUAL CHAPTER BANQUET, JAN. 11, 2020

COCKTAILS AT 6:00 PM, DINNER AT 6:30 PM

COLORADO NATIONAL GOLF CLUBHOUSE RESTAURANT

2700 VISTA PARKWAY, ERIE, CO.

\$20 PER MEMBER, FIRST GUEST \$20

(ADDITIONAL GUESTS \$30.00)

NAME _____

NO. IN YOUR PARTY _____

AMOUNT INCLUDED \$ _____ (PLEASE INCLUDE FULL AMOUNT)

PHONE NUMBER _____

EMAIL ADDRESS _____

PLEASE PRINT OUT AND MAIL THIS FORM AND, IF YOU DID NOT PAY ONLINE, YOUR CHECK (MEMO ON CHECK THAT IT IS FOR THE BANQUET) MADE OUT TO:

**EAA CHAPTER 43
PO BOX 1725
BROOMFIELD CO 80038-1725**





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)	<u> .00</u>
EAA Membership Renewal Date: _____	Total	.00

Are you a:

Technical Counselor	Yes ___ No ___
Flight Advisor	Yes ___ No ___
CFI	Yes ___ No ___

Scholarship donations are tax deductible.

*Please make check(s) payable to:
EAA Chapter 43
P.O. Box 1725
Broomfield, Co. 80038-1725*

NEW MEMBERS PLEASE COMPLETE - RETURNING MEMBERS OPTIONAL INFORMATION: *Supply any information that may have changed from previous year (if you want a field deleted from your record, please tag it).*

E-Mail Address: _____	Home Phone: _____ - _____ - _____
Spouse: _____	Cell Phone: _____ - _____ - _____
Street: _____	
City, State, and Zip: _____	

HOW WOULD YOU LIKE TO BE INVOLVED IN THE CHAPTER?

Participate in Young Eagles functions, either as pilot or volunteer?	Pilot	Yes ___ No ___
	Ground Crew	Yes ___ No ___
Arrange, Or Be, The Program For One Of Our Meetings? -----		Yes ___ No ___
Host A Chapter Meeting At Your Project? -----		Yes ___ No ___
Run for a Chapter Officer Post? -----		Yes ___ No ___
Interested in attending hands-on workshops (under consideration)		Yes ___ No ___

AIRCRAFT INFORMATION:

Note: Status: ---Built, Building, Restoring, Considering, etc.

<u>Make, Model</u>	<u>Status</u>	<u>Based At</u>
_____	_____	_____
_____	_____	_____

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.

2019 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)
 Jeff Jones*
 Zach Malone*
 Pete Watkins**
 Stephanie Wells**

(Note: *- 2 year terms expire end of 2019, **- 2 year terms expire end of 2020)

Volunteer Officers

Technical Counselor	Jim Sutton	303-598-4205
Technical Counselor	John Reuterskiold	303-881-3517
Technical Counselor	Phil Brown (fabric, wood & tube)	303-506-3886
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 Co-Chairs	Roxie Juul	303-466-2600
	Zach Malone	443-610-3469
Scholarship Fundraising	(Volunteer Needed)	

CFI's in Chapter 43

Phil Brown	303-506-3886
Richard Brown	303-558-0793
Mark Davis	303-425-4080
Joe Gilmore	720-318-5100
Jeff Hinkle	303-550-2291
Bill Mitchell	303-427-4025
Tom Shaw	303-275-0904
Mike Sutton	720-515-5269
Stephanie Wells	303-503-0147

Mile High EAA Chapter 43

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EAA Chapter 43
P.O. Box 1725
Broomfield, CO 80038-1725

First Class



Gatherings are normally held on the second Saturday of each month at 6:00 P.M.—Location determined monthly. See Page 1 for details of the upcoming gathering.