

EAA 301 - Rocky Mountain Chapter

December Agenda:
 Jordan Ashley, Director of Programs for Wings over the Rockies

Date: December 15th
Informal meet-and-greet begins at 6:30 p.m. and our meeting will begin at 7:00 p.m.

Location: This month's meeting will be held at our usual place at the Colorado Skies Academy Building at Centennial Airport: 13025 Wings Way, Englewood, CO 80112

The Building is located on the South side of Centennial Airport NEXT TO the Wings Over the Rockies Museum facility and runway 10/28.

Inside this issue:

Presidents Message	1
November Meeting Minutes	2-3
Veep Veep/Announcements	4
DARS/Editor's Cockpit	5
Young Eagles Photos	5-6
Important Information	7
Membership Application	8
Officer Contacts	9

Web: <http://www.eaa301.org>
 Scholarship

Facebook: <https://www.facebook.com/EAA301/>

Contributions: www.gofundme.com/eaa301-scholarships Chapter Email Address: chapter301@gmail.com



President's Message

Hi This is chapter 301 President Steve Paschke,

If you haven't received this invitation to take the EAA chapter survey yet, I have forwarded the invitation to you. Just click on the yellow button.

It is very important that you take 10 minutes and fill it out. Just filling it out helps us improve our chapter standing with EAA. I'm sure we can make silver this year as we hosted the EAA Ford Tri-motor as a public event and we have had multiple picnics where the public was welcome to join us. We have had a few small flyouts (mostly to Greeley) which weren't well publicized and only had 2 or 3 participants, but we will work on that. Please complete the survey by the end of December. It is best to do it right away and not forget about it.

Our new President, Walt Jazun, has many great ideas to revitalize our energy. Walt and the Board have come up with a new meeting format that was very successful at the November meeting so we will continue with it.

The December meeting will be on

President's Message Continued

the 15th, far enough from xmas that we will have one. We will have a speaker, AND I have a trivia game in mind for us involving aircraft (mostly experimental). I would like to ask all of you to participate by attending, and bringing a prize. The prize can be wrapped or not (it's more fun if it is wrapped), new or used, bring 1 or many. Whatever you think would be appropriate.

The meeting will go something like this: 6:30 doors open, socialize until about 7. Visitors, Project, safety and trip reports then the speaker. Another Social break then the game, then the business part of the meeting.

The speaker at our December meeting: Jordan Ashley, Director of Programs for Wings over the Rockies Exploration of Flight will be speaking about the variety of aircraft they have and what's involved in restoring them.

Thank You,

Steve Paschke

October Meeting Minutes

President Steve Paschke called the meeting to order at 7:00 PM. The meeting was held at the Colorado Skies Academy. A new, experimental, meeting agenda was implemented for the monthly meeting. Hugh Cook described how the meeting would flow and the intention to get the majority of our meeting time focused on the primary purpose of the chapter: To promote the restoration, construction and safe operation of sport aircraft. To that end the social time, aka "hangar flying", flight reports, safety, project progress reports and the monthly speaker will be moved to the top of the agenda. This "top of the agenda" portion of the meeting will consume well over half the meeting time. The "business" portion of the meeting will be conducted at the end of the meeting. One motivation for the agenda revamp is to make sure our guests and visitors are immediately exposed to our shared passion for aviation when the gathering begins.

In light of this new meeting format, these meeting minutes will also be somewhat experimental.

Jim Watts announced that coffee and donuts were ready and available at the beginning of the meeting, and many attendees heeded the call.

The top of the agenda began with hangar flying and rolled into the following announcements and reports:

James Taylor has space for an "RV-sized" aircraft in his hangar at KCFO. Several commented that the rental rate was very attractive. If you need a hangar spot contact James.

Lyn Langar has nametags, free to new members and maybe to members who have lost their tags if they have a good story.

Chuck Schumaker, Pilot for Frontier Airlines, has started a Ran's S-21 build. There were audible cheers from the relatively small Ran's contingent of the chapter.

Mark French, a new Chapter 301 member, is building an RV-10 at KCFO. Mark has been flying for 12 years, and has the Van's Quickbuild kits on hand.

Hugh Cook reported that according to the VAF White Pages, there are over 30 RV's at KCFO.

Steve Paschke has his airworthiness certificate in hand for his Adventurer 333. Steve has been taxi testing, fine tuning control linkages and squashing a few minor bugs.

Wayne Robinson is solving some fuel tank leaks on his RV-4. Wayne is making access panels to get at the fuel

tank rivets.

Hugh Cook mentioned that there are pulled rivets from Cherry Aerospace that incorporate proseal for tank repairs. A short discussion of proseal shelf-life cast the expiration date on proseal containers in doubt, with some attendees seeing much longer shelf-life observed if the material is kept in cold storage.

David Gissen and Maud Naroll have their Ran's S-22 back from the paint shop. Maud refers to it as "the taxi" with the yellow color. During the painting process the wing tips were upgraded to carbon fiber tips and David reported that the VOR antenna will have to find a new home on the aircraft.

Dave Hock's RV-7 is back from paint and it is a beauty. Dave is very pleased with the craftsmanship of the Oregon-based paint shop. In the near future Dave will detail his flight back from Oregon in his newly painted aircraft.

Bob Spicer talked about getting 5 hours of flight training from Mike Segar out in Oregon. Bob is transitioning to an RV-8A.

Jim Watts described solving a persistent high engine temperature problem he was having on his RV-7A. Jim built his own exhaust and cowling for the -7A. Closing up some gaps that were opening in flight, causing a significant loss of cooling air flow, solved the problem.

Hugh Cook does not have a cracked cylinder on his RV-8 engine. Hugh pulled the cylinder and LyCon checked it out saying all ok. The hissing sound that led to suspicion of the cylinder remains a mystery. Lyn Langer has been cleaning up the panel wiring on his RV-7A. The panel was built before Dynon had the SV-NET connectivity hubs available and Lyn wanted the maintenance flexibility that a hub provides.

Pat Diamond updated the group on scholarship activities. Hannah Stauffer and Aiden Melhaul, current scholarship recipients, were in attendance. Hannah is very close to her first solo, and Aiden is doing his solo cross country flights. Great progress for both of them!

Pat encouraged members to look at their charitable giving for this year, noting that the scholarship fund matching challenge of \$5,000.00 pledged by chapter member Chris Steiber is still active. Every dollar donated to the scholarship fund is matched 1-to-1 by Chris's pledge. And whatever scholarship funding the chapter raises is then tripled by the Ray Foundation. So every dollar you pledge becomes \$6!

October Meeting Minutes Continued

Finally Pat encouraged meeting attendees to “send qualified flight training candidates his way”. We are not allowed to advertise, so the pipeline of interested students relies on word of mouth.

Dave Hock and Jim Watts shared their experience of flying their RV’s to La Junta, Colorado. The flight is a little less than an hour with a restaurant 1/4 mile from the airfield. They would highly recommend the outing.

Safety discussion led by Pat Diamond reviewed the extra precautions necessary for safe winter operation. Wheel pants can get full of slush and then freeze on a slushy ramp, causing unwanted adventure on landing. Slick/icy ramps and winds can make taxing a challenge. Engine oil temperatures need extra attention in Winter also. Get that oil temp high enough to purge the moisture that leads to condensation and corrosion. Some slow flight and stall recovery practice, or some touch and goes will usually do the trick. Finally, on cold days with the cabin closed up tight we have to be watchful for the dangers of CO. Carbon Monoxide detectors are inexpensive and may save your life.

Presentation:

President-elect Walt Jazun talked about his plans for the chapter in 2024. Walt gave a succinct history of his aviation career, and his experience building and restoring airplanes. One of the goals for the chapter in 2024 is to achieve the “Gold Status” designation from EAA national HQ. Walt detailed the many things the chapter has going for us, and the actions we need to take to up our game.

One very important action that chapter members can take today is to fill out the EAA Chapter Survey. Information on the survey will be emailed (again) to all current members. If you don’t receive the email or have difficulty with the electronic forms, please reach out to a chapter officer or any tech savvy chapter member.

Business Meeting:

Meeting minutes from the October meeting were approved without modification.

Old Business:

Chuck Spaur was reelected to the Chapter 301 Board of Directors for a 2 year term. His current term is expiring and his name inadvertently left off the ballots last month.

Blanche Cohen is continuing to work the details of the annual chapter brunch. Details are expected at the December meeting. Pencil in the 3rd weekend in January

and please stay tuned.

New Business:

At a Chapter 301 board of directors meeting earlier this week it was agreed to create a new chapter officer position, “Director of Communications”. Responsibilities of this position include overseeing the maintenance and usage of the email lists associated with the chapter, and overseeing the content of the chapter website. These duties will entail close coordination with the Membership Coordinator and Webmaster. Further details will evolve over time.

Dave Hock was nominated and unanimously elected to the position of Director of Communications.

Congratulations Dave and thanks for signing up!

Treasurer Hugh Cook reported on the chapter finances. Funding for previously approved scholarships is flowing from EAA National as expected. The chapter hangar at KCFO ran a deficit this month with repair work on the ramp upping the expenses.

Hugh noted that the financial resources of the chapter exceed any anticipated needs and challenged the membership to come up with ideas for activities that support the chapter mission.

President Paschke adjourned the meeting at 9:07PM

Respectfully submitted by

Chuck Spaur

EAA Chapter 301 Secretary

Veep Veep from Our VP

Chapter Activities

Weather cancelled the get-together after the cancelled rally KCFO October rally. Centennial seems to have better weather during the year.

December speaker is Jordan Ashley, Directory of Programs for Wings Centennial (the actual title is much longer). He's got all the right TLAs and specializes in aerobatic instruction.

Young Eagles

The end of the year and everyone is dreading tax time. To make it just a bit less miserable, remember that everything you do for EAA and Young Eagles is a legit donation and is tax-deductible, assuming you can spend more than the standard deduction. This includes your round-trip mileage to/from the airport for rallies and chapter meetings. Those of you who participated in the Ford Tri-motor event – same rules for mileage.

Renting for Young Eagles? Keep the receipt, the rental cost is a donating. Otherwise, avgas and oil for the rally is a donation.

Anti-Airport Activities

Nothing out of the ordinary, the anti-noise, anti-airport groups have been publicly quiet. Guess the offer of unleaded at local airports have appeased them for the time being.

Unleaded Avgas

Whew! Have you seen the price tag at Centennial? On Airnav.com, it's showing up as UL94 on the specific KAPA individual, but if you select the Aviation Fuel tab, it shows as a second FS option.

As per response from Swift Fuels, if your engine and airframe is approved for you can mix 100LL and UL94. The caveat: both the engine and the airframe must be approved, it can't be only the engine. This, of course, only applies to factory aircraft (like my Cherokee) Experimental just need a sticker near the fuel tank to remind you (and the fuel truck, if needed) that it's ok. Swift also insists on a 337 - they can insist, only the FAA can require. Swift does offer a lifetime STC for \$100. For the complete list of aircraft & engines and the STC, check out the Swift database at <https://www.swiftfuelsavgas.com/stc>

For the FAA approval, check out the FAA SAIB HQ-16-05R1 for Fuel Grade UL94 Unleaded Aviation Gasoline.

One additional reminder – weight & balance. Fortunately, as Swift Fuels published, UL94 has an identical density to 100LL, meaning weight and balance calculations will not change by using UL94. The GAMI 100UL requires the STC, a sliding scale based on the engine. Think about it - you're going to pay for an STC to NOT modify your aircraft. Welcome to the logic of the Federal Government. The GAMI fuel is also slightly heavier than 100LL, at 6.2 pounds/gallon. More about the GAMI 100UL next month.

Founders Brunch

Still looking for local options. Thanks to all who've made suggestions, we're evaluating all of them, even visiting the locations that are on the

Veep Veep from Our VP Continued

"definitely possible" list. Please don't stop making suggestions – never know when a location will be just right for us. Final decision will be announced at the December meeting on Friday, Dec. 15.

Chapter Calendar

Jan 17 TBD

Young Eagles Schedule for 2024

Jan-20 KAPA

Jan-27 KCFO

Feb-17 KAPA

Feb-24 KCFO

Mar-16 KAPA

Mar-23 KCFO

Apr-20 KAPA

Apr-27 KCFO

May-18 KAPA

May-25 KCFO

Jun-15 KAPA

Jun-29 KCFO

Jul-20 KAPA

July NO KCFO

Aug-17 KAPA

Aug-24 KCFO

Sep-21 KAPA

Sep-28 KCFO

Oct-19 KAPA

Oct-26 KCFO

Nov-16 KAPA

Dec-21 KAPA

Announcements:

- ◆ We are still matching donations from Chris Stieber's generous offer to match up to 5,000 dollars! Please consider donating to our scholarship fund, and it'll help you with your taxes! Talk to Hugh for more details.
- ◆ Please fill out the Chapter survey if you haven't already. The link is:

<https://go.eaa.org/OTeWLVNFVS0wNzMAAGPTxBXkLdp3UlpjQrQKkWwvdau5jnZ0yBT8E6BhCFUCxoujF4SHxiwGC9vNJWOFrblquHf3w=>

FAA DAR's in Colorado

City	Last Name	First Name	EAA Member Recommended	Phone Number
Crawford	Hanna	George	Yes	(970) 921-4286
Byers	Husted	Robert	Yes	(303) 822-9890
Elbert	Jordan	Joseph	Yes	(719) 495-0887
Pagosa Springs	Serkes	Keith	Yes	(303) 828-3844
Pueblo	Walden	Ben	Yes	(719) 251-6522

Important EAB Regs and Advisory Circulars

This section provides information about the pertinent Federal Aviation Regulations (FARs), Advisory Circulars (ACs), and other key information regarding the building and flying of experimental amateur-built aircraft.

FARs

91.319— Aircraft having experimental certificates: Operating limitations.

21.191— Experimental certificates.

Part 68—BasicMed

ACs

AC 20-27G

Certification and Operation of Amateur-Built Aircraft
AC 90-109 93

Airmen Transition to Experimental or Unfamiliar
Airplanes

AC 90-89 Amateur-Built Aircraft and Ultralight Flight
Testing Handbook

AC 90-116

Additional Pilot Program for Phase I Flight Test

AC 68-1

Alternative Pilot Physical Examination and Education
Requirements (Basic Med)

AC 43.13-2B - Acceptable Methods, Techniques, and
Practices - Aircraft Alterations (aka The Builders
Bible)

From the Editor's Cockpit

Happy December! If you have a video, article, photo, or anything else you wish for me to include for next month, please reach out to me at stauffer804@gmail.com. Please try and have anything you want me to include to me no later than the Saturday before that month's meeting. I would love to get some AirVenture Pictures for the next issue!

- Hannah

Did you know that.....

You can get online versions of EAA magazines for Sport Aviation, The Experimenter, and other Specialized field magazines with additional content and more in depth information than is available in the printed version by subscribing to them at <http://www.eaa.org/experimenter> and <http://www.sportaviationonline.org/sportaviation/> (EAA members only)

You can attend regularly scheduled EAA webinars covering a variety of topics, or review archived webinars on www.EAA.org/webinars

You can get online builders assistance from the EAA Hints for Homebuilders Videos at www.EAAVideo.org

You can tap into other sources of information in EAA discussion forums by signing up at <http://eaaforums.org/forum.php>

Learn more about EAA Airventure at www.AirVenture.org.

Find much more information about building and flying your own aircraft on www.EAA.org

EAA SportAir Workshops are an excellent way to get hands on experience with a variety of different skills, and is well worth the expense IMHO. Check out the latest courses, dates and locations at www.SportAir.com.

KAPA Young Eagles November 18th Part 1



KAPA Young Eagles November 18th Part 2



Chapter Tools

Randall Eaker is our Chapter tool custodian. If you need to check out a tool for your project please contact him.

Scales

- Aircraft Spruce type
- Electronic/strain gauge type
- (7) - 50 LB cast iron slugs for calibration

Fire Wall Forward

- Oil filter cutter
- Tubing bead-ers: 3/8" & 1/2"
- Tubing bender
- Continental engine valve lifter tool
- Magneto timer
- Top dead center finder
- Tube flaring tool
- 1/2" cylinder wrench. 9/16" cylinder wrench
- Compression tester
- Bore scope
- Pliers, hose spring clamp
- Temperature measuring device (wide range)
- Prop Balancer

Airframe

- Nicopress sleeve tool 53XPJ with gauge
- Nicopress sleeve tool 64CGMP without gauge
- De-burring tool
- Hole flanger - sheet metal
- Electrical connector squeezers
- Panel knock-out punches
- Rivet squeezer - w/two new die sets
- Torque wrenches (2), (large and small)
- Hose clamp pliers
- Tubular rivet set for 1/8" rivets
- Drill guide for drilling cotter pin holes through bolts
- 3x pneumatic rivet gun
- 90 deg.pneumatic drill size 30 bit only.

- air blower gun
- 1/4 inch hose mandrel
- Pneumatic blind rivet puller
- High voltage wire tester

Popular Forums and Web Sites

I am starting a new section in the newsletter that will contain links to popular forums and websites that are utilized by our members in support of building and flying experimental aircraft. If you have a recommendation please send it to me and I will be happy to include it here.

EAA HQ: www.eaa.org

EAA Airventure: www.eaa.org/airventure

Vans Aircraft: <http://www.vansaircraft.com>

Sonex Aircraft: <http://www.sonexaircraft.com>

Vans Air Force (VAF): <http://www.vansairforce.net>

Kitplanes: <http://www.kitplanes.com>

Mustang Aircraft: <http://www.mustangaero.com/>

Cleveland Aircraft Tool: www.clevelandtool.com

Got more space to fill here—waiting for more links for member build sites, EAB kit manufacturer or builder support web sites, etc. Send me a link that you would like to see added here!

Disclaimer: Be aware that as always, in past, present, and future, any communications issued by Experimental Aircraft Association Chapter 301, regardless of format, and/or media used, which includes, but is not limited to, this newsletter and audio/visual recordings, is presented only in the context of a clearing house of ideas, opinions, and personal experience accounts. Anyone using ideas, opinions, information, etc., does so at their own risk. Therefore, no liability is expressed or implied by the Experimental Aircraft Association Chapter 301, or any of its members. Any event announced and/or listed herein, except as noted, is done as a matter of information and does not constitute approval, sponsorship, control, or endorsement of said event.

2023 Membership Enrollment Information

MANDATORY INFORMATION: If nothing has changed from last year, this is all the information required.

Date: ___/___/___

Annual Dues for 2023 \$20.00

Name: _____

Scholarship Donation (Optional)_____ .00

If you have a National EAA Membership #,
please provide it: _____

Total .00

Scholarship donations are tax deductible.

Are you a:

Technical Counselor Yes ___ No ___

Flight Advisor Yes ___ No ___

*Please make check(s) payable to:
EAA Chapter 301, C/O Hugh Cook
6477 S Walden ST
Aurora, CO 80016*

NEW MEMBERS PLEASE COMPLETE—RETURNING MEMBERS OPTIONAL INFORMATION: Supply any information that may have changed from previous year.

Spouse: _____

E-Mail Address1: _____

Street: _____

E-Mail Address2: _____

City, State and Zip: _____

Home Phone: _____

Cell Phone: _____

Expertise: _____

Work Phone: _____

AIRCRAFT INFORMATION:

Note: Category—Standard, Experimental, Ultralight, Light Sport, War Bird, etc.

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

<u>Make, Model</u>	<u>Category</u>	<u>Since (YR)</u>	<u>Status</u>	<u>Based At</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

HOW WOULD YOU LIKE TO BE INVOLVED DURING 2023?

- Run for a Chapter Officer Post? Yes ___ No ___
- Arrange, Or Be, The Program For One of Our Meetings? Yes ___ No ___
- Host a Chapter Meeting at Your Project? Yes ___ No ___
- Work as a Volunteer for 2023 Builders Workshop (if there is one)? Yes ___ No ___
- Participate in Young Eagles Functions, Either as Pilot or Volunteer? Pilot Yes ___ No ___
Ground Crew Yes ___ No ___

If you prefer to receive the newsletter by Snail Mail, check here. ___ (The monthly newsletter is delivered via E-Mail (unless otherwise requested). We also send out periodic news items by e-mail.)



EAA 301 - Rocky Mountain Chapter
www.eaa301.org

First Class

Chapter Mission:

To Promote and Encourage the Restoration, Construction, and Safe Operation of Sport Aircraft.

This newsletter is published by Chapter 301 of the Experimental Aircraft Association for the use, education, and enjoyment of the members and others to whom it is provided. No claim is made for technical accuracy of material presented. Editorial content is the opinion of the contributor and does not reflect the position of Chapter 301 or the Experimental Aircraft Association.

Submission of articles for publication in the newsletter, comments, or inquiries are encouraged.

Meetings are normally held on the third Friday of each month at 7:00 PM. During the COVID Pandemic, meetings may be held virtually via Zoom. If you are prospective new member and would like to attend our virtual meetings, Contact a chapter officer or member listed below to obtain the link to join the meeting. We would love to have you!

Current Officers:

President: Steve Paschke (720)236-7869
Vice-Pres: Blanche Cohen (303) 475-7700
Secretary: Chuck Spaur (720) 934-3427
Treasurer: Hugh Cook (949) 353-7588

Board of Directors:

Steve Paschke (720)236-7869 - Chairman
Pat Diamond (303) 886-9122- 2023
Randall Eaker (720) 870-3874 - 2024
Chuck Spaur (720) 934-3427 - 2023
Russ Grell (303) 502-7375 - 2024

Technical Counselors:

Jim Elliott (303) 725-4279
Arlan Grover (720) 938-0666
Hugh Cook (949) 353-7588

Volunteer Officers:

Membership Coord:
Russ Grell (303) 502-7375
Hangar/Tools Custodian:
Randall Eaker (720) 870-3874
Newsletter Editor:
Hannah Stauffer (720) 520-4640
Name Tags: Lyn Langer (303) 809-2516
Safety: Pat Diamond (303) 886-9122

Mtg Facilities: Ralph Forsythe (303) 907-7499

Refreshment Chairman:

Jim Watts/John Tedder
(228) 860-0609/(303) 663-7851

Flight Advisors:

James Taylor (303) 748-0231
Arlan Grover (720) 938-0666

Webmaster:

Scott Wilson (951) 206-4079

Young Eagle Coordinator:

Blanche Cohen (303) 475-7700
GS Coordinator: Blanche Cohen (303) 475-7700

Scholarship Committee:

Pat Diamond (303) 886-9122- Chairman
Don Shipman (303) 971-0435
Dagmar Kress (303) 887-4473