

# EAA 301 - Rocky Mountain Chapter

**May Meeting Agenda:**

**Program:** Nelson Wolfmeier, FAA Safety Team Program Mgr, "Please copy down this number"  
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**Date:** Friday, May 19, 2023

**Time:** 6:30pm informal meet and greet, and 7:00pm Meeting Start

**Location: In Person**

The IN PERSON meeting will be held at our new meeting 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.

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

**Scholarship**

**Contributions:** [www.gofundme.com/eaa301-scholarships](http://www.gofundme.com/eaa301-scholarships)

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

**Chapter Email Address:** [chapter301@gmail.com](mailto:chapter301@gmail.com)



**President's Message**

I received a donation of various pilot training books from Bob Reddish. He is not a 301 member. He found us on the web and gave me a call. It seems he didn't finish his private pilot license, but was very close with 57.8 total hours. Perhaps his books and flight calculator can be awarded to a scholarship winner. Let's encourage our friends that are taking the training to not give up. It may be as simple as giving them a ride. We can also help each other by being a safety pilot and riding along with someone that may be a little rusty. If you are a little rusty don't be afraid of asking someone to ride along. If you are a more rusty, find a cfi to ride with you. Get a little training. Everyone knows one or two. If you have an airplane, I encourage you to also invite a chapter member that doesn't to ride with you to get that hamburger. Maybe even to help you with your annual inspection. I find it interesting to see whats under the paint in other aircraft. A second set of eyes is always safer.

The second thing I wanted to say

**President's Message Ctd.**

is about phase 1 testing. In april, the FAA updated AC 90-89C - Amateur-Built Aircraft and Ultralight Flight Testing Handbook. This AC provides suggestions and safety-related recommendations primarily to assist amateur-built aircraft and ultralight vehicle builders in developing individualized flight test plans. It also provides guidance for Experimental Light-Sport Aircraft (ELSA) flight testing after modifications to the aircraft. It provides recommendations and suggestions you can combine with other sources on test flying, such as the aircraft plan/kit manufacturer's flight testing instructions and other flight testing data. This will help you develop a detailed flight test plan, tailored for your aircraft or ultralight vehicle and resources. The contents of this document do not have the force and effect of law and are not meant to bind the public in any way, and the document is intended only to provide information to the public regarding existing requirements under the law or agency policies.

Look it up here: [https://www.faa.gov/documentLibrary/media/Advisory\\_Circular/AC\\_90-89C.pdf](https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_90-89C.pdf)

- Steve Paschke

## April Meeting Minutes

President Steve Paschke called the meeting to order at 7:04 pm. The meeting was held at the Colorado Skies Academy near Centennial Airport (KAPA). Minutes of the March meeting were approved without modification.

### Treasurer's Report

Treasurer Hugh Cook reported a "slow month" for chapter finances. Account balances are largely unchanged.

### Old Business

AirVenture was discussed with 14 meeting attendees planning to make the pilgrimage to Wisconsin this Summer. Hugh Cook is planning to be there camping for the week and encourages other chapter members to coordinate with him as their plans develop. In a clear sign of Spring, excitement is building for the event.

### New Business

Russ Grell pointed out some negative publicity in the local press around traffic noise and possible lead pollution at KAPA. The groups pressing this story are supported by a national organization and are generally focused on restricting operations and eventually closing GA airports. After some discussion the general consensus was that as supporters of aviation we need to make our voices heard. The economic benefits of airports like KAPA are well documented and that side of the discussion must be prosecuted with vigor. Aviation enthusiasts are encouraged to reach out to their representatives and remind them of the value aviation brings to our community.

On a brighter note, Russ displayed a copy of the recently released RV Maintenance Handbook by Vic Syracuse. Russ gave the book a strong recommendation. Published early this year, the book is available at pilotshop.com, thebookpatch.com and other online book sellers.

President Steve Paschke met with officials from the Exploration of Flight group at the Wings Over the Rockies at Centennial Airport. Cooperation and Chapter 301 participation in Wings Over the Rockies events is being planned.

### Guests and Visitors

None this month. A good crowd of regulars were in attendance.

### Project Reports

Marcus Cooper reported his team (Marcus and his wife) had completed the condition inspection on the RV-10. And the backlog of their RV-14 kit orders is breaking and numerous RV-14 kits have arrived. Their RV-14 empennage is coming together.

## April Meeting Minutes, Cont'd.

David Gissen continues the flight testing of his new Rans S-21. Radio bugs that turned out to be antenna bugs have been solved, and some good Colorado flying weather is anxiously awaited.

Mark Peiffer is building a Tango Gyrocopter. This tandem 2-seater looks like a lot of fun. Mark is working through some parts sourcing challenges.

Steve Paschke is very near making the call to get his Adventurer 333 inspected. Steve is getting his paperwork squared away and going over the aircraft "one more time".

### Flight Reports

Marcus Cooper and his wife reported getting rides in a P51 Mustang. Wow.

### Young Eagles

Blanche gave a detailed rundown of Young Eagles activities. There are a couple of special Young Eagles coming up over the next few months, see Blanche and this newsletter for more details. As always, if you'd like to participate in this awesome program, either as a pilot or ground crew, please talk with Blanche.

### Scholarship Report

Chris Stieber is a strong supporter of young people pursuing their aviation dreams. In a very generous demonstration of his support, Chris has pledged \$5000.00 to the Chapter 301 Scholarship Fund in a fund matching challenge. Chris will match donations from other members this year up to this amount. If you'd like to participate in this great opportunity to support young people in aviation, make your donation soon. Pat Diamond, Chapter 301 Scholarship Committee chairman, can provide all the details for your tax advantaged gift.

Pat also reported that Hannah Stauffer, Chapter 301 newsletter editor has submitted her app for a Ray Scholarship and the paperwork is in process. Also, new candidates are being interviewed for other upcoming scholarship opportunities. If you know of a young person interested in flight training, please refer them to Pat Diamond.

### Safety Briefing

Pat Diamond talked about the value of having a 2nd set of eyes looking at your airplane project. Whether you're doing maintenance or building, having an experienced friend look over your work can be very beneficial. The chapter has tech councilors and many builders who are happy to look things over. A 2nd set of eyes pointing out what you might have missed can save a lot of work down the road.

## 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)

## John Tedder Taking a break from working on his Condition Inspection of his RV7



## Announcements:

► There will be a second chapter barbeque after the May 27th Young Eagles Rally, hosted in Walt Jazun's Hangar. Details were sent out via email from Jim Watts.

## From the Editor's Cockpit

Happy May! 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](mailto: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.

- 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](http://www.EAA.org/webinars)

You can get online builders assistance from the EAA Hints for Homebuilders Videos at [www.EAAVideo.org](http://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](http://www.AirVenture.org).

Find much more information about building and flying your own aircraft on [www.EAA.org](http://www.EAA.org)

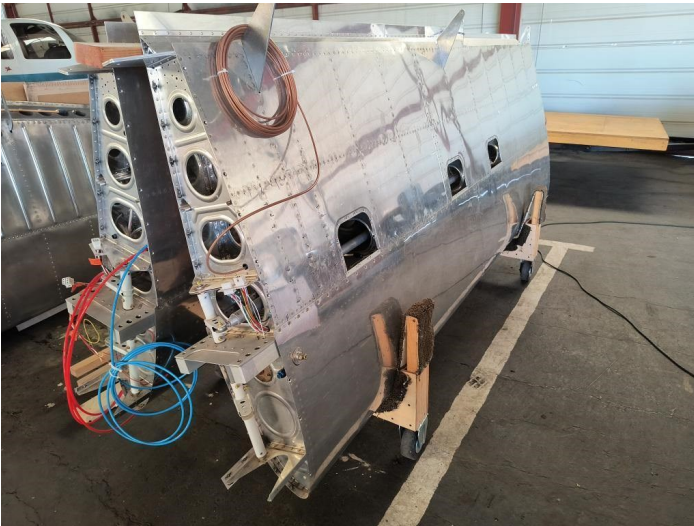
EAA SportAir Workshops are an excellent way to get hands on experience with a variety of different skills, and is well worth the expense IMHO. Check out the latest courses, dates and locations at [www.SportAir.com](http://www.SportAir.com).

### 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

### Advertisements

Chapter 43 is selling a special arrangement for an RV14A kit build. The aircraft is part of a Young Aviator project with the sole purpose to sell it and eventually build "possibly" an RV-15 when it comes out. More details can be found in document attached to this email. See the images below:



## EAA Chapter 301 KCFO Young Eagle Rally April 29, 2023



### EAA Chapter 301 BBQ April 29, 2023



## From Blanche Cohen

Month #3 in the position of VP. Hugh Cook and Jim Watts are leading the way for more social activities. They hosted a great picnic/bbq after the April Young Eagle event. We have multiple locations where many of our members are based, so why not have more than one brunch or more than one picnic a year? No need to do everything yourself, Hugh, Jim and I are always available to help.

In the works: A mini-hands-on event, something similar to an EAA SportAir Workshop. One morning or afternoon at a local hangar - probably CFO because so many of us are based there but all things are negotiable.

### Chapter Meeting Programs:

May 19 - Nelson Wolfmeier, FAA Safety Team Program Mgr, "Please copy down this number"

June 16 - Dr David Schall, MD MPH FACS, AME on Spatial Disorientation

July 21 - Prep for Airventure

Aug 18 - John Berens (FAA), Owner Maintenance - Experimental v Standard and all the differences

Clint Crookshanks's presentation about the P-51 crash at Reno will also return later this year to talk about his involvement with the Columbia shuttle investigations.

I'm also in talks with a local aviation attorney to speak about all sorts of legal stuff. More when it's scheduled.

Got suggestions for future meetings?

Sept 15 - TBD

Oct 20 - TBD

Nov 17 - TBD

Dec 15 - TBD

Young Eagles

We got a thank you note from the Boy Scouts who flew with us in April. With all the negative news about kids, this is a reminder that most are really good kids.

June 10 is International Young Eagle Day. But since June rallies are already on the calendar, doesn't affect our schedule or plans.

Are you planning to be at AirVenture? Lots of Young Eagle activities during the show. If you're part of our ground crew, the Corn Roast on Thursday, July 27 if just for you. Who said HQ doesn't appreciate non-pilots? Other YE opportunities include the Welcome Center, the Awards banquet and the Blue Barn. There's always a need and room for volunteers at AirVenture.

Allow me to "volunteer" Hugh to be our point-dude for volunteer stuff at AirVenture. He'll be there before, during and probably after the show and knows all things, including the best places on the field.

Young Eagles Schedule for 2023: Please note the special event Wednesday, July 19!

Month	Ground Rally.	Participants	
May	26	27	Naval Sea Cadets and TrueNorth homeschool
June		24	Colorado Skies Academy
July		19	ACE Academy for the FAA
August	25	26	Boy Scouts & FlyGirls
Sept	22	23	Naval Sea Cadets & More Boy Scouts
Oct	27	28	Denver Public Schools & Adams County Schools

We're already scheduling 2024. January 27, 2024 are the Naval Sea Cadets. If you know of a group (school, scouts, anything else) interested, you got my email.

## 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 beadings: 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](http://www.eaa.org)

**EAA Airventure:** [www.eaa.org/airventure](http://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](http://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](http://www.eaa301.org)

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## 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