

# EAA CHAPTER 301

OUR MISSION: TO PROMOTE AND ENCOURAGE THE RESTORATION, CONSTRUCTION, AND SAFE OPERATION OF SPORT AIRCRAFT

May Guest Speaker | Dagmar Kress - Aerobatics, Stalls, and Spins oh my!



## Gathering Details

Date: **May 17th**  
 Informal meet-and-greet begins at 6:30 p.m. with pizza and our meeting will begin at 7:00 p.m.

Location: South Metro Fire Rescue. The address is 9195 E Mineral Ave, Centennial, CO 80112



## Presidents Message:

I hope you are enjoying the new format of our Chapter newsletter. I would like to thank our Communications Director Dave Hock for the time and hard work that he put into creating the new look.

It is through the hard work of members like Dave, and many others, that we are seeing early signs of improvement in all areas- Social, Aviation and Education, that's allowing our Chapter to grow and move forward in the quest for the Gold recognition.

The monthly gathering this coming Friday features Aerodynamics and Aerobatics with Dagmar Kress as a guest speaker. Dagmar is an experienced pilot and a friend of the Chapter. I'd like to invite you to join us, starting with pizzas at 6:30pm.

The Chapter is hosting a pancake breakfast at the Colorado Air and Spaceport on Saturday, May 25th. We are looking for volunteers to help make this event a success. Please consider joining us.

June 8th is International Young Eagles Day. Tom Letts, our Chapter's Young Eagles coordinator, is planning that month's rally at Spaceport in the morning.

Following the rally we have our annual EAA Chapter 301 barbecue.

As in the past, the Chapter will be providing burgers, brats, hot dogs, buns and soft drinks. Please consider bringing a side dish to share and enjoy the camaraderie of your fellow Chapter members.

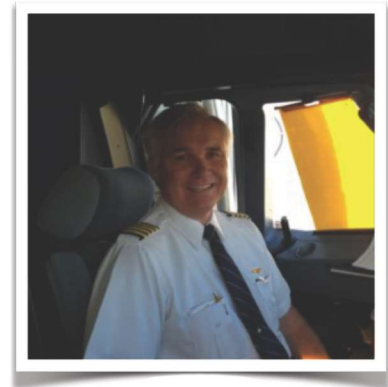
As the weather gets better for flying, we are planning fly outs to different destinations in the region. We will announce them via email. Come join us!

Looking forward to seeing you Friday!

Be safe!

Walt

*"Aviation in itself is not inherently dangerous. But to an even greater degree than the sea, it is terribly unforgiving of any carelessness, incapacity, or neglect." – Captain A. G. Lamplugh, British Aviation Insurance Group (early 1930s)*



## VP Report:

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The VP position is open, we are looking for an enthusiastic member who is interested helping lead the chapter with new ideas and energy.

From the April meeting minutes: *"The Vice President position is currently vacant and President Walter Jazun encouraged chapter members interested in getting more involved in our growing chapter to get in touch with him. The VP is traditionally responsible for coordinating the programs for the monthly meetings. Currently the calendar for meeting presentations is booked through October, and member ideas for programs have been plentiful. Talk with Walt for more details on this important role."*



## Builder Spotlight: Marcus Cooper RV14

I ordered RV-14 number 141297 just before Oshkosh '22 in an effort to beat the rush of orders that immediately follow the show. Our RV-10 has been a faithful steed for the past 17 years but our mission has changed having moved to Colorado and I just had the bug to

start building again. With all of the delays due to COVID and the shipping issues I opted to order all of the kits at once with the intent of working on whatever showed up. The tail kit arrived in December, but in early 2023 the shipping logjam started to break and I suddenly received both the wing and fuselage kit together in April (saved a lot of shipping



costs) and the finishing kit in June. With boxes piling up I tried to keep the full court press on in getting the projects completed. My wife, Rhonda, has been not only an ardent supporter of my 6th project, but also a willing hand to help when needed. She attended [Hugh Cook's](#) sheet metal class at Oshkosh '22 and has been integral in keeping the progress moving. She also showed our youngest daughter, Stephanie, some tricks of



the trade while she was visiting so the student has become the master! The current status has the tail and wing kits done and the fuselage rapidly nearing completion. We just did the "Big Join" and today the parts are arriving to create the 'rotisserie' to facilitate getting the rest of the work done. June should see the wings and empennage making their way to the hangar hopefully followed by the fuselage to join

with the engine and prop which we await its arrival. As with all airplane projects, I expect to have it all completed on 'Tuesday'. Rhonda and I sincerely appreciate this chapter, the activities and particularly the amazing people that lead and participate. It has been remarkably motivating and a breath of fresh air compared to other chapters I've been a part of.

**Marcus & Rhonda Cooper**  
**RV10 and soon to be RV14!**

## Upcoming Chapter Event:

KCFO Fly-in Pancake Breakfast on Saturday May 25th 7:00 - 12:00 (for chapter volunteers).

We are the key sponsor and supporter at this event with the airport and need your help and commitment to make this a success for Chapter 301! We will have a sign up sheet for various roles and will need at least 10 members committed to helping out at the event. We will review the jobs we need to fill at the monthly gathering.

FYI: The FBO will be offering \$.25 off the self serve price and \$.50 off the full serve price for attendees..

**40 Years**  
 AIR AND SPACE  
 FTG  
 1984-2018  
 CFO  
 2018-2024

**COLORADO AIR AND SPACE PORT**  
*Fly-in Event*

**WHEN:**  
**SATURDAY, MAY 25 | 8-11 A.M.**

**WHERE:**  
**TERMINAL AT COLORADO AIR AND SPACE PORT**  
 5200 Front Range Pkwy, Watkins  
*Chow down on some good ol' pancakes, mingle with community members, and see some beautiful airplanes. Fuel discounts during the event.*

**EAA CHAPTER 301 BREAKFAST**  
 8-11 a.m.  
*Proceeds benefit educational and science resources to the local community, including from Young Eagles program first flights to youth.*

**FAA WINGS SEMINAR:**  
*Managing In-Flight Emergencies with Bob Brown*  
 9 a.m. in the Terminal Upstairs Conference Room

*Event is outdoors. Should the weather not cooperate, we will cancel the event 24 hours in advance.*

**EAA CHAPTER 301**  
 ROCKY MOUNTAIN CHAPTER  
 EAA301.ORG

**COLORADO AIR AND SPACE PORT**



## Fly-Out Day Trips:

If you are looking for some fun ideas for day trips, Colorado Pilots Association has you covered!



Day-Trips webpage [https://coloradopilots.org/content.aspx?page\\_id=22&club\\_id=612720&module\\_id=500175](https://coloradopilots.org/content.aspx?page_id=22&club_id=612720&module_id=500175). This is a free resource, and it includes ideas of where to fly into and what to do there Check it out next time you're in need of something fun to do!

### Member Suggested Trips:

- ◆ KITR, Kit Carson, less expensive fuel, crew car to The Dish Room for lunch, opens at 11:00.
- ◆ KLHX, LaJunta, walk to The Fairway for Breakfast/Lunch. Only about 1/4 mile walk, opens at 11:00.
- ◆ KPUB, Pueblo, check out the Weisbrod Aircraft museum on the field.
- ◆ KSBS, Steamboat, beautiful flight over Rollins Pass, great airport and crew car available to go to Winona's for awesome breakfast/cinnamon rolls!
- ◆ 4V1, Spanish Peaks, cheap fuel and crew car available to into Walsenburg for burgers at Georges Drive-In.
- ◆ KGXY, Greeley, Barnstormers Restaurant
- ◆ KLBL, Liberal KS, Mid-America Air Museum located at a former B-24 training base and later Beechcraft factory, crew cars available. Longer trip but worth the visit.
- ◆ KAKO, Akron, Miss Bea Havin Restaurant, opens at 11:00, artisan pizza and sandwiches!
- ◆ Have an idea? Send to the editor



Lyn, Jerry, David, Dave, Dennis, Mike, Chuck  
at Barnstormers 5-11-24

### 301 Marketplace:

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- FOR RENT: Large 50x60 hangar at KCFO bathroom with shower and heated. Full rental only, no partial. \$2,000/month. Contact Andy Irwin 303-324-6828
- FOR RENT: Space in Howie Cammack's hangar at KCFO, contact Howie at 303-601-7979 for details.
- FOR SALE: Two items. 1.) Garmin 430 non-WAAS GPS/NavCom 14/28V. Recently refurbished by Garmin with 8130, flight tested then removed for upgrade. Includes new installation kit with connectors. Includes both Garmin and Jeppesen USB programmers. \$3,800. 2.) Mac 1700VTX digital memory Nav/Com radio with tray, working when removed for upgrade. Install as-is or slide in replacement for KX170. \$800. Pictures available on request, email Ralph Forsythe at [forsytheralph@gmail.com](mailto:forsytheralph@gmail.com) or call/txt 303-907-7499.
- FOR SALE: ITEM #1.) Transponder. Bendix King KT 96A. P/N 066-1062-0000R-17. Includes tray and connectors. 14 volt. Fully functional when removed. \$150. ITEM #2.) Panel mount GPS VFR navigator. II Morrow Apollo 820 Flybuddy. P/N 430 6025-000. Includes GPS antenna (AeroAntenna P/N AT 575-9), data card, tray, connectors, laminated quick reference guide, and installation and user manuals. 14 or 28 volts. Fully functional when removed. Rock-solid performance. \$200. Contact: John Ley at 303 771 6527
- WANT TO BUY: Tip up canopy frame for RV-6. Assembled, repairable or some or all of the parts to build one. Frame for an RV-7 or -9 might work. Contact: John Ley at 303 771 6527

The Marketplace is for aviation related items you WTB, sell, trade, rent, giveaway or donate to the chapter tool box. If you have some tools not needed, spare parts, unused avionics, hangar space or other aviation related stuff collecting dust that might help others let us know!

All you need to do is send a note to "[EAA301Membership@gmail.com](mailto:EAA301Membership@gmail.com)" **by the Friday before the meeting** and we will publish it in the next newsletter.



## General Announcement's:

### NEW: WAITLIST FOR THE CHAPTER "COMPLETION" HANGAR at KCFO

If you have an aircraft project that is nearing completion and you require space to perform final assembly the chapter is starting a wait list for the next tenant. The chapter hangar will be available for occupancy in June 2025. Summary terms of the hangar are as follows (detailed lease agreement to be shared on request):

- 12 months term with a 6 month extension option with approval of chapter board
- Month rental to be determined based on market conditions
- Tenant is responsible to utilities
- Only aircraft construction and assembly is allowed in the hangar, storage of materials other than related aircraft components is not allowed

Please send your name, what your project is and status to [eea301membership@gmail.com](mailto:eea301membership@gmail.com) if you want to be considered for the hangar. This is on a first come first serve basis beginning June 1, 2025.

- **Mark your calendar NOW. On June 8th we will hold the annual 301 BBQ at the chapter hangar. We are planning on pot luck with main dish provided, details to follow soon.**
- Please send your 2024+ dues to Jim Watts via cash or check. It is \$25 this year.
- List of **Chapter Tools** available for use are now listed on the website. Randall Eaker is our Chapter tool custodian. If you need to check out a tool for your project please contact him. For the detailed list see: <http://eea301.org/tools/>

### Spanish Peaks:

Walsenburg CO (4V1)  
day trip for burgers and "cheep" gas!



## Operation Maintenance, Hints & Tips:

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We are seeking articles on general or major maintenance you've done. We've all learned some very valuable tricks along the way maintaining you EAB or Certified aircraft. Don't be shy, save a fellow aviator skinned knuckle or time saver!

From: Dave Hock

TIP learned while doing the Vans Service Bulletin SB00036-R3 (Cracking in horizontal stabilizer rear spar at outboard elevator hinge brackets). To do the SB you have to take the elevators off to gain access to the brackets you need to change. The inboard elevator horns have a washer stack to where the push rod connects and keeps it centered. This is a bit of a "black hole" and recovering dropped washers in the tail cone a pain in the \_\_\_\_.

Simple solution, use some Fuel Lube to hold the washer stack together. Easy to get everything back in place where it should.



New doubler and hinges installed with solid and Cherry Max rivets. Important and easy SB to compile with especially before paint.... BTW, no cracks in the spar found :-).





## Minutes from April Gathering:

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President Walt Jazun called the meeting to order at 7:10 PM. Many of the attendees had arrived about 6:30 to enjoy pizza and fellowship. The meeting was held at the South Metro Fire Rescue building in Centennial Colorado.

Meeting minutes for the March 15 chapter meeting were approved.

### Old Business:

David Gissen and Chris Steiber have taken over the Safety Officer position, enabling Pat Diamond to focus his efforts on the Chapter 301 Scholarship work.

The Vice President position is currently vacant and President Jazun encouraged chapter members interested in getting more involved in our growing chapter to get in touch with him. The VP is traditionally responsible for coordinating the programs for the monthly meetings. Currently the calendar for meeting presentations is booked through October, and member ideas for programs have been plentiful. Talk with Walt for more details on this important role.

### New Business:

A Chapter 301 workshop presenting the basics of working with fabric is planned for tomorrow, April 20. This is the latest in a series of builder workshops. If you have a builder topic you'd like to see covered or expertise in an area of interest to builders, please run your ideas by Walt. We have a lot of building experience in

Chapter 301 and workshops are a great way to pass that knowledge along.

The 40th Anniversary of Colorado Air and Spaceport, formerly known as Front Range Airport, will be held April 27 at KCFO. Chapter 301 will be supporting the event and more details will be shared very soon. There will also be a FAA Wings Program seminar presented in conjunction with the event.

In May Chapter 301 will be having a pancake breakfast at KCFO, details will be coming soon in a chapter email.

Jim Watts gave a brief presentation on a recent flight he and Dave Hock made in their RV's to Walsenburg CO (4V1). Beautiful scenery, especially on the return flight over the Great Sand Dunes and San de Cristo Mountains. This was a nice segue into Tim Sale's presentation on Density Altitude and Mountain Flying.

Tim Sale is a long-time flight instructor who specializes in training pilots to safely operate light aircraft over mountainous terrain. Tim covered density altitude, how it is calculated and the effects high density altitude has on aircraft and human performance. With Summer fast approaching and with it higher density altitudes, this was a thorough and timely presentation. Thanks Tim!

After the presentation and a short coffee break, Russ Grell shared that the chapter has once again surpassed the 100 member mark. Sport aviation is going strong in Chapter 301.

President Jazun welcomed Sam Michael to the meeting. Sam is an engineer with a penchant for building things, currently employed by the United Launch Alliance.

Pat Diamond reported on the Chapter 301 flight training scholarship activities. Hannah and Aiden, current scholarship recipients, continue to progress toward their private pilot check rides. Some cooperation from the weather would be helpful, the Spring windy weather has slowed progress at times. Pat is currently seeking candidates for the 2025 flight training scholarships. If you know of a potential candidate 16 to 19 years of age please put them in touch with Pat.

David Gissen covered the safety presentation, emphasizing the need for pilots to protect their eyes from ultraviolet light rays. Dr Gissen described the effects that accumulate with UV exposure over time. He emphasized that clouds are a poor filter of UV rays and pilots should wear UV protection even on days when the sun is not bright in the sky.

Chapter 301 Flight Advisor Marcus Cooper spoke about his background in flying and his availability to help pilots make sure that they and their aircraft are prepared for that first flight. He has a wealth of knowledge and experience that every chapter member should tap before the first flight.

Marcus also discussed the recently added options for experimental aircraft testing. He encouraged pilots to check out FAA Advisory Circular 90-89C when planning

their flight testing. With task-based testing, there is no set number of flight hours required, but a prescribed set of tests to be accomplished. With the information (data) accumulated during this testing the Aircraft Operating Handbook can be completed and accurately represent the aircraft performance.

Marcus also pointed out the EAA Flight Test Manual as another valuable resource for setting up a safe and thorough flight testing program.

President Jazun previewed the program for May, Dagmar Kress will be presenting. We always learn a lot and enjoy hearing about whatever aviation topic Dagmar has in mind.

The meeting adjourned at 9:04 pm.

Meeting minutes submitted by

Chuck Spaur

EAA Chapter 301 Secretary



## Popular Forums and Web Sites:

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If you have a recommendation please send it to the editor and we 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/>
- Timber Tiger Aircraft: <https://www.timbertigeraircraft.com/>
- Cubcrafters: <https://cubcrafters.com/carboncub>
- RANS Aircraft <https://www.rans.com/>
- Garmin SW Updates: <https://www8.garmin.com/support/collection.jsp?product=010-01057-00>
- Dynon/AFS SW Updates: <https://www.dynonavionics.com/software-choice.php>
- Hartzell Technical Information: <https://hartzellprop.com/products/kitplanes/technical-information/>
- Lycoming Engines Knowledge Base: <https://www.lycoming.com/contact/knowledge-base>
- Cleveland Aircraft Tool: [www.clevelandtool.com](http://www.clevelandtool.com)

**Current Officers:**

**President:** Walt Jazun (303)  
908-3009

**Vice-Pres:** OPEN

**Secretary:** Chuck Spaur  
(720) 934-3427

**Treasurer:** Jim Watts (228)  
860-0609

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(303) 908-3009 [2024]
- Pat Diamond (303)  
886-9122 [2025]
- Randall Eaker (720)  
870-3874 [2024]
- Chuck Spaur (720)  
934-3427 [2025]
- Russ Grell (303) 502-7375  
[2024]

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Communications Director:

- Dave Hock (720) 308 6907

Scholarship Chairman:

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Refreshment Coordinator:

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Webmaster:

- Scott Wilson (951)  
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**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



## Important EAB Regulations and Advisory Circulars:

Pertinent Federal Aviation Regulations (FARs), Advisory Circulars (ACs), and other key information regarding the building and flying of experimental amateur-built aircraft (Web Links are active below).

FARs:

- 91.319 Aircraft having experimental certificates: Operating limitations
- 21.191 Experimental certificates
- Part 68-1A BasicMed

ACs:

- AC 20-27G Certification and Operation of Amateur-Built Aircraft
- AC 90-109 Airmen Transition to Experimental or Unfamiliar Airplanes

- AC 90-89c 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
- AC 43.13-2B - Acceptable Methods, Techniques, and Practices - Aircraft Alterations (aka The Builders Bible)
- AC 8050-1 Aircraft Registration Application
- AC 8050-88 Affidavit of Ownership for Experimental Aircraft
- AC 8050-2 Aircraft Bill of Sale
- FAA Inquiry for Special N-Numbers

## Editor and Communications Cockpit:

Hope you enjoy the new newsletter format! The old one, was getting old, difficult to manage and it was time for a refresh. Still fine tuning it but hope you see it as a improvement. If you have comments +/- shoot me a e-mail ([990hock@gmail.com](mailto:990hock@gmail.com)) or see me at the meeting.

- Dave Hock, Communications Director

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 two weeks before that month's meeting.

- Hannah Stauffer, Newsletter Editor

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).

Also available are regularly scheduled EAA webinars covering a variety of topics, previous webinars are archived webinars an [www.EAA.org/webinars](http://www.EAA.org/webinars). Builders assistance from the EAA Hints for Homebuilders Videos at <https://www.eaa.org/eaaircraft-building/ea-hints-for-homebuilders>.

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

Tickets for EAA AirVenture at [www.AirVenture.org](http://www.AirVenture.org). This years dates are July 22 through July 28, 2024, see you there!



1938 Bugatti Model 100 Racer at the EAA Museum



**EXPERIMENTAL AIRCRAFT ASSOCIATION**  
**ROCKY MOUNTAIN CHAPTER 301**

Denver, Colorado

**Membership Application**

Dues paying members please use this form to remit dues to the treasurer. For roster purposes please furnish the information requested. Note: If renewing membership, fill out only the information that has changed.

New or Renewal?

Name: \_\_\_\_\_ E-mail address \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ EAA Number (National): \_\_\_\_\_

Spouse's Name: \_\_\_\_\_ Chapter Member Since: \_\_\_\_\_

Type Aircraft: \_\_\_\_\_ Home Airport \_\_\_\_\_

**Circle one:** Own Under Construction Renting Dreaming About

**Circle all areas** of expertise in aircraft construction where you can be of assistance to other members:

Metal Wood Composite Tube/Fabric Engines Props Controls Electrical

Avionics Hardware Painting/Finishing A&P License Flight Instructor

Tell us a little about your interest in aviation, experience, etc.

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Dues renewals are \$25.00 per calendar year. New member dues are as follows:

Jan - Mar: \$25; Apr - Jun: \$20; Jul - Sep: \$15; Oct - Dec: \$10.

**Mail to treasurer:**

Jim Watts  
8774 Crooked Stick Ct.  
Lonetree, CO 80124  
(or bring this application to a meeting)

**Please make check(s) payable to:**

EAA Chapter 301, C/O Jim Watts

**If you have any Questions please contact:**

**President:**

Walter Jazun  
303-908-3009  
[walterjazun@yahoo.com](mailto:walterjazun@yahoo.com)

-or-

**Membership Coordinator:**

Russ Grell  
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