

EAA 301 - Rocky Mountain Chapter

Our Mission: To Promote and Encourage the Restoration, Construction, and Safe Operation of Sport Aircraft

Tim Sale speaking on the subject of mountain flying

Date: April 19th
Informal meet-and-greet begins at 6:30 p.m. with pizza and our meeting will begin at 7:00 p.m.

Location: This month's meeting will be held at the South Metro Fire Rescue. The address is **9195 E Mineral Ave, Centennial, CO 80112**

We will have a chapter member outside the gate helping everyone get in.

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

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

Chapter Email Address: chapter301@gmail.com



President's Message

President's Message Continued

As the weather starts to cooperate for flying as well as aircraft building activities, I observe a lot more opened hangar doors, airplanes and people milling around the airport.

With that, it's time to pause for a second before we embark on our next flight and think about safety.

Risk is inherent to flight. Any activity that involves human beings and machinery entails risk. Flight is no different.

In fact, because flight involves complex machinery, speed, and altitude, there are considerable risks for those who are unprepared for the flight environment—whether due to ignorance, complacency, or arrogance.

The experimental airplane community is an important

part of the civil aviation industry in the United States; some of aviation's greatest technological achievements were developed by amateur airplane builders. The amateur builder community is foundational to General Aviation (GA) in the United States. Historically, experimental airplane flight operations represent a small percentage of flight hours, but a significant percentage of GA accidents.

The leadership in our Chapter has a commitment to a positive safety culture. It reflects in the membership and the growing overall involvement I have seen in the monthly gathering and the sheetmetal and welding workshops we have conducted with excellent participation.

We are a small group of volunteers, we want to enjoy and have fun at what we do, which is building, restoring and flying sport aircraft. There is a broad

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President's Message Continued

base of expertise, be it flying, building and/or aviation knowledge in our Chapter. Take advantage of these resources that are available to us.

Based on feedback received from members in the last few months, we are headed in the right direction: to have a strong group of members who communicate well, work hard to organize social and technical events and share information for safe fly outs.

Communication is key.

If you have a good idea, write a quick text, email or make a phone call to our leadership, the information is on our website eaa301.org

If you don't like or don't agree with something, let us know, we would love to talk about it. Get involved.

The Young Eagles rally is this Saturday the 20th at Centennial, we are always looking for ground volunteers as well as pilots. Please let our Young Eagles coordinator Tom Letts know about your willingness to help.

This Saturday we are conducting a third workshop on fabric covering at my hangar in Spaceport with the water borne Stewart Systems, a safe alternative to legacy covering systems. Plan to attend, you are going to learn about the basics of covering a fabric airplane. The P-51 had fabric covered elevators, so did the DC-3.

We are coming up on our first social event

at the end of the month. Spaceport is celebrating its 40th anniversary with a pancake breakfast Saturday the 27th of April. Chapter 301 is participating with volunteers marshaling airplanes, parking cars and helping the airport staff. This is our opportunity to shine! Get involved and put your name in the hat to help out with the event. I am, so is my wife.

Our increasingly popular monthly gathering is this Friday, come join us for pizza and social at 6:30pm. Don't forget your nametag. We have a great speaker this month with Tim Sale speaking on the subject of mountain flying

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)

February Meeting Minutes

President Walt Jazun called the meeting to order at 7:05 PM. Many of the 40+ attendees had arrived around 6:30 PM to enjoy pizza and a hangar flying session. Bob Spicer again treated the group to pizza, thanks Bob! The meeting was held at the South Metro Fire Rescue building in Centennial, Colorado.

President Jazun welcomed the group including new members Doug Moh and Lucin Kasperek. Lucin is a private pilot and has helped build an RV-12. Doug is building a Sling High Wing taildragger.

Minutes from the February chapter meeting were approved without modification.

Old Business:

President Jazun recognized several chapter members in attendance for their continuing support of the chapter.

Hannah Stauffer creates the monthly chapter newsletter, Scott Wilson is the chapter webmaster, and Jim Elliott, a former chapter president and tech councilor were recognized for their longtime efforts in support of Chapter 301. Thank you!!

The results of the annual chapter survey have been released and President Jazun reported that the Chapter 301 Young Eagles program is deemed the most important chapter activity. Social gatherings, including the monthly gathering and fly-ins, followed by the chapter flight training scholarship program rounded out the top 3 activities.

Walt also noted that Chapter 301 has added over a dozen new members to our roster over the past couple of months. Interest and excitement around sport aviation is alive and well in the Denver area.

The chapter needs to fill 2 positions as soon as possible. The Vice President and Safety Officer positions are currently vacant. VP is an important position as the person in this role is responsible for coordinating the program portion of the monthly

gatherings. Many chapter members have ideas and contacts that are useful in setting up programs, and the VP serves as coordinator and point of contact. The new VP will be eligible for support from the chapter to attend the EAA Leadership Academy in Oshkosh this Fall. The leadership academy is a great way to get up to speed in this role and to meet EAA members from around the country.

The Safety Officer typically makes a brief presentation at the monthly gathering on safety topics relevant to experimental and sport aviation. There is no shortage of safety items to discuss, and many lessons learned that are worth periodic review. If you've flown an airplane and made a mistake that you learned from, then you're a good candidate for the Safety Officer position.

Please let President Jazun know if you'd like to fill either of these important roles.

Upcoming Events:

Dave Hock is working with officials at KCFO to coordinate a chapter presence at their upcoming pancake breakfast and fly-in. Dave also reported that KCFO officials are very interested in hosting the EAA's Ford Tri-motor as it passes through the area this Fall. More details are coming soon.

Project Updates:

Mark Peiffer has located a Kitfox airplane that he's looking to purchase and repair. Mark French reports his RV-10 project is moving forward "slowly". Walt reported seeing former chapter president Mike Rettig's RV-10 and that the fiberglass on the fuselage looks very nice.

Flight Reports:

Jim Watts reported on a flight to Liberal, Kansas. A group of 3 RV's flown by Jim, Walt Jazun and Dave Hock flew to Liberal and visited the Mid America Air Museum. Jim reported that the museum is well

February Meeting Minutes

worth the trip and getting there in a group of RV's made for a great day. He emphasized that when flying with a group, planning together is important. Knowing the forecast winds and available runways and how the group will coordinate arrival is safety critical. There are numerous day-trip fly-out destinations in Colorado and Jim plans to enjoy many more of them.

Lyn Langer has nametags available for new chapter members or members that have lost their tag, or changed their name. If you're in any of these situations see Lyn and he'll fix you up!

Treasurer's Report:

Outgoing treasurer Hugh Cook reported that he has been working with incoming treasurer Jim Watts and long-time treasurer Russ Grell to complete the handoff of this important chapter role. Hugh reported that the chapter finances are in fine shape.

John Tedder is back on the job in charge of refreshments and promises donuts, as well as coffee, at the next monthly gathering. We're counting on you John!

Young Eagles

Tom Letts, Chapter 301 Young Eagles Coordinator, gave a Young Eagles program update. Tom reported on the continuing evolution of the program with this year's events being evenly divided between KAPA and KCFO. Events at KCFO will be followed by a chapter BBQ, stay tuned for details.

Program:

Ken Sasine gave a wonderful talk about his experience flying the U2. Ken has experience with over 100 different aircraft and is a graduate and former instructor at the USAF Test Pilot school. We probably would have listened to Ken share his experiences until at least midnight, but he

concluded his presentation and the meeting adjourned at 9:15pm. We are very much looking forward to Ken sharing more of his experiences and wisdom with us. Thanks Ken!

Meeting minutes submitted by

Chuck Spaur

EAA Chapter 301 Secretary

Looking for Day Trip Fly-Out Ideas?

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

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!

301 Marketplace

FROM RYAN COURREGES

I'm a fellow EAA member, although not a member of any local chapters. I'm importing a warbird replica project from the UK and I have room in the container for another small project that's near mine and figured I'd check around and see if anyone in the Denver area would be interested.

The project is a Taylor Titch finished and flown about 4 years ago for a total of about 15 hours. It was all signed off and approved by the UK-LAA. It originally had an O-200 in it, but the engine, prop and some instruments were removed for another project. The original builder wanted to put another O-200 or C90 in it, but unfortunately passed away before he had the chance.

It's been flown and registered so I know there will be some complications with getting it re-registered here with the FAA. Theoretically the import itself should be simple since I believe it'll be covered under the 8022.20 tariff schedule code and be free of any duties.

The gentleman selling it is the same as I'm buying my project from and I'll be flying over there to inspect mine before finalizing the purchase and loading it in the container. I can do some basic inspections of the other project for anyone interested and load it in with mine if they choose to bring it over. Project price is about \$4400 depending on exchange rate at the time and freighting cost would be about \$1500.

I'd very much appreciate forwarding the details to any local chapter members who may be interested.

Thank you!

Ryan Courreges, EAA #1360626
520-237-0189



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 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 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

Announcements

- ◆ Please pay your 2024 dues to Jim Watts via cash or check. It is \$25 this year.
- ◆ Please join us at the upcoming fabric covering workshop, Saturday April 20th from 1:00 - 4:00

What Our Members are Building and Flying Part 2

Chapter 301 - "Report From the Hangar"

Hanging the engine on an RV-10 is a family affair!

Hello fellow Chapter 301 members! It's me, Mike Rettig, the Builder in the Chapter Hangar and past Chapter president. I know many of you haven't seen me in a while, but it's because I've been busy building my RV-10, which is a slow, slow build I've been working on since 2011 (ugh!). Full disclosure though; I've been building it all (no quick-build options) while trying to stay married, fully employed and a good father to my two kids, Amelia 12 and Robert 9. Amelia was born the same year I started building, so it's been a long road to this point.

However, I'm happy to report that we, as a family, hung the engine the other day! This was a great milestone and we all, literally, had a hand in it. My son, who has the smallest hands, was especially helpful installing the hard to reach nuts and washers behind the engine mounting "ears." I've included some pictures of all of us working and a video of the kids playing on the good old F-14 Pedal Jet I built for them a long time ago.

Neither of them can fit fully in the cockpit anymore, but they still found a way to "take it out for a flight" around the airport. Good times. My advice: If you're building, keep pounding those rivets, and if you're thinking of building, get on with it now! Life is sweet but it's also short, and it's only gonna be more expensive next year!

Mike Rettig

This a picture of member Jeff Hartig's Zenith CH 750 built by John M. Saurer in Fort Collins, Colorado. Take off distance is 150 feet and in about the same distance. Cruise speed is 90 mph. Jeff is the Chief Flight Instructor at Western Air Flight Academy in Broomfield, Colorado and Colorado Air and Space Port.

Equipped with a 120 HP 6 cylinders Jabiru 3300 engine. The propeller is ground adjustable. Fix slats with full span ailerons.



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 April! 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 two weeks 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

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.

Young Eagles Photos KAPA



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
- Access to 52 inch-wide stomp shear for aluminum sheetmetal.
- Access to manual milling machine for small parts- non-CNC.

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

RANS aircraft <https://www.rans.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.



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. **Please submit all contributions to stauffer804@gmail.com by the Saturday before the monthly meeting.**

Meetings are normally held on the third Friday of each month at 7:00 PM.

Current Officers:

President: Walt Jazun (303) 908-3009

Vice-Pres:

Secretary: Chuck Spaur (720) 934-3427

Treasurer: Jim Watts (228) 860-0609

Board of Directors:

Walt Jazun (303) 908-3009 - Chairman

Pat Diamond (303) 886-9122 - 2025

Randall Eaker (720) 870-3874 - 2024

Chuck Spaur (720) 934-3427 - 2025

Russ Grell (303) 502-7375 - 2024

Technical Counselors:

Hugh Cook (949) 353-7588

Jim Elliott (303) 725-4279

Volunteer Officers:

Membership Coord:

Russ Grell (303) 502-7375

Communications Director:

Dave Hock (720) 308-6907

Hangar/Tools Custodian:

Randall Eaker (720) 870-3874

Newsletter Editor:

Hannah Stauffer (720) 520-4640

Name Tags: Lyn Langer (303) 809-2516

Safety:

VMC/IMC Coordinator:

Hugh Cook (949) 353-7588

Flight Advisors:

Marcus Cooper (540) 514-4419

Webmaster:

Scott Wilson (951) 206-4079

Young Eagle Coordinator:

Thomas Letts (720) 833-8111

Scholarship Committee:

Pat Diamond (303) 886-9122 - Chairman

Refreshment Chairman:

John Tedder (303) 663-7851

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 Renewal

Name: _____ E-mail address _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ EAA Number (National): _____

Spouse's Name: _____ Chapter Member Since: _____

Type Aircraft: _____

Circle one: Own Under Construction Rent 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.

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.

Lone Tree, 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

-or-

Membership Coordinator:

Russ Grell

(303) 502-7375

rgrell@att.net