

# EAA 301 - Rocky Mountain Chapter

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

**March Agenda:** Ken Sasine, former Military Test Pilot and current FAA DER Flight Test Pilot. One of the interesting aircraft (127 and counting) he has flown over the years was the U-2 / TR -1. Also, Chief of Flight Test for that aircraft at Air Force Plant 42 for 9 years.

\*\*\*\*\*

**Date: March 15th**  
**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](mailto:chapter301@gmail.com)



## President's Message

Spring is in the air!

As we slowly leave winter behind and the weather starts to warm up a bit, we are reminded that March can be windy, the air can also be unsettled, leading to turbulent flying. Last Sunday, Dave Hock, Jim Watts and I flew out to Liberal, Kansas to visit the Mid-Continent Aviation Museum, a very interesting place with a lot of history and a large number of interesting aircraft including a surprising number of experimental and one off aircraft.



On arrival we were welcomed with a Kansas style gusty winds and the turbulence associated with it. Take a look at the wind sock in the picture below! Not a cloud in the sky, but bumpy rides down and back.



## President's Message Continued

As we tend to fly more in the coming months, keep that in your hip pocket, take a look at the rides report, smooth altitudes, wind forecast and any information that can help you make an informed decision to have a smooth flight.

On the Chapter front, last month we had a great sheetmetal workshop with strong attendance, hands on activities and lots of info. It's going to be followed by a TIG welding workshop this Saturday led by David Gissen. If you are considering a classic tube and fabric airplane, this workshop is for you, come join us, spend an afternoon learning about this great welding system. The details are going to be in a separate email this week.

I'm very excited to announce that we have 9 new members at the Chapter, supporting the growth we set out to accomplish in 2024. If you see a new face, please reach out to them, introduce yourself and welcome our new members to our Chapter sharing your interest in aviation.

This month's guest speaker Ken Sasine is going to talk about flight testing the U-2, among other interesting airplanes. It's going to be good! Come join us Friday, we start with some pizzas, hangar flying, camaraderie and good 'ole aviation! Looking forward to see you there!

Walt

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## February Meeting Minutes

### EAA Chapter 301 Meeting Minutes - February 16, 2024

President Walt Jazun called the meeting to order at 7:04 PM. This month's meeting was held at the South Metro Fire Rescue building in Centennial, Colorado.

Many meeting attendees arrived half an hour early on this wintery evening to talk airplanes and enjoy pizza provided by Bob Spicer. Thanks Bob!

President Jazun announced that the Chapter 301 Board of Directors had appointed Jim Watts to fill out Hugh Cook's term as chapter treasurer. Hugh is starting up a Chapter 301 IMC/VMC club. Also Marcus Cooper has taken on the role of Chapter 301 Flight Advisor. Marcus has extensive flight experience in military aircraft as well as experimental and homebuilt airplanes.

Published minutes of the January Chapter 301 meeting were approved without modification.

Russ Grell distributed the latest edition of the Chapter 301 Membership Directory. If you are a paid up member and haven't received this valuable resource please contact Russ.

Lyn Langer has Chapter 301 name tags. Check with Lyn if you don't have one; he might have one with your name on it, if not he can get you one.

Hetty Carlson of the Colorado Department of Transportation, Division of Aeronautics talked about aviation development operations in the state. Hetty gave an overview of the many efforts and the funding of aviation development and education in the state of Colorado. She also encouraged members to check out the high quality content the Division of Aeronautics has developed and posted on the YouTube website.

President Jazun then introduced Tom Letts as the Chapter 301 Young Eagles Coordinator. Tom described in detail some of the shift in focus in the Young Eagles program. YE flight events will be conducted at KAPA and KCFO, with about 12 events taking place annually. The focus will be on individual kids taking their first light airplane flight. Tom also talked about the program's focus on safety and working closely with tower personnel to maintain our safety standard. Good communication is essential. Finally, Tom gave a hearty thank you to Chapter 301 Vice President Blanche Cohen for her years of service as a coordinator for the chapter Young Eagles program.

### Project Reports

David Gissen reported the propellor has been reinstalled on his Ran's S-21 and a test flight is imminent.

The annual condition inspection has also been completed.

### Visitors

Michael Hoch is a brand new member and long time pilot. Michael has a glider rating and flies a C-180 based at KCFO. David Claiborne is working on his Instrument ticket, as is Phil Pesche.

Welcome to all our guests and new members!

Brian Beatty gave a talk about his Oshkosh Lindy Award winning RV-7. Brian highlighted some of the details that distinguish a Lindy award winner and in particular, what the Oshkosh judges focus on. Wonderful airplane, thanks for sharing Brian!

Wrapping up the meeting Walt recognized VP Blanche Cohen who recognized 3 individuals for being especially helpful to her with the Young Eagles program. Russ Grell, Paul LaPrad and Lyn Langer supplied the "corporate memory" and essential continuity when we lost YE leader Rudy Kniese in 2020.

A big thank you to these guys!

The meeting adjourned at 9:15 PM.

Meeting minutes submitted by

Chuck Spaur

EAA Chapter 301 Secretary

## What Our Members are Building and Flying Part 1



A short intro to Doug Waddingham's Lancair 360: I picked up the kit in Redmond Oregon in September 1996. First flight was August 18, 2019. Yes, you did the math correctly, that is one month shy of 23 years. During that time I also moved, put two kids through college, one got married and my employer went through bankruptcy following 9-11. Out of a total 23 years to first flight the actual building time was more like 12 years.

It's a great little plane with a Superior IO-360 180 HP engine with ECI cylinders put together by AeroSport Power. The prop is a 68" Hartzell Constant Speed made specifically for this airframe.

The panel includes a 10" Dynon EFIS with 2 axis Dynon A/P, EI MVP-50 Engine Monitor, AOA, and Garmin GTN 650. Future upgrades include a Surefly electronic magneto and portable oxygen system to take advantage of the altitude and speed capabilities this airplane provides.

The plane will easily cruise at 200 KTAS but I usually pull it back to 185 KTAS where I typically see fuel flow in the 7.5 to 8 GPH range.

The airplane is based at KCFO and any and all are welcome to visit at anytime.

Doug Waddingham : 720-318-4724



## 301 Marketplace

FOR SALE: Dynon D10A EFIS, new in box. The EFIS-D10A is a full 4" Primary Flight Display. This product features attitude, airspeed, altitude, turn rate, inclinometer, g-meter, up/down timers, clock, and voltmeter. Battery backup provides power in event of aircraft electrical system failure. Other optional capabilities include angle of attack, magnetic heading, OAT, true airspeed, winds aloft, and density altitude. \$600 or best offer, contact Walt Jazun, walterjazun@yahoo.com or 303-908-3009.

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: Unused stainless steel Experimental Data Plate, \$10 OBO. Will bring to the chapter gathering. Dave Hock call/txt 720-308-6907

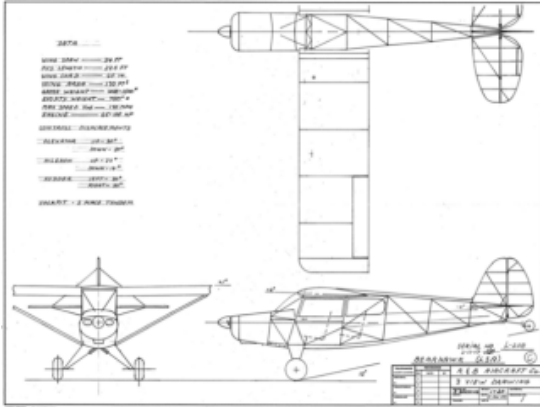
As announced at the January monthly gathering we are publishing a new "**Marketplace**" in the newsletter. The Marketplace is for aviation related items you WTB, sell, trade, rent, giveaway or donate to the chapter tool box. If you have some tools not needed, spare parts, unused avionics, hangar space 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.

## Announcements

- ◆ Please pay your 2024 dues to Jim Watts via cash or check. It is \$25 this year.
- ◆ Please join us at the welding workshop this Saturday, March 16th 1:00-4:00 at Walt Jazun's hangar at KCFO, 37835 Astra Way, Watkins, CO 80137. If you don't have an airport access card please call/txt Dave Hock at 720-308-6907 on Saturday and we will have someone let you in

## What Our Members are Building and Flying Part 2

Frank Forney is building a Bearhawk LSA from plans. The Bearhawk line of aircraft are all available as QB kits or plans, plus sub-kits and finished parts are available. Thus there are a range of options for the builder. Frank has fabricated everything so far, but glad to have factory options available. The Bearhawk LSA resembles a Piper Cub or an Aeronca champ: high wing, two seat tandem, no flaps and requires around 100 HP. The fuselage is fabric covered. The Bearhawk is different though, in that the wing structure is aluminum with aluminum skin flush riveted. Another difference is the Ribblet airfoil which gives good slow speed performance, touchdown around 40 mph. Still, the LSA is expected to cruise at 120 mph and vne is 140 mph.



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As of February 2024 Frank is a little over three years into the project, working in a one car garage.

The wing ribs have all been formed and stiffeners riveted. The two ailerons are fabricated and ready to be fitted to the wings and then fabric covered. Three of the four wing spars (two main and two rear) are complete and ready for wing assembly. The fourth spar (right main) is fully prepped and ready for paint and then riveting. The spar parts are all to be "prime painted" according to the plans.

Frank chose Stewart systems Eko-etch and Eko- prime for this. Both are easy to apply. Eko-etch sprays on, scrub it in with scotchbrite and then rinse it off. Eko- prime can be diluted slightly and sprays on easily with a simple electric HVLP sprayer. Unused paint goes back into the can. Gives good corrosion protection. The downside to Eko-prime is it is not solvent-proof. Needs to be overcoated with an epoxy in areas exposed to fuel and oil.

Many thanks to EAA 301 for the sheetmetal workshop. And very much looking forward to the March welding workshop. Frank would like to expand his EAA network, among other scratch-builders. The biggest upcoming challenge is to learn the required welding skills.



I have had three EAA technical counselor visits so far, and would like to get more eyes on the project.

Many thanks to Arlan Grover and Jim Elliot and all who would like to guide me forward.

fforney@indra.com

<https://eaabuilderslog.org?s=FranksLSA>

<https://www.youtube.com/@frankforney8132/videos>

### 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 February! 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. 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](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).

# KCFO Young Eagles February 24th



## 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](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)

**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](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. **Please submit all contributions to [stauffer804@gmail.com](mailto: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: Blanche Cohen (303) 475-7700  
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: Pat Diamond (303) 886-9122  
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.

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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.

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