

EAA 301 - Rocky Mountain Chapter

January Meeting:

Topic: Shipboard aviation operations by Victor Vaughan, USN Retired

Date: Fri. January 16th, 2015

Time: 7:00 p.m.

Location: The meeting will be held at the South Metro Fire Rescue Authority Building: 9195 East Mineral Avenue Centennial, CO 80112. The Building is located between Dry Creek and County Line on the West side of I-25: West of IKEA.

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President's Message by Andrzej Stewart

January 5, 2015

Happy New Year everyone!

It doesn't seem all that long ago that I found myself on the flight line at the Rocky Mountain Airshow, chatting with a gentleman named Robert Greenlee, and he was talking to me about his volunteer flying with the Young Eagles. I had been a Young Eagle while I was in junior high school, flying in a Piper Tri-Pacer out of Skyview Airpark just outside of Cheyenne. Though I was now deep in study for my Commercial rating, I was also looking for something a little more meaningful for my flying than just drilling holes in the sky. Robert's discussion struck a chord; that evening, I signed up to become a member of the EAA, and, a few weeks later, I attended my first Chapter 301 meeting, ready to volunteer as a Young Eagles pilot.

And it doesn't seem all that long ago, because, well, it really wasn't. This chance encounter took place just a little over a year ago, in late August of 2013. I'm a relative newcomer around here! So, I'll admit, being nominated and elected to be your Chapter President was a bit unexpected. Taking the reins is a bit daunting, but I'm proud to be working with an experienced and dedicated group of board members and volunteers, all working to keep the club running. I've also had some great help from Allen Bilbro, who has given me lots of information and advice to prepare for the role.

I consider myself to be somewhat of a newcomer to aviation as well. Although I was a non-pilot member of the University Flying Club while attending the University of Texas, I only began serious flight training in early 2009. I considered it something of a milestone when my third class medical expired for the first time last year! However, in our chapter, I again find myself surrounded by passionate and experienced aviators and aviation enthusiasts. One thing that has struck me during my admittedly brief time in the chapter so far is the absolutely vast array of experiences and backgrounds our members represent - everything from students just starting to take to the skies and new builders constructing their first airfoils, to seasoned technicians flying

their own creations, airline captains with thousands of hours of flight time in the big iron, veterans who have served with honor in our nation's military, and everything in between. Every member of our chapter truly has a unique story to tell about their involvement in aviation.

So, with all this in mind, I must admit that I am deeply honored and humbled to have been chosen to serve as the EAA Chapter 301 President. I'd like to take the opportunity to thank our outgoing President Allen Bilbro and Board of Directors member Denis Walsh for volunteering their time to Serve the chapter, and to welcome Mike Rettig, who is taking Denis's place on the board. I look forward to leading our chapter into 2015!

Blue skies!
Andrzej Stewart

EAA Chapter 301 December Meeting Minutes

EAA Chapter 301 Meeting Minutes - December 19, 2014

President **Allen Bilbro** called the meeting to order at 7:02 PM at the South Metro Fire Rescue Authority Building in Centennial, CO. President Bilbro introduced the chapter officers and board members in attendance.

Minutes from the November meeting were approved with some corrections. The pre-meeting videos are shown at 6:20 PM sharp on meeting nights. A couple spelling errors were also corrected.

Russ Grell, Chapter 301 Treasurer, gave a detailed report on the chapter finances. The chapter financial situation is stable, members interested in details should talk with Russ. Russ also encouraged members who haven't yet done so to pay their dues for 2015. Finally, Russ will be

Meeting Minutes, Cont'd.

putting together the chapter membership directory for 2015 in the next couple of months. If you have any changes to your address or contact information please update Russ as soon as possible.

Old Business

The upcoming Founders Banquet will be held on January 11th @ 11AM.

The prop balancer system has been received and is available for use by chapter members under the supervision of **Ted Lemen, Gary Zilik or Scott Mills**.

New Business

Howie Cammack has nametags - please see Howie to get a free name tag if you've just joined the chapter. If you've lost your nametag or changed your name, Howie will help you out with that too.

Progress Reports

Vance Franks is close to completing the cowling work on his RV-9A.

Roger Carsons has been working at the Just Aircraft factory on a Super STOL. He's utilizing the factory builder assist program and making fast progress. He's taking a break over the holidays and heading back to the East Coast factory soon.

Ted Lemen has made some adjustments to the main landing on his Mustang II that have improved the airplane ground handling.

Lynn Langer, RV-7A, has received his replacement pitot tube from Dynon. The original units were recalled due to issues with moisture failing to drain properly out of the tube. Lynn also gave an account of getting his pitot-static certified for VFR flight. He noted some air leaks around the static port fittings on the sides of the fuselage that he will seal and re-rivet in place.

Robert Bokleman has been working on his RV-7 empennage kit, about ready to rivet the vertical stabilizer together.

John Tedder promises an update on his RV-7 "when he has something to report".

Mike Rettig has been installing wing-tip antennas and doing some fiberglass work on his RV-10.

Flight Reports

Several chapter members have flown to Greeley and dined at the Barnstormer.

Lynn Langer reported attending the Wings Over the Rockies Museum's 20th birthday celebration. He noted that the B-52 on display in front of the museum has 52,000 LED lights on it - impressive to see!

Tech Counselors

Ted Lemen reported looking over **Vance Franks'** RV-9A out at Front Range Airport. Ted reports that Vance is doing very nice work and is somewhere in that 90% done realm.

Misc

Chapter VP **Jerry Knievel** recognized **Rudy Kniese** for helping get a couple of good programs together for the monthly chapter meetings. Thanks Rudy! If you have ideas for chapter programs please talk with Jerry.

Young Eagles

Chapter Young Eagles Coordinator **Rudy Kniese** reported on a record year for the Chapter 301 program. 670 youngsters were taken aloft in 2014, bringing the total for the Chapter to over 4900. Rudy says that 2015 will be his last year in this role as Young Eagles Coordinator and that the time is right for a new person to work with him in the coming year and learn the ropes. For 2015 we're expecting full events every month. Rudy expressed his appreciation to all the pilots and ground support people who have helped make this program successful. Thank you Rudy!

Safety Discussion

Bryan Raley advised pilots to be especially aware of the short days and Winter flying conditions over the next few months. This is particularly true if you're flying over high terrain where there "is no Summer" when night falls. Be prepared, bring the right clothing and equipment, be safe.

Program

Ted Lemen gave a talk and showed an EAA video about how to prepare yourself and your aircraft to make a safe and successful first flight. Thank you Ted!

Respectfully submitted by

Chuck Spaur

EAA Chapter 301 Secretary

Announcements:

► It's a brand new year, so if you have not yet paid your 2015 dues please send your payment to Russ Grell. Russ will also take payments in advance for future years if you feel so inclined.

► If there are any changes to your personal information, i.e. phone number, address, spousal unit, also the aircraft you're flying, please let **Russ Grell** know at rgrell@att.net.

► Partner / Engineer wanted

Prototype, six place composite aircraft, 60% complete needs a serious partner to complete the project for part ownership. A retired engineer is preferred. In Littleton, CO area.

Contact John at: badgerlinz@comcast.net

► The membership is encouraged to share articles, personal experiences, pictures, etc. – related to aviation – to be used in the newsletter. Ed.

Advertisements

Large Hangar for sale: Hangar 19B located at KFTG, 70x60 foot hangar large enough for 3-4 experimental aircraft. Includes, bathroom, water, heat, lights, loft, and insulated 60 foot wide by 20 foot high electric door. Hangar 19B. Currently taking bids—minimum asking price is \$200,000. Call Joe Meheen 303-337-4040 (Office) or 303-322-2567 (Cell) or email at meehenhj@gmail.com for more info.

Transponder for sale: New (never installed) Narco AT-165 Transponder with rack for sale. Paid \$1,719 and will entertain offers. I have the invoice as well as a picture available. Call **John Ewan** 970-227-5998.

Hangar for rent: at Centennial. It is a Port a Port type. **Charlie Phillips** 303-910-2855

Aircraft and Hangar for sale: RV7A and hangar for sale. N523RM based at KAPA hangar B-7. Construction completed 4/08. Superior Air Parts engine XP-IO-360. Harzell blended airfoil prop. Approx. 122 hrs on AC and engine. Glass panel: 2 Garmin 430s (non WAAS), Garmin 340 audio panel, Garmin GTX 330 transponder, Garmin NAV, Ind. Dynon EFIS D10A (with backup bat), Grand Rapids EIS, fuel flow option, XM Inflight weather with Baron mobile, oxy. TruTrak A/P, May annual. IFR-Pitot-Static, altimeters and transponder certifications current. Contact **Robert Meer** at robert@meerandmeer.com Cell Phone 303-915-2211.

Wanted: Scott 3200 tailwheel assembly for leaf spring tail. Call **Ed Pruss** 303-489-8002.

Attention all RV owners and operators SB 14-12-22

Service bulletin 14-12-22 was recently published by Vans Aircraft. It pertains to ALL "A" model aircraft (nose gear configuration). This SB MUST be complied with prior to the next flight. Go to the following link for details: [SB 14-12-22](#)

Member roster updates

Please update your EAA Chapter 301 member rosters with the following changes:

Gary Zilik email address: gary@zilik.net

Erving Anderson email address: ervba@aol.com

2015 Young Eagle Rally Tentative Schedule

The next Young Eagle Rally is scheduled for January 24, 2015 at Front Range Airport. Ground personnel and pilots wishing to participate should contact Rudy Kniese.

Month	Days	# of YE's
Total bookings:		498
January	23,24	54
February	27,28	49
March	27,28	50
April	24,25	51
May	22,23	52
June	B-17?	0
July	24,25	47
August	28,29	50
September	25,26	50
October	23,24	50
November	6,7	45
December	Off	0

2014 Young Eagle Rally Award Winners

December 27, 2014

2014 Young Eagles Wrap Up: by *Rudy Kniese*

Chapter 301's Young Eagles program concluded its 2014 flying season this past November 8, 2014. We added two extra rallies at the end of the year with the help of Tom Letts and crews. An added rally in honor of Sean Tucker on the November 15th and a Jeppesen Family fly on December 13th. Here is how we fared in 2014 with all rallies included.

- **670** Missions Flown via 14 total rallies (12 formal) – **THIS IS NOW OUR NEW RECORD**, breaking our previous record of

633 in 2011.

- Our 2014 Rallies received help from **44** ground volunteers through the year as well as **39** pilots.

Our Year to Date number since inception from 2001 now stands at **4,915**

Missions!

Our **Win**, **Place** and **Show** for numbers of missions flown:

Win – Rod McLean with **50 missions** – Well done Rod!

Place – Charlie Phillips with **46 missions**

Show – Bill Totten & Denis Walsh with **42 Missions each!**

Our Pilot Participation group is as follows:

Win – Bill Totten & Rod Mclean with attendance at **12 out of 12** Rallies – AWESOME – Thanks, Rod and Bill!

Place – Charlie Phillips, with **10 out of 12** Rallies

Show – Denis Walsh & Adam Charles share the honor with attendance at **9 out of 12** Rallies

Ground Crew participation:

Win – Russ Grell, with attendance at **12 out of 12**

Place – Paul LaPrad with attendance of **11 out of 12** Rallies.

Show – Dave Gonyea and Ted Lemen share with attendance of **10 out of 12** Rallies.

As in the past, my thanks and gratitude go out to **each** and **every** member that has taken time out for our Young Eagles program; for without any **one** of you we would not have one of the best Young Eagle programs in the country!!! Thank you one and all for participation and support of our program.

See you in 2015,
Rudy

ADS-B Equipment installation Concerns are Heating Up

There are an increasing number of articles, discussion, and forum postings regarding concerns about the installation, configuration, and operational verification of ADS-B equipment in both certified and experimental category aircraft. The deadline for equipping an aircraft with ADS-B in and out-capable hardware is 2020. By then, all US registered aircraft must be able to receive (ADS-B in) and transmit (ADSB-out) position, altitude, and directional information to all other aircraft.

Recent concerns have surfaced that experimental aircraft builders and owners may not be able to install this equipment themselves, thus adding even more cost to the process of meeting the ADS-B equipment deadlines imposed by the FAA.

Here are some links to additional information on this topic:

<http://macsblog.com/2014/12/can-you-install-ads-b-now-maybe-not/>

John Collins Petition for rule making regarding proposed procedural changes for ADB-equipped aircraft:

<http://www.regulations.gov>

Then look under the “What’s Trending” section for John’s name to find his proposal.

This topic is gathering momentum amongst the general aviation community, and especially for builders of experimental aircraft that are trying to be pro-active in installing compliant equipment.

From the Editor's Cockpit

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/april_2014#pg1 (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 such as forums, news, weather and more by signing up at <http://www.oshkosh365.org>

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 regularly come to Denver at least once per year. This is hands on access to a variety of different skills and well worth the small expense IMHO. Check them out at www.SportAir.com.

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.

ACs

AC 20-27G

Certification and Operation of Amateur-Built Aircraft

AC 90-109

Airmen Transition to Experimental or Unfamiliar Airplanes

AC 90-89A

Amateur-Built Aircraft and Ultralight Flight Testing Handbook

AC 90-116

Additional Pilot Program for Phase I Flight Test

The E-CFI by Bryan Raley

Excessive work and illness got the better of me over the last few weeks, so I don't have E-CFI article ready to go this month. Instead, I thought that this would be a good opportunity to review what I did cover in last year's articles, and provide a glimpse into future topics that I plan on covering throughout 2015.

Last year I was able to address several topics, such as what a CFI or experimental aircraft owner can or cannot do with regard to flight instruction, flight training, or transition training in an EAB aircraft, what a LODA is, and the types of training or instruction that one can receive.

This year I want to provide the chapter members with some insight about the following:

- Challenges for CFIs and pilots when flying in aircraft with technically advanced avionics (TAA), including how panel layout, design, and function can impact both pilot and instructor
- Insurance for CFIs and pilots operating in EAB aircraft
- What to look for in a CFI to assist you with training in an EAB aircraft
- Requirements, privileges, and limitations of the Sport Pilot and Recreational Pilot certificates
- Differences between S-LSA, E-LSA, and Experimental Category aircraft

Here's hoping we have a safe, fun-filled year of flying!

Dynon Heated Pitot Tube Users!

All builders and pilots that purchased or installed the heated pitot tube from Dynon prior to October 2014 need to check the following important Service Bulletin by going to the following website:

[DYNON Heated Pitot Tube Exchange Program](#)

They have come up with a redesigned heated pitot tube with the drains placed in a different location. Instructions for exchanging your Dynon Heated Pitot Tube are on the website.

Chapter Tools

Mel Kuethe is our tool custodian. Give him a call at 303-794-3930 for your tool needs.

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

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

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>

First Flight Video

<http://bcove.me/s50u0x73>

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.

Events for 2015

To view all EAA events go to:

<http://www.eaa.org:80/calendar/>

2014 Membership Enrollment Information

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

Date: ____/____/____	Annual Dues for 2014	\$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 Russ Grell
 9961 S. Prairie Falcon Lane
 Highlands Ranch, CO 80130*

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 2014?

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 2014 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

Bryan Raley, Newsletter Editor
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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. Current location is: **South Metro Fire Rescue Authority Building: 9195 East Mineral Avenue Centennial , CO 80112. The Building is located between Dry Creek and County Line on the West side of I-25: West of IKEA. In the board room directly to the left as you walk in the main entrance.**

Current Officers:

President: Andrzej Stewart (512-787-4835)
Vice-president: Gerald Knievel (303-766-0845)
Secretary: Chuck Spaur (720-934-3427)
Treasurer: Russ Grell (303-791-3528)

Board of Directors:

Allen Bilbro (303-653-6442) - Chairman
Ted Lemen (303-985-3684) - 2017
Mike Rettig (720-933-3452) - 2017
Chuck Spaur (720-934-3427) - 2016
Russ Grell (303-791-3528) - 2016

Technical Counselors:

Jim Elliott (303-725-4279)
Ted Lemen (303-985-3684)
John Linz (303-771-0685)
Patrick Townsend (515-371-8138)
Bob Smith Home (720)542-9231
Cell (720-556-9066)

Volunteer Officers:

Librarian: Russ Grell (303-791-3528)
Tool Custodian: Mel Kuethe (303-794-3930)
Newsletter Editor: Bryan Raley (303-347-8124)
Name Tags: Howie Cammack (303-794-3608)
Safety: Bryan Raley (303-347-8124)

Refreshment Chairman:

John Tedder (303-663-7851)

Flight Advisor:

Ted Lemen (303-985-3684)

Webmaster:

Scott Wiseman (720-427-5037)

Young Eagle Coordinator:

Rudy Kniese (303-549-7944)

Scholarship Committee:

Don Shipman (303-971-0435) - Chairman
Patrick Fogarty (303-841-5792)
Dagmar Kress (303-887-4473)
