



Mile High Flyer

*The Official Newsletter
of The Experimental Aircraft
Association, Chapter 43
Established May, 1958*



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July, 2018

CONTACT!

As we slip into a glorious Colorado low-humidity summer, and plans are being made for Oshkosh, I am beginning to realize something profound. As a chapter member I saw it going on around me, but as I have slipped into the president role, I see it more and more.

This chapter, at least many members of this chapter, are deeply committed to aviation. To them, aviation has obviously been a gift, something that has added meaning to their lives. And even more, they choose to pass it on to others. They seem to make it their life's purpose to let others see the wonders of flying. They choose to spend huge chunks of their being to expose others to the opportunity to fly. They invite others to cross the airport fence to see that they too, no matter how young or small, can participate in aviation. They offer flying, ground work, thought, construction, exposure to hangars and ramps and spinning propellers. And with EAA's backing, they get kids started in aviation where us old farts had to grovel our way in to the hobby through the forbidding cold.

And it's working. We went to see Tyler McBride at Hill Air Force Base in Utah. He comes out of the efforts of these chapter members, and he flies fighter jets for the US Air Force! I'm sure there are other success stories too, I just haven't learned them yet.

I'm not going to try to name these men and ladies. (I'm sure I would leave some out and I'd feel horrible.) But they are a team, a team from our members who give so much to the lore and love of aviation, and work to pass it to others. As I begin to participate, I'm overwhelmed with the depth of their efforts. I won't thank them - the smiles of kids of all ages do that. I will suggest to anyone with some spare passion to consider joining the effort to give aviation to others.

Can you tell I'm impressed? I am.

Safe landings, Phil

P.S. Remember to keep eyes & ears open for opportunities for a chapter hangar. Perhaps there's a corporate hangar somewhere that the corporation is moving out of. Or an aviation widow with an unused hangar attached to her home that was her husband's man-cave. Who knows where opportunity will come from.

In this issue:

- A new ad for a SPOT GPS Tracker and an updated ad for Don Smith's S-19 build. Sure hoping someone can help Don's family out by finding a home for the S-19.
- Chicken Wings this month is an awesome agglomeration of Comicon, the newest branch of the military, and Star Wars. Mind. Blown.

Next Meeting - Saturday, July 14, 2018

7 PM @ the Mt. Evans Room in the Terminal Bldg. @ Rocky Mountain Metro Airport (BJC)

Presentation for the July Membership Meeting

Wings Over the Rockies Exploration of Flight Program

John Barry is the President and CEO of the Wings Over the Rockies museum in Denver. WOR is launching a second, new campus at Centennial called Exploration of Flight that will include Blue Sky (flight), Black Sky (space) buildings, active aircraft maintenance, repair, and connection to training for careers in aviation. It is a very exciting project that is closely linked to our chapter's support of youth in aviation.

Upcoming Events Calendar

2018 EVENTS

JULY

- | | | |
|-----|--------------|---|
| Sat | 14 | EAA Chapter 43 Young Eagles Rally, EIK, 7:45 am (note the special date!) |
| Sat | 14 | AOPA Rusty Pilots at BJC, 9 am - 12 pm |
| Sat | 14 | 10th Annual Spirit of Flight Day, EIK, 10 am - 4 pm
www.spiritofflight.com |
| Sat | 14 | EAA Chapter 43 Membership meeting, BJC, 7:00 pm |
| Fri | 20 | EAA Chapter 301 Membership meeting, South Metro Fire Rescue Authority Building, 7:00 pm |
| | 23-29 | EAA AirVenture Oshkosh 2018 |
| Sat | 28 | Warbird Auto Classic, KFTG, 8:00 am – 2:00 pm |

AUGUST

- | | | |
|-----|----|---|
| Sat | 4 | EAA Chapter 301 Young Eagles Rally, FTG 7:45 am |
| Sat | 4 | Rocky Mountain Air and Ground Festival, KBJC, 8 am – 3 pm
www.jeffco.us/3633/Rocky-Mountain-Air-Ground-Festival |
| Sat | 11 | Hops in the Hangar, Wings over the Rockies Museum, 5:00 pm – 9:00 pm
http://wingsmuseum.org/hops/ |
| Sat | 11 | EAA Chapter 43 Membership meeting and AirVenture Debrief - time and location TBA |
| Sat | 13 | EAA Chapter 648 Membership meeting, LMO, 7:00 pm |
| Fri | 17 | EAA Chapter 301 Membership meeting, South Metro Fire Rescue Authority Building, 7:00 p.m. |
| Sat | 18 | EAA Chapter 43 Young Eagles Rally, EIK, 7:30 a.m. |
| Sat | 25 | EAA Chapter 301 Young Eagles Rally, FTG 7:45 a.m. |

Since I currently don't have a second set of eyes to review the newsletter, I'd like to ask all of you to help find my boo-boos for cookies! I haven't heard anything since before June's meeting, but YOU still have a chance for cookies in July if you find something in this newsletter. Let me know at newsletter@eaa43.org!

If you'd like to contribute a newsletter article on a trip, a tool, component, or aircraft review, a how-to for build or test, historical or ANYTHING airplane or chapter related, don't be shy. I'm still struggling with input that's not electronic, but you can email newsletter@eaa43.org with anything ya got in electronic format. Be aware that Gmail limits attachments to 25 MB, so if it's bigger than that, try multiple emails.

CHICKEN WINGS®

BY MICHAEL AND STEFAN STRASSER



Want Ads & articles for publication may be sent to the editor - newsletter@eaa43.org

Want Ads



Custom Embroidery
Valerie Wait
 720-352-2630
 1705 Flemming Drive
 Longmont, CO 80501
 email: valandjimw@yahoo.com

Bill Mitchell reports that these folks can embroider a couple of different sizes of our chapter logo on jackets, shirts, etc. Bill showed some examples at one of our meetings, and they were beautifully done!



Like new, SPOT Gen 3 GPS Satellite Tracker. All documentation and accessories as received new. I will bring it to the next meeting on 7/14. They are \$149.99 new. Asking \$80.

- John Evens

2011 ELSA Zodiac 601XLB, TTA/E 335 hr., Jabiru 3300, Dynon 180 EMS/EFIS, Garmin AERA500 GPS, ICOM A-200, ELT, Garmin GTX 320A Xpdr, AOA, Sensenich GA prop, elevator & aileron trim, dual brakes and throttle, always hangared, fresh annual, builder and maintenance logs. Laramie, WY. MEDICAL ISSUE forcing sale, \$47.5k (See specs on next page.)

Wes (307)721-8804



DATA SHEET

ELSA ZENITH 601XL-B - \$47.5K

By owner/builder

- 2011 Zodiac 601XL-B; always hangared (KLAR); TT335 hrs.
- Fresh condition inspection
- Sensenich ground adjustable composite propeller
- 15 gallon fuel tanks
- Navigation and strobe lights
- Electric elevator and aileron trim; electric flaps
- Center yoke with dual brake and throttle controls
- Jabiru 3300 with oil cooler
- High Altitude Control-manual (HAC man)
- Dynon 180 EFIS/EMS
- Dual VSI, AS, & Alt.
- Removable GPS – Garmin AERA 500
- Communication-ICOM A-200; Intercom-Flight Com 403mc
- Transponder- Garmin GTX 320A
- ELT – Ameri King AK450
- Tannis engine heater; baggage wing lockers; Kruger sunshade
- Necessary maintenance tools, Lightspeed Zulu headsets (2), canopy cover, new upholstery set, extra tires, manuals

1994 RV-6 N93MY

TT 1778hrs LYCOMING 0-360 A1A Constant Speed Prop

A ground loop ran the plane into a hangar with slight repairable damages to the plane, mostly cosmetic. The main damages were to the engine and prop.

Must be seen to fully understand the situation.

Open to bidding.

Call 303-589-8552 (leave a voice message)

Want Ads Cont'd

Rans S-19 Project for Sale.

Vertical stab/rudder complete; stabilator complete except for tips & balance. Fuselage approx. 75% complete. Wing structure complete, needs to be plumbed, wired, and skinned. Ailerons complete except balance. All airframe kits/parts included to complete, including cowling, seats and canopy. Project located at Rocky Mountain Metro Airport (KBJC). \$16,000. Contact Don Smith Jr. at 720-988-7475 or deansauce@gmail.com.



Around the Chapter...

◆ Additional info on sterile cockpit practices from Mike Gugeler:

“The Sterile Cockpit Rule (14CFR 121.542/135.100, "Flight Crewmember Duties") discussed last month doesn't apply to us Part 91 pilots (although it's a good practice) but it did bring up a trivia question. As far as I know, this is the only FAA regulation that gives an altitude without specifying MSL or AGL.

If it were MSL you have to climb a mile and a half above Miami before cracking a joke, but a thousand feet after a Telluride takeoff, “So, two dogs walk into a bar...”.

If it were AGL you could start chatting at 16,000 out of Denver but based on your climb rate Westbound, you might have to stop, then start the gossip session over peaks and valleys.

Yeah, we all know the intent; get far away from the dirt before allowing distractions, but it is kinda loosey-goosey. Don't mention this to the FAA guys or they'll have a meltdown. **Anybody else know of another MSL/AGL omission?”**

(Cookies for anyone who can answer that! - Editor)

EAA Chapter 43
June 9, 2018
Member Meeting Minutes

President Phil Brown opened the meeting at 7:00.

VISITORS, NEW MEMBERS - Please tell us about yourself

Location

Flying, What? Many Months/Years?

Building anything?

Flying HOPES?

Sign in and get 6-month trial membership in Chapter 43

Alex Gustafson – UAV with Boeing and Northrup Grumman. Nathan Mendoza is an AMP from New Mexico, now in the Air National Guard with the F-16s at Buckley. Dave Bratton is an Erie resident and long-time EAA member, but never in a chapter.

ANNOUNCEMENTS – Anything to share with the Chapter?

Stan Specht dedicated the meeting to Don Smith, who passed away last month. Don worked for Fairchild Aircraft, was a big Fairchild fan who knew all the models, owned a hobby shop in Aurora, and was building an S-19 until health issues arose. He was active in the Young Eagles programs at Chapters 43 and 301. He was the long-time Chapter 43 Newsletter Calendar compiler. He suffered from a lung disease named after the Latin phrase for “we don’t know what it is”. Don passed away suddenly. Stan attended the family’s open house and passed their thanks to the chapter.

APPROVAL OF MAY MINUTES (and cookie awards) – Val Gregory

Phil Brown earned cookies for finding Val’s typos in the transcribed article from Bob Wilson as well as being the first to answer the quiz on sterile cockpit practices. Mike Gugeler told us that Sterile Cockpit is the only FAA rule that cites altitude without mention of AGL or MSL.

TRIP REPORTS

Shortly after takeoff, Paul Hahn had a coolant temperature alarm, smoke in the cabin, and a partial engine loss in his RV-10’s Subaru engine. After identifying his situation and tail number to the BJC tower, they queried the number of souls aboard ☺. He made a low speed emergency landing and taxied to the fire truck. The engine failure blew the rings off one cylinder. Paul praised the tower, first responders, and the Mile High Wing of the Commemorative Air Force, who offered hangar space at RMMA until repairs are made. Too low octane, too high pressure, too much spark advance, too lean a mixture. Mike Gugeler asked for a longer flight next time; Bill Mitchell quipped that it was plenty long enough for Paul! High ambient temperature and a heat-soaked engine were also contributors.

Stephanie Wells is back from a 5-month trip to Chile, Bolivia, Costa Rica, and El Salvador. She got back Friday, June 1 and flew her RV-6 down to Lake Meredith for a sea plane event. She flew to Spanish Forks on Sunday June 3 in a 182 – nice airport! Alamosa was fogged in but Kent Rominger field in Del Norte was clear, 10 miles north of Monte Vista. This trip was a LightHawk mission – conservation environmental flights for scientists, media, politicians. Phil Brown has also flown LightHawk missions.

Bill and Mary Mitchell got to hear a speech by retired commercial pilot Captain “Sully” Sullenberger at the Marriott.

SCHOLARSHIP – Eric or Scott Serani

No report this month.

**EAA Chapter 43
June 9, 2018
Minutes Continued**

PROJECT REPORTS

Cliff Goldstein reports that his RV-14 painting is complete! He recently flew it to Salida, and had it at BJC for the JAA Fly-In. Steve Paschke has cut out the windows on his Adventure 333 and hopes it will be flying this year. Phil Brown is sourcing seals from Aircraft Spruce to remedy oil leaking from his Pober Pixie. Jeff Jones is starting build on an RV-14A and promises to take less than 6 months to get it painted.

SAFETY REPORT – Stephanie Wells

Stephanie asked if we'd been discussing frayed rudder cables. She described a Citabria that ground looped at Longmont due to a rudder cable fraying inside its housing against a stanchion. Bill Mitchell has seen several frayed cables, usually in hard-to-see areas. He recently was tasked with moving a Glassair from Longmont to RMMA – a brake cable failure put him in the taxiway centerline, resulting in lots of paperwork for the FAA and NTSB. He said he wasn't knocking inspections – but things can still be missed.

Glenn Hetchler discussed damage from wind at Parkland Airpark in Erie – one neighbor lost his hangar door, another his garage door. The Erie METAR at 14:18 on June 8th forecast was "fair and breezy", but there was a 26 mph gust at 14:26 and at 14:38 the windspeed was 25 mph gusting to 63 mph. Glenn had taken a friend flying that day, but asked them to spend the night before so the flight could be in the morning.

YOUNG EAGLES – Cliff Hasenbalg

Next event is Saturday June 16. There are new volunteers for the ground crew, and the event is short only one pilot (due to the Boulder 1940 Gala).

YOUNG AVIATORS – Scott Serani

Busy! The Young Aviators hope to raise money at the Boulder 1940 Gala, the next weekend is the Longmont Airport Expo, then Oshkosh in July.

The Young Aviators Challenge program held test flights last Saturday (June 2). These are scratch built RC craft – one looked like a flying toaster! Interesting watching 10-12 year olds discussing issues. Herrill will have videos.

TECH COUNSELORS

Tom Schibli is looking for tech counselor help for his Kitfox build.

FLIGHT ADVISORS

No report

OLD BUSINESS

Mary Mitchell told us that Ted Lemen's celebration of life will be held at 11:30 on 6/17 at Front Range.

NEW BUSINESS

Phil Brown asked for a show of hands for AirVenture and encouraged first timers to go, also asked for volunteers for the KidVenture B-25 and wing rib building activities.

ANYTHING ELSE?

Phil asked if anyone understood the numbering convention for American Screw Sizes - #0, #1, etc. Is it based on #size x.013+.060?

MILE HIGH EAA Chapter 43
June 9, 2018
(minutes continued)

Cross-Pollinating – Scott McEwen

Middle and high school BEST (Boosting engineering, science, technology) Robotics Overview. BEST was started by 2 Texas Instruments engineers in Texas and has proliferated nationwide since. Hubs host a 6-week program in the fall semester. At kickoff the game rules, playing field schematics, and kits are distributed to the teams. Practice Day is one week before Game Day. The hubs fundraise to pay for kit consumables – servos, electronics, etc. are returnable to the hub. The Game is based on a real-world theme – the theme for 2017 was Crossfire: Search and Rescue. The robots had to knock over Solo cup “fires” and rescue small manikins. Four teams compete in a series of 3-minute round robin matches. Three finalists go on to regional competitions. There are two competitions – the Game is required; the BEST award is optional and much more rigorous, including marketing and exhibition. The kits are identical; the robots are unique. Students are the sole participants and decision makers. Adults are advisors and coaches only.

In Closing

Phil Brown offered Chapter business cards to hand out to interested parties and closed the meeting at 8:10.

TONIGHT'S PROGRAM

Phil and Bill fly to Bishop CA (Part One)

Phil Brown and Bill Mitchell are both CFIs. There's a common belief that CFIs know everything about flying; they don't. Bill loves flying in the mountains but isn't comfortable flying out in the flatlands. Phil is still wary of flying in the mountains. Why Bishop? Phil's dad used to travel there for work in the summer and took the family along. Phil and Bill will be flying a 1960 Piper PA-2 Comanche. Following are some of the tips from both pilots.

- Keep an eye on your variometer and rate of climb - stay out of sinks and milk the lift areas.
- Check fingernail color for oxygen level or consider a pulse oximeter.
- Engine out – try landing up slope, essentially stalling close to the surface.
- Never get to where you have nowhere to go, always have a way out.
- Read “Joy of Soaring” – work lift and stay out of sinks.
- Your flight won't go as planned, that's okay.
- Fly the upwind side of sloped, where the wind is going up the hill.
- Fly close to terrain.
- Fly so a 45° turn will diverge – a 180° turn takes too long.
- Lift on the hot (sunny) side of a ridge, especially if it's not overgrown.
- Fly airport to airport, overflying unless you need to land. Safer in case of issues.
- Look out the window.
- Military MOAs – GPS dropouts should be NOTAM'd but might not be obvious.
- Bishop has gliders – hard to see! Gliders may not have radios.

Respectfully submitted,
Val Gregory
Chapter 43 Secretary



Membership Enrollment Information
(Needed for Current Roster & Chapter Correspondence)



MANDATORY INFORMATION: *If nothing has changed from last year, this is all the information required. We need EAA Membership # and EAA Renewal date to comply with EAA Charter and Chapter 43 by-laws.*

Date: _____	Annual Dues or	\$25.00
Name: _____	Save! 5 years for	100.00
National EAA Membership #: _____	Scholarship Donation (Optional)	____.00
EAA Membership Renewal Date: _____	Total	.00

Are you a: *Scholarship donations are tax deductible.*

Technical Counselor Yes ___ No ___
 Flight Advisor Yes ___ No ___
 CFI Yes ___ No ___

*Please make check(s) payable to:
 EAA Chapter 43
 P.O. Box 1725
 Broomfield, Co. 80038-1725*

NEW MEMBERS PLEASE COMPLETE - RETURNING MEMBERS OPTIONAL INFORMATION: *Supply any information that may have changed from previous year (if you want a field deleted from your record, please tag it).*

E-Mail Address: _____	Home Phone: _____ - _____ - _____
Spouse: _____	Cell Phone: _____ - _____ - _____
Street: _____	
City, State, and Zip: _____	

HOW WOULD YOU LIKE TO BE INVOLVED IN THE CHAPTER?

Participate in Young Eagles functions, either as pilot or volunteer? _____	Pilot	Yes ___ No ___
	Ground Crew	Yes ___ No ___
Arrange, Or Be, The Program For One Of Our Meetings? _____		Yes ___ No ___
Host A Chapter Meeting At Your Project? _____		Yes ___ No ___
Run for a Chapter Officer Post? _____		Yes ___ No ___
Interested in attending hands-on workshops (under consideration)		Yes ___ No ___

AIRCRAFT INFORMATION:

Note: Status: ---Built, Building, Restoring, Considering, etc.

<u>Make, Model</u>	<u>Status</u>	<u>Based At</u>
_____	_____	_____
_____	_____	_____

To keep costs down the monthly newsletter is delivered via E-Mail (unless otherwise requested). We also send out periodic news items by e-mail.

2018 Chapter Officers

President	Phil Brown	303-506-3886
Vice President	Cliff Goldstein	720-280-2916
Vice President	Scott McEwen	303-895-5058
Secretary	Val Gregory	303-908-1252
Treasurer	Myles Lee	720-295-8778

Board of Directors

Phil Brown (Chairman)
 Cliff Hasenbalg**
 Stan Specht**
 Jeff Jones*
 Zach Malone*

(Note: *- 2 year terms expire end of 2019, **- 2 year terms expire end of 2018)

Volunteer Officers

Technical Counselor	Jim Sutton	303-598-4205
Technical Counselor	John Reuterskiold	303-881-3517
Technical Counselor	Bill Truax	303-249-2578
Technical Counselor	Phil Brown (fabric, wood & tube)	303-506-3886
Technical Counselor	Stewart Bergner	303-229-7799
Flight Advisor	Bill Mitchell	303-427-4025
Newsletter Editor	Val Gregory	303-908-1252
Young Eagles Coordinator	Cliff Hasenbalg	303-744-8180
Young Aviators Advisor	Pat Miller	303-666-8233
Young Aviators Advisor	Scott Serani	303-358-2858
Data Base Editor	Tim Stansbury	719-494-7398
Web Master	Steve Paschke	303-451-8490
Safety Officer	Stephanie Wells	303-503-0147
Refreshments	John & Roxie Juul	303-466-2600
Audio/Visual	Herrill Davenport	303-460-7789
Scholarship Chairman	Eric Serani	303-918-5446
Scholarship Fundraising	(Volunteer Needed)	

CFI's in Chapter 43

Phil Brown	303-506-3886
Mark Davis	303-425-4080
Dave Dooley	303-358-0506
Joe Gilmore	720-318-5100
Jeff Hinkle	303-550-2291
Bill Mitchell	303-427-4025
Mike Sutton	720-515-5269
Richard Treat	303-868-0451
Stephanie Wells	303-503-0147