



Mile High Flyer

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



Volume 45 Issue 4 On the web @ www.eaa43.org

April, 2018

President's Message

It came to me on the recent outing to Hill Air Force Base in Utah. I watched Major Brent "Poker" Choate tunnel his way into a supersonic F-16A Fighting Falcon. One has to stand on the seat of the 32'8" wingspan fighter to get in. It's a small plane for ~\$14.6 million, 3' less wingspan than a Piper Comanche. Your legs go into what are best described as tunnels surrounded by instruments and controls. You strap into a seat angled back at 30°. Scott Serani commented that it looked tighter than my little Pixie. It was, a bunch tighter.

My thought.... What a gift it is that we have. Not the fighter pilots, but us, you and me. How lucky we are that we can get into our own private planes. Our planes are planes that we own, care for and often built ourselves, our planes that we can fly when we wish. We don't have to brief for hours, we don't rely on crews to service our aircraft, we aren't responsible to commanding officers or worse, taxpayers. We can take off when we wish. We can depart for nowhere in particular, and change our mind on the way. We can give rides, and do. We have freedom of choice, freedom of time and destination, even freedom not to go if we don't like the conditions. We can fly low or high, and if properly rated we can go fly with the clouds. We can do things that were unimaginable through most of the human existence, things that were but dreams for the likes of Leonardo da Vinci. We are mighty lucky.

And we are gifted too with EAA, with an organization of like minded folks.

Please remember to keep your ears open for chapter hangar opportunities!

-Phil Brown



Next Meeting - [Saturday, April 14, 2018](#)

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

Presentation for the April Membership Meeting

Dustin Putnam Chief Pilot Kepler Spacecraft

Dustin received his Bachelor's degree in Aerospace Engineering from Iowa State in 1994 and his Master's degree in Aeronautics and Astronautics from Stanford University in 2000. He has worked at Ball Aerospace for nearly 18 years as a spacecraft control system engineer. His work has primarily focused on spacecraft orientation control, but he has also worked in the mechanism pointing and tracking area. He started work on the Kepler program in 2004 just prior to preliminary design review, and continues to support spacecraft on-orbit operations. He has supported numerous other spacecraft during his time at Ball as well.

Dustin will speak to us about the Kepler Spacecraft, which orbits the sun and observes patches of sky for extended periods of time to find small anomalies in space.

Dustin will talk about the Science of what the telescope is observing, and then the mechanics of building, launching and piloting, the spacecraft to insure a stable craft so that the telescope is as still as possible, to observe distant objects.

Upcoming Events Calendar

Submitted by *Don Smith*

2018 EVENTS

APRIL

- | | | |
|-----|-------|--|
| | 10-15 | Sun 'n Fun 2018 International Fly-in and Expo, Lakeland FL (LAL)
http://www.flysnf.org/ |
| Sat | 14 | EAA Chapter 43 Membership meeting, BJC, 7:00 pm |
| Fri | 20 | EAA Chapter 301 Membership meeting, 7:00 pm
(http://www.eaa301.org/meeting-location) |
| Sat | 21 | EAA Chapter 43 Young Eagles Rally, EIK 7:30 am |
| Sat | 21 | AOPA Rusty Pilots at Greeley-Weld County Airport, 9:00 am – 12:00 pm |
| Sat | 21 | Who Shot the Red Baron Down? 11:30 am - 4:00 pm (doors open at 10:30 am)
Vintage Aero Flying Museum, Platte Valley Airpark |
| Sat | 28 | EAA Chapter 301 Young Eagles Rally, FTG 7:45 am |

MAY

- | | | |
|-----|----|---|
| Sat | 12 | EIK Open Hangar Event and EAA Chapter 43 Picnic, 9:00 am - 3:00 pm |
| Fri | 18 | EAA Chapter 301 Membership meeting, KFTG, 7:00 pm |
| Sat | 19 | EAA Chapter 43 Young Eagles Rally, EIK 7:45 a.m. |
| Sat | 19 | AOPA Rusty Pilots at Northern Colorado Regional Airport, 9:00am – 12:00pm |

In this issue:

- This month's title picture started out as a nod to both Sun'n'Fun (where the Thunderbirds were scheduled to star in the Saturday and Sunday airshows) and to March's chapter event, a tour of Hill AFB in Utah by Chapter 43 Scholarship Committee member Captain Tyler McBride, where the above photo was taken in the F-16 final assembly hangar of the F-16/A-10/C130 Depot. Sadly, the Thunderbirds lost Thunderbird 4 and its pilot, Major Stephen Del Bagno, in a training flight accident at the Nevada Test and Training Range on April 4th. The Thunderbirds performance schedule is currently cancelled pending the accident investigation.
- I just realized that Chuck from Chicken Wings (the comic on the next page) is restoring a Corsair! Yeah, it's not mentioned specifically in this comic, but it's part of a series. The selection of this comic is a nod to the awesome folks at Platte Valley Vintage Aero Flying Museum who are putting together a full WWI fleet, with completed Fokker D-VII and SPAD XIII aircraft now flying and a British RAF SE-5A in work.
- See the next page for a really interesting event on April 21!

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 got a couple of additional comments on the March newsletter that I missed until I started this newsletter (need an apologetic emoji!), but YOU still have a chance for cookies in April if you find something in this newsletter. Let me know at newsletter@eaa43.org (and I promise I'll check the mail before I start cooking this time!)

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.

Open House April 21, 2018

Doors Open
10:30

100th Anniversary

Doors Close
4:00pm

Who Shot the Red Baron Down?

Open House Schedule

- 11:30 Lunch
- 12:30 Talk
- 4:00 Doors Close

Call 303.668.8044
with questions



Hot Dog, Chips
and a Drink

\$6.00

Fund Raiser lunch
benefiting

The Vintage Aero
Flying Museum

Home of

The LaFayette

Foundation, 501c3

Special talk commemorating the 100th anniversary of the day the Red Baron was shot down. Come hear historian, Andy Parks, explain his theory of how and who shot Baron Manfred von Richthofen down on April 21st, 1918

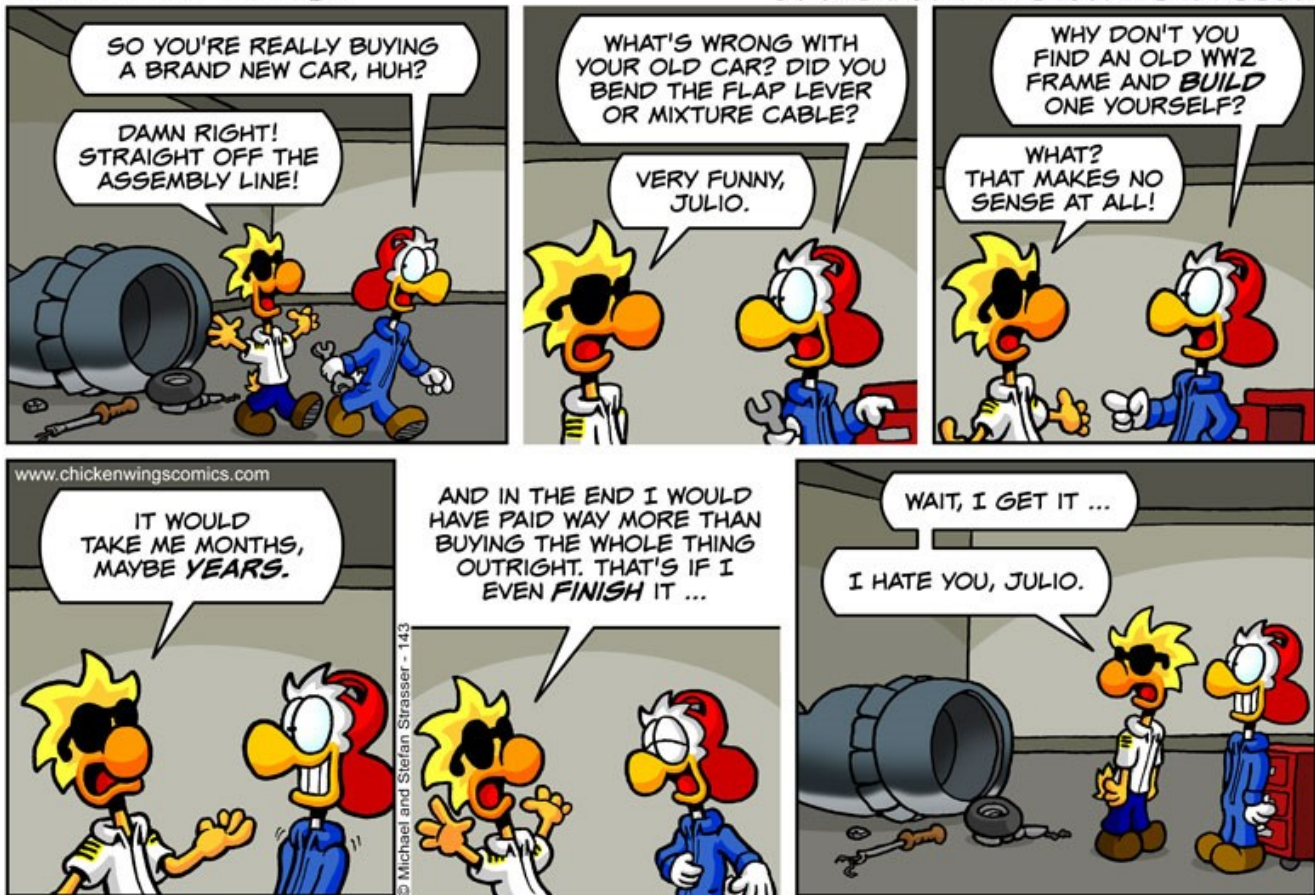


Vintage Aero Flying Museum
Platte Valley AirPark (18V)

7507 CR39, Ft. Lupton, CO 80621 follow signs to hangar

CHICKEN WINGS®

BY MICHAEL AND STEFAN STRASSER



Want Ads & articles for publication may be sent to the editor - newsletter@ea43.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!

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

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

Want Ads Cont'd

Stits SA3B Playboy N1294V

Recently appeared in the weeds outside the fence at "Frightmare", near Old Wadsworth and 108th. Contact Karl Sutterfield, kasutt@blindhog.com for more information.

According to the FAA Registry Inquiry, N1294V is an amateur built experimental powered by a Lycoming model O-290 Series 140 hp piston engine. Its airworthiness certificate is dated 09/18/86.



Above is an example picture of the single seat low *folding* wing aircraft in flying condition.

Around the Chapter

- ◆ Thanks so much to our incoming Membership Coordinator and Database Manager, Tim Stansbury, and to John Reuterskiold who's been in that position for the past 13 years. They're still working on transferring the position, so you might send any announcements for a Chapter email blast to both.

MILE HIGH EAA Chapter 43
March 10, 2018

President Phil Brown opened the meeting at 7:03 pm.

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

Matt Crosby is thinking about building a Zenith 750 and getting current. Don Bernard is getting back into flying after 30 years away. Emmett Dowling lives near Erie and is a pilot for United. He's getting his GA to fly family. Greg Dwulet is a grad student at CU and is getting back in to flying. Tom Binard came in late but signed up on the guest clipboard. Phil reminded everyone to wear their nametags (Scott McEwen forgot his!) and handed out Lifetime Member name tags to Steve Beach and Scott Serani.

ANECDOTE OF THE MONTH

A series of jokes, including the wife who goes to see a fortune teller – "Your husband will meet a violent end!" "Will I be convicted?"

ANNOUNCEMENTS – Anything to share with the Chapter?

John Evens has sold his T-18 and it has left for its new home in Louisiana. His Kitfox will be ready for its airworthiness inspection week after next (Mar 19-24 timeframe).

Thom Schibli's Kitfox kit was delivered today (Mar 10).

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

Bill Mitchell motioned that the minutes be accepted, Scott McEwen seconded and the minutes were approved. Jeff Cain, John Evens, and Steve Beach received cookies for catching errors in the March newsletter.

TRIP REPORTS

None.

SCHOLARSHIP – Scott Serani

Scott shared a note from a scholarship winner's mom.

PROJECT REPORTS

Zach Malone completed gluing up his Pitts S-1 ailerons today (Mar 10).

SAFETY REPORT – (Photo of military crash into hangar)

Bill Mitchell related his recent accident at Longmont. He was flying with a new T-18 owner who needed 2 hours with a CFI. The plane had a recent A&P inspection. Jay, the pilot, was very professional. The wind speed was approximately 3 kts. They took off, performed maneuvers, landed, taxied and took off again. On the final landing, the plane veered to the right even though the left pedal was to the floor, went off the runway and flipped. The pilot is paralyzed from the solar plexus down, maybe permanently. He is 28 years old and very fit. Bill blacked out during the accident and didn't come to until in the hospital. His injuries included 2 broken ribs and a punctured lung, along with facial, arm, and scalp cuts from the canopy. The A&P inspector may not have inspected the control cables thoroughly – it broke at a passthrough, though there was no binding in previous operation. Someone brought flowers to the hospital – for Mary. Cliff Goldstein called Bill while the doctor was stitching Bill's arm and joked that the doc was doing the best he could with the material at hand. Bill thanked Mary publicly for her support. There was a question about the harness – it was good, because Bill was still hanging in it when he was removed from the plane. Zach Malone asked about the roll structure – it was present

MILE HIGH EAA Chapter 43
 March 10, 2018
 (minutes continued)

SAFETY CONTINUED

and largely undamaged. Glenn Hetchler asked Bill to repeat what would have happened if the cable had broken in the air – it probably would have resulted in a non-survivable crash. There was no crosswind at Longmont. Bill and Jay were sent to separate hospitals to spread the load.

Stan Specht showed us an LED light used for inspection which was accidentally left in his engine exhaust on a flight to Greeley. He had wondered the night before if he'd put it away, then forgot to check before taking off. Make notes of stuff like that!

Bill Mitchell told a story of selling a T-18 to a mechanically-challenged Niwot banker. The banker asked Bill to install a brake system, but he declined and the banker got someone else. The plane nosed down under braking and broke the prop, and Bill suggested that the banker plug/cover the carbs while the cowling was off for the prop replacement – the guy called a few days later with engine problems – he'd left the plugs in.

Cliff Goldstein sold his Bonanza (after flying it for 21 years) to a former F-16 pilot (her husband was a C-17 pilot and her parents worked for United). Cliff went up with her to shoot some touch & gos – she started to land sideways in a crosswind, used to the F-16 which can land crooked and straighten. She was unable to land on the runway centerline.

John Evens was filming the departure of his T-18 when he was interrupted by a phone call from Tony Cochran. Then the T-18 returned because the pilot couldn't hear the radio clearly. They troubleshot the headphones and jacks, and finally pulled the radio for bench testing at the shop, where it worked fine. Turns out the pilot had brought his standalone Garmin ADS-B and its lithium ion battery was the source of the RF interference.

YOUNG EAGLES – Cliff Hasenbalg

195 credits from 2017 means \$975 for the Chapter 43 Young Eagles, based on 175 flights in Cliff's records. Robert Ellis in Haviland, KS donated his 34 flights to Chapter 43, resulting in a total of 209 credits! Cliff suggested that Chapter 43 Young Eagles consider a traveling Young Eagles Road Show – holding events at Fort Morgan, Sterling, and other outlying airfields. Advertise in the local newspaper a month before with the Young Eagles website for signup. 32 kids are signed up for the 3/17 event along with 6 pilots and 5 ground crew. Cliff reminded pilots to check their paperwork, currency, and Youth Protection training. Cliff listed the pilots that he still has 2017 awards for. He told us that the credits are used to send kids to camp at Oshkosh and to pay for supplies for the Young Eagle events.

YOUNG AVIATORS – Scott Serani

The Young Aviators kicked off the year at the Longmont Expo Maker Faire, running B25 missions and assembling cell phone stands while in line – 350 cell stands completed in 2 days! Walt Barbo from the Fantasy of Flight Foundation has donated an enclosed trailer to the Young Aviators, who are now looking for four flight simulators they can install in the trailer. Dave Shenk noted that there were 50 to 60 exhibitors at the Maker Faire.

TECH COUNSELORS

Phil Brown inspected Nick Pfannenstiel's Timber Tiger last week. He discussed bushings in through holes and leading-edge protrusions.

FLIGHT ADVISORS

No report

OLD BUSINESS

Phil reported on the Chapter outing to the Forney Transportation Museum – 7 attendees.

MILE HIGH EAA Chapter 43
March 10, 2018
(minutes continued)

NEW BUSINESS

Chapter Picnic in May – The Chapter plans to reach out to ALL Erie flyers to open their hangars from 9-11. At around 11:30, head to Myles Lee’s hangar on the east side of the airpark for a potluck cookout. The date will be the 2nd Saturday in May, May 12. Bill Mitchell suggested a Chapter 43 handout. Pete Watkins asked about moving the picnic to a different month, since weather in mid-May can be dicey.

The Jeffco Aviation Association (JAA) will hold their annual fly in at RMMA on Saturday June 9 from 6am to 1pm. There’s a free pancake and sausage breakfast, and aircraft judging at 9am. <http://flyins.com/events/view-event.html?id=7870> for more information.

Eric Serani is organizing a Chapter Outing to Hill Air Force Base and the Hill Air Museum in Utah on Thursday, March 29. Attendees can fly into Ogden or Bounty regional airports, others plan to drive.

Cross-Pollinating – Cliff Hasenbalg

Cliff is a 24-year member of the Colorado Model A Ford Club, which has a membership of 120+ families. He’s also a member of the Model A Ford Club of America. He’s served on the Board of Directors 4 times (2-year terms) and has been the Parade and Contest Chair and Secretary. He has attended regional meets in Tulsa, Des Moines, Wichita, Kansas City, Omaha, and Dallas, as well as national meets in Cincinnati and Reno. National meets for 2018 will be held in Reno and Branson, though the Colorado Club will be taking Amtrak to Reno rather than driving. Cliff owns a ’28 Phaeton and a ’29 pickup. He described a recent accident with the pickup on I25. Club members wear period dress for events, which include manifold cooking tours! The Hubley Derby (an event similar to the Boy Scout’s Pinewood Derbies) originated with the Colorado Club. Cliff showed photos from a recent Natchez, Tennessee to Missouri tour, including a roadside clutch repair. There’s a good availability of OEM parts and tires, including Burt’s Early Ford in Denver. Next month’s Cross-Pollinating segment will be presented by Glenn Hetchler.

The business meeting closed at 8:17.

Respectfully submitted,
Val Gregory
Chapter 43 Secretary

TONIGHT’S PROGRAM

Gina Moretto is an FAA Safety Manager. Her career includes time with the DoD, Army, and Air Force Reserve with 21 years of carrier experience and 2 years with helicopters. She advised us to treat old aircraft with care. Starting 7 years ago she started reporting on accident investigations and probably cause – maintenance issues are more visible, especially failure to follow procedures. The manufacturing process of parts is showing more defects, especially in landing gear. Gina commented that in her military career, she has seen lots of round patches in old war birds – signs of battle damage.

Human factors – how does maintenance relate to safety? Air Transport Canada came up with the “Dirty Dozen” factors that contribute to 80% of aircraft failures. Items with an asterisk tend to dominate:

- | | |
|--------------------------|---|
| 1. Lack of Communication | 7. Lack of Resources |
| 2. Complacency | 8. Pressure* |
| 3. Lack of Knowledge | 9. Lack of Assertiveness |
| 4. Distractions | 10. Stress |
| 5. Lack of Team Work | 11. Lack of Awareness |
| 6. Fatigue* | 12. Norms (We’ve always done it this way) |

Gina showed a YouTube video on the Dirty Dozen. She told a story of finding an antique bucking bar in a C-130 wing flap. FAAsafety.gov has courses; Cliff Hasenbalg asked if the courses can be credited to AMT. The FAA has an awards programs for technicians and pilots.



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

Mile High EAA Chapter 43

Disclaimer

Be aware that as always, in past, present, and future, any communications issued by Experimental Aircraft Association Chapter 43, 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, opinion, 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 43, 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.

This newsletter is published by Chapter 43 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 43 or the Experimental Aircraft Association. The submission of articles, comments, or inquiries for publication in the newsletter is encouraged - email to newsletter@eaa43.org.

Mile High Flyer
EAA Chapter 43
P.O. Box 1725
Broomfield, CO 80038-1725

First Class



Meetings are normally held on the second Saturday of each month at 7:00 P.M.—Location determined monthly. See Page 1 for details of the upcoming meeting.