



Mile High Flyer

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Next Meeting

Saturday, July 13, 2013

7 P.M. @ the Mt. Evans Room in the Terminal Bldg. @ Metro Airport. The program will be a "show n' tell" presented by Pat Claar, who is completing construction of his RV-12. Weather permitting, the aircraft will be displayed in front of the terminal building.

Editor's Corner

The fly-in season is upon us, and Chapter 43 member Cliff Goldstein and I were fortunate enough to attend a Thorp gathering at The Valley, a private flying community near Mountain Home, Arkansas, the weekend of last month's meeting. Just a hint... the "Mystery Airplane" photo below was taken at that fly-in.



"Oshkosh" time will be here soon. This year marks the 50th anniversary of the Thorp T-18, and the 60th of the Wittman Tailwind. I'll be there and I hope you will be too. It'll be the 16th time I've taken my T-18 to the "Big Show".

Our thanks to Glen Hetchler for presenting last month's program!

John



In This Issue:

Page

Gary Gregory's Kitfox project	2—4
Upcoming Events Calendar	5
Young Eagles Report	6
Young Aviators Report	7—8
Want Ads	9—10
Chapter Officer Info	11

The submission of articles, comments, or inquiries for possible publication in the newsletter is encouraged.
Send to the Editor at: newsletter@eaa43.org



This month's "Mystery Airplane" - Answer on page 5.

My Kitfox Build – by Gary Gregory

I spent 30 years designing spacecraft as well as some work on F-16, F-35 and related spin-off projects, so naturally I would be more attuned to building an all metal aircraft, right? So what am I doing building a tube and fabric plane anyway?

Considerations were:

- Light Sport legal (Don't want to deal with the FAA medical every year).
- Two place, side-by-side seating (a "sharing" preference for both my wife and I).
- As close to the 120 knot LSA max cruise as possible (Although I expect most flying to be "around", we do want to go places too).
- As close to 100 lb cargo capacity and useful volume for camping gear (opens the door to many possibilities).
- Prefer good ground visibility (I like looking down at what I'm flying over; I can look up at the sky anytime).
- A solid factory and design (Undertaking a build is challenge enough).
- And pleasant to fly (I found at least one big selling LSA that was actually annoying to fly).

So I tried on and/or did demos in a few with a bias for all metal:

- Sonex (Lack of headroom even without headset and no shoulder room even for two thin folk in T-shirts, and no real baggage, so did not even demo it).
- Zenith CH750 (Flew surprisingly nice, but little baggage and sooooo sloooooow.....)
- Vans RV-12 (Nice to fly and pretty good visibility down ahead of the wing, fast LSA, but limited baggage volume).
- Kitfox S7 (Nice to fly, super visibility, monster baggage volume and weight, a bit slow but you can fly with the doors open. Of course there is that tube and fabric thing).
- Rans S19 (Nice to fly, fast LSA, better baggage than the Vans, but I felt it would take the longest to build).

Can't really explain how I rationally arrived at choosing the only fabric plane of the lot, but I figure it will best suit the majority of the flying I expect to do. And although my wife, Val, seemed to carefully avoid influencing my choice, she allowed later that it was her favorite too. And did I mention that you can slow down and fly around with the doors open?!

I knew I would never get a plane built while I was working full time, but when I decided to go to half-time in 2011, I ordered the Kitfox firewall aft packages. The kit arrived that spring and a few months later I accepted an early retirement anyway. Life can be so tough. And did I mention that wife Val is 120% behind this endeavor?

(Continued on P. 3)

The basic design has been around awhile. Here's pattern work for a cover plate utilizing middle ages artisan skills:



So how is the build going? Certainly not as fast as I thought a retired guy could do. And I have not touched fabric yet, but I have:

- Epoxy bonded a bunch and learned how to not make quite so much mess or waste too much.
- Shaped, and riveted and painted a plethora of items to build up the tail surfaces, controls and basic interior.
- Learned to swage cables.
- Learned to lace tie my wiring as I had seen the technicians I worked with do for so many years on our spacecraft builds.
- Still learning when to leave spacecraft and military jets behind and just build per the instructions, but sometimes the career engineer won't be quiet. And plus or minus 1/8th inch is never going to be close enough. (Yeah, I can hear Stan chuckling now about those darn engineers.)

(Continued on P.4)

I briefly considered a faster, swept-wing variant, the SpeedFox:



Yet to come:

- Avionics/panel (Expect to pretty much go with Dynon SkyView)
- Lighting (Want to be seen, though orange paint should help)
- Upholstery (Already slaughtered a couple of cows)
- That fabric thing (which I actually kind of look forward to now)
- And, oh yeah, there's the whole firewall forward to come. (Rotax 912)

Concerns going forward:

- Don't let Stan eat too much ribs or cake, 'cause I need him around for sanity checks.
- Make sure John is always at least a step or two ahead of me on his Kitfox build.

Upcoming Events Calendar

Submitted by Don Smith

JULY

- Sat 6 11th Annual Pancake Breakfast, Granby (GNB), Sponsored by EAA Ch. 1267,
7:00am - 11:00am <http://www.eaa1267.org/>
- Sat 13 Kelly Airpark Annual Pancake Fly-In Breakfast, CO15, Gary Casey Hangar, 7:00 am.
- 11:00 a.m.
<http://www.kellyairpark.com/pls/apex/f?p=101:201:>
- Sat 13 EAA Chapter 43 Membership meeting, BJC, 7:00 pm
- Mon 15 Aspen Flying Club Wings Safety Seminar, 6 pm Centennial Airport Ramada Inn
- Tue 16 Colorado Airspace Safety Coalition meeting, Mt. Evans Room, BJC, 7:00 pm
- Sat 20 EAA Chapter 43 Young Eagles rally, EIK, 7:45 am
- Sat 27 EAA Chapter 301 Young Eagles Rally, FTG 7:45am
- 29-8/4 EAA AirVenture Oshkosh 2013 <http://www.airventure.org/>
- Tue 30 SAA Picnic, EAA Chapter 252's clubhouse, north end of Wittman Field, 4 pm

AUGUST

- Sat 3 EAA Chapter 301 Young Eagles Rally, FTG 7:45am
- Sat 10 Erie Air Fair, KEIK
- Sat 10 EAA Chapter 43 Annual Pizza Party, Lynn Miller's home, EIK, 6:00 pm
- 16-18 Sport Aviation Association Midwest Fly In 2013 Wynkoop Field ,
Mt. Vernon, Ohio
- 16-18 Rocky Mountain Airshow KBJC <http://www.cosportaviation.org/home.html>
- Sat 17 EAA Chapter 43 Young Eagles rally, EIK, 7:45 am
- Sat 17 9th Annual Classic Aircraft & Car Show, KFTG
- 28-9/2 2013 AAA/APM Invitational Fly-in, Antique Airfield (IA27) near Blakesburg,
Iowa

Mystery plane answer: The twin-engine D-1 Wing Derringer was originally designed by **John Thorp in 1958 as the Thorp T-17. The aircraft pictured is owned by Wendell Green, and is one of only a very few flying examples.**

Young Eagles Report

Submitted by Terri Bazacos

The June 15th Young Eagle rally proved to be a smaller than usual rally but the experience was certainly no less than any other rally. Nine youth participated on a decent Saturday morning where the winds cooperated with us. Those on the ground were Ken Scott, Phyllis Scott, Jim Elliot, John Elliot, Ron Miller, Mike Powell, Scott Serani, John Reuterskiold, Terri Bazacos, Herrill Davenport, and Greg Hall. Pilots who provided the in air experience included Al Godman, Dave Bieseimeier, Eric Serani, Myles Lee, and Tyler Garrod.



On June 27th, twelve youth from Camp Gan Israel out of Longmont officially joined the ranks of many others who had an opportunity to participate in a unique aviation experience and have their names recorded in the world's largest logbook. This Young Eagle rally was made possible because of the amazing volunteers who were available on a Thursday morning. Jim Elliot and his daughter, Wendy, provided ground school while pilots Steve Beach, Tyler Garrod, Stephanie Wells, David Copp (EAA 648), and Terri Bazacos were in the air. Two of the youth had an even more rare experience flying in David Copp's Enstrom 280FX helicopter. The temperature reached the high 90's and provided cold start challenges as well as high oil temperatures but through the challenges, all twelve youth had their chance to operate the aircraft controls in the air and experience earth from above.

The next Young Eagle Rally is scheduled for July 20th at the Erie Airport. If you are interested in participating and are not already on the e-mail list of volunteers, please contact Terri Bazacos at youngeagles@eaa43.org or at (720) 675-8643. Pilots must be a member of national EAA, but ground crew do not have to be members.

Up-to-date **YOUNG EAGLES** information is available on the website -

<http://www.eaa43.org/youngeagles.htm>



Latest updates and information...

Our last meeting was held Saturday (June 115th). Our field trip to Metro Airport turned out to be a real treat. We were originally supposed to get a tour of Airport Ops (fire engines, snow plows, etc.) followed a tour of the tower. Unfortunately the tower tour had to be cancelled which had frowns plastered on the faces of most, but was, at the last minute, replaced by a special tour of the firefighting operations. Everyone was taken inside the gates and talked to by the staff on how they mix and apply the slurry, how they actually plan and drop those loads and best of all got to climb inside one of the C-130's complete with a detailed explanation of how all the equipment worked.

Those frowns on everyone's face at the news of the tower tour cancellation were quickly replaced with big time smiles and enthusiasm for what they all got to experience. (**see pictures on page 8**).

On June 22nd, four of the YA's attended and worked the Longmont Expo having brought all of their simulators. Everyone had a great time introducing those simulators to (what we are guessing to be) about 6-700 kids. What a day!

OUR NEXT MEETING:

Our next meeting will be held on Saturday, July 20th from 11am to 1pm at Scott Serani's hangar. This work session will mostly be about discussing and planning the next phases of the full simulator. In this session, we'll likely not be doing any actual assembly as we will be now thinking through the next steps in this complex project.

For all those we met at the Longmont Expo and had expressed an interest in learning more about the Young Aviators, by all means stop by on the 20th and meet all those kids your age who have that same passion for aviation that you do.

Submitted by Scott Serani

For those interested in learning more about **Young Aviators**, feel free to contact: Ms. Pat Miller: email - millerr967@aol.com
or visit us at youngaviators@eaa43.org



STRATUS ADS-B RECEIVER FOR SALE: 1st Generation. Compatible with ForeFlight (see Sporty's Catalog for details). I purchased it about a year ago for \$799, now selling for \$699 at Sporty's, I'm asking \$599 OBO. Worked perfectly the last time used. Includes RAM suction cup mount. Call Stan Specht 303-807-4699 or sourdostan@aol.com for more details. (I'm upgrading to 2nd Generation.)

Erie engineering & manufacturing company seeks energetic individual for inside sales/customer service position. For consideration candidate must have customer service experience, computer knowledge, phone answering skills, excellent written and oral communications skills with purchasing experience a plus. Preferred skills would also include a background in manufacturing, warehousing, quality control and possess mechanical aptitude. All candidates expected to dress appropriately for a job interview. We are a smoke-free facility.

Cliff Goldstein

Eclipse Engineering, Inc.

2540 S. Main Street

Erie, Colorado 80516

Ph 303-460-1540

Position Available

NEW (never installed) **Narco AT-165 Transponder with rack** for sale. I will take offers to purchase it. Detailed information & original sales invoice available.

John Ewan (970) 227-5998 johnewan42@gmail.com

For Sale: RV-7 empennage w/ many extras—\$1,500.

Contact: John @ (303) 907-9509

Looking for ride to Oshkosh

Got an extra seat? Please Contact:

Ty Gunnlaugsson

Cell phone: 817-897-3907 tyboyg11@gmail.com

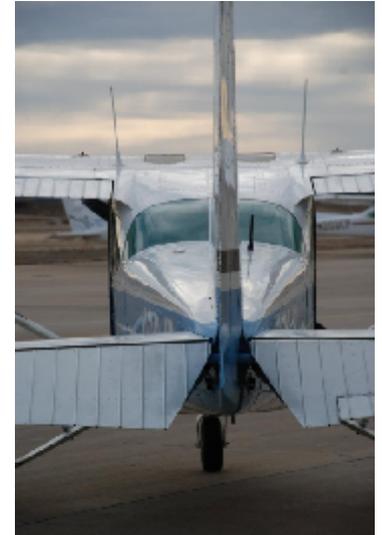
Ty is an 18 year old Private Pilot (SEL & Glider)

FOR SALE

1979 Cessna 172N Skyhawk II



Registration: N90JR
 Type: Single Engine
 Year: 1979
 Make: Cessna
 Model: 172 Skyhawk II
 Aircraft Location: Erie, Colorado



Price: \$59,900

Contact Terri Bazacos @ (720) 675-8643 or tbazacos@gmail.com

Description

Total Time: 6560 hours
Engine Time: 305 hours SMOH on 0320-H2AD,
 Engine by River City Aircraft Engines in Texas
 Compression 77, 76, 77, 76
Prop: McCauley Propeller, Model
 1C160DTM7557M1
Annual Due: October, 2013, all AD's complied
 with

Avionics

IFR equipped
 KMA 24 Audio Control System with Marker Beacons
 Dual KX-165 Nav/Com System
 KI-206 VOR/LOC/Glideslope Indicators
 KI-208 VOR/LOC
 Sperry RT 359A Transponder/Encoder with Mode C
 Pilot and Copilot PTT
 Four Place Intercom with Pilot Isolate
 DC Quartz Hobbs Hour Meter
 Davtron M800 Digital Clock
 Avionics Master Switch
 Music Jack that yields to ATC transmissions
 Garmin 295 Dock in Instrument Panel
 Artex ME406 ELT
 Post Lights

Airframe

43 gallons (40 usable)
 Pilot's side articulating seat
 Factory Shoulder Harnesses
 Skylights
 Ground Power Receptacle
 Outside Air Temperature Gauge
 Pitot Heat
 Factory Extended Baggage Compartment
 Wingtip Nav and Strobe lights
 Whelen LED Headlamp
 Wheel Pants
 E-Z Heat Engine Heater

Interior: Blue interior, Rated 8 of 10

Exterior: Overall white with light blue major and
 black minor accent in a stock original scheme.
 Rated 8 of 10

History:

Damage history shows that in 1987 the aircraft
 sustained wind damage. Fin, rudder, and both
 wings replaced. Repainted in 1998.
 Complete log books

2013 Chapter Officers

President	Dave Biese-meier	970-669-2286
Vice President	John Reuterskiold	303-881-3517
Vice President	Lynn Miller	303-666-8233
Secretary	Stephanie Wells	303-503-0147
Treasurer	Myles Lee	303-277-1775

Board of Directors

Dave Biese-meier (Chairman)
 Bill Mitchell*
 John Evens*
 Brian Cabebe**
 Terri Bazacos**

(Note: *- 2 year terms expire end of 2013, **- 2 year terms expire end of 2014)

Volunteer Officers

Technical Counselor	Dave Biese-meier	720-480-5825
Technical Counselor	Art Schwarz	303-421-2930
Technical Counselor	Robert Smith	720-556-9066
Technical Counselor	Jim Sutton	303-598-4205
Technical Counselor	Bill Truax	303-249-2578
Technical Counselor	Peter Will	303-656-0678
Flight Advisor	Bill Mitchell	303-427-4025
Flight Advisor	Dennis Moss	970-330-4509
Newsletter Editor	John Evens	303-420-2724
Young Eagles Coordinator	Terri Bazacos	559-618-0159
Young Aviators Advisor	Pat Miller	303-666-8233
Data Base Editor	John Reuterskiold	303-881-3517
Web Master	Brian Cabebe	303-748-5570
Safety Officer	Stephanie Wells	303-503-0147
Refreshments	John & Roxie Juul	303-466-2600
Audio/Visual	Herrill Davenport	303-460-7789
Scholarship Chairman	Lynn Miller	303-666-8233

CFI's in Chapter 43

Cleon Biter	303-678-7524
Richard Brown	303-558-0793
Mark Davis	303-425-4080
Bill Mitchell	303-427-4025
Tom Shaw	303-275-0904
Stephanie Wells	303-503-0147

Mile High EAA Chapter 43

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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.