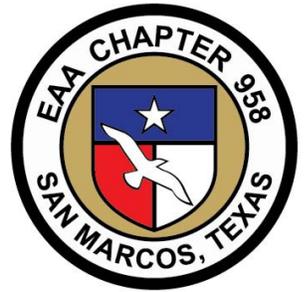


Flightline



EAA Chapter 958 San Marcos, TX
Where every day is a good flying day!

September 2018

Hangar Talk

Monthly Meeting
September 15, 10:00 am
At Redbird Skyport Conference
Room
San Marcos Regional Airport

VMC Culb @ 9:00 am
RedBird Conference Room
Moderated by: Terry Ross

Program:
"FAA Tower Update"
Presented by: FAA Staff

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Hello Chapter 958
Hope the new month has been good for you and you've been able to get your fill of aviation activities.

A note of thanks to Terry Ross and Matt Naylor for their excellent perspectives last month on why we should attend Airventure at Oshkosh. Many good and sometimes overlooked points.

The Chapter has been busy this month with a committee that's developing guidelines for our proposed youth scholarship to an Advanced Air Academy in Oshkosh, and a committee that developed a presentation to the KHYI Airport Advisory Board.

The scholarship committee consisted of John O'Conner, DJ Seeger, Jack Fairchild and was headed up by David Falleur. The draft of the criteria looks excellent and we thank them for their hard work.

The Presentation Committee consisted of Greg Hughes, Clell Bond and Terry Ross who did the actual presentation at Monday's Airport Advisory Board meeting. Many thanks to Terry for a superb presentation, and I know we'll be getting more

interest and help from the board as time goes on. A suggestion by one of the board members was to get in contact with the CAP by going to one of their meetings and talking about the EAA programs. We will try to do that in the near future.

Chapter Leaders Academy: We're pleased to announce that Mr. Chris Davis will be representing the chapter at the Academy in October. We're also excited to have two other members in the queue for future academies. As we continue to add funds to the treasury we hope to be able to send more than one at a time.

December (Christmas) Meeting: We have the December awards meeting set for December 8th at Kent Black's BBQ in San Marcos TX Starting at 6:00 pm. Mark your calendar and bring your friends.

Talent Needed

As we continue to grow the chapter we find we need additional talent to keep things rolling or should I say flying. We are in need of some **photographic and video** help to document work being accomplished not only by our homebuilders, but by the Young Eagles and the pilots who generously donate their time and resources. We don't need professional quality, but this kind of documentation can prove beneficial when marketing a Young Eagles or Eagles program, or an aircraft building session, or when searching for donations or grants. Please let me know if you can help provide this valuable support.

Also needed is someone who can help **market the chapter** to the local communities and media. We want to reach out to the metro areas of Kyle, Buda, Wimberly, San Marcos and New Braunfels and let them know we are here and available. Any kind of Marketing experience would be a HUGE benefit to the chapter. Let me know if you are able to help.

Greg Hughes "Li'l Angel" poised to receive a substantial donation. If all works out, Li'l Angel may receive a donation that would pretty much cover the completion of the restoration. We are working to get all the logistics in place so the donation can happen.

We have a new student member in Chapter 958, Angel Gonzales. Angel is a high school student in San Antonio who is also concurrently enrolled in Halmark University's College of Aeronautics and very interested in obtaining some first hand experience working on aircraft. As a chapter we would like to extend a warm welcome to Angel and help him gain some additional experience working on aircraft. To that end, Greg Hughes has given him an opportunity to get his hands dirty (so to speak) working on the "Li'l Angel" Good going guys.



Angel getting up to speed on the little C-150



Angel and AOPA member Jeff Rockwood examining the C-150's interior

Fly-Ins/Fly out **Los Alamos Fly-Out**

I am an EAA member who loves to fly and would like to invite you and your chapter members to join me and other members of the US Pilots Association (USPA) for a fun flyout to Los Alamos, New Mexico from Sept. 27-30, 2018.

Group rates for lodging and a fuel discount at Santa Fe airport have been arranged and registration for the flyout, which includes the Saturday evening meal, is only \$45.

The United States Pilots Association is a volunteer, umbrella organization affiliated with many State pilots associations and organizes several flyouts each year. Membership in USPA is invited and encouraged and is only \$20/year, but is not required to participate in flyouts except in cases where a special tour requires security pre-clearance.

For more information or to register, please see or feel free to contact me at the above email address.

Thanks,
Dave Forster
VP, USPA

5TH ANNUAL! STOL Roundup **2018 SEP 28, 29, 30** **HONDO AIRPORT KHDO**

Interested in maybe volunteering part time to help with the event?
Click to [View Volunteer Opportunities on SignUp.com](#)

This is our flag ship event, and 2018 will be its fifth year. Come join us for a great time in Hondo Texas.



Friday at 10:00am is our Free STOL/Backcountry Flying Seminar (with all new content) presented by Mike Vivion, Phil Whittemore, Ken Wittekiend and Paul Brown; afternoon is Air Boss controlled STOL practice; and all day is a great time to hang out and meet other pilots. All are welcome, this is a free event.

Saturday is the Traditional STOL® and Obstacle STOL® competition.

Sunday morning is the Flour Bombing contest.

Free Raffle Prizes- drawn during trophy presentation you must be present to win

Free Competitor Raffle

- Acme Aero - \$1,500 Gift Certificate awarded to Obstacle STOL® Experimental Bush Class winner
- Alaska Rainbow Lodge Flyout Fishing Trip - \$9,550 value
- Airframes Alaska Set of Bushwheels up to 31" - \$3,590 value
- Turnbull Manufacturing/STOL Aircraft Magazine .45-70 Rifle - \$1,000 value
- Aeropod \$500 Gift Certificate
- Beringer Aero \$500 Gift Certificate
- Bushwagon East T-shirts

Free Seminar Raffle

- Fly the Wild & Stay Alive books by Hal Terry
- Contact Flying - The Art of Ground Reference Flying books by Jim Dulin
- Performance Takeoff Computers

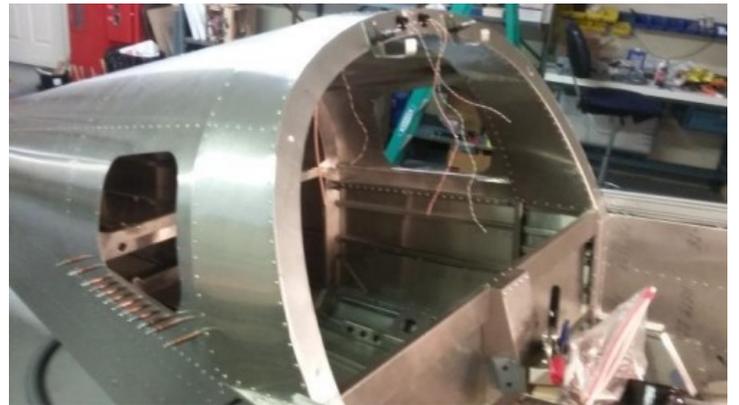
Free Anyone Raffle

- Talkeetna Roadhouse Gift Basket - Longest Distance Flyer

Doug Wahrly's "Sling" Flying along

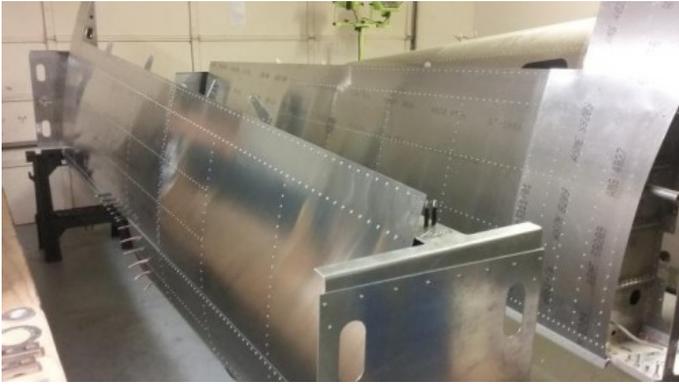
I've made quite a bit of progress on my TAF Sling 2 since my last update in May.

In June - July I joined the central and rear fuselage, ran all of the wiring and antenna coax and skinned and riveted all of the fuselage skins.

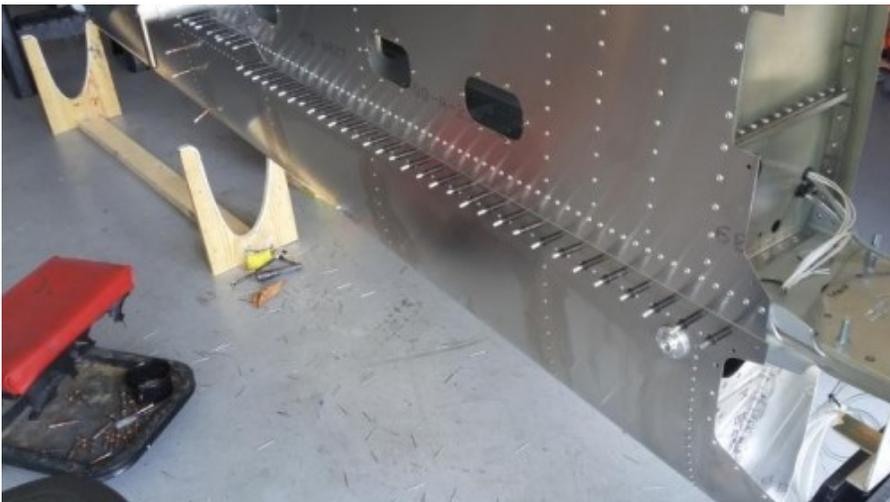


I received my wing kit in July so I assembled the ailerons and flaps, setup the wing spars on twist jigs, installed the ribs, ran wire & tubing for lights & pitot and then skinned and riveted them in August.





This month I worked solely on the wet wing fuel tanks which took much more time than I anticipated, is a real messy and un-fun job, but they are now curing for 3 days while temporarily attached to the wings.



This weekend I'll remove the tanks and test for leaks by lightly pressurizing them with a balloon while dabbing soapy water over all of the rivets and seams looking for bubbles. If all goes well I'll rivet them permanently to the wings next week.

(this unit was mentioned last month by Matt Naylor)

ADS-B

Innovative design should simplify installation

September 6, 2018 By Mike Collins

uAvionix announced that it received FAA technical standard order authorization late on Sept. 4 for its skyBeacon wingtip-mounted Automatic Dependent Surveillance-Broadcast-Out (ADS-B Out) hardware with integral position light. Actually, the skyBeacon product was issued a total of five TSOs: ADS-B (TSO-C154c, Class B1S); GPS position source (TSO-C145d, Class Beta 1); barometric altitude sensor (TSO-C88b), position light (TSO-C30c, Type I), and anticollision light (TSO-C96a, Class II).



“skyBeacon has already become popular in the experimental and Light Sport Aircraft (LSA) categories, and is expected to be hugely popular in the certified aircraft market, too,” said Ryan Braun, uAvionix chief operating officer. “Its speedy plug-and-play installation provides the lowest total installed cost of ownership ADS-B Out solution on the market.”

The addition of an altimeter—and the resulting fifth TSO—late in the certification process delayed the company’s original certification timeline, Braun explained. “The additional component makes the skyBeacon able to address a larger range of aircraft—specifically those with an existing Mode S transponder,” he said, adding that it “allows skyBeacon to provide pressure altitude to surrounding traffic and ATC regardless of the radar coverage.”

Braun said the company was driven to innovate new solutions by skyBeacon’s unique form factor. “This was especially true for the WAAS GPS, where no existing receiver could meet our size, cost, and performance needs. This meant both designing our own GPS, and working with the FAA to develop a new process for certification of complex COTS solutions. This will change the way avionics are developed and certified in the future, increasing technology and lowering cost.”

“This was a magnificent effort by our entire team,” said Paul Beard, uAvionix CEO. “I have never seen a more dedicated, sustained, and high-intensity effort. The patience and guidance of the Chicago ACO and FAA headquarters staff, and feedback from our customers, has kept us pressing forward. Not only has a special product been created, but a roadmap for bringing similarly innovative and cost-effective technology to aircraft has been drawn.”

Garmin International filed suit against uAvionix in June, claiming that uAvionix is infringing on a Garmin patent with technology in the skyBeacon and other ADS-B hardware, AOPA learned in August. uAvionix disputes the allegation and said in a statement that the suit will not affect its certification or delivery of ADS-B hardware.

uAvionix expects to receive supplemental type certificate (STC) approval for for multiple Cessna and Piper aircraft within a few weeks, at which point the company will begin shipping pre-orders. STC paperwork has been submitted, Braun said, and the company is waiting for the go-ahead to perform a test flight using a Cessna 150; following some data analysis after the flight, the STC should be quickly approved.

A tech paper issued by the FAA last year and the referenced Installation Approval for ADS-B Out Systems memorandum explains how certified ADS-B hardware can be approved as a follow-on installation, based on a previously approved STC. After the initial STC, uAvionix said, subsequent skyBeacon installations can be performed on any “suitable aircraft”—any aircraft allowing installation without airframe modification—as a minor alteration, without an additional or airframe-specific STC.

The company also said it would move forward with TSO certification of its tailBeacon product, very similar to the wingtip-mounted skyBeacon but intended for installation on the aircraft’s tail.

Safety Corner

EAA Webinars

Date	Time	Presentation	Presenter
9/17/18	7 p.m. CDT	Flying Start – A new outreach Program For chapters	Kyle Voltz, EAA Chapters Administrator
9/19/18	7 p.m. CDT	Pass Your Checkride Qualifies for FAA Wings credit.	Larry Bothe
9/26/18	7 p.m. CDT	Flying with EAA Virtual Flight Academy Qualifies for FAA Wings credit.	Brandon Seltz
10/3/18	8 p.m. CDT	Turbocharging Systems Qualifies for FAA Wings and AMT credit.	Mike Busch
10/10/18	7 p.m. CDT	EAA Flying Clubs — Growing Participation in Aviation	David Leiting, Chapter Outreach Specialist
10/23/18	7 p.m. CDT	How to Prepare for an Unknown Aerobatic Sequence	Jim Bourke
10/30/18	7 p.m. CDT	Flying to the Bahamas Qualifies for FAA Wings credit.	Mike Zidziunas



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