

PASO ROBLES EXPERIMENTAL AIRCRAFT ASSOCIATION (EAA) CHAPTER 465 NEWSLETTER – August 2020

There will not be a regular August meeting at the Airport Terminal.

The next regular meeting is planned for September 16 at the airport at 7 PM. You can join in person, but must use a face mask, or you can join remotely via Zoom. To access Zoom: (i) download the free Zoom Software to your computer, (ii) open your Zoom account on your computer about 6:55, (iii) click on “join meeting” and enter the meeting number 850 6323 6458 and password 740470 then you will have audio and video access. The meeting will also include a FAAST credit Zoom personation on Aircraft Maintenance at 7:30 – we will provide meeting number and password in the September Newsletter

HIGHLIGHTS OF THE MONTH:

- **We have a full set of activities planned for this fall** including start of our new VMC club, a Fast Start program for new adult pilots, fly-in and fly-outs, a Young Eagles flying day, possibly an engine building activity, etc. However, implementation of each activity is being evaluated in light of the COVID issue, similar to what is done with reopening of schools. Some activities may be cancelled or delayed, and any in-person participation will require face coverings, and social distancing. Monthly newsletters will update the status of each activity, and the web page is updated on a monthly basis.
- **EAA Ray-scholarship Program.** Our Chapter Young Eagle Scholar, Aiden Bajema his solo and a cross country flight and we may soon have enough funds to sponsor the second ranked applicant to his solo flight.



Dave's RV 6 under construction

If you have a favorite photo of your plane or an aviation activity send it to ea465@sbcglobal.net , we may put it in a newsletter and in our Display at the Airport terminal

AIRCRAFT MAINTENANCE – THE LOWLY O RING

STEVE ELLS –CHAPTER CONTRIBUTING EDITOR

Every pilot in some way or another depends on what are commonly called O rings. Those little rubber rings are the seals that keep all the fluid and nitrogen from leaking out of landing gear struts, past brake and master cylinder actuators, to mention only a few chores, and oil from blowing past engine push rod tubes. They're inexpensive and have a shelf life.

The nose gear pneumatic/hydraulic strut on my Piper is sealed with O rings; there's one in the top plug (AN 6227-15); one in the bottom plug (AN 6227-23) and two (AN 6227-30 and AN6230-5) in what's called the strut tube bearing. Current total cost is \$4.81 when this are bought individually from Aircraft Spruce and Specialty (www.aircraftspruce.com).

These O rings can be used in either a static (fixed) as in the top and bottom plugs of my strut or a dynamic (moving) application as in one of the O rings in the strut tube bearing. All of O rings are compatible with the common mineral oil-based Mil-H-5606 (red) hydraulic fluid. They're as common as dirt in the general aviation fleet.

These simple round O rings are manufactured to semi-tight specifications. The thickness of the four O rings here is 0.070 with a 0.003 +/- tolerance. The inside diameter (ID) varies with the dash number but must be within a 0.005, 0.006, or 0.010 +/- tolerance depending on the ID.

As part of the industry-wide plot to keep mechanics on their toes, all the old AN(Army Navy) part numbers have been superseded to MS (Mil Spec) part numbers so the AN 6227-23 is now a MS28775-218; the -15 is now a MS 28775-210; the -30 is a -327 and the -5 is a -227.

In addition to these common O rings, there are also O rings for use in hydraulic apps for high-temperature and high-pressure systems, and for avgas and jet fuel systems. O rings are made of Nitrile rubber, Silicone, Fluoro-Silicone, and Viton.

Installation tips. Always use the correct O ring; don't re-use an O ring; lube the O ring during installation; many mechanics use Dow Corning DC-4 (I'm not sure why except that most mechanics have a tube and it's slippery) or the appropriate fluid; and don't twist the O-ring during installation.

VMC CLUB AND FLYING START PROGRAMS

VMC Program leader Marc Dart , Flying Start Program leader Kendall Pearson

Start-up of these related programs is delayed due to Virus; we intend to get them started this fall or earlier

The Visual Meteorological Conditions (VMC) club is delayed due to the COVID and is anticipated to start at 6 PM before our regular 7 PM meeting in November, depending on COVID. It is targeted at existing pilots who would like to improve their proficiency, learn new skills, tap into the experiences of other pilots and just do some hangar flying. It's also a way to recruit new members to our EAA chapter. The club is an EAA sponsored and supported activity, with many resources to support its mission More information can be found <https://chapters.eaa.org/EAA465/VMC-Club>

The Flying Start program is anticipated to start Saturday AM November 7. The program is targeted to adults who may have been thinking about taking pilot training but may need help in making a decision to do so.. This program promotes and involves interested adults in free half-day aviation/flying introductory seminar. This is followed by a free Eagle flight with similar benefits as the Young Eagle program, but done on a one by one basis as opposed to the day event we do for young eagles. Of course, once an adult starts PPL training, he/she may want to join the above mentioned VMC Club. Full information on the flying start program can be found at <https://www.eaa.org/ea/eaa-chapters/ea-a-chapter-resources/chapter-programs-and-activities/flying-start>

FLY-IN AND FLY-OUT OUT ACTIVITIES:

Fly-Outs:

We are planning these for every other month, they can be linked with our new VMC club. We have two possible fly-outs, depending on the status of the virus, including:

- (i) A Mojave "plane crazy" fly-out which occurs second Saturday of the month fly-in, and
- (ii) The Shafer Wings and Wheels day November 14.

We need a fly-out leader for each to find out for sure the events are happening, provide information to our members, and informally lead the fly-outs

Fly-In

Southern and Central California EAA Chapter fly-in This event is going forward as planned on Sunday Oct. 11, it will have a focus on the Estrella Warbird Museum. The EAA has sent out the announcement to all Chapters within 300 miles, and the FFAST team has agreed to provide FFAST credit for the presentation on the NTSB and is advertising the event. See following for details and we need chapter volunteers to help with plane parking and registration.

**SOUTHERN AND CENTRAL CALIFORNIA EAA CHAPTERS FLY-IN
SUNDAY OCT 11, 2020 - HOSTED BY PASO ROBLES EAA CHAPTER 465**

Join us in Paso Robles for a one-day event centered at the Estrella Warbirds & Race Car Museum www.ewarbirds.org, which has the highest tourism visit rate on the central coast after Hearst Castle!!!



The one-day event will include: participants must to wear masks, do not attend /arrive without one

- Full day access to the Estrella Museum which opens at 10:00 AM
- A catered lunch
- Presentation and “Fast Credit” by the FAA Fast Safety team, and/or a retired NTSB official
- Fuel Discount anticipated

Pre-registered cost per person for the day is \$32 up to Oct. 4, later or on-arrival registration \$42.

To register please send EAA 465:

- An Electronic Mail message to EAA465@sbcgloabl.net, including the: (i) your name(s), (ii) type of plane, (iii) N number, and (iii) your EM and Phone number
 - A check for the number of people in your plane times \$32 to: Treasurer EAA465, 7460 Pinal Ave, Atascadero, CA 93422, or send payment to our EAA 465 Pay Pal Account at EAA465@sbcglobal.net
- Hope to see you there. To find out more about EAA465 go to <https://chapters.eaa.org/ea465> which has a link to send us any questions you may have.

Aviation Building and Repair Projects

Legal Eagle Ultra Lite . This is at the airport and is now running well thanks to Jonnie Via, we need to get together to put on the wings, do some taxing around, Kendall has offered to store it in his hanger, and we need to decide what to do with it in the long run.

Glasair and Engine Donation from Ron Steinberger: this appears to be sold and the funds will go into the Young Eagles program support fund. The Chapter Board approved the use of the funds to assist our second ranked Ray Scholarship applicant (Sean Tomas) to use the funds to finance flying lessons, which should allow him to reach a minimum target of a Solo flight

Engine Build Project: Several members have suggested we get an engine and have interested adult and young eagle members dismantle, rebuild, and run an engine. This could be done repeated times as a learning device, without spending a lot of funds. We have one engine already donated and another possibility. **We need a team leader (s) who could organize and supervise a build day every few weeks, someone handy with a welder to build a test platform, and hanger space where we can house the engine build project.**

YOUNG EAGLES PROGRAM

FREE

Airplane Rides for Youth (Young Eagles) ages 8-17

**Sponsored by the Paso Robles Experimental Aircraft Association
(EAA)**



Paso Robles Airport Terminal

Saturday, Oct 3 from 9:00am-3:00pm

- Aviation Displays 9:00 - 2:00
- Free Flights 9:00 - 3:00

We encourage you to pre-register at

<https://youngeaglesday.org/?yehome>

Phone Darrell Radford for more information 805 464 9863

Face Masks are required for all participating youth, parents, & pilots



Please call Darrell if you can provide a plane or help with the Ground Crew

Chapter 465 is soliciting funds to support its overall aviation programs, in particular introducing and promoting aviation as a career and/or avocation for Chapter young eagle members. Examples for use of these funds include: (i) funds to help the second ranked Ray Scholarship Applicant to start training for a private pilot's license (i.e. **if each adult chapter member donated an average of \$100 we could finance about 50% of training required for a PPL**), (ii) providing YE introductory flights for youth in N. county youth, (iii) sending selected YEs to a summer Air Academy at EAA national headquarters in Wisconsin, and (iv) materials to introduce YEs to building, operating, and maintaining aircraft.

We have already raised about \$4300 from local businesses and Chapter funds from the sale of the Glasair kit and engine parts. All donations provide the donor with a tax credit because Paso Robles Chapter 465 is a 501 © 3 non-profit organization (EIN 84-2139203). Funds can be forwarded to Chapter 465 via PayPal to ea465@sbcglobal.net, or via check to Treasurer, EAA Chapter 465, 7460 Pinal Ave, Atascadero, Ca, 93442.

CLOUD CLIPPERS OPEN HOUSE:

They will be scheduling an “open house” for interested EAA Chapter adult and young eagle members of our chapter on Sunday morning September 13. Participants must wear face masks do social distancing when possible. Call Ron Steinberger at 805 674 5749 for more information, Ron is a member of our Chapter and also a member of the Academy of Model Aeronautics (AMA) & active in the Local “Cloud Clippers” www.cloudclippers.org . They usually meet & fly their RCs on Sunday at their field west of runway 13/21 at the Airport. The plan is to then implement a local version of the EAA “build and fly” program with interested Chapter members. This has proven to be very successful in many EAA Chapters, and the Cloud Clippers already have a kit ready for building. <https://www.eaa.org/ea/ea-chapters/ea-chapter-resources/chapter-programs-and-activities/EAA-Young-Eagles-Build-and-Fly-Program>

EAA CHAPTER 465 HANGER PROJECT:

After review and discussion with members the committee recommended we not try to take-on building a new hanger at this time but rather look at existing options (i.e. donation and use of existing space). We are actively publicizing this option via Facebook, our Website , on bulletin boards, and at businesses at the airport. Tony Gaspar is leading this activity.

Paso Robles EAA Chapter 465 is growing and in need of its own hangar. We are actively seeking a hangar of our own where we can continue to grow our membership, build airplanes, conduct Young Eagles activities and promote general aviation. We are a 501C(3) charitable organization.

Do you have a hangar to donate for a tax-deductible donation? Would you like to donate funds or perhaps an airplane that we can sell to help us acquire a hangar?

Please help Paso Robles EAA Chapter 465 and our local aviation community. Please contact Tony Gaspar at 805-423-1816 or at tony@connecthomeloans.net to discuss how you can help. Thank you!!

SUUMMARY OF ACTIVITIES AND CONTACT INFORMATION

| 2020 EAA Chapter 465 Activity Schedule 08/08 | | | |
|--|---|-----------------|--------------|
| <i>Check Newsletter, Facebook, Web Site for updates and more details</i> | | | |
| TBD | Activity/Event | Contact/Liaison | |
| 08 | No events scheduled – Summer Break | | |
| 09/13 | Cloud Clippers open house at Airport | Ron Steinberger | 805 674 5749 |
| 09/16 | Regular Chapter Meeting, 7 PM, Airport Terminal | Dave Fretwell | 703 606 0865 |
| 10/03 | Young Eagles flight and Pancake Breakfast | Darrell Radford | 805 464 9863 |
| 10/11 | South and Central CA EAA Chapter Fly-in | Dave Fretwell | 703 606 0865 |
| 11/11 | Regular Chapter Meeting, 7 PM, Airport Terminal | Dave Fretwell | 703 606 0865 |
| 11/7 | Fast Start/Eagles program (tentative schedule) | Kendall Pearson | 805 586 0550 |
| 11/14 | Shafter Wings and Wheels flyout | Need leader | |
| 12/06 | Xmas Party, 12:30 PM, Airport Terminal | Dale Ramey | 805 466 3684 |

- **Check out our web site at <https://chapters.eaa.org/ea465>**
- **Check out and post things on our Facebook Page**, Sean Thomas one of our Young Eagles is helping post content on a regular basis.
<https://www.facebook.com/EAAchapter465/?pageid=1372309742934835&ftentidentifier=1411397102359432&padding=0>
- **If you want to join our Chapter we would welcome you (only \$20 per year), see following list of basic events, our member application form can be found at <https://chapters.eaa.org/EAA465/Archives>**
- **Also check out and post things on the KPRB Paso Robles Pilots Facebook Page**