

# Spirit of Flight

### Experimental Aircraft Association Chapter 14: San Diego, CA

**July 2021** 



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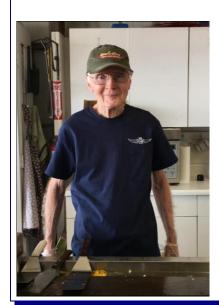
July 10<sup>th</sup>—Young Eagles Rally 0900-1200 July 17<sup>th</sup>—Chapter Meeting



<u>Chapter Activities</u>: Information provided by Chapter members.

Week ending June 5: June gloom started off each day, but that didn't stop stalwart regulars Jimmy Kennedy, Gert Lundgren, Jim MacKinnon, Trevor Pearson, and Ryan from doing aviation related work. The buyer of Ryan's Titan drove down from the Sacramento area to pick it up; it's going back to the same area where Ryan bought it several years ago. Brett Stephens shared that he now has a Luscombe 8A/C project he is working on — we look forward to hearing more about it. Don Ramm was down talking to Gert Lundgren about RV-12s. Don hopes to buy one later in the month. That would be great to have two RV-12s on our airplane roster!

Week ending June 12: Bizarre Spring weather still – gray, drizzly day on Monday which changed into unseasonably warm weather the rest of the week. Jimmy Kennedy set off on a two-week trip to the Northwest area of the U.S. to visit family and friends, including Chuck Stiles who is up in Idaho; next month Jimmy will be off to Oshkosh where he has volunteered in the WarBirds area for almost 20 years. Ed Watson traveled down to the Chapter to say Hi – we hope to see him next month when our Young Eagles program opens up. Gary List was in town and plans on bringing his new plane in within a week. It has had its annual; now he just needs two hours of Dual and he'll be ready to fly it to the Chapter. Both Craig Cornford and Ryan have been working on their engines – a never ending process.



Kevin Roche mans the grille as Chapter 14 re-opens with breakfast on June 19<sup>th</sup>.



Breakfast Bandits! Sharon and Trinidad Lopez (right) make waffles for the hungry hordes while Larry Rothrock (left) sees to everything that's not a waffle or on the grille. 6/19

Ryan and Donna Ryan picked up the pre-packaged food supplies we need for the Chapter re-opening next Saturday – food service is still under some of the COVID-19 health restrictions. The Serendipity Club held a meeting down in Chapter 3 and Ryan roped the members and Jim MacKinnon in to move planes around in Hangar 3. Gary List's new plane will now be in Hangar 3 and Gene Hubbard's Pietenpol is now in Hangar 1. Also, we received our official approval from EAA National for our new Ray Scholarship recipient, Kaitlyn Werner. Congratulations, Kaitlyn!

Week ending June 19: Breakfast Maker extraordinaire, Kevin Roche, opened up Hangar1 at 7 am on Saturday to get ready for our official EAA Chapter 14 re-opening. He was soon joined by Trinidad and Sharon Lopez who had volunteered to handle the waffle station, and Larry Rothock who handled the rest of the food service chores. 2020 Ray Scholarship recipient, Ryan Flores, and his dad Pedro, were busy making and handing out coffee and extras, and 2021 Ray Scholarship recipient, Kaitlyn Werner, along with grandmother Joan Werner, handed out the free EAA 14 mugs to members and visitors. Pent-up demand for our famous pancake breakfast was strong, and Hangar 1 was a hive of activity with many members enjoying the excellent food and good company. We heard that director Alan Sparkes is up in northern California visiting family.

Week ending June 26: Gary List is taking a well-deserved break and going camping for a week – he spent long days in Arizona heat getting his Myers 200 aircraft in the shape he wanted. Received a brief update from Chuck Stiles on how things are going up in Idaho. Chuck shared that his son and EAA 14 member Luke Gambrill has retired from the military and has moved to Idaho as well. Luke is already in training for his new job flying 747s. Chuck is working part time and sharing grandkid watch duties— of course, with Chuck, the kids don't just sit around with their iPhones – they get to go with grandpa to pick up another tractor he bought. A man can never have too many planes – or in

Chuck's case, too many tractors. We miss him and hope to see him when he is next down here.

Frank Verbeke shared a picture of himself next to N502BD back in Oshkosh in 1990. He pointed out that from 1975—2005, his company Alturair exhibited their products for either Swift or the BD5 at Oshkosh. He noted that the banner from EAA 14 was usually on display in his booth and one time in the 1980s a group photo of around 30 EAA-14 members showed up for a photo.

On Tuesday, Roman Hendle stopped by the Chapter. He was a long-time Young Eagle, who now has his pilot's license and is just about ready to take his CFI exam. He next plans on working towards his CFII. Another fine example of how our Young Eagles program has fostered a real love of aviation in kids and is producing pilots.

Member Nigel Worrall dropped in. He has been looking into the Arion aircraft and its factory/builder program. When he was visiting over in Arizona, he stopped by one of their offices to learn more about the program – they guarantee that a builder can get his 51% certificate as they go through the intense build process together. It's an attractive option when you want to be able to fly your own homebuilt aircraft quickly and be able to sign off on the annual reviews. He needs to do more research, especially about insurance, but he plans on going back soon to take a flight (in the summer it is recommended to get there early in the day to do that to avoid wind and heat).

Proud parents Trinidad Lopez and wife Sharon watched their daughter Ashley (our YE Coordinator) do her solo in the Champ for her tailwheel endorsement. On Saturday Gert Lundgren asked Ryan if he's like to take a flight up to Ramona – the answer was obviously yes. Once there, they discovered that there was an RV fly-in going on. Get fit right in and was happy to show his RV12iS to many interested parties.

**General Meeting:** President Trinidad Lopez opened the meeting and welcomed Chapter members and guests. He introduced 2020 Ray Scholar recipient Ryan Flores, along with his dad Pedro, and 2021 Ray Scholar recipient Kaitlyn Werner, and her grandmother, Joan Werner. Both families are long-time volunteers with our Young Eagles program and it is a pleasure seeing Kaitlyn and Pedro on their journey to becoming pilots. Trinidad announced that we plan on Young Eagles activities on July 10th. Meinolf Ruther gave a short reminder about using your checklist before flying, concentrating on 10 specific areas. He provided a memory aide: GUMPS FITTC (Gas, Undercarriage, Mixture, Pitch, Switches – Flaps, Instruments, Trim, Transponder, Controls). Program Chairman Kerry Powell then introduced our speaker for the month: Richard Eastman. See a short overview of Richard's presentation, Pitch, Power, and Habits, later in the newsletter.



# President's Message

Hello Everyone,

We had an excellent turnout for our chapter reopening on June 19th. It was great to see so many members after a closure of more than a year. We are having a

number of promotions to help celebrate the reopening. Stay tuned.

Our reopening continues on July 10th with our first Young Eagles day. There will be a free hamburger and hot dog lunch for all Chapter members and Young Eagles. In addition, our coffee mug giveaway continues. This month a white coffee mug will be given to each chapter member. Our Ray Foundation Scholars will also be giving away cupcakes to everyone who attends.

During our Chapter closure, Young Eagles Coordinator Ashley Lopez decided it was time to give the Young Eagles Nest a facelift. The results are truly impressive. I want to recognize and thank Pedro and Ryan Flores, and Ashley and Sharon Lopez for their efforts in remodeling the Young Eagles Nest. Our two Ray Scholars have been busy as well. Our 2021 scholar, Kaitlyn Werner has now started her flight training and is working towards her first solo. Ryan Flores our 2020 Ray Aviation scholar has now completed his cross countries and is preparing for his checkride.

Looking ahead to August we are planning an outdoor movie night for all Chapter members, Young Eagles, and their families..



Clear skies,

Trinidad Lopez



Frank Verbeke at Oshkosh with his BD-5 in 1989. Frank's company Alturair manufactures parts for both Swift and BD-5 aircraft.

### **Ray Scholarship Update**

### Ryan Flores (2020)



This month, I have successfully completed my solo long cross-country to Redlands, with stops at Hemet-Ryan and French Valley airports. The flight was completed in First Flight's latest procured aircraft, an orange and white Cessna 172 with registration number N20675. The flight went quite well, though density altitude and winds were a cause for slight concern; it was 116

degrees Fahrenheit in Redlands and 105 in Hemet with a crosswind gusting to 15 knots. Despite those issues, the flight was conducted safely, and I look forward to the next and final cross country which will be a night flight to KSNA, John Wayne Airport on 10 July. My checkride is scheduled for 18 October, but hopefully we can find a sooner opening.

I'm nearing the end of the training for my Private Certificate, and I'm excited for what will come next. Thank you for all your encouragement and support!



Katlyn Werner and Ryan Flores take a break from helping out with the Chapter re-opening to watch Richard Eastman's presentation on Pitch, Power, and Habits. 6/19

### Katlyn Werner (2021)

Prior to receiving the Ray Aviation Scholarship I had already started my flight training. Since receiving the scholarship I have a few developments in my journey towards my Private Pilot License. On July 2nd, I completed my first solo flight, this took place at Gillespie Field which is where my training has been based out of. I am



getting ready to do my solo at another airport. Later in the month of July my instructor Sharrie and I are getting ready to do my first cross-country to Hemet, which I am hoping to complete soon. I am thankful for this opportunity and can't wait to share more of my progress.



Katlyn and her Ray Scholarship support team. From left to right: Shairrie Van Duzer (flight instructor), Katlyn Werner, Ashley Lopez (EAA coach), and Joan Werner (grandmother).



New EAA-14 Coffee Mugs. A free white mug to all Chapter members who attend our re-opening Young Eagles day on July 10<sup>th</sup>. Free coffee and cupcakes too!

### Pitch, Power, and Habits

#### **Short Summary by Donna Ryan**

The following information is based on the program talk given by Richard Eastman.

Richard Eastman, long-time commercial pilot, instructor, educator, and FAASTeam Representative, gave a very thought-provoking program on June 19, 2021 on Pitch, Power, and Habits. Richard has been a flight instructor since 1965, and has over 13,500 + hours. He has flown GA in Europe, SE Asia, Mexico, and Canada, plus he flew across the Pacific to Australia in a Cessna 172. He built a Glasair Sportsman 2 + 2. The following summary covers just a few of the highlights of his talk.

Richard began the talk with a discussion about habits. He pointed out that everyone has habits; we don't have to think about them, and they are very useful in navigating everyday life. They are automatic responses to cues we receive – unconscious routines we follow. Whereas cognitive thinking and awareness of the environment take place in the frontal lobe of the brain, habits are created in a different portion of the brain, the basal ganglia buried in the cerebellum, where most automatic life processes reside. Procedures we first learn are the default behavior – even if we learn a new habit, these first learned habits aren't overwritten – they are retained in our memory u.

Why is all this important to pilots? Because we fly using habits and what we are first taught becomes our first learned habits. Training and repetition can override first learned habits, but if our "new" habits have not replaced the "first learned habits", then when an emergency comes up, we automatically go back to the first learned habits.

He explained that pilots operate in both a two-dimensional and a three dimensional world. When we are taxiing, we are still in the two-dimensional world, with the plane being a ground vehicle and subject to earth's gravity. In a twodimensional world, we learn to fly using the following:

- ➤ Power Faster/slower
- ➤ Up is "Up"
- ➤ Down is "Down"
- > Speed is Airspeed

But once we take off, we are in the three dimensional world, where the rules of aerodynamic flight govern and the plane has its own center of gravity. These rules should govern us until the plane actually touches ground again. He stated that first learned two-dimensional habits can be very dangerous in a three-dimensional world and that using them are responsible for most LOC incidents. While the FAA is trying hard to reduce LOC, GA statistics show that there is lots of room for improvement. While some LOC accidents are just the result of poor piloting, 90% happen at the airport while pilots are maneuvering close to the ground, where three dimensional habits should still be in force. Richard stated that normally airspeed is not causing LOC – instead it has everything to do with relative wind, pitch and power.

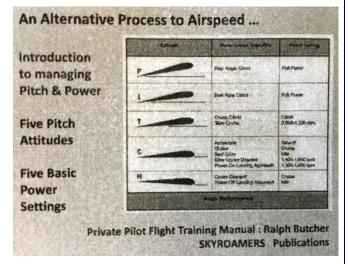


June speaker Richard Eastman explains how 90% of Lossof-Control accidents occur at airports and close to the ground. 6/19

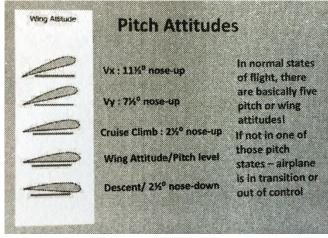
Richard showed a short video from AOPA about this and he remarked that there was not a word about airspeed in the video – instead it was all about AOA and how attitude and power are involved. He stressed that we need to learn habits relating to pitch and power and that those are core to all aspects of flight. He stated that better pilots will fly concentrating on pitch and power and use POH airspeed as verification.

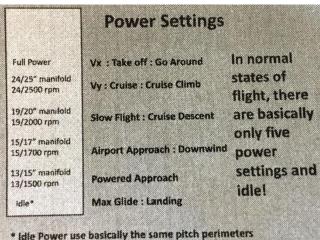
He asked the group, "Are you flying with Pitch and Power habits or Airspeed habits?" He strongly believes that Pitch and Power habits are superior to Airspeed habits and the rest of his talk concentrated on demonstrating this. He stated that in general the airfoils of GA airplanes are similar, thus the pitch and power settings are very similar in all GA aircraft for any desired phase of flight. The major difference is the amount of power generated.

Following are just a few screenshots from two handouts he provided that showcased each slide. They represent just a small portion of his detailed analysis. He also recommended a book by Ralph Butcher, called <a href="Private Pilot Flight Training Manual">Private Pilot Flight Training Manual</a> published by Skyroamers.

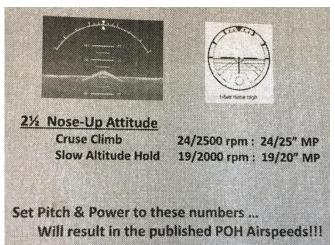


He began his discussion with some specifics about Pitch Attitudes and Power Settings. The following pictures are screen shots from two handouts.





Other slides contained specific information relating to different attitudes, e.g. level, 11 ½ Nose-Up, 1½: 2½ Nose-down. Each example showed how the alternative process of managing Pitch and Power resulted in published POH airspeed. Here is an example.



He suggested that to replace old habits which concentrated just on airspeed with the new habits that incorporated the need for pitch and power, take your flight instructor and fly a number of common procedures using the better threedimensional world actions. Here are a couple of the slides he shared.

#### Procedure

#### Stalls

Common Two-Dimensional World action

Aggressive nose down pitch ... 10/15 degrees : Immediate addition of aggressive power

Better Three-Dimensional World action

Steering with feet: Lower nose far enough to regain airflow over the wings: recover Power as needed

#### Procedure

#### Approach Alignment

Common Two-Dimensional World action

Pointing nose toward runway: adjusting pitch/power/direction as needed

Better Three-Dimensional World action

Stable pitch at 1% nose-down: touchdown target just above the cowl: altitude/sink rate controlled by power

Richard noted that it is hard to avoid or change old habits without clear results that are identifiably better. But we can change habits though. Training and repetition can override first learned habits. First identify the habit, then identify the cue that causes you to react in a certain way. Next avoid that cue or find a new routine, expect a new result, cognitively repeat until the new routine becomes a habit. Richard stressed that all pilots should get with a CFI every six months or so to get and keep new habits until they become the default habits.



Turbo DC-3 seen at Brown Field. This one is owned by Basler Turbo Conversions, the company that re-engined the plane. They call it a BT-67 but to the FAA, it's still a DC-3.



Ryan X-13 Vertijet at the Air and Space Museum Annex. Until a recent hangar clean-out, this plane was hiding in the shadows. 6/9



YE Coordinator Ashley Lopez (center) along with parents Trinidad and Sharon, use downtime from COVID-19 to refurbish the Eagles' Nest. Chapter 14 begins flying Young Eagles again on Saturday, July 10.

### June 19, 2021 Board Meeting





Provisional Minutes - Pending Board Approval

The meeting was called to order by President Trinidad Lopez at 12:51 am on Saturday, June 19, 2021.

Directors and officers present were: Ted Krohne, Ashley Lopez, Trinidad Lopez, Kerry Powell, Jonathan Robbins, Kevin Roche, Larry Rothrock, Donna Ryan, Ron Shipley, Stu Strebig. Directors and officers absent were: Gene Hubbard (excused), Jimmy Kennedy (excused), Gene Lenard, Alan Sparkes (excused). Guests: Gary List, Charlotte Robbins, Andre Zeehandelaar

#### **Board Decisions**

(Subject, moved by, seconded by, pass/fail)

May 29 2021 Board Meeting Minutes reviewed and approved. Kevin Roche/Ron Shipley: passed.

Treasurer's Report reviewed and approved. Stu Strebig/Ted Krohne: passed.

Motion to adjourn. Kevin Roche/Jonathan Robbins: passed.

#### **Action Items**

#### Previous:

Committee composed of Gary List, Trinidad Lopez, Kerry Powell, and Jonathan Robbins will meet to discuss FAA approved simulators and the most practical path forward. They will present their findings at the next Board Meeting. Closed. See Old Business and New Action Items.

Committee composed of Gene Hubbard, Trinidad Lopez, Larry Rothrock, and Ron Shipley will research issues regarding exercising lease options, and present their comments at the next Board Meeting. Closed. See Old Business.

#### New:

Ron Shipley will contact credit unions to see if they can offer higher interest for Chapter funds currently on deposit at the bank and will present his findings at the next meeting.

Hold meeting via Zoom to discuss simulator specifics provided by Kerry Powell.

#### **Old Business**

<u>Hangar Donations</u>: No additional information yet on hangar donations.

<u>Lease Option</u>: No formal action will be taken until we know more about possible hangar donations.

<u>Simulator</u>: The Board agreed that while an FAA approved simulator is desirable, we may need to utilize Chapter funds for more urgent manners. As discussed in a previous meeting, one Chapter member had suggested we write an article in the newsletter to solicit donations to either upgrade

or replace our current simulator once the Committee has identified a practical way forward. Andre Zeehandelaar reminded the committee about the need for obtaining future data updates for whatever option we choose, as well as insurance and warranties. The simulator committee set a meeting time to discuss specifics. Prior to the meeting, Director Kerry Powell provided the committee with a number of documents from the FAA and aviation experts concerning Aviation Training Devices (ATD) to assist in the discussion.

Ray Scholarship: Our 2021 Ray Scholar has been formally approved and initial funds have been sent by EAA National.

#### **New Business**

Moving Portion of Chapter Funds: Ron Shipley provided figures on the interest we are earning on funds currently in a money market account at the bank. Stu Strebig mentioned the fiduciary responsibilities of a non-profit in managing money. The Board previously had voted that any Chapter funds needed to be in a government insured vehicle and the Board reaffirmed their intention to do this. The Board discussed a variety of options available to us and how each could be affected by inflation. Ron Shipley will contact credit unions to identify interest rates available to us and will present his findings at the next meeting.

Reopening Young Eagles: Young Eagles Coordinator and Director Ashley Lopez stated that we are planning on having a small Young Eagles Meet on July 10<sup>th</sup>. While there is a large backlog of young people wanting to participate, a number of pilots have concerns about flying at this time, as a number of children have not been vaccinated. For the July meet, masks must be worn in Eagles Nest and in the cockpit. Hand sanitizer will be much in evidence and headsets will be sterilized after each child uses one. We will also be using the EAA National COVID waiver for each YE. Trinidad and Sharon Lopez will host a hot dog lunch for the Young Eagles. Ashley inquired about the possibility of offering complimentary Chapter memberships to Young Eagle pilots who belong to other organizations (they would all be EAA National members). The Board agreed.

Membership Promotions: Trinidad Lopez stressed the need for continuing to retain and to build our membership. He wants to give members a reason to both visit the Chapter and to participate in a variety of activities. He also wants to encourage some family type activities to encourage young people to be involved in aviation and carry the Chapter into the future.

He suggested three possible activities:

August: Summer movie night for Young Eagles and their parents.

September: Fly-in, Chapter display of projects and planes, BBQ lunch, STEM workshop for Young Eagles

November: Fly out/drive out/camp out to Borrego Springs

<u>Lunches Going Forward</u>: Donna Ryan mentioned that while Chapter lunches are enjoyable for the participants, it has become increasingly difficult to get volunteers to prepare and serve the lunches. Food prices are also going up. She pointed out that few other chapters serve lunch every week. This subject will be addressed further, but for now, no lunches will be served on the June 26<sup>th</sup> (4<sup>th</sup> Saturday) and July 3 (1<sup>st</sup> Saturday). The 1<sup>st</sup> and 4<sup>th</sup> Saturday normally have few members attending for lunch. Snacks and ice cream will be available.

<u>Upcoming Board Meeting</u>: The next Board Meeting will be on Saturday, July 17 after the General Meeting. The following were identified as being agenda items: Simulator recommendations; hangar donations; membership drive, lunch preparation going forward, moving portion of Chapter funds in bank to an insured instrument that pays higher interest.

President Trinidad Lopez adjourned the meeting at 2:00 p.m. Submitted by Donna Ryan

### **Quarterly Pilots Meeting**

Andy Schwarz, Brown Field Airport Manager, notified us of the following important pilots meeting that will take place via the web on July 14. Listed below are instructions on how to log on to the meeting.

You are invited to the City of San Diego Airports, Quarterly Pilots' Briefing via a Zoom webinar.

When: Jul 14, 2021 18:00 Pacific Time (US and Canada) Topic: City of San Diego Airports - Quarterly Pilots' Briefing

Lots of ways to join the meeting. The easiest is to click on this Zoom Link:

https://sandiego.zoomgov.com/j/1610952155

Here are some other ways to join:

#### One tap mobile:

+16692545252,,1610952155# +16692161590,,1610952155#

#### **Telephone:**

US: +1 669 254 5252 +1 669 216 1590 +1 646 828 7666 +1 551 285 1373 833 568 8864 (Toll Free)

Webinar ID: 161 095 2155

International numbers available: https://sandiego.zoomgov.com/u/aeJbt9DXxJ

#### H.323/SIP room system:

H.323: 161.199.138.10 (US West) 161.199.136.10 (US East) Meeting ID: 161 095 2155

SIP: 1610952155@sip.zoomgov.com



### **Marketplace**

Interested in helping build a KR-2S for the Chapter? See photo of current project components below. I will furnish all materials and VW engine to complete the project. Looking for volunteer help for a fast build; would like to complete by the end of the year. Can use woodworking, fiberglass skills or you can learn skills on the job. Text Ryan at 858-229-4875 or leave voicemail to learn more. (6/21)



**SONEX-A KIT.** Firewall aft with empennage. Has VW engine mount and assembly manuals; no wings. Asking \$1,500 or best offer. Text Ryan at 858-229-4875 for more information and additional pictures. (3/21)





## July 2021

#### **Facebook**

http://www.facebook.com/pages/EAA-Chapter-14-San-Diego-CA/134162329986593

## Chapter Website <a href="http://www.eaa14.org">http://www.eaa14.org</a>

#### **EAA Chapter 14 Memberships**

Applications are available at our Brown Field hangars and on our website.

General Chapter Information:

Donna Ryan (Chapter Secretary) (858) 273-4051. Leave voice mail or text. eaa14contact@gmail.com

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Gene Hubbard	(858) 722-1918	nx421gn@gmail.com
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Jimmy Kennedy	(858) 274-6266	jk@kencomgraphics.com
Gene Lenard	(619) 442-4978	elenard@mac.com
Ashley Lopez	(619) 277-8518	ashleylopez8518@gmail.com
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Kevin Roche	(619) 249-1285	tkevinr@rocketmail.com
Larry Rothrock	(619) 507-4455	rothrock@znet.com
Donna Ryan	(858) 273-4051	rryan@san.rr.com
Ron Shipley	(619) 857-5201	ronaldshipley@cox.net
Alan Sparkes	(619) 463-2648	alspa700@mac.com
Stu Strebig	(619) 346-9788	trail2texas@yahoo.com

EAA Chapter 14 (with answer machine) (619) 661-6520

#### **Chapter Events**

Open House at the Brown Field hangars:

every Saturday from 9:00 am to 2:00 p. Lunch at 11:30

**Young Eagles Flights:** 

9:00-1:00 am, second Saturday of the month

Pancake Breakfast:

7:30-9:30 am, third Saturday of each month

**General Meeting:** 10:00 am, third Saturday of each

month

**Directors Meeting:** after lunch in the library. 3<sup>rd</sup> Saturday

**Hangar Phone:** 

619-661-6520

Experimental Aircraft Association San Diego Chapter 14 1409 Continental Street San Diego, Ca 92154-5707