



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

**December 2020** 



Greg Finch visits Chapter 14 with his de Havilland Chipmunk. Photo by Jim MacKinnon. 11/16



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**December 19<sup>th</sup>—Chapter Meeting on Zoom:** Mike Jesch answers questions about the ForeFlight EFB. Watch for an invitation by e-mail.





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

Week ending Nov 7: Up and down Fall weather, but generally very nice down at EAA 14 - not too hot, not too cold. The Club Piper was out frequently as members took to the skies, including Dion Dyer, who is in town and getting in more time. Gert Lundgren sent some photos on the progress he has been making to his RV12 he has been constructing in his garage. He finished the Avionics kit and took lots of photos as part of the building process (see article elsewhere in the newsletter). He is now working on the canopy. Billy Lopez reports he is making progress on his RV-6. The fuselage is coming along and he thinks the wings are 90% done and the tail about the same. He hopes to take the fuselage off the jig by April or May. We got our first rain of the season Friday night, but it didn't stop a number of members from coming by to help Ryan put the wings on his Diamond Katana. The Piper was out flying and Joe Russo moved out the Grumman so there was plenty of room in Hangar 3 to move in the Katana to do the Weight and Balance. Gene Hubbard, Jimmy Kennedy, Joe Russo, and Sebastian Seimer helped with the heavy lifting - and

Ryan got the numbers he needed to do the W&B - so far all looks good.

Week ending Nov 14: Jimmy Kennedy and Ron Shipley decided to take advantage of the Chapter downtime to replace the main electrical panel in Hangar  $1 - a \log \alpha$  overdue project. It took a while to do the preliminary planning – it's a big job, but they came up with a plan that was sensible and safe. Gary List has been really busy doing some last minute upgrades on Richard Kalling's Colt – and it has passed its annual.

We received word that Life Member Stu Cochran passed away at the age of 82. Stu served three stints as president of Chapter 14: 1981-1982, 1987-1988, and 1995. He moved back east in 1995 to retire to a small home in the woods with a 3,000 foot runway, "Thought I'd died and gone to heaven" he said. The Chapter certainly benefited from his passion for aviation.

Week ending Nov 21: Trinidad Lopez provided an update on how our Ray Scholarship participant, Ryan Flores, is doing. Ryan is preparing for his cross country and then he starts preparation for his check ride. Ashley Lopez, our Young Eagles Coordinator is tutoring him in the Ground School portion of his checkride, plus the cross-country portion of the flight training. And another great benefit: She is letting Ryan ride along with her during her Private Pilot cross countries. Trinidad expects that Ryan will complete his training in about 2 months. Great job all around! During the week, a number of members stopped by to catch up with other pilots, including Brett Stephens and Trevor Pearson. Gene Hubbard got to spend some time on his Nieuport, as did Jim MacKinnon. The Chapter held its first Zoom General Meeting with speakers from SoCal TRACON



Gary List pulls Richard Kalling's Colt out of Hangar 3 for the (almost) last time. Gary put a lot of work into helping Richard and his family sell the plane, and the buyer got a good deal.

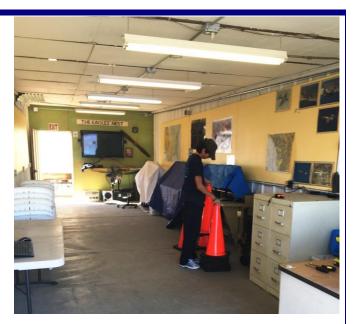
providing the information. Many thanks to director Kerry Powell for setting up the meeting and hosting it. Ron Shipley finished up the final measurements for the electrical panel.

Week ending Nov 28: Beautiful fall weather brought a visitor down to the Chapter who had contacted us about building a project. Ryan showed him around and they discussed a number of options. The man mentioned he was thinking about an RV-6, and Phil Lankford just happened to fly in with his RV-6 – just the man to answer his questions. Also seen at the Chapter either flying or working on their projects: Craig Cornford, Gene Hubbard, Jim MacKinnon, and Jonathan Robbins. Gary List reported that Richard Kalling's Colt was sold. Jimmy Kennedy and Ron Shipley finished the electrical panel. Thanks so much - just another example of the skill set and volunteer spirit available at the Chapter. And there's more. On Saturday, our Ray Scholar, Ryan Flores, helped our YE coordinator Ashley Lopez move everything out of the Eagles' Nest in preparation for a much-needed paint job to our YE classroom. Repainting and repairs should start soon.

*Elections:* All Officers and Directors listed on the 2020 Board of Directors ballots were elected. There were no contested ballots. Your officers and directors for 2021 are: Gene Hubbard – President, Gene Lenard – Vice-President, Donna Ryan – Secretary, Ron Shipley – Treasurer, Jimmy Kennedy – Director, Ted Krohne – Director, Ashley Lopez – Director, Trinidad Lopez – Director, Kerry Powell – Director, Jonathan Robbins – Director, Kevin Roche –



*Ron Shipley looks up from replacing the Main Electrical Panel in Hangar 1.* 



Ray scholar Ryan Flores helps Young Eagles Coordinator Ashley Lopez empty the Eagles Nest in preparation for painting and refurbishing

Director, Larry Rothrock – Director, Alan Sparkes – Director, Stu Strebig – Director. We really appreciate their taking their time to help with the direction of the Chapter. Please feel free to share ideas on how to improve the Chapter with any of the directors – they look forward to your input and to your involvement with the Chapter.

*General Meeting:* President Gene Hubbard welcomed 25 members and guests to our first Zoom General Meeting. Gene announced that all current EAA Chapter 14 members, except for directors and renters, would be automatically renewed at no cost for 2021 (see article elsewhere in newsletter). Trinidad Lopez provided an overview of the progress being made by Ryan Flores, our Ray Scholar. Donna Ryan reported that the ballot slate of officers and directors for the year 2021 had all been approved. Gene Hubbard noted that a Celebration of Life for Pete Grootendorst would be held at the Chapter as soon as health restrictions permitted it. Gene also noted that Kerry Powell had agreed to serve as our Chapter Safety Officer.



Piaggio P180 touches down at SDM. 11/29



## President's Message Gene Hubbard



Last month, Chapter 14 held its firstever general meeting on Zoom. About 25 people attended and it seemed to go pretty well. Rob Reddig Quentin Baca gave us an update on the SoCal TRACON. If you missed the

presentation, read all about it on page 8. We're doing it again this month with Mike Jesch. See "Upcoming Programs" on page 9 and watch for an invitation via e-mail.

Even though we can't meet formally in person, the airport remains open and progress continues on both aviationrelated and hangar maintenance projects. Gert Lungren is installing the avionics on his RV-12 project, as detailed on page 5, Ryan has finished up the cowling on his Katana, and the three Nieuport builders continue to add components and fix previous problems.

On the maintenance side, Jimmy Kennedy and Ron Shipley replaced the main electrical panel in Hangar 1 last month and Ryan has tackled the job of making the doors on Hangar 3 run smoothly again. And in the "above the call of duty" column, Gary List put in a lot of time helping Richard Kalling and his family get Richard's Piper Colt in condition to sell. We're fortunate to have members who are both willing and able to do what it takes to keep the Chapter running smoothly.

When we finally do get to restart in-person Chapter activities, EAA National has introduced several new programs that our members might find interesting.

- 1. In October, Donna Ryan wrote an article about the "Young Eagles Workshop," designed to bring kids back to the Chapter after flying as Young Eagles. We already offer several of the recommended activities with our riveting and "build-a-box" programs, but the YE Workshop provides an opportunity to formalize the activities.
- 2. The Young Eagles Build and Fly program partners with the Academy of Model Aeronautics (AMA) to introduce kids to building and flying radio controlled model aircraft. A lot of our homebuilts are constructed like big model aircraft. If any R/Cers out there are interested in helping start this kind of effort, let us know.
- 3. EAA National has requested that Chapters build, decorate, and donate Adirondack chairs for use at the Blue Barn during AirVenture. National provides the plans; we do the rest. Let's get our logo seen at Oshkosh!

We can't start any of these programs just yet, but COVID will eventually pass and it's never too early to start planning for when it does. If you're interested in participating in any of these activities, let me, or any director, know.

Gene Hubbard

## Eagles Nest Refurbishment

#### Ashley Lopez

On November 28<sup>th</sup> and 29<sup>th</sup>, Chapter 14's Ray Aviation Scholar recipient, Ryan Flores, his father Pedro, and the Lopez family began refurbishing the



Young Eagle's Nest. Over the weekend they cleaned the area and prepared it for the project. They began installing additional wall paneling to fill the gap between the existing sound panels and the ceiling. After completing the wall panels, the next step in the project is to begin covering the ceiling and to prepare the Young Eagle's Nest for fresh paint

**Ashley** Lopez

## **Ray Scholar Update**

#### Trinidad Lopez

Ryan Flores, our Chapter 4 Ray Scholar, spent most of last month reviewing ground school topics with Ashley for a total of 20 hours. He has also flown with Ashley on her Private pilot cross-countries for a total of 10 flight hours. At this point he will resume flight training with Paul Chapman, his CFI.

As his Chapter volunteer work, Ryan is helping to clean up and paint the Eagles' Nest. We are working on it once a week so the project will take approximately one to two months to complete.

The application period for 2021 Ray Scholarship has opened and I will have the 2021 Ray Aviation Foundation application for the chapter completed this week.

## Trinidad Lopez



Ray Scholar Ryan Flores works in an almost-empty Eagles' Nest in preparation for painting.

## **Avionics - RV12**

#### By: Donna Ryan

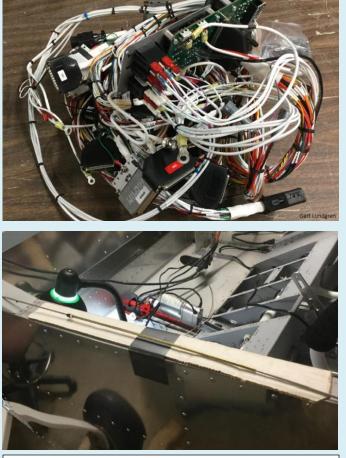
Gert Lundgren's beautiful home-built RV12 is almost complete. We've featured several articles in the newsletter about this meticulously crafted aircraft, and Gert kindly shared some of the photographs he has taken as part of the building process. Gert received the final kit (#06 - Avionics) for the RV-12 earlier this year. He started work on it in June 2020 and it turned out to be an excellent project for these lockdown COVID-19 days as Gert is constructing the aircraft in his garage.

Enjoy looking at all the work involved in getting to this final stage. These photos are organized according to the sections of the RV-12 builder's manual that Gert was working on when he took them. We hope to see the finished airplane at the Chapter soon.



## **SECTION 42 MiS, COMMON ELECTRICAL**

This section, 42 pages long in the Builder's Manual, describes how to connect the main wiring harness to all of the electrical components of the aircraft.



▲ *Electric Trim Servo. One of many electrical components attached to the Main Wiring Harness.* 

*Emergency Locator Transmitter. Another component on the Main Wiring Harness* 

*▲Main Wiring Harness. Connects electrical components throughout aircraft* 

Cable Routing. Typical of how cable bundles are organized in the fuselage  $\mathbf{\nabla}$ 



## SECTION 42 PiS, GARMAN G3XNAV/COM

This Section of the builder's manual describes how to install both the sensors and cockpit displays associated with Gert's Nav/Com system. First, some of the sensors:



▲ Magnetometer in the aft fuselage. This replaces the traditional spirit compass and provides direct electrical input to the ADAHRS.



▲ Air Data Attitude Heading Reference (ADAHRS). This is the computer that measures and combines inertial, magnetic, and air data to calculate display values for the flight instruments.

#### And some of the cockpit displays:





 One view of Gert's glass panel installation. One panel for the pilot, another in front of the co-pilot.

Another view of the glass panel  $\mathbf{\nabla}$ 



 Center console with a two-channel radio, GTN 650 GPS, and autopilot controls

## SECTION 53 BiS, GARMIN ADS-B IN



▲ On the RV-12, the Garmin ADS-B receiver (ADS-B in) lives on this orange bracket on the right side of the aft fuselage, just behind the cabin.

## SECTION 44 BiS GARMIN AUTOPILOT

Gert's dual-axis autopilot installation includes two servos, one each for aileron (roll) and elevator (pitch) control.



▲ Autopilot Aileron Servo



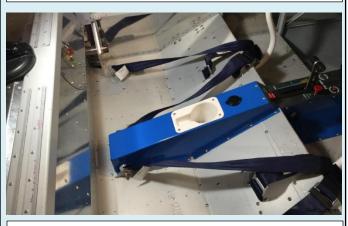
▲ Autopilot Elevator Servo

## SECTION 49U, ENGINE CONTROLS

This assembly section covers the mechanical engine controls themselves and the control tunnel covers that protect the control cables as they pass through the cockpit..



▲ Fuel shut-off valve. This one is always analog!



▲ Cabin view. This photo shows the throttle cable tunnel between the pilot and co-pilot seats, installed along with the engine controls.

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## **SoCal TRACON Outreach**

#### Summary by Donna Ryan

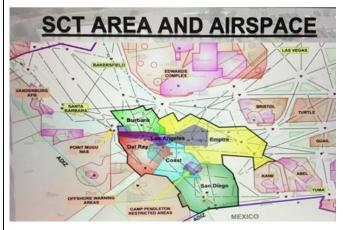
The following information is based on the Zoom program talk given by Bob Reddeg and Quentin Baca from Southern California Terminal Radar Approach Control (SoCal TRACON)

Rob Reddeg and Quentin Baca, both agents responsible for a local area of SoCal TRACON (SCT), provided an excellent, Wings-credit talk, on SoCal TRACON operations. SoCal TRACON is the busiest TRACON in the world. Here are just a few statistics about their responsibilities.

- > 2.25 million operations in FY 2018 and 2019
- > Over 18,000 square miles of airspace
- $\blacktriangleright$  Ground Elevation ranges from -226' to 11,499'
- ▶ Airspace spans altitudes from Surface to 17,000 feet
- ➢ 46 Public Airports
- > 16 FAA Control Towers
- 6 Federal Contract Towers and 6 Military Control Towers
- 2 Class B Airspace
- 4 Class C Airspace
- ➤ 1 TRSA
- Military Restricted Area Complex
- ADIZ & Warning Areas
- International Border
- Busiest drop zone in the world, 120,000-150,000 jumpers a year!

SCT also coordinates activity with Tijuana. While the COVID-19 pandemic has seen a drop in air carrier traffic, there has been an increase in General Aviation (GA) traffic – and, according to Rod, that is the bread and butter of SoCal TRACON.

Operations for six airspace areas are housed in the facility up at Miramar: San Diego, Coast, Empire, Burbank, and two areas (Del Rey and Los Angeles) whose sole purpose is to take care of LAX. Each area requires 30 to 40 controllers.



Rod and Quentin both spent time giving the audience a number of pointers that would make our flying safer. He stressed that it is important, when communicating with them, to give location information that staff will know, e.g. "SeaWorld" or "10 miles east of Gillespie." Don't say something like "Flying Cross" – they don't know where that is. Rob noted in passing that if you need to make a landing at LAX for career purposes, now is the time to do it as it is less busy than it normally is, although traffic is picking up. He reminded pilots they need to land, stop and pay the fee to receive credit for landing. He also mentioned that controllers use every 500 feet of airspace for something, but because the process is controlled, it isn't chaotic. The following slide provides a snapshot of San Diego airspace.



As in previous talks, Rod discussed IFR vs VFR separation requirements and recommended flying VFR when practical as it enables the controllers to utilize air space more efficiently. He recommended trying to have conversations concerning type of aircraft and destination on the ground rather than the air. It is perfectly OK to let ATC know that you are going sightseeing up the coast with no specific destination – just verify your altitude.

He also stated that big aircraft don't get priority; however, as they have less flexibility to make necessary quick changes, this is where GA aircraft can really help out by following directions to do a climb or make a turn to ensure required separation. He noted that SCT reported 289 TCAS Resolution Advisories (RAs) so far in 2020.

Quentin Baca reminded pilots to be vigilant when using the east county practice area. He also mentioned that winter weather is already here creating more potential flying issues besides the normal downdrafts and rapidly rising terrain. He recommended always doing a full weather briefing prior to takeoff. Rod and he also discussed Letter to Airman: LTA-SCT-35 which will go into effect on December 3, 2020. The Letter discussed SCT Practice Instrument Approaches (PIA's). For more information, see the following link.

#### LTA-SCT-35 https://notams.aim.faa.gov/lta/main/viewlta? lookupid=2443791148372727547

Rod pointed out that IFR was not designed for touch and gos – it was designed for takeoff and then a full stop as the destination. TRACON recommends that if you want to practice approaches, use VFR. The more IFRs that are in

the sky, the slower it is for everyone. Rod also mentioned that some VOR's will be decommissioned in the future because of cost issues.

Quentin also went over two statistics for problem areas in San Diego: For the calendar year 2020, we had one problem with a drone and 38 issues with lasers. As a general reminder, six aircraft violated a recent Presidential TFR – and that is a guaranteed 30 day suspension of your license.

Their wrap-up point: No one has a more complete idea of activity in the air than ATC. The more you communicate with TRACON, the easier it is to do their main job: help all aircraft to move from Point A to Point B safely and efficiently.



#### Kerry Powell, Program Chairman

**December: Mike Jesch,** Open Season on ForeFlight. ForeFlight is one of the leading Electronic Flight Bags (EFB) available for iPads and iPhones. Mike will take questions from attendees and demonstrate solutions.

## **New Members**

#### Donna Ryan

Welcome to our new members. The information below comes from their membership application. Some people just



include the essentials; others expand a bit on their experience and we always appreciate that.

Look for them at the next meeting, introduce yourself and get to know them better. We very much appreciate their support.

**Casey Auiler** has rejoined EAA Chapter 14 and we're glad to have him back. Casey is a private pilot with a 1947 Temco Swift, and a 1961 Shinn 2150-A. We look forward to seeing Casey and his aircraft soon.

Henry Sickels is the "kinda" retired General Manager up at Gibbs Flying Service at MYF. He holds a variety of ratings: ATP, A&P, CRI-AIM, and FCC. Looks like he owns at least one Bonanza and possibly more. Many of us have interacted with Gibbs Flying Service over the years and we appreciate having Henry join us.

# Most Member Dues Free for 2021

#### Donna Ryan

In March 2020, normal operations that we knew and loved abruptly ceased at EAA Chapter 14 due to COVID-19 restrictions (which unfortunately continue today). No more General Meetings, no more monthly pancake breakfasts, no weekly lunches, no Young Eagles functions, and on and on. It has been hard on all of us, and the majority of our members have not been able to enjoy the benefits of EAA 14 due to events beyond their control.

Normally, December would see the beginning of our 2021 membership renewal campaign, but this has not been a normal year. Therefore, your Board of Directors passed a motion that would automatically renew your membership in EAA 14, <u>at no cost</u>, except for directors and renters. Renters obviously have still been able to enjoy renting hangar or tiedown space at EAA 14, so it is fitting that they pay required dues in 2021. But for the rest of you (excluding directors and renters), the renewal process will be automatic – you won't need to do anything.

However, the decision to automatically renew your membership at no cost means that the Chapter won't benefit from the membership due income. So, even though you won't need to pay dues, we would really appreciate any monetary donations that you are able to make to the Chapter. Despite the pandemic, we still need to pay for utilities, our lease to the City, and basic upkeep – those bills keep coming.

So, if possible, please send a check made out to EAA Chapter 14 to the following.address:

EAA Chapter 14 Membership 1409 Continental Street San Diego, CA 9215405707.

You can also make a PayPal payment following the steps below:

- 1. Access your personal PayPal account.
- 2. In the upper menu, select Tools, then at the dropdown menu, click Send Money.
- 3. Enter email address: Eaach14@gmail.com
- 4. Enter your donation amount.
- 5. At the Add a note option, enter "Donation from [your name]"
- 6. Send the payment.

EAA Chapter 14 serves as the local connection to aviation for many of you. Help us weather these uncertain times. We all eagerly look forward to the day when we can meet together in person once more.

## November 2020 Board Meeting

#### Donna Ryan, Chapter 14 Secretary



Provisional Minutes – Pending Board Approval

Because of the coronavirus crisis in San Diego, no face-toface Board Meeting was held. However, a motion was placed before the Board which required director approval. On Friday, November 6, 2020, Secretary Donna Ryan sent an email to all officers and directors to vote on the motion before the Board.

Directors and officers present via email: Gene Hubbard, Jimmy Kennedy, Ted Krohn, Gene Lenard, Trinidad Lopez, Kerry Powell, Jonathan Robbins, Kevin Roche, Larry Rothrock, Donna Ryan, Ron Shipley, Stu Strebig. Directors and officers absent: Alan Sparkes, Chuck Stiles.

#### **Board Decisions**

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

For 2021, all current members will be automatically renewed as members of EAA Chapter 14, at no cost, with the following exceptions: directors and renters. Donna Ryan/Larry Rothrock. Passed.

#### **New Business**

<u>Membership Dues</u>: Secretary **Donna Ryan** sent an email to all directors discussing the upcoming 2021 membership campaign. She noted that the majority of our members have not been able to enjoy the benefits of EAA 14 in 2020 due to the pandemic. Several directors subsequently discussed the idea of automatically renewing the membership for 2021 at no cost, for almost all of our members as a goodwill gesture. Two categories of current members would pay: directors and all renters. Directors felt this was an excellent suggestion and a decision was made to pass the motion via an email vote. **Donna Ryan** will write an article for the December newsletter about the motion; the article will stress our appreciation for any voluntary donations made in response to this motion.

The meeting was adjourned on Saturday, November 7, 2020 at 8:54 pm upon the receipt of the final email vote from the directors.

Submitted by Donna Ryan



Evektor SportStar LSA departing SDM. 11/16

## Marketplace

**ZENITH CH750 STOL •** PRICE REDUCED • \$58,975 OBO • LIGHT-SPORT AIRCRAFT FOR SALE! • Built by legendary award winning builder Marv Vanderpool in 2013. Incredible build quality like no other. TT: 72hrs. Mattituck Continental IO-240 125hp. Whirlwind Ground Adjustable Prop. Better Ergonomic Dual Stick Option. Upgraded Nosegear Fork. EarthX Lithium Battery (New2020). GTX-320A Transponder. ICOM A210 Comm. Unpainted beautiful exterior. Beautiful custom interior. Michelin 8.00x6 Tires. Vortex Generators. Last Annual by A&P Nov 2019. Amazing slow speed handling. Light Sport Compliant. • Contact Gleb Doro, Friend of Owner - located San Diego, CA United States • Telephone: 347-575-3102 (11/20)



Highlander – JUST Aircraft • PRICE REDUCED • \$55,950 OBO • LIGHT- SPORT AIRCRAFT FOR SALE! • TT:~700hrs. Rotax 912ULS. 3 Blade - Ground Adjustable -KIEV Prop. Dynon Avionics Skyview. Grand Rapids EIS. Vortex Generators. Good payload capacity. Light Sport Compliant. Not in annual. • Contact Gleb Doro, Friend of Owner - located San Diego, CA United States • Telephone: 347-575-3102 (11/20)





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#### Spirit of Flight 12

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

month **Directors Meeting:** after

> Hangar Phone: 619-661-6520

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

lunch in the library. 3rd

Saturday

Saturday of the month Pancake Breakfast: 7:30-9:30 am, third

**Young Eagles Flights:** 9:00-1:00 am, second

**Open House at the Brown Field hangars:** every Saturday from 9:00 am to 2:00 p. Lunch at

Chapter Events

## **Chapter Website** http://www.eaa14.org

11:30

**EAA Chapter 14 Memberships** 

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

#### **Contact:**

Donna Ryan (Chapter Secretary)

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

## December 2020

Facebook

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

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Jonathan Robbins	(619) 572-5087	snibbornoj@gmail.com	
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