



Spirit of Flight

Experimental Aircraft Association

Chapter 14: San Diego, CA

December 2021



Hangar Manager Ryan tooling around in his KR-2-like mockup. See page 5 for recent progress on his project. Photo by Jim MacKinnon. 11/20

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December 18th—Pancake Breakfast and Chapter Meeting. Mike Jesch talks about modern aerodynamics.

January 15th—Pancake Breakfast and Chapter Meeting. Andy Schwartz and Jorge Rubio talk about plans for Brown Field

Chapter Briefing

EAA Chapter 14 Members



Chapter Activities: Information provided by Chapter members.

Week ending Nov 6: Fall weather was in evidence throughout the week – but so were members visiting or working on their projects/planes. Gary List and Jonathan Robbins continue to work on the Aero Commander, but Jonathan Robbins also took time to help both Gert Lundgren and Trevor Pearson with wiring questions. Nigel Worrall stopped by the Chapter prior to his tailwheel ride at First Flight. He helped with measurements on Ryan's KR mock-up. Dion Dyer was in town. Got a couple of rides in on the Serendipity Club plane. Ryan was contacted about a possible aircraft donation to the Chapter. Prior to picking up the plane, he made ramps for the new Chapter trailer. As usual, Gert Lundgren and Chris Constantinides were out flying in the clear weather.

Week ending Nov 13: On Sunday, Ryan, along with Nigel Worrall and Dion Dyer picked up the donated Sonerai aircraft. Really appreciated their help. See another article in the paper about the donation. On Monday, Jim MacKinnon and Ryan unloaded it. It has flown before – just waiting to be put back together, checked out, and hopefully it will fly again soon. The new Chapter trailer performed well. Gary List and Jonathan Robbins flew the Aero Commander up to northern California to drop off our Chapter simulator and get it upgraded. It should be ready in a month or so, and they'll make the flight again. While it was a great excuse to fly the new plane, we really are grateful they took the time to make the journey and get the process going. It will be nice to have the simulator up and running again. On Saturday, Hangar 1 was busy with Charlotte Robbins' birthday party – which has become a tradition with the Robbins family. The attendees were able to enjoy Young Eagles flights.

Week ending Nov 20: Member Thom Williams reported that "Well, it is time for us to finally look seriously (again) at building an experimental. We are looking at the Glasair Sportsman (<https://glasairaviation.com/sportsman/>). We are flying up to Arlington, WA early December to take a demo flight and look around the Glasair facility." He asked that if anyone has had any experience with this particular manufacturer or kit to let him know. Text Donna Ryan at 858-273-4051 if you can help. On one of his trips to the Chapter, Nigel Worrall cut six 3 1/8 inch holes for the instrument panel for Ryan's KR mock-up. The Aero Commander was out and about, as were several other member planes, including the Serendipity Club Piper, Craig Cornford's Bushby II Mustang, Chris Constantinides' Piper Arrow, and Gert Lundgren's RV12iS. As always, Jimmy Kennedy and Jim MacKinnon were hard at work on their Nieuport projects. Saturday saw our usual 3rd Saturday activities, which started out with Kevin Roche's delicious pancake breakfast. It is a real treat – everything made to order.

Week ending Nov 27: A holiday week with some beautiful flying weather and many of our renters took advantage of it, including Trevor Pearson who flew back from Palm Springs. Preparations got underway for the Chapter Holiday lunch on Dec 11. Hope to see you there.

General Meeting: President Trinidad Lopez opened the meeting and welcomed Chapter members and guests. Program Chairman Kerry Powell introduced our speakers for the month: Gary List and Jonathan Robbins. Our scheduled speaker had to cancel due to work issues, but Gary and Jonathan stepped up to the plate and gave some great practical information on purchasing an older plane, in this case one that had been sitting for years. They outlined the lengthy process they went through to get the plane ready for flight from Arizona over to Brown Field and then all of the upgrades they have made since then. They made a fine presentation.



Current and Future Airplanes: Ryan's KR-2 to the left and the mock-up for his next plane to the right. See article on p. 4 for an update on his progress.



President's Message

Hello Everyone,

It's December and the holidays are quickly approaching. This is the time of year when people gather together with friends and family to celebrate the season.

With this thought in mind I would like to invite all of our members and their families to join us at Chapter 14 for a holiday luncheon.

The luncheon will be held December 11th from 11:30 a.m. to 1:00 p.m. Members are encouraged to bring their families and we only request that you RSVP with Donna the number in your group so that we can get an accurate count for the food preparation. Everything will be provided however since this will be a family style meal, we do encourage members who would like to bring their favorite potluck style side dish or dessert.

Looking ahead to January we will be returning to our normal schedule of events. This will include Young Eagle flights on the second Saturday along with a special luncheon for our Ray Aviation scholars. The third Saturday will include breakfast, a presentation, and lunch.

Finally on behalf of myself, my wife Sharon, and our daughter Ashley we would like to wish all of you happy holidays and a happy New Year.

Clear skies,

Trinidad Lopez

Ray Aviation Scholarship Update:

Kaitlyn Werner

On November 6, 2021, I completed my first solo cross-country flight from 3G3 (Wadsworth, Ohio Municipal Airport) to KMNN (Marion, Ohio Airport). This was an incredible experience and I cannot wait to do my solo long cross-country in the coming weeks. I have also set a tentative date for check ride for January 27th, 2022. This, of course, is partly dependent on weather. I am looking forward to completing my required training and dedicating my time to mock check rides, so I am truly prepared for my check ride. I am of course thankful for the support I have received from Chapter 14; I cannot wait to share more of my progress toward my private pilot rating.



Kaitlyn in the air near Cedar Point amusement park in Lake Erie.

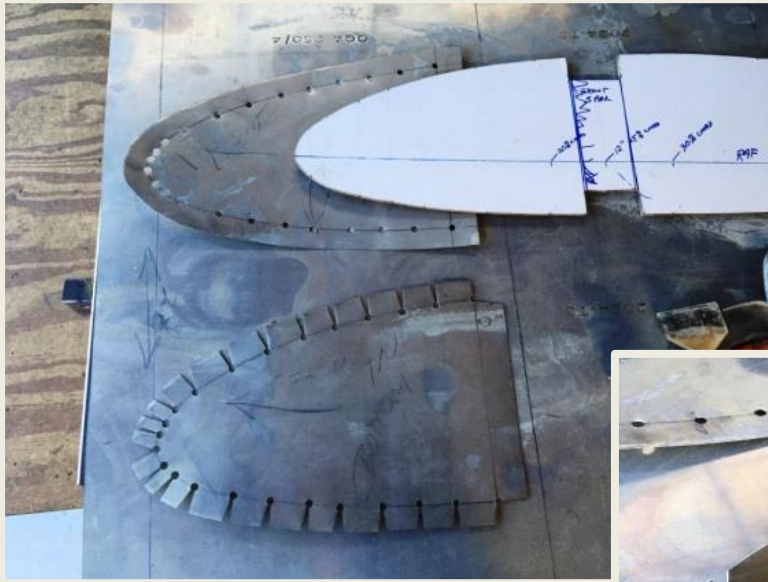


Rough path of Kaitlyn's solo cross-country flight in central Ohio, mapped on the Detroit sectional

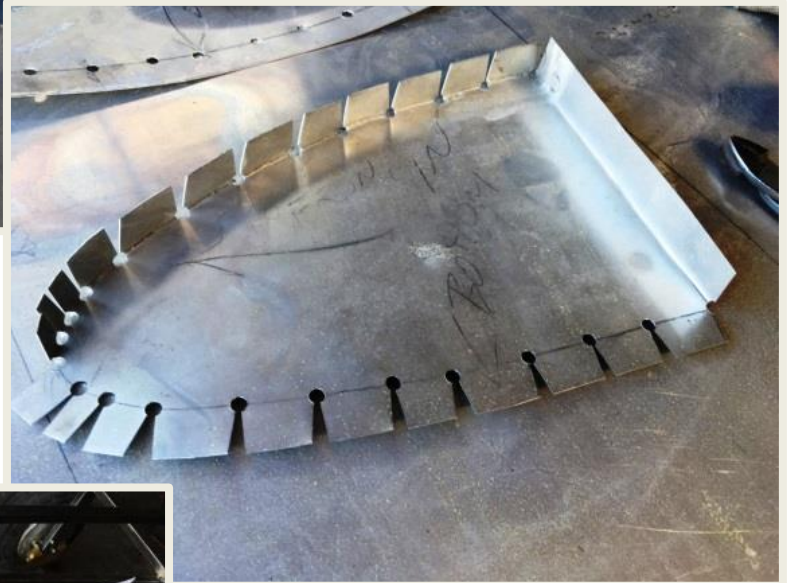
Mock-up – Wings & Things

By: Ryan

November saw more progress on the mock-up of my aircraft. After making a few other adjustments to the frame, I started making a mock-up for the wing.



▲ I traced the template to metal and punched holes for a cutting guide.



▲ Closeup of wing edge shape. Metal was snipped to holes and then bent up to make the shape of the front part of airfoil.



▲ Airfoil front attached to back portion of airfoil.

Airfoil attached to frame. Angle ensured there will be no problem with easy entry into the cockpit. Tray in back holds weights when engine is on the plane. ►





◀ Engine added back to plane in a slightly new position. Exhaust now points down. ▼



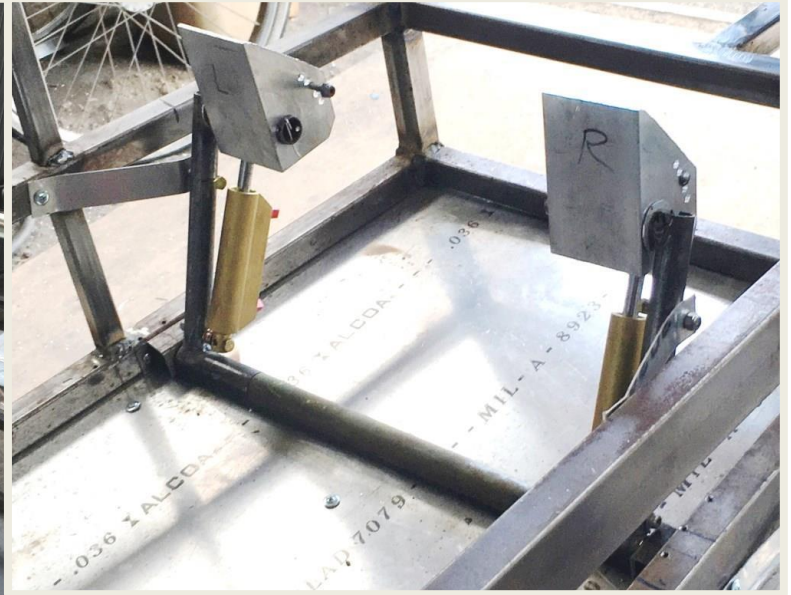
◀ Made the door on the pilot's side (will have one on the passenger side as well). Started out with a suicide door as shown; later switched to conventional door.



Began making the tail. ▶



▲ Fabricated a basic floor using sheet metal.



▲ Made up some rudder/brake pedals. These required several models to get them to be a good custom fit for me.



Started customizing the pilot's seat. Installed wiring to fuel tank for easier temporary starting. ►



◀ Started making instrument panel. Have also added arm rests and a variety of switches.



▲ Continued adding holes for the instrument panel. Used lath to get a basic canopy shape. Some temporary metal bracing is holding it up.



▲ Once I was satisfied with the height (that took a few tries), I welded on a basic shape for the cabin.



▲ Then I tried it out for fit – plenty of headroom.



◀ Next I finished the shape of the cabin back to the tail and added a sample tail.

Sonerai Donation

Donna Ryan

EAA Chapter 14 is the lucky recipient of a Sonerai project donated by Mr. Robert Levin. According to the gentleman who was helping Mr. Levin with the donation, Mr. Levin had purchased the project a number of years ago from the builder, but he “no longer has space for it (or time to work on it) and wanted to see it go to a good home where it will be completed and appreciated for the amazing airplane that it is.”

The plane has actually flown, but it needs to be put back together as it has been sitting for a number of years. Some items that need to be done:

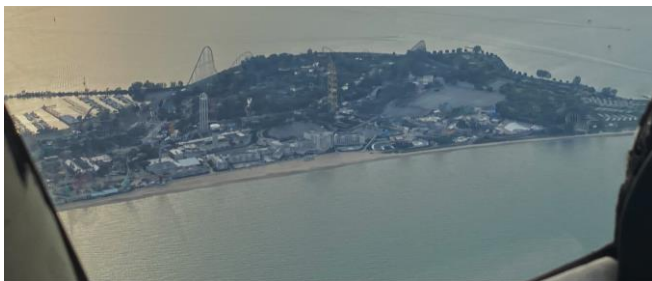
- go through all of the wiring,
- replace all of the rubber fuel lines,
- install the new accessory case for electric starting as it currently is hand propped.

It currently has a HAPI VW engine in it, but we are willing to sell the aircraft with or without the engine. The Chapter is looking for members to help getting it running and ready for sale. Or it can be purchased as a project AS IS. We will be taking offers on it after it appears this newsletter so that all of our members have an opportunity to purchase a well-built experimental aircraft.

Please text Ryan for more information and pictures at (858) 229-4875.



Donated Sonerai. Offered “as is” to Chapter Members first. But don’t wait—text Ryan now if you’re interested.



Cedar Point Amusement Park in Lake Erie. Photo by Ray Scholar Kaitlyn Werner on one of her training flights.

New Members

Donna Ryan



Welcome to our new member. The information below comes from his membership application.

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

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

Finbar Sheehy just recently moved down from Santa Monica and hopes to relocate his experimental-LSA Sting-3 as soon as he can find hangar space. Finbar has the following rating: Private, Private Glider, IR. He was active in the Young Eagles program before, and hopes to help out in offering Young Eagles/Eagles flights once his plane is moved down here. He is looking forward to getting to know our members. Hope to see him (and his plane) down at the Chapter soon.



Kerry Powell, EAA-14 Program Director

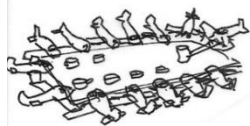
December 18: Mike Jesch talks about modern aerodynamics and gives us a look into the secret Jedi mind-tricks of the Aerodynamic Masters.

Discovering the basics of effective aircraft control was the forte of the Wright Brothers, but those early airplanes were pretty difficult to control. As the science of aerodynamics evolved, much was learned about how better to make the airplane do what we wanted it to do, how to improve control response and harmony, how to make a wing that could be used in more corners of the flight envelope, and how to make that flight envelope larger. In this presentation, Captain Mike will take us for a walk around the airport and explore some of the real results of that research, as applied on modern aircraft today.

Captain Mike Jesch plies the skies of the Pacific Ocean by night in a Boeing 787, but by day he owns and flies a Cessna 182, or whatever his clients bring by to fly that day.

January 15: Andy Schwartz, Brown Field Airport Manager and Jorge Rubio, Deputy Director, Airport Management talk about plans for Brown Field

Learn from the mistakes of others. You won’t live long enough to make all of them yourself



November 18, 2021 Board Meeting

Donna Ryan, Chapter 14 Secretary

Provisional Minutes – Pending Board Approval

The email virtual meeting was held on Thursday, November 18, 2021 beginning at 12:28 PM.

Directors and officers present were: Gene Hubbard, Jimmy Kennedy, Ashley Lopez, Trinidad Lopez, Kerry Powell, Larry Rothrock, Jonathan Robbins, Kevin Roche, Donna Ryan, Ron Shipley, Stu Strebig. Directors and officers absent were: Ted Krohne, Alan Sparkes.

Board Decisions

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

- All EAA Chapter 14 activities will resume in January 2021, including Young Eagles and Eagles Flights. Any participants in Young Eagles flights must be fully vaccinated and wear masks. Jimmy Kennedy/Kevin Roche: passed.
- EAA Chapter 14 authorizes a gift not in excess of \$40 to express our appreciation to those Young Eagle pilots who have provided on-going support to the program. Ashley Lopez/Larry Rothrock: passed, 1 abstain.
- Approve an increase in price to update our current simulator from the original quote of \$7,500 approved on July 17, 2021 to \$8,248.69. Jonathan Robbins/Kerry Powell: passed.
- Motion to adjourn. Kerry Powell/Kevin Roche: passed.

Old Business

Rav Scholars: Both our 2020 and 2021 Ray Scholars are on track for finishing successfully. The rest of the scholarship money for 2021 Ray Scholar Kaitlyn Werner has been disbursed to the Chapter's checking account.

Signs: An Agreement for Right of Entry to put up some directional EAA 14 signs is at the City Attorney's office for review and approval. Note: the permit fee has been waived. However, before we actually purchase the signs, we need to find out what the latest timeline is for changing the entrance of the airport to Britannia. We may not need as many signs.

Lease Options: Because key City real estate staff have been out of the office, no meeting has yet been set up to discuss what kind of structures will be allowed if we exercise the lease option. Trinidad will follow up.

Simulator: Jonathan Robbins reported that the flight simulator was delivered to the vendor on Tuesday for the repair and upgrades and they are hoping to complete the work within the month before we can get it back. The price went up about \$700 from the earlier quote due to all the computer component price increases. Jonathan made a motion to approve the increase in price from the original quote of \$7,500 to \$8,248.69.

New Business

Resume Full Chapter Activities: Jimmy Kennedy made a motion to resume all Chapter activities in January 2021, including Young Eagles and Eagles flights. Any participants in Young Eagles flights must be fully vaccinated and wear masks.

Young Eagles Pilots Appreciation: Ashley Lopez made a motion to authorize a gift not in excess of \$40 to express our appreciation to those Young Eagle pilots who have provided on-going support to the program. She has identified an appropriate gift.

Upcoming Events: Trinidad Lopez and crew will be hosting a free lunch for EAA 14 members on Dec 11 to thank the members for their support during 2021. Members will be encouraged to bring potluck, although a simple complete meal will be provided. Two members will cover the cost of the basic meal. Trinidad Lopez and crew will be hosting a free breakfast for EAA 14 members in January (date TBD) as part of our 2022 membership drive.

The virtual meeting was adjourned on Sunday, November 21 at 9:00 PM, the designated time for when email responses should have been received.

Submitted by Donna Ryan

Seen at SDM

Photos by Jim MacKinnon



Cessna 750 out of Toronto, ON. 11/20



Bombardier BD-100 out of Glencoe, IL. 11/20

(continued on next page)



Time to Renew Your Membership

By: Donna Ryan

It's time to renew your membership in EAA Chapter 14. Because of all the pandemic restrictions in 2019 and for much of 2020, we offered free membership to all of our current members for 2021, except for renters and directors. This was our way of saying thanks for your continued support and thanks for your understanding that we weren't able to engage in as many activities as we normally did. However, for 2022, we are resuming our membership program because we plan on resuming full activities by the beginning of the year if government mandated requirements allow.

What are the benefits of renewing your membership? If you are fortunate enough to come down to the Chapter on a regular basis, you already know the benefits: enjoy talking to fellow aviation buffs, share a tasty and inexpensive Saturday lunch (as well as a pancake breakfast once a month), participate in several of the building projects going on, see some beautiful planes, keep up your skills on our simulator, check out our extensive aviation library, rent tie-down or hangar space at an affordable rate. And you can get Wings credit for many of our monthly programs.

But even if you aren't able to come down to the Chapter as often as you would like, you still benefit. The Chapter actually has a physical location which can host aviation events, such as the San Diego Aircraft Advisory Committee (AAC), or FAA seminars. Your membership dues help pay for this location. Our Chapter has a very active Young Eagles program: your membership helps pay for supplies and the facility, as well as our outreach to the community.

As you know, general aviation is facing many challenges from possible government restrictions and local business decisions. EAA 14 has fought hard to preserve a place for general aviation in the San Diego area and to make it stronger, safer and more affordable. We represent a vocal and concerned group of citizens. Your membership contributes to and strengthens our voice.

We want to grow our membership, provide aspiring builders and pilots with the support they need to achieve their goals and help both young people and adults learn about the joys of flying. But we can't do it without your continued support. Please help us by renewing your membership in EAA 14. It will take just a minute but it will pay dividends for YOUR Chapter throughout the whole year.

Use the Membership form included in this newsletter and then mail it back to us, along with your payment, to EAA Chapter 14, 1409 Continental Street, San Diego, CA 92154-5707. You can also drop the form and your payment off at the Chapter; put your packet in the mail slot of the Membership lock box next to the lunch counter or outside of Hangar 1.

If you want to pay by PayPal, follow 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 payment amount: \$25.00 (\$5 for Young Eagles)
5. At the Add a note option, enter "2022 membership for [your name]"
6. Send the payment.

We look forward to continue having you with us once again in 2022.

Seen at SDM (continued)



Dornier Alpha Jet, operated by Top Aces. Top Aces operates a fleet of 40 aircraft primarily as the "adversary air provider" for the Canadian and German armed forces. Not clear what 082 is doing in Southern California.



Canadian C-130 heading into the distance. Note the four-bladed propellers, so it's fairly old, and the two pods that look like jet engines mounted where the outboard tanks might normally be.

**Good judgment comes from experience.
Unfortunately, the experience usually comes
from bad judgment.**

EAA Chapter 14 Membership Application/Renewal

Please Print Legibly

Current Member				
Name		E-mail		EAA National # /Exp Date
Emergency Contacts (Name and Phone)				
Please check the box if there have been no other changes in your details since your last renewal. Otherwise, please update the applicable fields below. <input type="checkbox"/>				
New Member/Updates for Current Member				
Name (Mr., Mrs., Ms.) <i>Please Print</i>			Name to Use on Badge	
Street Address			E-mail	
City	State	Zip	Spouse/Partner Name	
Home Phone		Cell Phone		Work Phone
Year of Birth	EAA National #/Exp Date	Occupation		Retired – Yes/No
Emergency Contacts (Name and Phone)				
FAA Ratings – Licenses Held		A/C Project		Aircraft Owned/Home Field
Special Skills You Can Contribute to the Chapter				
Special Interests				
Payment Information				
New Member: \$25 <i>without</i> badge (\$13 after July 1) \$35 <i>with</i> badge (\$23 after July 1) Renewal: \$25 (due January 1 st) Youth (under 18): \$5 Payment Enclosed: \$_____			Make checks payable to EAA Chapter 14 Please mail this form with payment to: EAA Chapter 14 1409 Continental Street San Diego, CA 92154-5707	

December 2021

Facebook

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

Chapter Website

<http://www.eaa14.org>

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 voicemail or text eaa14contact@gmail.com

Director Name	Phone #	email
Gene Hubbard	(858) 722-1918	nx421gn@gmail.com
Ted Krohne	(619) 435-8940	tedkrohne@hotmail.com
Jimmy Kennedy	(619) 405-7266	jk@kencomgraphics.com
Gene Lenard	(619) 442-4978	elenard@mac.com
Ashley Lopez	(619) 277-8518	ashleylopez8518@gmail.com
Trinidad Lopez	(619) 661-7117	bajazzy@aol.com
Kerry Powell	(760) 613-4389	kgpowell@roadrunner.com
Jonathan Robbins	(619) 572-5087	snibbornoj@gmail.com
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 answering machine) (619) 661-6520

Chapter Events

Open House at the Brown Field hangars:
every Saturday from
10:00 am to 2:00 pm.

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

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

Hangar Phone:
619-661-6520

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