
EAA 663 NEWS

Livermore, California

Membership Meetings

VMC / IMC Clubs

March 10th **VMC**

March 24th **IMC**

BUILDER BREAKFAST

Every Saturday

Brick Cafe

833 E. Stanley Blvd

with **Barry Weber**

8:00 AM

Board Meeting:

March 17, 2022

3rd Thursday of every
month at 7:00 PM @

Five Rivers

Chapter Meeting

March 3, 2022

1st Thursday

Five Rivers

and **ZOOM**

Young Eagles Rally

Next Rally

Byron on Mar 19, 2022

663 Awards Banquet

March 26, 2022



1,550 NM Distant to Our AirVenture Chapter Sign at Oshkosh

Next Meeting

At Five Rivers Aviation and **ZOOM**

7:00PM

Thursday March 3, 2022

March 3rd's chapter meeting will feature a presentation by Terry Lankford, a retired Oakland FSS meteorologist. He'll be talking about making the best decisions about the **WEATHER.**

Gentle reminder for everyone to get their 2022 member dues paid up, check, cash or via PayPal on our website.

**March 12th FlyOut to Half Moon Bay Airport, HAF
Lunch at Barbara's Fish Trap**

<https://chapters.eaa.org/ea663/chapter-flyouts>



EAA Chapter 663 June 3, 2021 Updated the 2018 Picture!

EAA Chapter 663 Volunteers

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Eagles Coordinator

Keith Johns

650-759-0199 keith@flycloudniner.com

Congratulations EAA Chapter 663,

We have just been notified by the Aviation Scholarship Review Committee at EAA Headquarters that chapter 663 has been approved to nominate a scholar for a 2022 Ray Aviation Scholarship. Many thanks to Robyne Teslich and Keith Johns for writing such a spectacular and winning application.

Also, Spring is just around the corner! And, we're ramping up quickly for summer activities. Our first Young Eagles Rally is scheduled for March 19 at the Byron Airport. This year, our chapter has partnered with The Patriots Jet Team Foundation to host three rallies at their facility (3/19, 7/16 and 11/5). The Hayward EAA chapter has also asked if we would host two Young Eagle rallies at Hayward (5/21 and 8/6). Our six Livermore YE rallies are scheduled for 4/16, 5/14, 6/11, 8/13, 9/10 and 10/8. Finally, our Young Eagles Coordinator, Stephen Tucker is putting together a Young Eagle event at Catalina Island Airport around the 7th of May. Those of you who are interested in participating in any of these events as a Pilot, Safety Officer/Escort or ramp crew, please contact Stephen at stephen4e@gmail.com for more information.

Our monthly Pot Luck BBQs are also planned to start on Saturday afternoon April 16th and each month thereafter coinciding with the date of all Livermore Young Eagle Rallies.

***NOTE:** We have finalized our Chapter Annual Awards Banquet for **March 26, 2022 at the Veteran Memorial Building in Livermore.** Doors open at 5pm for wine and hors d'oeuvres and a catered dinner at 6pm. Our speaker will be DR. Cecilia Aragon, award winning author and Aerobatic Team Champion. Make your reservations soon on our website or by contacting our Treasurer, Jan Devocht at jandevocht@sbcglobal.net.*

This Thursday's chapter meeting will be held in-person at the Five Rivers Multipurpose Conference Room at 7pm and feature a presentation by Terry Lankford a retired Oakland FSS meteorologist. He'll be talking about making the best decisions about the weather.

If unable to join us in person, tune in using Zoom link:

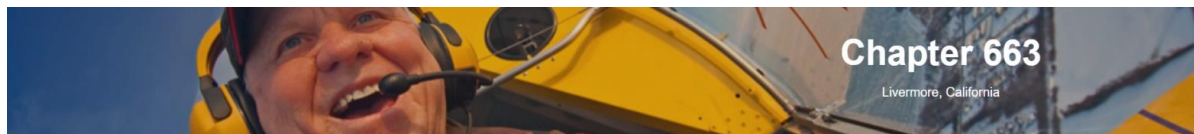
<https://us02web.zoom.us/j/83613340012?pwd=aFN2WWtTRGJmVGhiRTNJV2N2U2pIdz09>

Meeting ID: 836 1334 0012

Passcode: 3zLiqY

See you there.

John Youngblood



EAA Chapter 663 Annual Awards Banquet

Presents

An Evening with Dr. Cecilia Aragon



Dr. Cecilia Aragon is the award-winning Seattle author of the memoir *Flying Free* (2020), the story of how a timid daughter of immigrants broke free from expectations to become the first Latina pilot to secure a place on the US Aerobatic Team and earn the right to represent her country.

Event Information

March 26, 2022

Livermore Veterans Memorial Building
522 S. L Street
Livermore, CA

Doors open 5:00pm
Wine and Hors d'oeuvres 6:00pm

Reservations

\$40 per person (members and guest)

\$50 per person (non-members)

Check payable to:
Jan DeVocht EAA Treasurer
PO Box 1232
Discovery Bay, CA 94505

OR

EAA 663 website
Chapters.eaa.org/ea663

Dinner and dessert provided by Jakes Catering of Livermore



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EAA Chapter 663 Livermore Club Photo June 3, 2021 - With Member Planes & Projects

EAA Chapter 663 Livermore

GENERAL MEETING December 2, 2021
AT FIVE RIVERS AVIATION

Chapter President John Youngblood, welcomed our members and guests in person and online, for the February 3rd, meeting at Five Rivers Aviation meeting room at KLVK. John was joined by officers: VP Robyne Teslich, Treasurer Jan De Vocht and Secretary Johnny Neves. John reviewed the regular announcements on VMC/IMC Clubs, the monthly Fly-Out, our annual banquet and our Potluck/BBQ restarting in April. John Shared the monthly video from EAA. John passed the stage to Paul Griffiths, our new tower manager and Sean Moran, our new airport manager to discuss tower and airport operations.

TREASURER'S REPORT: Jan De Vocht reported at the February 17th Board Meeting a balance of \$6,454.17 after paying all expenses or \$2,149.65. We collected \$1,183.14 from banquet ticket sales/dues and 230.14 from donations. We now have 119 current members who are new or renewed. **REMINDER TO PAY YOUR 2022 DUES - [CLICK HERE!](#)**

As a qualifying 501(c)3 organization Jan brilliantly discovered some employers will **donate to the favored non-profit of employees**. As an example, Jan's employer has been donating about \$145 per month per Jan's direction. Check with Jan about how to explore this with your employer.

Keith Johns has taken up the website management. Keith has done an amazing job bringing our website up to today's standards. He has added multiple payment buttons as well as major refreshes to almost every page. Please take just a couple minutes to complete the member profile on the website - [CLICK HERE!](#)

POLO SHIRTS WITH EAA 663 LOGOS plus PATCHES: First shirt is \$12 for members; all additional shirts are \$22. Two styles of patches, new and old, each of which is \$5.00. Ask Jan De Vocht.

**Disce Volitare!
Learn To Fly!**

Articles for folks looking to begin flight training:

<https://fly8ma.com/how-much-does-a-pilot-license-cost/>

<https://fly8ma.com/how-to-become-a-pilot/>

Free Private Pilot Ground School Course:



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We need PILOTS and GROUND SAFETY OFFICERS to help to continue our success. Members are welcome to join the yellow vest brigade for ground operations including ramp safety, photography, career guidance, study suggestions and mentorship.

Young Eagles Events 2022

Livermore

April 16th
May 14th
June 11th
Aug 13th
Sept 10th
Oct 8th

Byron

March 19th
July 16th
Nov 5th

Hayward

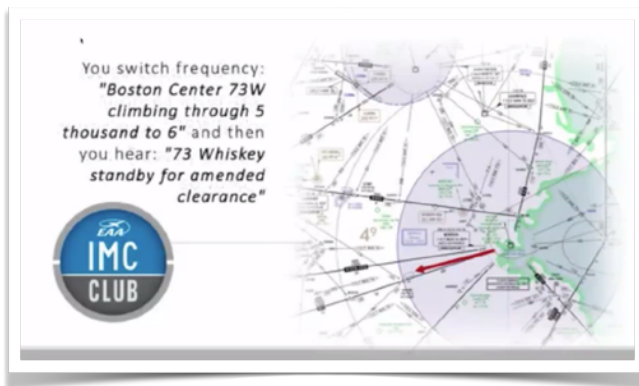
May 21st
Aug 6th

We welcome all EAA members prepared to talk with Young Eagles and their family to discuss flying as well as the benefits of learning valuable math, science and thinking skills. We each know from experience that a small spark can lead to a lifetime of flying enjoyment. Contact Rose Desmond regarding the **Young Eagle Safety Check** procedure for adults that must be submitted 7-10 days prior to the event.

BBQs: All Potluck BBQ events will be on same day as Young Eagle rallies starting at 4pm on March 12th at Livermore

BUYING GIFTS? Use our unique link: <https://smile.amazon.com/ch/84-4270204> to sign in to Amazon. After shopping, the 1/2% donation will be automatically allocated to Chapter 663 Livermore without any cost or other input on your part. This is a **great way to help support our EAA Chapter with no cost to us**. Jan De Vocht has set this up. Should you have questions drop him an email. Tom is also seeking volunteers to work with the **Aviation Explorer Scouts**, a group that is open to youth regardless of gender.

BOARD MEETINGS: All are welcome. Next Board Meeting is scheduled for Thursday, January 20th, 7:00 PM @ Five Rivers or via **ZOOM LINK** Meeting ID 894-9880 4582 Passcode 3zLigY



Keith Johns will lead the IMC Club through scenarios on **March 24th, 2022**. There is significant value in learning to think through the situations regardless of one's flying skills or experience. You're free to join, listen to others and ask questions that improve your skills for safe flying.





VMC Club and IMC Club: These free-to-member activities focus on improving flying skills and safety.

VMC Club coordinator Andy McSunas, a certified Advanced Ground Instructor (AGI) will meet the 2nd Thursday of every month at 7:00pm for VMC Club. Email Andy McSunas: ajmcsunas@me.com

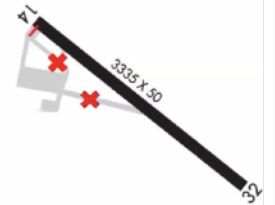
IMC Club Coordinator Keith Johns, CFII, Instrument ground Instructor will meet the 3rd Thursday of every month at 7:00pm. Email to IMC Keith Johns: keith@flycloudniner.com

Zoom links shared prior to the VMC/IMC Club meetings

February 3rd, 2021 GUEST PRESENTATION:

February's meeting presenters Paul Griffiths, our new tower manager and Sean Moran, our new airport manager brought some great insight into airport operations at LVK. Paul taught us a bit about the changes in tower operations, their training process and safety concerns being addressed. Sean went into the current affairs at the airport as well as discussing future changes they are working on (like fixing the hanger doors) and finally the management of the numerous "noise complaints" that have spiked in the last couple years (was it COVID or the talk of Kaiser coming to LVK???)

The only exit from the runway is a single narrow taxiway at the approach end of Runway 14 leading between some hangars to, and from, the FBO.



Your Flight

Andy McSunas will lead the VMC Club through a few scenarios on **March 10th Thursday**. You're free to join, listen to others and ask questions that improve your understanding of safe flying. The VMC and IMC Clubs are free to join and welcome drop-ins. Due to COVID interruptions many are a bit rusty and could benefit from cycling the gray cells and exploring the envelope.



John Youngblood's first flight in N544Y, February 4, 2022



Columbia, O22 February Fly-Out



Next EAA Chapter 663 Young Eagles Coming March 12, 2022



Builder Tutorials

Trystan found these design tutorial references from Sonja Englert were informative:

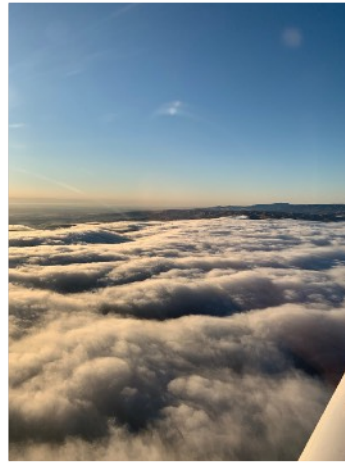
- Tutorial 1 <https://youtu.be/NzMGNiY47IY> Introduction, wing, stall speed
- Tutorial 2 <https://youtu.be/6RTcCFIlm0k> Preliminary design spreadsheet, performance
- Tutorial 3 <https://youtu.be/6PAOrBe0tjQ> Fuselage, cg, W&B
- Tutorial 4 <https://youtu.be/WX4PsgikxBA> Fuselage mass distribution, cg calculation
- Tutorial 5 <https://youtu.be/qK2UxLwFMiE> Horizontal tail
- Tutorial 6 <https://youtu.be/6C0HS8CeiyU> Vertical tail
- Tutorial 7 <https://youtu.be/A9jCb6WIGks> Control surfaces elevator, rudder
- Tutorial 8 <https://youtu.be/2j6P4qXkAtk> Control surfaces aileron
- Tutorial 9 <https://youtu.be/70vIrs0JyO8> Flaps
- Tutorial 10 <https://youtu.be/4MK4PRStZtM> Wing planform, lift distribution, induced drag
- Tutorial 11 <https://youtu.be/mm0cXnXkiBI> Airfoil selection
- Tutorial 12 <https://youtu.be/5enLpAb7lq0> Aerodynamic center, MAC, longitudinal stability
- Tutorial 13 https://youtu.be/shGXrv-zg_U Engine and propeller installation
- Tutorial 14 <https://youtu.be/b5Q2t3fKrdA> Flutter, description

Next EAA Chapter 663 BBQ Coming April 9, 2022





Random Chapter Member Pictures in Flight





Patriots Jet Team Foundation

Bringing Aviation, Space and STEM to America's Youth



The **Patriots Jet Team Foundation (PJTF)** is a non-profit organization that has served the community for almost a decade – enhancing the lives of students by offering them experiences that are both valuable and life changing. We are dedicated to get middle and high school students excited about aviation, space, and STEM [Science, Technology, Engineering and Mathematics] subjects and careers through our school outreach programs, learning center activities, mentorship, and scholarships.

- Offer free, innovative, and hands-on programs that encourage students to apply new concepts to real world examples
- Instill the importance of leadership, teamwork, commitment, and community service
- Take a holistic, community-based approach by collaborating with educators, engaging parents, and offering mentorship
- Engage about 4,000 students annually in the community, primarily across the San Francisco East Bay and Central Valley
- All volunteer, non-profit 501(c) (3) group so our funding goes directly to support programs, activities, and scholarships

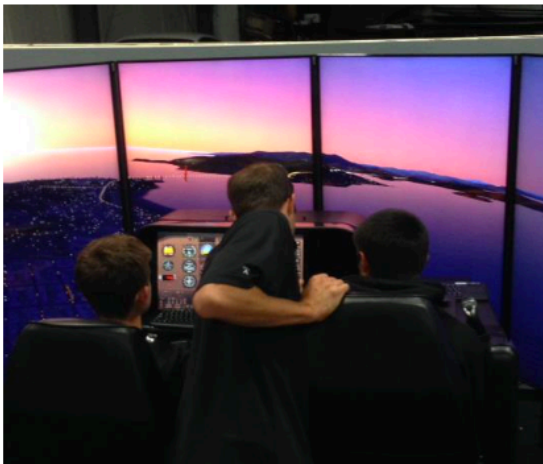
Air Rocket Program (School Outreach)



High Altitude Balloon Program (School Outreach)



Aviation Course (PJTF Learning Center)



Aviation Scholarship Recipients



Links to Safety, Engine Knowledge, & Other Useful Information



EAA 663 Tools as of May 2021

1. “G” Meter. This is a free standing mechanical “G” meter that can be temporarily mounted in an airplane for phase 1 testing.
2. Antenna analyzer/SWR meter. Has a local radio frequency oscillator which allow SWR checking across the aircraft band to measure SWR and resonant frequency. Has other tests also.
3. Battery Load Tester. Test your battery under load for a valid test.
4. ELT Beacon tester, 406 and 121.5. Can test whether by direct connection to the beacon or by radiated signal wirelessly. For 406 beacons, can read out the information being broadcast.
5. Bead Breaker. Smaller unit intended for tires up to motorcycle size.
6. Borescope, rigid. Self contained with integral screen and recording
7. Brake riveter, hammer type.
8. Brake Riveter, Screw type.
9. Carbmate carburetor synchronizer (for Rotax mostly). This unit is intended for engines with twin carbs
10. Compression tester. Standard unit.
11. Crimping tool, heavy. For crimping heavy lugs such as used on battery cables
12. Drill Doctor. For sharpening drills, knives and scissors. Electric
13. Panel punch. Mechanical punch for aluminum panels in both standard sizes for round gauges.
14. Prop balancer. Active prop imbalance measure. Optical rpm measure and mechanical vibration amplitude measure with phase difference to allow placement of balance weights, typically on the spinner.
15. Scale, crane. Hydraulic scale for use with a crane for measuring lifted weight.
16. Scales, electronic. With 4 scales, 4 rollup ramps, and a master control which will show the weight on each wheel. Has tare weight adjustment.
17. Spark Lead Tester, High Voltage leakage. Generates high voltage on spark leads to check to leakage.
18. Spark plug tester, pressure. Can check sparking under pressure. Needs separate compressor.
19. Borescope, articulating, for use with smartphone. The camera can be remotely bent around up to 180 degrees for a better look at engine internals
20. Spark plug resistance tester. Check for proper range of internal resistance of spark plugs.
21. Tachometer, optical
22. Tensiometer, cable. Measure cable tension.
23. Tubing flaring tool.
24. Ultrasonic cleaner, mostly for injectors. Small bath cleaner used with clean water and a few drops of detergent.
25. Wire marker, Kroy. Makes shrink wrap wire marker with alpha or numeric markings. You may have to buy the marker stock you want to use.
26. Audible circuit tester - perfect for tracing wire ends during your avionics upgrade

Member Photos Shared from EAA 663 Google Site