

# EAA 663 NEWS

Livermore, California

## Membership Meetings

### VMC / IMC Clubs

Oct 13<sup>th</sup> VMC

Oct 27<sup>th</sup> IMC

## BUILDER BREAKFAST

Every Saturday

Old Mexico

1848 Portola Ave.

with Barry Weber

8:00 AM

### Board Meeting:

Oct 20<sup>th</sup> BOD Meeting

@ Five Rivers - LVK

### Chapter Meeting

October 6, 2022

1st Thursday

Five Rivers

and ZOOM

### Young Eagles Rally Next Rally

Livermore Oct 8th



### Next Chapter Meeting

At Five Rivers Aviation and ZOOM

7:00PM Thursday October 6, 2022

Our October 6<sup>th</sup> chapter meeting will be held in-person at the Five Rivers Aviation Conference Room at 7pm and will feature 2 guests.

**Riley Speidel - Cross country flight in a motor glider**

**Bob Tucknott - DART Presentation**

October's Fly-Out is being scheduled, please visit the EAA 663 website later this week for details and to sign up.

**Updated Tool Location:** The tools are now located on the South side of the field Hanger 172. To check out tools please contact Johnny Neves or Keith Johns, contact information can be found below in the chapter volunteer list.



EAA Chapter 663 June 3, 2021

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## EAA Chapter 663 Volunteers

**President:****John Youngblood**925- 872-0350 [aqcs@comcast.net](mailto:aqcs@comcast.net)**Vice President:****Robyne Teslich**925-548-4808 [nrtpublic@pa24.net](mailto:nrtpublic@pa24.net)**Treasurer:****Jan De Vocht**925-699-7577 [jandevocht@sbcglobal.net](mailto:jandevocht@sbcglobal.net)**Secretary & Newsletter Editor:****Johnny Neves**408-230-3093 [johnnynevesjr@gmail.com](mailto:johnnynevesjr@gmail.com)**Board Members:****Barry Weber**925-963-0824 [bqweber@gmail.com](mailto:bqweber@gmail.com)**Tom Irion**510-773-8485 [tirion@comcast.net](mailto:tirion@comcast.net)**Carlos Avalle**925-373-8625 [mr.cavalle@gmail.com](mailto:mr.cavalle@gmail.com)**Kurt Haller**925-353-0485 [maidna@comcast.net](mailto:maidna@comcast.net)**Edward Hefter**925-915-8347 [edwardhefter@gmail.com](mailto:edwardhefter@gmail.com)**Counselors and Coordinators:****Bob Sinclair**

Chapter Tech Counselor 925-935-7465

**Barry Weber**Chapter Flight Advisor & Technical Counselor  
925-963-0834**Peter Friedman**Chapter Flight Advisor & Technical Counselor  
925-818-6642**Will Fares**

Fly-Out Coordinator 925-209-4527

**Johnny Neves or Keith Johns**

EAA 663 Tools

**Keith Johns**EAA 663 Website 650-759-0199  
[keith@flycloudniner.com](mailto:keith@flycloudniner.com)**Young Eagles Coordinators****Sophia Patel**415-306-1776 [sophie\\_prpro@hotmail.com](mailto:sophie_prpro@hotmail.com)**Eagle Flight Coordinator****Keith Johns**650-759-0199 [keith@flycloudniner.com](mailto:keith@flycloudniner.com)



## President's Comments

Hello EAAers,

Congratulations Chapter 663 on a very successful Airport Open House last Saturday. To the delight of many parents and children, twelve of our members displayed their aircraft and seven of them flew low-level flybys. We certainly had a variety of flying participants including an amateur built Calidus Autogyro flying at 20 kts to a locally built Lancair Legacy (that broke the hard deck) at 20 feet and 200kts! Crowd pleasers all!

Special thanks to Nick and Robyne Teslich who brought in, set up and operated their audio-loud speaker system. Robyne opened the show by singing a beautiful rendition of our National Anthem while Alan Thayer was our event announcer during the entire five-hour show.

We had 30 Young Eagle and 18 Eagle Flight sign-ups thanks to our volunteers and mentor pilots. Next to our chapter booth visitors could view Barry Weber's awards winning 1965 Pontiac GTO along with Tom Irion's Shelby GT 350 Ford Mustang and 1921 Model T Ford Roadster. It provided a real contrast in automotive history. EAA 663 seemed to be at the hub of nearly all show activity!

This month's chapter meeting will be held in-person at the Five Rivers Aviation Multipurpose Conference Room on October 6, 2022 at 7pm and feature **Riley Speidel** who will share her adventures flying a motor glider across the United States as a young teenager.

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

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

Meeting ID: 836 1334 0012

Passcode: 3zLigY

*See you there.*

*John Youngblood*





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

## EAA Chapter 663 Livermore

GENERAL MEETING Sept, 2022  
AT FIVE RIVERS AVIATION

Chapter President John Youngblood welcomed our members and guests in person and online, for the September meeting at Five Rivers Aviation meeting room at KLVK. John was joined by officers: Jan De Vocht and Secretary Johnny Neves. John reviewed the regular announcements on VMC/IMC Clubs, the monthly Fly-Out, our Young Eagles and our Potluck/BBQ. John shared the monthly video from EAA. Our guest speaker and fellow LVK pilot, Gene Wheeler, share his tale of a retractable gear failure with his family on board. It was a good personal view of how to properly deal with an inflight emergency.

**TREASURER'S REPORT:** During the Sept Board meeting Jan presented the current financial information.  
Balance = \$8,260.40, Total deposits of \$920.70, Expenses of \$2,627.08

**REMINDER TO PAY YOUR 2022 DUES - [CLICK HERE!](#)**

**Please visit our chapter website and 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 \$15 for members; all additional shirts are \$25. Two styles of patches, new and old, each of which is \$5.00. Ask Jan De Vocht.



The Patriots Jet Team Foundation will host 1 more rally at their facility on 11/5. Our last Livermore Young Eagle rally is scheduled for 10/8.

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. If you are interested in joining us please contact Sophia Patel.

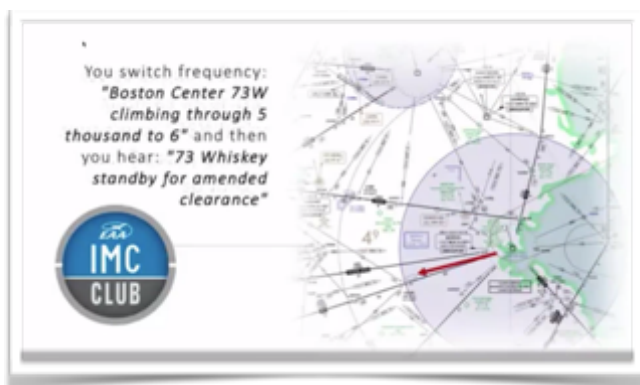
**We welcome all EAA members** prepared to talk with Young Eagles and their family to discuss flying as well as the benefits of learning valuable math, science and thinking skills. We each know from experience that a small spark can lead to a lifetime of flying enjoyment. Contact Rose Desmond regarding 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.

**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.

Livermore  
April 16<sup>th</sup>  
May 14<sup>th</sup>  
June 11<sup>th</sup>  
Aug 13<sup>th</sup>  
Oct 8<sup>th</sup>

Byron  
March 26<sup>th</sup>  
Nov 5<sup>th</sup>



Keith Johns will lead the **IMC Club** through scenarios on **October 27, 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.







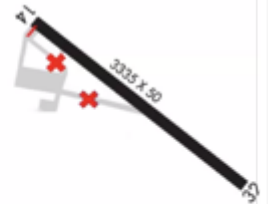
**VMC Club and IMC Club:** These free-to-member activities focus on improving flying skills and safety.

**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](mailto:ajmcsunas@me.com)

**IMC Club Coordinator Keith Johns**, CFII, Instrument ground Instructor will meet the 4th Thursday of every month at 7:00pm. Email to IMC Keith Johns: [keith@flycloudniner.com](mailto:keith@flycloudniner.com)

**Zoom links shared prior to the VMC/IMC Club meetings**

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.



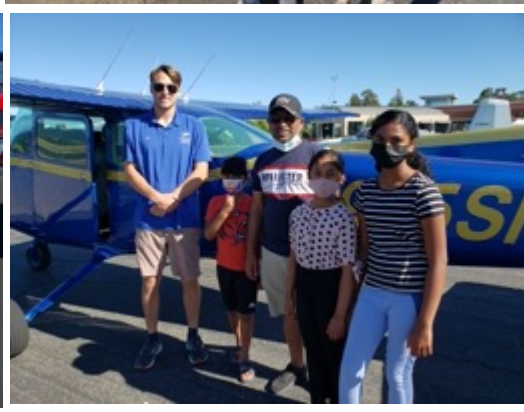
Your Flight

Andy McSunas will lead the **VMC Club** through a few scenarios on **October 13th, 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.





## Young Eagles - Livermore







## 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/6RTcCFIm0k> Preliminary design spreadsheet, performance
- Tutorial 3 <https://youtu.be/6PAOrBe0tjQ> Fuselage, cg, W&B
- Tutorial 4 <https://youtu.be/WX4PsqikxBA> 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/A9jCb6WlGks> Control surfaces elevator, rudder
- Tutorial 8 <https://youtu.be/2j6P4qXkAtk> Control surfaces aileron
- Tutorial 9 <https://youtu.be/70vrs0JyO8> 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](https://youtu.be/shGXrv-zg_U) Engine and propeller installation

Tutorial 14 <https://youtu.be/5G028K18F00> Landing gear

## First Chapter BBQ of 2022!





## 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











































































