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# EAA 663 NEWS

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Livermore, California

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## Membership Meetings

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**VMC / IMC Clubs**  
Nov 10th VMC  
Canceled Nov - IMC

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**BUILDER BREAKFAST**  
Every Saturday  
Old Mexico  
1848 Portola Ave.  
with **Barry Weber**  
8:00 AM

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**Board Meeting:**  
Nov 17th BOD Meeting @  
Five Rivers - LVK

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**Chapter Meeting**  
November 3, 2022  
1st Thursday  
**Five Rivers**  
and **ZOOM**

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**Young Eagles Rally**  
**Next Rally**

Byron Nov 5th

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## Next Chapter Meeting

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**At Five Rivers Aviation and **ZOOM****  
**7:00PM Thursday November 3, 2022**

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Our November 3rd chapter meeting will be held in-person at the Five Rivers Aviation Conference Room at 7pm and will feature 2 guests. Taris and Gia Keiper on the operation of 3D Printing along with an aircraft part making demonstration. Following their presentation, we have been invited for a field trip to Yeol Grant's hanger for a peak at his Sling TSI build.

November 12th Fly-Out will be to Half Moon Bay, please visit the EAA 663 for details and to sign up.



EAA Chapter 663 June 3, 2021

## 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,

As most of you know, our chapter is constantly looking for ways to enhance our youth program activities. Today we pride ourselves on an excellent Young Eagles program coordinated by Parent Sophia Patel and supported by numerous chapter volunteers and pilots. So far this year we've flown over 200 kids at rallies held at Livermore, Byron and Hayward airports.

We also started an airplane building workshop at one of the Five Rivers Aviation hangars with monthly meetings with our youth to ready the shop for construction of a Cri Cri kit airplane.

Last week, the Board of Directors approved the development of a **new Youth Program** called The **Young Aviators Club**. It is envisioned that this new organization would be comprised of youth, 13 -17 years old, that have a strong interest in aviation, volunteerism and student-led leadership. Members would attend Young Eagle rallies and receive training as ground crew and safety officers. They could also participate in aviation educational programs, workshops and build projects. Eventually, 3 -4 student officers would manage the club. Currently, Sophia Patel and Robyne Teslich are working together on the organizational details for the club. If any other members are interested in supporting this effort, please contact Sophia (sophie.patel@gmail.com).

*This month's chapter meeting will be held in-person at the Five Rivers Aviation Multipurpose Conference Room at 7pm and will feature a presentation by chapter members **Taris and Gia Keiper on the operation of 3D Printing along with an aircraft part making demonstration.** Additionally, we'll take a field trip over to Yeol Grant's hangar to see his progress on building his four place Sling TSI.*

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

<https://us02web.zoom.us/j/83613340012?pwd=aFN2WWtTRGJmVGhiRTNJV2N2U2pldz09>

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 Riley Speidel walked us through her journey to becoming a glider pilot and her amazing adventure across the USA solo in her moto glider. What an amazing young woman.

**TREASURER S REPORT:** During the Sept Board meeting Jan presented the current financial information.  
Balance = \$7,143.10, Total deposits of \$221.49, Expenses of \$138.79

**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 and Hats for \$10. Ask Jan De Vocht.



The Patriots Jet Team Foundation will host 1 more rally at their facility on 11/5.

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.

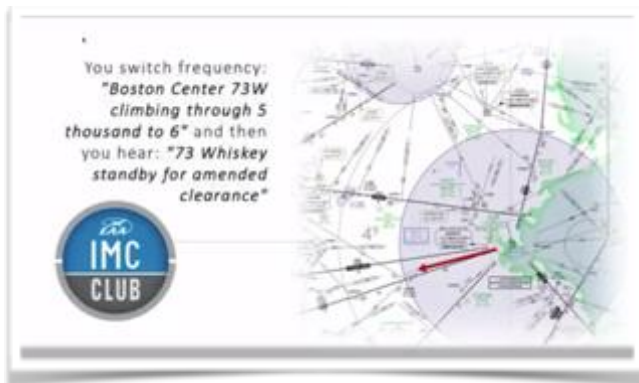
**We welcome all EAA members** prepared to talk with Young Eagles and their family to discuss flying as well as the benefits of learning valuable math, science and thinking skills. We each know from experience that a small spark can lead to a lifetime of flying enjoyment. Contact Sophia Patel regarding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

**BBQs:** No more for this season, looking forward to the Spring kick off.

**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 (Canceled November). 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 November 10<sup>th</sup>, **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/6RTcCFIlm0k> 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/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](https://youtu.be/shGXrv-zg_U) Engine and propeller installation

### 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



































































