
EAA 663 NEWS

Livermore, California

Membership Meetings

VMC / IMC Clubs

Aug 11th **VMC**

Aug 25th **IMC**

BUILDER BREAKFAST

Every Saturday

Brick Cafe

833 E. Stanley Blvd

with **Barry Weber**

8:00 AM

Board Meeting:

Aug 18th **BOM Meeting**

@ **Five Rivers - LVK**

Chapter Meeting

Aug 4, 2022

1st Thursday

Five Rivers

and **ZOOM**

Young Eagles Rally Next Rally

Livermore on Aug 13th

Hayward on Aug 6th



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

Next Chapter Meeting

At **Five Rivers Aviation** and **ZOOM**

7:00PM Thursday August 4, 2022

August 4th's chapter meeting will be held in-person at the **Five Rivers Aviation Multipurpose Conference Room** at 7pm. This month's meeting will consist of some photo sharing from AirVenture as well as general discussion.

Updated Tool Location: After many years of tending to the chapter tools Bob has decided to "retire". The tools will now be 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 Updated the 2018 Picture!

EAA Chapter 663 Volunteers

President:

John Youngblood

925- 872-0350 aqcs@comcast.net

Vice President:

Robyne Teslich

925-548-4808 nrtpublic@pa24.net

Treasurer:

Jan De Vocht

925-699-7577 jandevocht@sbcglobal.net

Secretary & Newsletter Editor:

Johnny Neves

408-230-3093 johnnynevesjr@gmail.com

Board Members:

Barry Weber

925-963-0824 bqweber@gmail.com

Tom Irion

510-773-8485 tirion@comcast.net

Carlos Avalle

925-373-8625 mr.cavalle@gmail.com

Kurt Haller

925-353-0485 maidna@comcast.net

Edward Hefter

925-915-8347 edwardhefter@gmail.com

Counselors and Coordinators:

Gordon Jones

Chapter Technical Counselor 925-447-1549

Bob Sinclair

Chapter Technical 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

Young Eagles Coordinators

Rose Desmond

707-483-4861 rdesmond40@gmail.com

Stephen Tucker

925-586-5977 stephenf4e@gmail.com

Eagles Coordinator

Keith Johns

650-759-0199 keith@flycloudniner.com

Update after the 2nd Cri Cri project meeting on July 9th

It was a good turnout and the young aviators/builders (including a few Dads) were very keen in sorting and marking parts numbers associated with parts of the aircraft. In matter of fact, Landon was measuring the prefab horizontal stabilizer spar and found it was nothing close to the drawing. Control brackets were fab and not machined out of aluminum blocks = SCRAP. It is now a practice scrap piece for drilling & riveting.

The young aviators/builders were Rockey Korsunsky, Gia Keiper, Taris Keiper, Landon Mello, Cyrus Patel, Sachin Sandhu. The adult kids were Harry Crosby, Marcus Keiper, Pete Sandhu, Will Fares, John Youngblood, Nakul Patnam and myself.

Harry was a big help. He put together drawing booklets - associated with each particular feature of the aircraft such as #100 Wing, #200 fuselage etc. We had individuals team up and take charge of a specific part of the aircraft and check parts/inventory and number/mark parts to the Bill of Material.

Matter of fact, Landon has already 3D printed the horizontal control bracket to show what it looks like. The 3D printing prior to machining can be very helpful for folks to conceptualize between a block of metal and reading the drawing.

We are looking forward to future workshops with our young aviators!

Cheers

Tony Castruccio





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

EAA Chapter 663 Livermore

GENERAL MEETING April 7, 2022
AT FIVE RIVERS AVIATION

Chapter President John Youngblood, welcomed our members and guests in person and online, for the July, 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 Young Eagles and our Potluck/BBQ. John shared the monthly video from EAA. Dr. Scott Dennstaedt presented valuable information on aviation weather products.

TREASURER'S REPORT: No Board Meeting held in July due to AirVenture - **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 \$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:

<https://fly8ma.com/courses/2021-free-private-pilot-ground-school-pilot-course/>

The Patriots Jet Team Foundation will host 1 more rally at their facility **on** 11/5. The Hayward EAA chapter has also asked if we would host one more Young Eagle rally at Hayward on 8/6. Our Livermore YE rallies are scheduled for ~~5/14~~, ~~6/11~~, 8/13, 9/10 and 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

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.

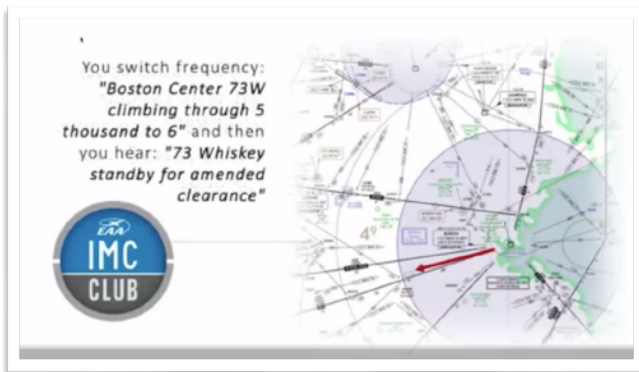
BBQs: All Potluck BBQ events will be on same day as Young Eagle rallies starting at 4pm on July 9th.

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: The July board meeting has been canceled due to Airventure

Livermore
~~April 16th~~
~~May 14th~~
~~June 11th~~
 Aug 13th
 Sept 10th

Byron
~~March 26th~~
 Nov 5th
 Hayward
 Aug 6th



Keith Johns will lead the **IMC Club** through scenarios on **August 25, 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

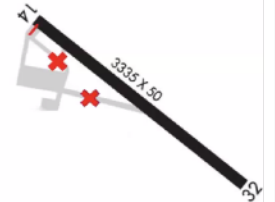
IMC Club Coordinator Keith Johns, CFII, Instrument ground Instructor will meet the 4th Thursday of every month at 7:00pm. Email to IMC Keith Johns: keith@flycloudniner.com

Zoom links shared prior to the VMC/IMC Club meetings

June, 2022 - **GUEST PRESENTATION:**

July's presentation by Dr. Scott Dennstaedt regarding aviation weather products and understanding what goes into them contained a good deal of valuable information. If you haven't done so, check out EZWxBrief.com

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 **August 11th, 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.



June 2022 Young Eagles - Livermore





Builder Tutorials

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

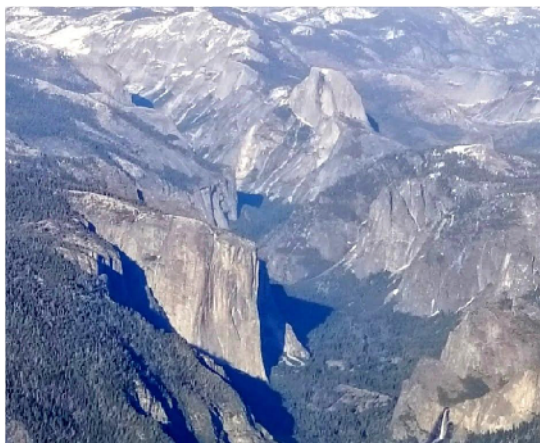
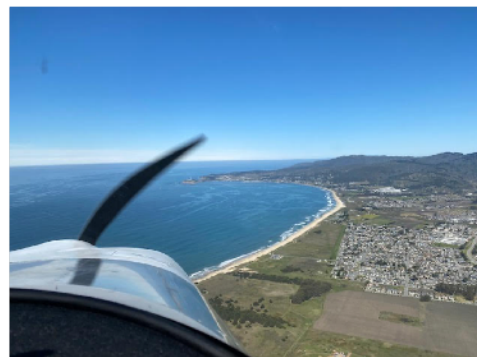
- Tutorial 1 <https://youtu.be/NzMGNiY47IY> Introduction, wing, stall speed
- Tutorial 2 <https://youtu.be/6RTcCFIlm0k> Preliminary design spreadsheet, performance
- Tutorial 3 <https://youtu.be/6PAOrBe0tjQ> Fuselage, cg, W&B
- Tutorial 4 <https://youtu.be/WX4PsqikxBA> Fuselage mass distribution, cg calculation
- Tutorial 5 <https://youtu.be/qK2UxLwFMiE> Horizontal tail
- Tutorial 6 <https://youtu.be/6C0HS8CeiyU> Vertical tail
- Tutorial 7 <https://youtu.be/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

First Chapter BBQ of 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

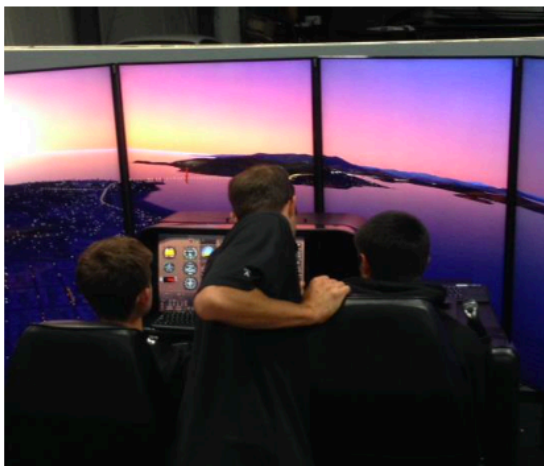
Air Rocket Program (School Outreach)



High Altitude Balloon Program (School Outreach)



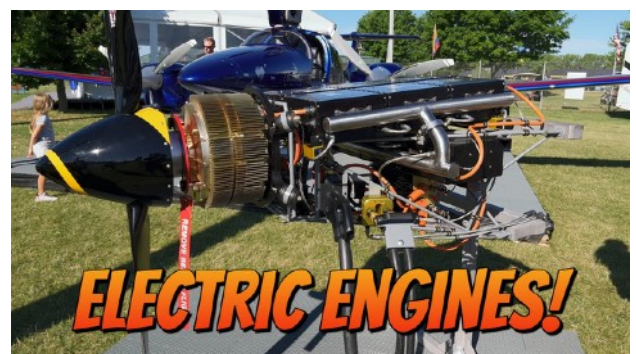
Aviation Course (PJTF Learning Center)



Aviation Scholarship Recipients

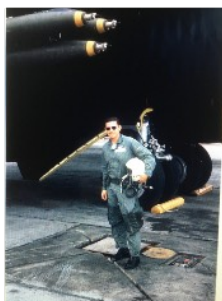


Video Links - AirVenture 2022



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



Diane and her Blue Bird. Leadville Airport, CO, 9934 feet.

