

# EAA 663 NEWS

Livermore, California



## Membership Meetings

First Thursday of the month

Doors open at 7:00 p.m

Cookies & Meeting 7:30 p.m

Thursday, November 1

Presenter: **Dan Dyer- CFI**

Topic: **Flying The New Bay Tour**

Presentation: ~8:00 PM

Guests Welcome

## Board Meetings

Third Thursday of every month  
at **7:00 PM**

**November 15, 2018**

**Location: Tom Irion's House**

**Save the Date**

A few of the EAA 663 Members & Planes  
set up at Livermore Airport Open House 10/6/2018



Darryl Ray with the Ray Brothers' Scratch Built Project  
awaiting the hordes of curious kids

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**Bob Farnam**

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**Brad Olson**

EAA 663 Website 925-719-1066

**Kirk Knight**

EAA 663 Newsletter 510-390-0840



Renee Robinson's RANS Coyote S6 & Mark Palajac

# EAA Chapter 663 Minutes

OCTOBER 2018 MINUTES: GENERAL MEETING EAA CHAPTER 663, 10/4/2018, 7:32 PM FIVE RIVERS AVIATION MEETING ROOM, KLVK.

Chapter Vice President Chuck Ray called the October 4, 2018 meeting to order for EAA Chapter 663 members and guests. President John Youngblood was in Texas at an Air Force reunion. Treasurer Mark Palajac was also out of town. Secretary Kirk Knight joined Chuck on the flight deck. Twenty-eight members and guests were in attendance.

Chapter 663 meetings usually start with the practice of showing the ~20 minute monthly EAA Chapter Video produced by EAA HQ in Oshkosh. Most of the featured content is not available online. When we start the video at about **7:00PM** it ends when the general meeting is ready to begin. **Members can arrive at 7:00** for ad hoc discussion, as the audio track is kept low enough to be heard but not to interfere.

**TREASURERS REPORT** stated we have 76 members and \$4,225.62 in the bank. [Secretary: Mark later sent a note that is the balance after paying about \$120 to replace the switch on the bead blaster.]

Mark reminds everyone to forward the names of spouses and significant others so he can send out email invitations to Chapter functions such as BBQs and Annual Dinner. Mark is accepting payment for 2019 membership.

**LIVERMORE OPEN HOUSE:** Pete Sandhu of Five Rivers gave a summary for pilots planning to participate in the October 6 Livermore Airport Open House, Fly-In and Air Show. He went into a bit more detail on the schedule, aircraft parking, flight restrictions and similar items. He also described a discounted fuel plan for fly-in planes in the form of self-service pricing for truck-served fuel.

If you're showing your plane please arrive between 9 and 9:30 for the 10AM opening. There will be NO airport operations until 4:00PM. Please register early online:

[http://www.cityoflivermore.net/citygov/pw/public\\_works\\_divisions/airport/openhouse/registration.htm](http://www.cityoflivermore.net/citygov/pw/public_works_divisions/airport/openhouse/registration.htm)

Pete also gave a quick overview of a new quick and modestly priced ADS-B in and out with uAvionix (<https://uavionix.com>). These are 10-minute replacements for your wingtip navigation lights and strobe. The left wingtip red light is replaced with an ADS-B Out, plus red LED beacon and red strobe. The right wingtip light is replaced with ADS-B In, plus green LED navigation light and green strobe.

They offer experimental non-certificated and certificated models. You operate the functions from a smartphone with USB so there is no change in wiring required – hence the quick installation. Non-certificated price is \$1,750 ADSB-out, \$750 ADSB-in or \$2,150 for both. Certificated was a bit higher with a bit of uncertainty on price so check with Pete. The ease of installation and bang for the buck are appealing in comparison with a typical ADS-B update.



Ray McCrea commented about the stylish new paint scheme in the meeting room and especially the improved acoustics thanks to the numerous photos that have been mounted on the walls. The Secretary is pleased to report the enthusiastic member applause was no longer deafening.

**GUESTS** included Ray, who wants to learn how to fly, which was greeted with warm applause. Scott Salvia also wants to fly, expressing a strong interest in building his own plane. [Secretary: Since John Youngblood wasn't there to discuss Eagle Flights, the Secretary introduced Ray and Scott to Bruce Cruickshank at the break. Bruce proceeded to describe his Zenith CH750 and pass along his card.]

**NEWSLETTER and MINUTES:** Kirk is soliciting stories about check rides, whether your first or your 30<sup>th</sup> BFR. If you have photos, stories you want to tell (record them and I'll transcribe), videos, lessons learned or other items of interest kindly send them to [captkirk@woz.org](mailto:captkirk@woz.org).

**YOUNG EAGLES:** Trina Anderson reported on the last Young Eagles event, a very successful event on Saturday September 8<sup>th</sup> at Livermore with 29 Young Eagles flown. [Secretary: Many of the photos were in the October 4 newsletter.] Trina pointed out the many pilots who have flown numerous Young Eagles. There is a special EAA award, including a financial bonus from national to the local chapter, if you fly 10 Young Eagles in a year, but no award if you fly 9! Each Young Eagle is counted as a flight, even if you have several aboard at once. So Trina is encouraging the pilots to arrange to fly a Young Eagle or more to reach that 10, and document it before year end. This does not have to be part of a YE event to count, but you do need to provide the appropriate support material. Email Trina and she'll get certificates, logbooks and handouts to you by mail.

Trina wants to give more 17 year olds an opportunity to fly before they "age-out" of the YE program. You can current schedule with FlightSquid.com and she hopes we still have it next year as it helps manage the Young Eagle program quite well. You can email Trina at [YoungEagles@eaa663.org](mailto:YoungEagles@eaa663.org). You can also ask questions or find instructions on the chapter Slack discussion site. Note Young Eagles is for ages 8-17.

**Trina and Dave have a big announcement:** They'll be active in Young Eagles in 2019, but in 2020 they're planning to move to Hawaii. This means 2019 is a great time to transition to the next Young Eagle coordinator(s). Their efforts received sustained round of applause for superb execution of a key component of the EAA mission – introducing the joy of flying to as many people as possible.

#### **2019 MEMBERSHIP DUES:**

Time to renew EAA chapter 663 membership. You can renew by providing your check in the amount of \$30, made out to EAA 663. You can give your check to Treasurer Mark Palajac at the chapter meeting or mail it to Mark at his home address. (Mark Palajac, 932 Florence Road, Livermore, CA 94550).

Please don't give money to other chapter officials, especially cash as the middle men are known to forget where the money came from or it takes a long to find its way to our bank account.

**BBQ EVENTS:**

Last BBQ of the year is October 13<sup>th</sup> at Livermore. Location is Hangar 114 at the NE corner of LVK. Beverages cold at 3:30PM, coals at 5:00PM. **New code for the gates!** Bring your entrée to the barbecue, and a side dish or dessert to share. Beverages of all types, plates and flatware are provided. Conversation is free, spouses and supervised children are welcome and sparkling conversation that includes subjects in addition to flying. Photos reveal there are some beanbag competitions heating up, so practice your tossing skills.

**TOOLS:** Bob Farnam had nothing new to report. Darryl Ray did acknowledge the efforts of Bob Franklin to troubleshoot and repair the defective switch on the bead blaster. It seems the bead blaster is very popular. See notes for

**WEBSITE:** Brad Olson has nothing new to report.

**ANNOUNCEMENTS:** Pete Sandhu announced the selection of Livermore for one of only three AOPA 2019 fly-in events with up to 600 planes anticipated. They'll even have camping! More information to come.

John Goldsmith requested help putting up the Chapter Booth at the Livermore Open House on the 6<sup>th</sup>. He asked that volunteers stop by hangar 114 about 8:00AM to load items out of the hangar and help set up. He'll also need help tearing down the booth and returning items to his hangar after 4pm.

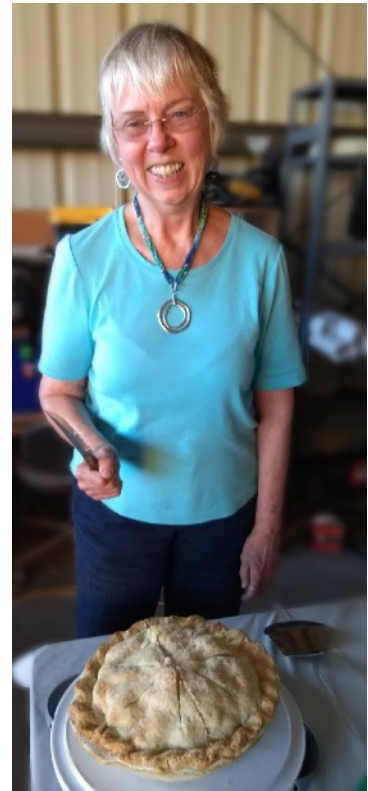
**FLY-OUT EVENTS,** We'll be putting out a questionnaire and more information on possible fly-out locations. September and October newsletters for a few dozen ideas.

**HOWARD DGA CRASH** was observed in-person by Fred Lawley at the Kern County Airshow on September 30<sup>th</sup>. The aircraft was destroyed but all aboard survived. Fred's comment as a very experienced pilot was to fly by the numbers and avoid showing off with a maneuver that is outside the numbers. He had some observations about the need to manage your energy, avoid hanging the plane on the prop before it's ready to fly, and exercise caution rather than trying to impress the crowd.

<http://www.kathrynsreport.com/2018/09/howard-dga-15p-n9471h-accident-occurred.html>

**BOARD MEETINGS:** Next Board Meeting is November 15<sup>th</sup> at Tom Irion's house. Email John Youngblood for meeting address, all are welcome.

**NOVEMBER** Chapter Meeting will be on **November 1st at 7:00PM at Five Rivers Aviation Livermore Airport. Speaker will be Dan Dyer CFI, who will be returning with the New Class Bravo Bay Tour.**



Dorothy Cruikshank  
Chief Pie Maker

**ANNUAL DINNER:** January 26, 2019 at Veterans Hall in Livermore. Speaker Guest speaker with will NASA Astronaut Rex Walheim.

Rex Joseph Walheim is a retired United States Air Force officer, engineer and NASA astronaut. He flew three space shuttle missions, STS-110, STS-122, and STS-135. Walheim logged over 566 hours in space, including 36 hours and 23 minutes of spacewalk time. He's from Redwood City.

**POLO SHIRTS WITH EAA 663 LOGOS:** First shirt is \$10 for members; all other shirts are \$22. Ask Mark Palajac.

**MEETING BREAK** 7:58 PM      **MEETING RESUME:** 8:12PM

**GUEST SPEAKER:**

Rich Perkins spoke about the reality of the everyman fantasy known as the Bede BD-5J. That's "J" for "jet," or \$\$\$\$ if you really want to know. Rich detailed literally decades of first-hand experience having known the brilliant Jim Bede who was always an inspired engineer and sometimes a better storyteller than operations executive.

Rich explained what you didn't know about the BD-5J, showed many flying videos, detailed the history of specific aircraft, engines, the variations, the weaknesses and strengths, as well as the pilots who flew them.

Rich also went into detail on the various engine types, tradeoffs, and the current engine that seems to offer reasonably reliable performance, ease of use and fuel burn. He described several ventures, including today, that use the BD-5J as a profitable advertising platform for performances that include a variety of aerobatic maneuvers. Among the videow he showed twin BD-5Js performing loops and hammerhead stalls at low altitudes. These clips caused the audience to groan and gasp before uttering nervous laughter at the amazing performance.

If you win the lottery set aside at least \$300,000 to buy one of your own. Maybe that L-29 or L-39 looks like a bargain after all?

Rich delivers an extraordinary presentation because he is a pilot, test pilot, knew the people, had encyclopedic knowledge of the engineering and designs, each aircraft built, the pilots, sponsors, businesses and has flown several of them. His informative talk received strong appreciation from the audience.

**MEETING ADJOURNED** By Chuck Ray. 9:07 PMMc

Minutes offered by Secretary Kirk Knight.



California National Guard  
CH-47 Chinook  
Almost as popular with kids as  
Ray McCrea's LongEZ





Ray McCrea describes his LongEZ to student pilot "Bear"



Jim Schneider's RANS S-7



EAA 663 Members admiring Bob Farnam's Quickie before the gates open





Trina Anderson recruits motivated Young Eagles from a STEM program



October Guest Speaker Rich Perkins and his Marchetti taxi for the aerobatic show



Dave & Trina Anderson's RV-9A before the gates open



Many hands make light work cleaning up





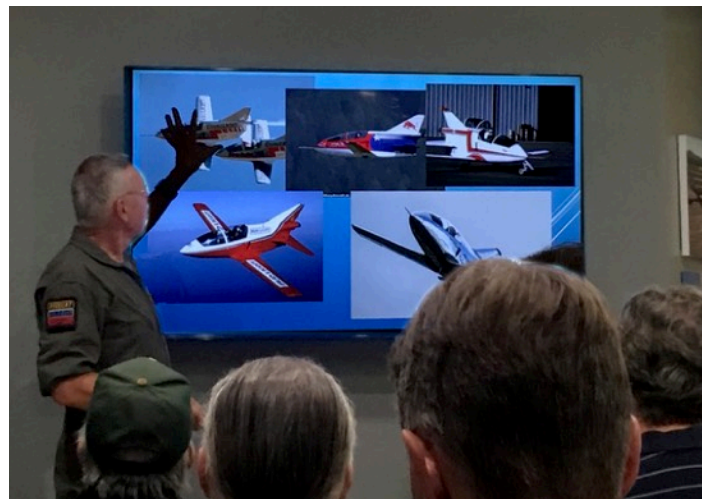
Cal National Guard CH-47 draws a crowd



Ray McCrea's LongEZ intrigues everyone



Rich Perkins explains BD-5J jet history

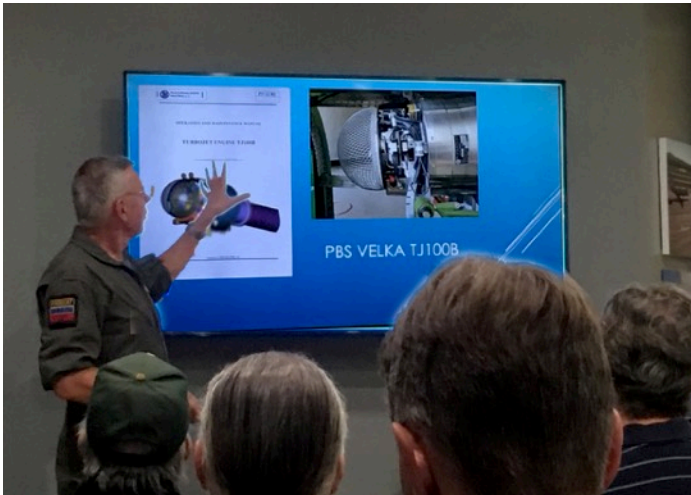


Every BD-5J has a story

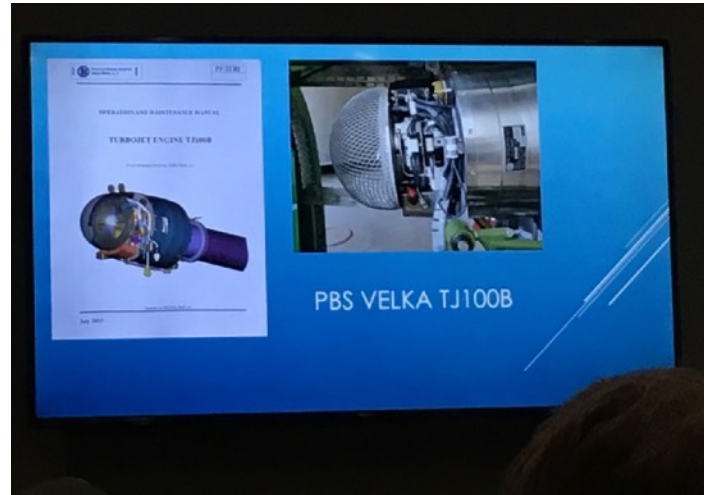


Pete Sandhu of Five Rivers Aviation shows new uAvionix ADS-B + Nav Light+ strobe combo





Rick Perkins describes the BD-5J engine



This makes a jet fly, aside from \$\$\$\$,\$\$\$\$



Trina Anderson Young Eagles Coordinator



Appreciation for Young Eagles Pilots and Volunteers



Renee Robinson flew her RANS Coyote S6 to the October BBQ but her flight to and from Oshkosh was more fun



Jan Farnam and Trystyn Clark





Jan & Mark Palajac, Bruce Cruikshank,  
Bob Buckthal & Bob Farnam



Jan deVocht, Darryl & Renee Ray



October 13, 2018 EAA 663 Chapter BBQ and hangar talk



Trystyn Clark, John Youngblood &  
Renee Robinson tell Oshkosh stories



Home Made Pie!

## EAA 663 Tools as of June 2018

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. Borescope, articulating, for use with smartphone. The camera can be remotely bent around up to 180 degrees for a better look at engine internals
8. Brake riveter, hammer type.
9. Brake Riveter, Screw type.
10. Carbmate carburetor synchronizer (for Rotax mostly). This unit is intended for engines with twin carbs
11. Compression tester. Standard unit.
12. Crimping tool, heavy. For crimping heavy lugs such as used on battery cables
13. Drill Doctor. For sharpening drills, knives and scissors. Electric
14. Panel punch. Mechanical punch for aluminum panels in both standard sizes for round gauges.
15. 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.
16. Scale, crane. Hydraulic scale for use with a crane for measuring lifted weight.
17. Scales, electronic. With 4 scales, 4 rollup ramps, and a master control which will show the weight on each wheel. Has tare weight adjustment.
18. Spark Lead Tester, High Voltage leakage. Generates high voltage on spark leads to check to leakage.
19. Spark plug tester, pressure. Can check sparking under pressure. Needs separate compressor.
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.



# Fly Out Survey

by Dave Walters  
Choose your top 10

Location		Distance (NM)	Airport MSL	Runway (length)	Picks
Half Moon Bay	KHAF	35	66'	5000'	_____
Lodi	103	35	59'	3574	_____
Nut Tree	KVCB	41	116'	4700'	_____
Watsonville	KWVI	45	163'	4500'	_____
Sac Exec	KSAC	50	23'	5503'	_____
Mather AFB	KMHR	57	98'	11301'	_____
Woodland	O41	58	125'	3769'	_____
Los Banos	LSN	59	121'	3801'	_____
Salinas	KSNS	62	84'	6004'	_____
Castle AFB	KMER	63	190'	11802'	_____
Columbia	O22	69	2120'	4673'	_____
Auburn	KAUN	83	1538'	3700'	_____
Willows	KWLW	111	141'	4125'	_____
Lake Tahoe	KTVL	112	6268'	8541'	_____
Harris Ranch	308	116	470'	2820'	_____
Truckee	KTRK	126	5901'	7000'	_____
Bridgeport	O57	128	6471'	3854'	_____
Quincy	201	141	3418'	4105'	_____
Red Bluff	KRBL	148	352'	5431'	_____
Oceano	L52	167	14'	2325'	_____
Delano	KDLO	170	316'	5659'	_____
Shelter Cove	OQ5	176	73'	3407'	_____
Kern River	L05	202	2614'	3500'	_____

August 2018