

EAA Chapter 1175 - Nevada County  
Minutes of Chapter Meeting  
January 2, 2018



Convened at: Marlow's Roost  
13020 Madrone Forrest Dr.  
Grass Valley, CA

Called to Order: ~7:07 pm, Terry Horlick, President  
Minutes: November 2017 minutes were approved  
Attendees: ~ 26 including guests

■ **2018 Chapter 1175 dues are due:**

\*Pay Jim Braddock at the meeting or send check for \$20 to:  
Jim Braddock  
16578 Cooper Rd.  
Nevada City, CA 95959.  
Make checks payable to "EAA Chapter 1175"

■ **Orville (OVE) Event, Frank Jackson:**

Frank and Pam had flown over to OVE with others to join in a breakfast. Upon return, Frank was taking off on climb out in his RV-7 when at about 500 feet, the engine began a terrible vibration with loss of a lot of power. Frank circled around and landed at OVE. Inspection of the engine revealed that the #2 cylinder exhaust valve push rod tube was bent. Frank's engine is a Lycoming IO-360 that he bought new from Van's Aircraft. The engine has 370 hours since new.

■ **Projects:** Terry is currently recasting parts for his Gyroplane.

■ **Aircraft Parts Available - Rick Webber (Our New Member) Report:**

Rick reported that Don Anderson's widow, Patricia has many available parts, including a Soft Com Headset. Call Patricia Anderson for more information: 530-272-2572.

### ■ Safety Presentation, Bruce Marlow:

Engine Health and Performance

Continental Engines bought ECI. Bruce talked at length to Bobby Lamper, an engine expert, who worked for ECI for 35 years, in preparation for this presentation.

- Lycoming engines TBO: 2,000 hrs.
- Continental engines TBO: 1,400 to 2,000 hrs.
- Both Lycoming and Continental engines are certified to operate at a cylinder head temperature of 500 °F for 300 hours of continuous running.
- Oil Temperature Maximum: 245 °F
- Change oil every 25 hours
- Do oil analysis every 50 hours, watch for trends
- Oil consumption, 2 to 3 hours per quart ok
- Cruising oil temperature, 190 °F to 210 °F, max temp. 245 °F. Below, 190 °F, no moisture is evaporated out!
- Cylinder head temperature, 435 °F to 450 °F OK
- Throttle control critical, don't enrich mixture or throttle back too quickly when descending, results in shock cooling of engine
- Baffling is critical for engine cooling, keep in the proper condition to assure proper cooling of the engine
- Read your engine manual!!!!

*Great presentation Bruce, very interesting and informative, thanks!*

### ■ Program Presentation: Joe Rainbolt - "48 States in Two Weeks" July 2017

(Joe's wife, Carol flew with him)

In, July 2016, Joe finished his RV-7A. It is a beautiful plane. Joe took the opportunity to thank those who helped him in the building process including Frank Jackson and Keith Peterson.

Now, about the trip: Joe had to determine if this was possible or practical.

Rules:

- How to count each state?
  - Decided there had to be a full stop landing in each state
- Sites to see, the routing?
- Weather impacts?
  - Basically had good flying weather
- Baggage limitation: 100 lbs.
- Laid out the trip on a spreadsheet

Joe presented the landing points of the trip, as well as highlights of sites they saw. While enroute, he had problems with the alternator randomly charging and discharging. Installed a new alternator in Florida, only worked a short while heading north, then the problem returned

and remained throughout the rest of the trip. The problem was a bad electrical terminal connection to the alternator.

Joe presented a summary sheet with fuel used, total flying time, etc.

*Thanks Joe, for a great video presentation.*

■ **Future Presentations:**

David DeMartini, Vice President/Programs

Plans for presentations by an Air Balloon pilot and a Glider pilot

■ Meeting Adjourned ~9:00 pm

Respectfully Submitted:

Paul Bevelhymmer,

Secretary