



THE CLECO

EAA Chapter 393



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Presidents Message:

Once again we will valiantly attempt to raffle off the certificate for the free Kitlog software for homebuilders. Seems the tickets themselves were absent from last month's meeting as well as your president. I'll be keeping a strict control on the clock, as we will definitely have introductions at the end of the meeting, as promised last month. Speaking of last month, I promise to stay out of the weather predicting business. In the last president's message I mentioned the fact that the summer-like weather should yield a wealth of activity in building and events, and then it rained for two weeks straight. I only know that this past week I have accomplished a lot more and have noticed an increase in activity at the field.

There will be a few announcements and up-dates at the meeting. I'll let you know what the Board has been up to, and we'll get to all the "stuff" we didn't do last month. So, come around to the meeting. Its time to start getting involved once again. Have a cup of coffee and a cookie, enjoy and relax.

Blue Skies,
Pres. Pete

Notes of Interest:

- **Meeting:** Wednesday April 27th at the Buchanan Field Terminal Building located on John Glenn Drive in Concord and will begin at 7:30PM. Visitors are always welcome.
- **Club Fly-Out:** April 30th, meet at CCR Terminal at 10am or contact Harvard Holmes.
- **Board Meeting:** Next meeting is May 5th at 7:00pm at CCR Terminal. Members are welcome to attend.

Treasurer's Report

Checking Balance:	\$ 959.70
Savings Balance:	\$ 2603.50
Total:	\$ 3443.20

Dues were due for the year on February 28th. If you have yet to pay for this year, please see Louis at the meeting .

If you have any recent changes in your contact information please be sure to also contact Louis regarding this.

Members Meeting Notes:

EAA Chapter 393 Members Meeting

March 23, 2005

Our President Peter Degl'Innocenti started the meeting with several announcements:

- 1) The KitLog software certificate is here and we will raffle it off next month. You can learn more about the software at <http://www.kitlog.com/>
- 2) We need a honcho for the July 9 picnic. Rich Henne "volunteered." Thanks Rich!
- 3) The Flabob event was noted.
- 4) Rich Henne noted that the Livermore airport has an Airport Open House scheduled for Saturday, September 24, 2005 <http://www.ci.livermore.ca.us/events.html#September> and [http://www.elivermore.com/calendar/evnt_0509.htm#Airport Appreciation Day](http://www.elivermore.com/calendar/evnt_0509.htm#Airport_Appreciation_Day)

Steve Dunagan, A Multi-Sensor Imaging Payload for Mission Adaptive Remote Sensing Applications

Our speaker this evening was from NASA and works in the area of remote sensing. He described the use of UAV (Unmanned Aerial Vehicles) in carrying out remote sensing.

He noted that UAVs are good at getting a detailed look at the ground, and also for collecting atmospheric data. UAVs work well in various missions: High Altitude; Long Endurance; Dull (mapping, monitoring); Dirty (smoke and pollution plumes); and Dangerous (volcano monitoring, extreme weather).

The UAVs are being promoted on the basis of two benefits: first, they can collect data today, cost effectively; and second, they add to our capability for extraterrestrial missions.

NASA Ames is already strong in autonomous navigation skills, e.g., for use in robotics. There is a history of autonomous aircraft, e.g., cruise missiles and underwater vehicles. Using this expertise, multiple aircraft could comprise an observation system with a large synthetic aperture.

NASA is looking at on-board intelligence to allow the vehicle to be more pro-active. The system could have more situational awareness, such as: where am I? where can I go from here (aircraft capabilities, fuel, etc.)? what information have I collected? what other information is available (e.g. from satellites)? is there something to report? what should I do next?

Steve reviewed an example UAV: the APV-3 light UAV from RnR products in Milpitas <http://www.rnrproducts.com/uav.htm> It has a 14' wingspan, weighs under 55 lbs. Missions include flights to 8000', for 8 hours, at speeds to 66 mph. The payload is 20 lbs, 1000 cubic inches. This UAV uses two radios, a low data-rate system for high reliability for control, and a high data-rate system for data. It includes sensors for chemistry ("sniffing"), infrared pictures, color pictures, and a hyperspectral camera, that provides 120 color channels scanning side to side

Members Meeting Notes:

along the flight path.

A demonstration mission has been forest fire monitoring, where the sensors give information on fire extent, temperature, etc.

Questions & Answers:

Q: What's the access to the UAVs?

A: The stuff from RnR is about \$25,000. The hard part is getting access to the airspace. You have to get a certificate of authorization from the FAA, and there are no standards or processes set up to certificate these UAVs.

More Announcements

Rich Henne noted another Commemorative Air Force meeting.

Rich noted that we will do hot dog sales for Pleasant Hill.

It was reported that Pat Peters (who was home sick) is arranging an **open house at Buchanan Field on May 14**. The CAF will bring a B-17 to the event and provide flights in the aircraft. Pat is working on getting other noteworthy aircraft to attend. This will be a Young Eagles event, and some of the YE money will be used to support it. We will not be sending any candidates to AirVenture this year. The event will be held behind PSA near the Concord Hotel. The City of Concord and their Chamber of Commerce have both "blessed" the event. We will sell hot dogs on Friday, Saturday and Sunday. Pat is meeting with CAF to see if they can help with publicity

Young Eagles:

May 14th is the big day for Buchanan Airport and the EAA Chapter 393. This is the kick-off for the Young Eagles program for the season and the open house for the Airport. The Rally will be held at the PSA hangar beginning at 9:00AM and last until 4:00PM. We will have the Commemorative Air Force B-17 and the T-33. Also Stewart Bowers will have the MDPA antique aircraft on display. This year there will be a \$2.00 admission charge for adults 18 years and older. The younger ones will be free as they are potential Young Eagles.

Help will be needed for the gate admissions as well as the ground crew per usual to direct the kids to and from the aircraft.

The Commemorative Air Force B-17 will arrive here on Thursday about noon and begin offering rides to the general public on Thursday afternoon, all day Friday, on Saturday before the Young Eagle Rally and after 4:00PM, and then all day Sunday with departure on Monday about noon.

Your support will be greatly appreciated. Please let Pat Peters know if you can help and in what capacity.

Monthly Chapter Fly-out:

EAA Chapter 393 Fly-Out

Saturday, March 26, 2005

The group went to Hollister and had lunch at the Ding-A-Ling Café. Thanks to Tom Howard for these pictures.

Fred and Vi Egli, and Harvard and Sara Holmes went in Fred's Lancair IV.

Ron Robinson went in his Glasair.

Phil Jenkins and Tom Howard went in Phil's Glasair.

Scott Achelis went in his RV-6A.



Board Meeting:

EAA Chapter 393 Board Meeting

Thursday, April 7, 2005

Attendees: Peter Degl'Innocenti, Louis Goodell, Harvard Holmes and Jordan Jones

1. Peter Degl'Innocenti has received two DVDs and a CD for the members to borrow. The first is a series on aviation safety, showing some aerobatic footage by Wayne Handley; the second is a DVD giving details of the LSA rules and regulations; and the third is a CD-ROM from the EAA.

2. Louis Goodell has renewed our P.O. Box at the Post Office for \$70.00 per year. The bright lights at the post office:
 - a) said "don't pay until we send you an invoice,"
 - b) waited to send the invoice until the service had expired,
 - c) locked Louis out of the box, as the service had expired, then
 - d) delivered the invoice to the locked box, where Louis couldn't get it!!!

3. Louis received \$140 in dues last month.

4. Peter D. will bring tickets for the raffle next month. He pointed out that there were probably tickets in the cabinet in the terminal, where we could have gotten them last time if we had thought to look!

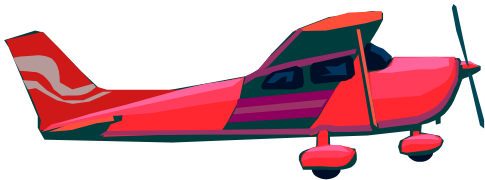
5. Peter D. has received solicitations from the EAA for nominations for awards for newsletter editor, web editor, outstanding aviator, special achievement, and young eagles coordinator. The web editor and newsletter editor disclaimed any effort on their behalf, as they don't spend much time on things and judge their work as unlikely to repay any time spent on a nomination effort.

This Months Speaker

Our speaker will be Mikel Oakes. He does custom aircraft interiors in his shop at our airport as Buchanan Aviation Services.

Reviewing: our speaker last October was Dan Newland, who showed us the results of some extensive work on sound proofing and insulating aircraft. In the last issue of Sport Aviation Dan's article on this subject, with colored pictures, lines and arrows appears, titled "Taming the Noise."

Dan Newland and Mikel Oakes are planning to do some work together in this field. For anyone building or re-vamping an aircraft down to the interior, this should be informative.



EAA CHAPTER 393

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