

The Cleco

Experimental Aircraft Association Chapter 393

October 26, 2011

Dave Ringler of the **Patriots Jet Team** at Byron will describe their airshow activities. Sponsored by Fry's Electronics and Hot Line Construction, the Patriots L-39s electrify spectators with fast paced formation flying, choreographed four-ship diamond formation aerobatic maneuvers and their signature "Tail Slide", where the aircraft actually slides backwards toward the ground, something not performed by any other jet demonstration team.

<http://www.patriotsjetteam.com/>



Elections are Coming! Nominations:

- President: Bill Reining
- Vice President: Tracy Peters
- Secretary: Pete Mitchell
- Treasurer: Bob Belshe
- Newsletter Editor: Kevin Hoos

Additional nominations allowed up until the time of the election. Here's your chance! Speak to Dick Sperling or Guy Jones to get on the ballot.

To vote by proxy, contact Dick Sperling or Guy Jones.

President's Notes October 2011

By Bill Reining

I am writing this on the evening of October 15, just after the Young Eagles Rally. What a day it was! We flew 82 Young Eagles. Some of the pilots flew from 9 in the morning until 5 in the evening. We had a broad range of kids, from Boy Scouts, Girl Scouts, Naval Sea Cadets and the general public. Our new banner sign on Concord Blvd. certainly produced results. Thanks to all who participated.

Tom Howard and Bob Sinclair are busy compiling a list of tools, using inputs from other chapters that could be candidates for our chapter's tool library. They will present their ideas at the next meeting on October 26. It will then be up to the membership to decide what to get, and to approve a budget to do so. Meanwhile Tom and Bob are also taking notes from other chapters on how to setup a checkout and storage system. More information on this subject will also be forthcoming at the next meeting.

We will have an election for chapter officers during the October 26 meeting. The present officers have agreed to serve another term, with the exception of the Newsletter Editor. Fortunately, Kevin Hoos has agreed to run for that office. So the slate of candidates looks like this so far:

- President – Bill Reining
- Vice President – Tracy Peters
- Secretary – Pete Mitchell
- Treasurer – Bob Belshe
- Newsletter Editor – Kevin Hoos

During the meeting, before the election, there will be an opportunity for additional candidates to be nominated for any of these offices. Don't be

bashful, if you are interested, let someone know so you can be added to the ballot!

Lastly, please continue to seek out children between the ages of 12 to 18 who might be interested in going to the Air Academy next summer. See you at the October 26 meeting!

Young Eagles Events

We had a fantastic turnout! See the President's Notes for details. I look forward to seeing everybody next year.

Thanks, Renee Robinson

Donate your old laptop computer!

We can use a few additional laptop computers for the Young Eagles events. The only software required is a relatively recent web browser, so Windows, Mac, and even Linux is acceptable.

We could still use more sectional charts for our Young Eagles handout packages. We have enough magazines at present.

Dinner Menu

By Rick Bourgeois

Dinner is served at 6:30pm – Donation is \$7:

- Taco Soup
- Corn Bread
- Tortilla Chips
- Salad
- Coffee and drinks (water & soda)
- Dessert

Let Rick know your suggestions for future meals.

September 28, 2011 General Meeting Notes

Visitors were Lee Sheriff, a glider pilot who is now thinking of building an airplane, and John Heckman, who came with Harry Heckman.

Thanks to Rick Bourgeois for dinner.

Business

Treasurer Bob Belshe reported our Chapter balance at \$6,707.

Young Eagles – our next event is Saturday, October 15. We will be hosting Sea Cadets on this event. We are hoping to include some Girl Scouts in our flights. Tracy Peters and Tom Howard held up our new sign advertising the Young Eagle flights. It will go up on the fence on Concord Avenue.

Elections for October – Dick Sperling reported that President Bill Reining, Vice President Tracy Peters, Secretary Pete Mitchell, and Treasurer Bob Belshe were willing to continue to serve in their present positions for two more years. A newsletter editor is needed, and they are following up on a possible candidate. [Other positions are appointed by the Board and do not require an election. – Ed.]

Bill Reining reminded members that we are seeking candidates for the EAA Air Academy for 2012. See the Cleco of September 2011 for more details. We expect to receive updated brochures shortly.

Following up on the suggestion to acquire tools for the use of chapter members, the Board has asked Tom Howard and Bob Sinclair to come up with a plan. Tom reported that they visited Livermore – they have electronic weight scales, a propeller balancer, a drill doctor, an antenna SWR meter, a field strength meter, and a bead blaster. A borescope has also been suggested. The members were asked if this was the right direction, and, by a show of hands, a large majority confirmed this direction. **Send your suggestions to Tom Howard.**

Members were reminded to use the EAA discount if they planned to buy a Ford car or truck. Tracy Peters reported that he saved about 15% on a recent purchase.

Speaker

Tracy Peters introduced **Brad Poling**, a former Chapter 393 member, who talked on

Reconstructing a Modal "O" Stinson from scratch.

Brad said that he was born in Indiana, and came to California in 1960. He got his pilots license in 1974 and joined Chapter 393 in 1976. In 2001, he moved to Sacramento, and he now lives in Elk Grove.

While at Concord, he built a Keleher Lark, and then a Westfall Staggerwing, both from scratch.

The Model "O" was built in 1933 for the Honduran Air Force. The prototype was done in 90 days, using many SR-5 parts. The fuselage was new. Of the nine that were built, 3 went to Honduras, 3 went to China, 2 went to Brazil and 1 stayed with Stinson in the U.S. In 1936, the prototype was converted to an instrument trainer and went to Glendale, CA. The prototype disappeared from the FAA records in 1945 and there is no knowledge of its fate.

Brad enlisted a friend, Jim Teel, and a restorer, Jeff Paulson, to undertake the re-creation. They acquired an SR-5 for reference and to use a few parts. They acquired several exterior photographs, but interior photographs were pretty nonexistent. One photograph was found of the structure, however, and it was very helpful. They digitized these photographs and put the measurements in a CAD system. The cowling was made from a Cessna UC-78 Cowl with added blisters. All fuel lines, aileron cables and so forth were in the cabanes for a clean look. The fairings are hand formed aluminum for authenticity. For example, it took 200 man-hours to form the gear fairings. They used assembly methods from the 1930's: slotted screws, no tie-wraps, etc. They used the Air Tech covering system. The engine is a Lycoming R-680-12 of 295 horsepower. They used Cleveland brakes from a Cessna 310.

The plane has a 40' wingspan and is 27' 8" long. Gross weight is 3,500 pounds and empty weight is 2,550 pounds. It cruises at 1,950 RPM at 120 mph on 16 gph. It stalls at 60 mph, and they fly finals at 70 mph. The aircraft has about 190 hours on it now. They made no modifications in

the first 130 hours. The aircraft is certificated as experimental amateur-built. They had to go to Lloyds of London to get insurance. They plan to campaign it for a couple more years, then Boeing will take it and display it.

All-in-all it took 5 years to discover that no Model "O"s exist, 3 years to put it together, and 1 year to find the right person to build it. It took a lot of reverse engineering. Brad went up to Oregon every 3-4 months, where it was being built.

Thanks for a great talk, Brad!

You may find more pictures and an article at: [http://www.vintageaircraft.org/featured/2011 - Vol. 39, No. 06 - The Paulson-Poling-Teel Stinson Model O.pdf](http://www.vintageaircraft.org/featured/2011-Vol.39, No. 06 - The Paulson-Poling-Teel Stinson Model O.pdf)

October 4, 2011 Board Meeting Notes

President Bill Reining called the meeting to order at 7pm.

Present: Bill Reining, Tracy Peters (by phone), Harvard Holmes, Pete Mitchell, Guy Jones, Renee Robinson, Jack Davi, Tom Howard, Dick Sperling, Bob Belshe, Rick Bourgeois

Young Eagles – Renee Robinson

Our next event is October 15.

Tracy Peters has the banner and is making the date cutouts for it. He hopes to get it to Tom Howard by Thursday for putting up. Jack Davi will call the golf course to ask permission.

Renee thinks about 50 Young Eagles will attend. Of the 41 Sea Scouts, about 15 have not flown before. One Boy Scout troop is planning to come. Tracy Peters will do a class for the Sea Scouts; the Boy Scouts will also attend this class.

Renee wants to ensure that pilots are able to fly a minimum of 10 Young Eagles each so the Chapter gets financial credits from EAA National.

The Sea Scouts would like to feed themselves and the Chapter volunteers. The group decided that it would be awkward to leave other Young

Eagles with nothing to eat, so it was decided to provide food, with a suggested donation of \$2. Rick Bourgeois will arrange hot dogs, chips and soda or lemonade. Tracy Peters will bring 5 gallons of lemonade.

Renee noted that Art Thompson, owner of PSA would like to have some rallies there to get additional exposure.

There was a discussion of flight safety at our Young Eagles rallies. Some pilots land at Rio Vista to exchange front and back seat passengers. There was discussion whether to forbid this, but the consensus was to allow it. We should try to assign kids so as to minimize the need/desire to swap seats. Pilots need to shut down the engine(s) when moving passengers between seats. Dick Sperling agreed to be safety officer for our Young Eagles rallies and to emphasize safe practices, competence, courtesy and a professional attitude.

Treasurers Report – Bob Belshe

There are no surprises. We have a combined bank balance of \$6,707. Bob checked on our 501c3 application, and found that the IRS is currently processing applications from March 2011. We applied in May 2011, so we have to wait a while longer.

Speakers October 26 & Future – Tracy Peters

Oct 26 – Dave Ringler will make a presentation on the Patriots Jet Team.

Other speaker possibilities:

- Alan Brown is a possible speaker – Jack Davi will call him. Alan retired as the Director of Engineering at Lockheed Missiles and Space Corporation and was the program manager and chief engineer for the F-117A Stealth Fighter from initial concept until the first production aircraft was built, 1978 to 1982.
- Guy Minor from the Oakland FSDO is now available.
- Jay Sullivan from Western Light Sport (KREI, Redlands) will demonstrate and talk about the Arion Lightning (that Bob Belshe just bought).
- TBD -- Bill & Tilly Larkin

Webmaster – Renee Robinson

Our web site contract is due for renewal soon.

Renee has evaluated the chapter web sites offered by EAA National and finds them limited for our use. We need more disk space, more traffic allocation and the ability to forward email addresses.

Renee finds that our current web provider has limited applications available.

She recommends that we transition to another provider with better features at essentially the same cost. The board endorsed the change.

Newsletter Editor – Harvard Holmes (Acting)

Cleco material should be in by Wednesday, October 12, 2011. YE news can be submitted by Sunday, October 16. Harvard will work on a profile article on Bruce Seguire (for November).

Kevin Hoos has agreed to try the Newsletter position; he and Harvard will coordinate.

New Board Meeting Schedule

To accommodate Kevin Hoos, the Board has agreed to meet on the first Wednesday of each month (changing from Tuesday). This conflicts with MDPA board meetings, so we will look for other quarters, usually the terminal building.

Secretary's Report – Pete Mitchell

Pete reported that we have 68 paid members.

Air Academy Scholarships – Bill Reining

Bill reminded board members to look for Air Academy candidates. Tracy Peters volunteers with a Robotics group – he will look for any candidates there. A Contra Costa Times article covered Sully Sullenberger flying YEs at Livermore; perhaps the writer would do a piece on our scholarship. We need to check airlines for airfare donations.

Elections – Bill Reining

Dick Sperling has a full slate of nominees, but no more. He (or Guy Jones) will call for any

additional nominations at the time of the elections.

Tools for the Chapter – Tom Howard

Tom Howard and Bob Sinclair had a good meeting with the Livermore chapter tool librarian. Tracy noted that he intends to give a variety of tools to the Chapter, when arrangements are complete. Tom hopes to have a list of tools at one of the next general meetings.

Holiday Party – Sara Holmes

We are on track for the Black Angus Steakhouse in Pleasant Hill.

Wednesday Fly-outs

By Harvard Holmes

Photographs by Tom Howard

To maintain our proficiency, a number of pilots get together on Wednesdays and fly somewhere for lunch. Many of the aircraft owners in the chapter participate. Passengers are always welcome. Not only is it a great way to see the Bay Area, it's also fun to see and ride in our members' aircraft. The email address is WedFlyOut@eaa393.org You may contact HarvardHolmes@comcast.net or Renee Robinson webmaster@eaa393.org to be added to or removed from this list.

Generally, someone who wants to go flying will send a suggestion to this list a day or two before. Those who can go will respond, and a destination gets selected. Recent destinations have included: Half Moon Bay, Petaluma, Santa Rosa, Ukiah, Boonville, Shelter Cove, Willows, Auburn, Sacramento, Lodi, Stockton, Merced, Watsonville and Salinas. If the weather is poor, a destination may be selected as late as Wednesday morning.

The most active pilots on this list are Harvard Holmes, Bill Reining, Bob Belshe, Ron Robinson, and Phil Jenkins. Pilots sometimes advertise that they have empty seats, but not always. Harvard Holmes and Bill Reining are most likely to have extra seats (4 seat aircraft). My advice is to contact a pilot in advance to make sure they have room and to get directions.

Typically, you'd get to the airport by 11:30am and return by 3:30pm.

On September 21, the group found its way to Petaluma.



Tom Howard was back east – it looks like he found the Old Rhinebeck aerodrome.





On September 28, we went to Half Moon Bay.



Harvard took some friends of Pete Mitchell, who were visiting from Switzerland.



Back at Concord, Ernst Freitag is putting the finishing touches on his new RV-10.



On October 12, Marilyn and Dick Sperling were able to join about 10 other flyers on our lunch outing to Lodi.



FOR SALE: 1962 Comanche 250, Cherry condition, fully loaded, new paint, new annual, always hangared. Call Keith Martz for details and avionics. Available for viewing any day, by appointment, at Buchanan Field. Call Keith Martz, 925-933-1424 (Home) or 925-818-7235 (Cell).

Thanks to our Donors and Sponsors



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Thanks to our Donors and Sponsors!



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Meeting and Event Schedule

| Board | Y Eagles | General | Fly-out | Other |
|--------------------|----------|--|---------|--|
| Oct 4 | Oct 15 | Oct 26 | | |
| Nov 2 | TBD | Nov 16 | | |
| Dec 7 | | | | <i>Holiday Party at Black Angus Steakhouse</i> Dec 11 |
| Jan 4, 2012 | | Jan 25 | | |
| Feb 1 | | Feb 22 | | |
| Mar 7 | | Mar 28 | | |
| Apr 4 | | Apr 25 | | |
| May 2 | | May 23 | | |
| | | | | May 19 (<i>also National Learn to Fly Day</i>) |
| Jun 6 | | Jun 27 | | |
| | | <i>Golden West Regional Fly-In</i> | | <i>Jun 8-10</i> |
| Jul 11 | | <i>Arlington Fly-In, Arlington, WA</i> | | <i>Jul 11-15</i> |
| | | <i>Chapter Picnic</i> | | Jul 21 |
| | | <i>AirVenture 2012, Oshkosh, WI</i> | | <i>Jul 23-29</i> |

Our meetings are open to the public. Join us for dinner at 6:30 pm (\$7 donation) with the general meeting at 7:30 pm on the above dates in the building at 161 John Glenn Drive north of Sterling Aviation. Enter from the airport side of the building.

Chapter 393 fly-outs are open to chapter members and guests. See the newsletter for arrangements.

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The Leader In Recreational Aviation

We are on the Web!
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