



Experimental Aircraft Association

CHAPTER 393

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CHAPTER MEETING - POPE VALLEY FLY-IN!!!!
 MAY 31 AND JUNE 1, 1986.

COME ONE, COME ALL!!! Members and their accompanying guests, that is. All others will be cordially asked to leave. Sorry, we are not at all an unfriendly club, quite the opposite; but the current insurance situation dictates the policy that it is a closed party/meeting.

Rich Kelley announced at the Board Meeting on May 13 that he has just about everything lined up. There are a few more assignments to make, so some of you will, or may have already heard from him. Judging by the response so far, he says he expects about 70 to 75 people, so it should be a bang-up time.

A few important points: There will be no linen there. Take your own bed things, including soap and towels. There will be lotsa ice, water, soft drinks, coffee, etc.; but if you want anything harder, bring your own. If you would like to bring something, call Rich at #820-5955. Also, call him to let him know you are coming, so he can get a count. Bring your 35MM. camera and slide film. Remember the Christmas party!

Last month I ran out of space before I could give you the answer to the Quiz. Remember, we had Tom Swift making two flights in his new experimental. The first one he flew 1,000 miles each North, West, South and East and landed in the same spot. The second flight, he flew 500 miles each North, West, South and East and landed in a different spot. Remember, I said there were no obscure physical laws involved, earth rotation was not a factor and Tom was more than 160 miles from either pole at all times. Well, Tom actually landed 3.97 miles East of where he took off, and his airfield was located exactly 500 miles South of the Equator. If you look at a globe, you will see that a pilot taking off from Buchanan and flying those 1,000 mile legs, would end up in the drink somewhere West of the Farallones. However, by taking off 500 miles South of the equator and flying 1,000 mile legs, the pilot lands in the same place. Accordingly, if he only flies 500 miles, up to the equator, and then West, South and East 500 miles, he will overshoot just a tad.

CAFE 400

The race will be at Sonoma County Airport. Rwy 1 - 19 (5,000'), and an area for scales, etc., is set aside by the airport and EAA Chapter 124. Sign up by June 8th, when the entry fee goes up from \$80 to \$95. The weekend of the race is June 27. If you want to race, or volunteer, call Jim Horn, 707+523-4890.

EAA



EAA CHAPTER²

NUMBER 393 OF CONCORD, CA ZIP

● A LOCAL CHAPTER OF THE EXPERIMENTAL AIRCRAFT ASSOCIATION, INC. ●

GENERAL MEMBERSHIP MEETING APRIL 23, 1986

Meeting was called to order by President Kay Smith at 7:32. There were 55 attending. Kay showed new membership card format, and pointed out the two articles in press regarding our Chapter members, including Sasha Munir in the S.F. Examiner-Chronicle Image magazine. stunning! The articles received hearty approval as being fair and accurate.

Kay pointed out that some members did not get newsletters this month. Lack of dues-paying on their part. Minutes from last meeting were approved as printed, as was the current Treasurer's Report.

Pope Valley Chapter Fly-In May 31 - June 1 -- discussed assignments on who brings what. Bring your own bedding if overnite. BBQ about 4:30. Repeated statement that no non-393 member aircraft allowed - insurance reasons.

Kay promoted the upcoming fly-ins around the West, suggested more people try to go to them - lots of fun! Try it, you'll like it! June 15 is Buchanan Field Airport Day - we will have a table with EAA materials and also airplanes on display. Please come on down and partake of the celebration of our airport.

Bill deProsse had a report on the Evergreen aircraft scales - looks like about \$2,500 for whole set-up, or could be broken down to smaller number of load cells and computer. He will check further for a better deal.

Introductions followed, and then an informational program on LORAN, hosted by Rich Kelley. Several videotapes and speeches later, we all had a greater understanding of this black-box magic!

Respectfully submitted,

Rich Powell, VP

PRESIDENT'S MESSAGE

Now that we have FINALLY! gotten the bad weather behind us (I hope!), I expect to see some of those faces that have been in hiding all winter. The fly-in season is not around the corner - it's here! Watsonville is scheduled for the 23-25 of this month and I'll be there (the SPY has left orders), and on the following weekend is our own fly-in - Pope Valley. I hope everyone will join us at the Alumbaugh aerodrome - I GUARANTEE a good time! On the weekend following Pope Valley, is Merced - always outstanding. Down the road are Columbia, Buchanan Field Airport Day on June 15th, Truckee/Tahoe next (we ALL go), and one almost every weekend until winter (dirty word) again. I expect to see everyone attending these events - they are our show....and the SPY is bringing a camera.....

HAPPY CAVU!!!!!!

THE SPY IN THE SKY!

SEES ALL.....
KNOWS ALL.....
TELLS ALL (and then some).....

Your SPY has been relatively friendly, considering the adverse working conditions. What problems can an invisible individual have, you ask? For one, these masterpieces are very difficult during the winter months. Chapter members are usually too cold to get into much reportable mischief. Also, I spared NO expense having my own personal logo designed and reproduced on my stationery. So what happened? NO LOGO!

SPY is really looking forward to POPE VALLEY! Everyone who is anyone will be there! This is a great chance to start the flying season off right: with a PARTY!!!! Our chapter will provide food, soft drinks and merriment.....but do BYOB! If you would like to show off (I hate you) that slim, trim chassis, bring a suit and enjoy the pool. If you would like to (sleep it off?) stay overnight, bring a sleeping bag. There are some rooms available (to share?), but linens will not be provided. Bring your wife, girl friend, boy friend, husband or all of the above....SPY will bring a camera.... It will be a great time, and even better if YOU are there. Good friends, good weather, good food and good flying...what more could anyone ask!!!!

SPY

Many EAAers know about the OX-5 Club, but how many know there is an organization known as "The Early Birds of Aviation, Inc."? It started in 1928 when several pilots who had flown before WWI happened to get together at an air meet. They chatted about their first experiences as pilots and their aircraft, contrasting them with the airplanes that were flying past and the pilots who were flying them. One of the old-timers, who was a member of the Aero Club of America, contacted a list of names of those who had flown prior to WWI, suggesting they form an organization. They decided that their cut-off date would be December 17, 1916, because 1916 was the most significant aviation year prior to the declaration of war, when any man who was physically and mentally qualified and wanted to become a flier and defend his country could learn to fly at Uncle Sam's expense, and December 17 was the 13th anniversary of mankind's first flight in heavier-than-air craft. For the past two years the Early Birds have had their annual reunion with the OX-5 club. Last October there were 16 that met in Los Angeles. Perhaps one of the most notable names that all may recognize is that of Sir Thomas O. M. Sopwith, aged 97, who lives in England.

SAFETY TIP**HOW TO TELL IF THERE IS ALCOHOL IN YOUR GASOLINE:**

Take a 1,000 ML glass graduate and pour in 100 ML of water and then add the suspect fuel to the 1,000 mark. Shake the mixture for three minutes and then allow to settle for ten minutes. To determine the amount of alcohol, record your new water level as "V" in the following equation: $(V-100)/900 \times 100$, which will give you the percentage of alcohol in your gasoline. For example, if the new water level of your graduate equals 175 ML, then the percent of alcohol can be found by solving the equation $(175-100)/900 \times 100 = 75/900 \times 100 = 0.083 \times 100 = 8.33$, which is the percent of alcohol in your gasoline. General recommendations suggest that 1 percent alcohol or less will probably have little effect on your aircraft, 1 to 5 percent alcohol presents possible significant problems, and any concentration over 5 percent warrants draining the fuel system.

THE POWER DIVE

The Air Force let a contract with a small aircraft company to design and build 3 prototypes of a new close-support airplane. They were given specifications and a deadline for testing. After months of effort, the day came to send up a test pilot in the first one. Everything went fine until the power dive. At the critical point, both wings separated. The pilot ejected and it was back to the drawing board. Plane number 2 was built with extra strengthening in the wings and a lot of nervousness for the designers. The great day arrived and the plane went up, but the same thing happened. Both wings tore off in the power dive. The computers got busy as the deadline was fast approaching. With the test pilot ready for the flight of the last plane the next day, the engineers were very fearful because they really hadn't found the cause of the accidents. As they were standing around, the janitor came along and asked what was the matter. The matter was they were all out of a job if the wings came off the third plane. The janitor said he would think about it overnight and the designers all laughed. Next morning, the janitor was back with a suggestion. Drill a row of tiny holes across the wings, top and bottom, right where they had been tearing off. The engineers, not having thought of anything better, decided to try it. Out came the workmen with their drills. The test pilot went up and the plane flew beautifully through several power dives. Everyone was happy. Finally, someone thought to ask the janitor if he was an engineer or scientist or something, and how had he come up with the idea. "Nothing like that," was the reply. "I was sitting in the bathroom last night and I suddenly realized that the paper never tears where they put the little holes."

CHAPTER 393 MINI-MART

For Sale: Quickie kit. No construction started. 18 H.P. Onan engine. \$2,500 or make offer. May consider selling foam and glass cloth from kit. Jan Switalski, 415+228-6399. 1

Hangar Space: Share a Port-A-Port Exec. III. Ideal for Vari-Eze or small Bi-plane. \$150 per month. Pete Wiebens, 415+933-7517. 1

For Sale: Motorcycles. Jan Switalski, 415+228-6399.
 1981 Yamaha Virago 750 \$1,900
 1982 Honda XR200R 900
 1976 Honda XL350 500 1

(MINI-MART CONTINUES TOP OF PAGE 7)

EXPERIMENTAL AIRCRAFT ASSOCIATION

CHAPTER 393

1986 CALENDAR

CHAPTER MEETINGS - The 4th Wednesday of every month - 7:30 P.M. at Buchanan Field Terminal Building
EVERYONE IS WELCOME! Bring Chairs!

BOARD MEETINGS - On the dates listed below (usually the 2nd Tuesday each month) - 7:30 P.M. at Navajo Aviation. Chapter members are welcome.

MAY

Board - May 13th

Chapter - May 31/June 1 - Pope Valley Fly-In. Restricted to Chapter #393 members and families. Sorry. We've got to get relief from this liability problem.

May 3 -- Auburn Air Show canceled due to insurance rates, but the Auburn Av. Ass'n., 99's, C.A.P., local I.A.C. chapter and other area service groups are holding a WINGS & WHEELS day. Stat. displays, military fly-by's, food and some contests, but no aerobatics.

Activities - May 13 -- Annual CCR Tower Pilot Mtg., Sheraton Hotel.
May 16-18 - Hayward/Las Vegas Proficiency Air Race. No handicap. Student pilots are welcome, and Experimentals are welcome, first time this year. \$500 cash prize. Awards party Sat. night at Imperial Palace Hotel. 15 trophies plus specialty awards. Kits \$4.00, available from: Hayward Air Race Comm., 20301 Skywest Dr., Hayward, CA 94541. You can also call Lou Chianese at 415+581-2345 Ext. 5285.

May 17-18 - "Planes of Fame" air display, Chino, CA.

May 23-25 - 22nd Annual Watsonville Fly-In. Stay at the Sea Cliff Inn, Aptos, phone 1+800+367-2003.

JUNE

Board - June 10th

Chapter - June 25th - Doug Cline will tell us what he looks for in a plane and what he prepares for when he is making a first flight in a new homebuilt.

Activities - June 6-8 - 29th Annual West Coast Antique Fly-In, Merced.
June 13-15 - Porterville 34th Annual "Moonlite Fly-In."
June 14 - Lincoln Airport Annual Air Show.
June 14-15 - Columbia Fly-In.
June 14-15 - Redding Air Show.
June 15 - Buchanan Field Airport Day. Tower open house. Come back from Columbia early on Sunday.
June 19-21 - Paso Robles Aerobatic Competition.
June 21-22 - 17th Annual Truckee Tahoe Air Show.
June 27-28 - CAFE 400, Santa Rosa. Jim Horn, 707+523-4890.
June 27-29 - Travelair Fly-In, Vacaville Gliderport.

JULY

Board - July 8th

Chapter - July 23rd - Annual Pre-OSHKOSH Picnic, directed by Sasha Munir.

Activities - July 4-5 - Bridgeport 4th Fly-In. Camp for the night.

July 12 - Grass Valley Fly-In and Avionics Swap Meet.

July 17-20 - 17th Annual Northwest EAA Sport Aviation Fly-In Convention, Arlington, WA.

AUGUST

Board - August 12th

Chapter - August 27th - Possibly Ron Sorenson: Pleasures of Running a FBO

Activities - August 1-9 - OSHKOSH!!!

August 15-17 Madera War Bird Fly-In

SEPTEMBER

Board - September 9th

Chapter - September 24th - Member show and tell. Introduce a part, an occurrence, or something about aviation.

Activities - September 11-14 - Reno Air Races.

September 27-28 - Fifth annual Humboldt County Air Show and Fly-In, Eureka/Arcata.

OCTOBER

Board - October 7th

Chapter - October 22nd - Hal Wight, Manager of Buchanan Field.

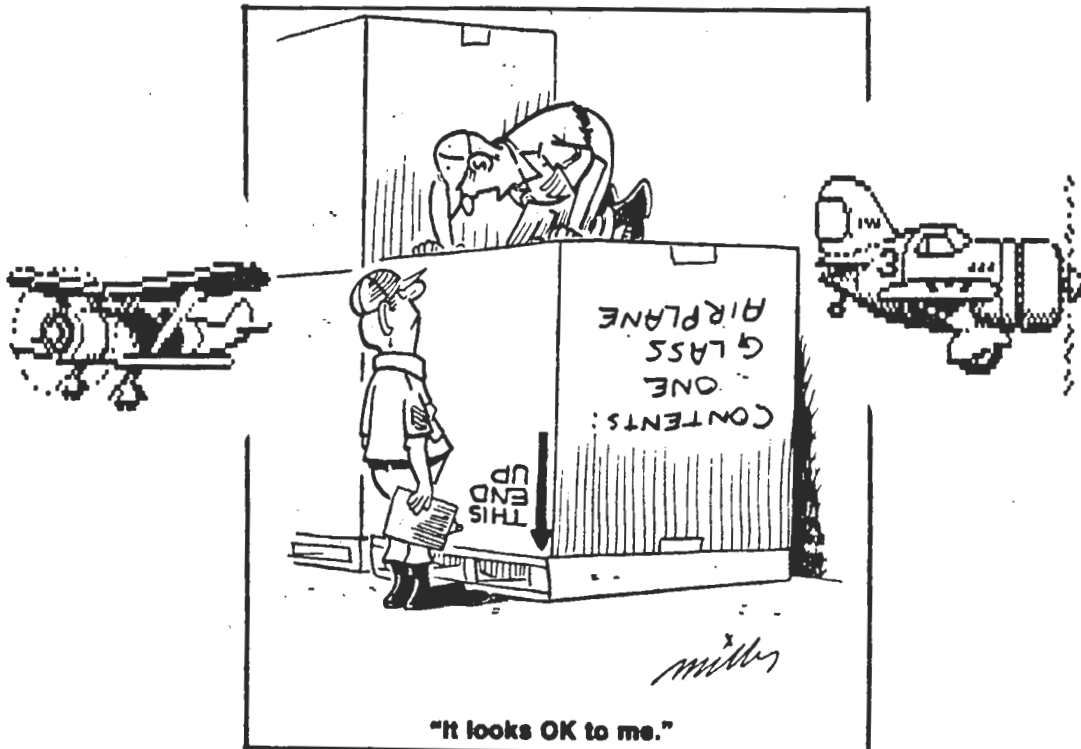
NOVEMBER

Board - November 11th

Chapter - November 26th - Lyle Powell - Propellers.

DECEMBER

Board - December 9th

Chapter - Annual Christmas Celebration and Awards Banquet - Friday
December 19th at the Concord Elks Club - Club Room

MINI-MART (Continued from page 4)

For Sale: Midget Mustang, 75 TT, Lyc. 0-235 100 H.P., full elec. with starter, NAV/COM, strobe, wet wing, 1,000 plus mile range, Imron paint. 160 MPH cruise on 5 gal. auto fuel per hour. \$9,500. Stub Pilote, 415+883-7067. 1

Wanted: For Quickie 200 project: Mid-time keystack 0-200 with accessories. Also one wing core foam block, NAV/COM, electronics, electrics, 500x5 wheels and brakes, instruments, 4" tailwheel, threats, prayers, encouragement, and whatever else you have cluttering up your shop and appropriate to a Q-200. Quentin Durham, Orinda, 415+254-7843. 1

For Sale: 1959 Cessna 150J Commuter. 870 SMOH, stock equipment, blue and white. Has STC for auto gas. At Buchanan. Lic. N6522 is up this month. \$6,000. John Fick, 415+946-9715. 1

 The A.I.R. "Water Detector" is back in production. With a probe located in the fuel system, a light on the instrument panel warns of the presence of water in the fuel. The Water Detector is FAA approved (STC No. SA1427WE). It sells for \$129.50. For further information, write A.I.R. Components, P.O. Box 328, Florence, OR 97439, or call 503+997-2119.

COMPOSITE WORKSHOP AT OSHKOSH

The instructor will describe fiberglass and epoxy layups, techniques to use in foam and cloth cutting, demonstrations and hands-on experience in cutting newly cured materials, finishing practices, etc. In conjunction with the Composite Workshop, there is a workshop on Plexiglass canopy repair where you can obtain information from an expert with hands-on experience, if you wish. The DuPont Kevlar team will be on hand providing demonstrations, information and hands-on experience in the use of this material and the tools used.

QUIZ OF THE MONTH

Your experimental is no longer. The 'experiment' failed. You and your passengers (number unimportant, but at least one) are unhurt, sitting on a rock in a desert-type surrounding (and believe me there are plenty of them in Northern Calif., including big sections of the Sierras), watching the wrecked plane be completely demolished by fire. It is now 10:00 AM, and already it is 100 degrees and the sun is beating down hotter and hotter. From the sectional air map you have, you can see that there is a small mining town 70 miles from the crash site. You were 60 miles off your filed flight plan course when you went down. The one rule of the game is that whatever your decisions, you must all stay together. You have 15 items you were able to salvage before the flames started. The object of the game is to rank their importance and why.

- | | |
|--------------------------------|--|
| 1. 2 Quarts 100 proof vodka | 9. 1 Topcoat per person |
| 2. 1 Quart of water per person | 10. 1 Pr. sunglasses per person |
| 3. 1 Flashlight | 11. 1 Book, "Edible Animals of the Desert" |
| 4. 1 Jackknife | 12. 1 Sectional air map |
| 5. 1 Plastic raincoat | 13. 1 Magnetic compass |
| 6. 1 Loaded 45 caliber pistol | 14. 1 Compress kit with gauze |
| 7. 1,000 Salt tablets | 15. 1 Parachute with a large red circle pattern on it. |
| 8. 1 Mirror | |

Answer, developed by a panel of aviators who are judged to be expert desert survivalists, next month.

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