

Spirit of Flight

Experimental Aircraft Association
Chapter 14, San Diego CA

August 2004



INSIDE THIS ISSUE

- 2 President's Message
- 3 Nieuport Report
- 4 Reach For Tomorrow report
- 5 The Flying Report
- 7 Board Meeting minutes
- 8 Calendar of Events
- 9 Unclassified Ads

Saturday August 21 – Dr. Kerber and his L-39 Albatross, RV Fly-in (free breakfast to RV pilots)

Saturday September 18 – Paul Hanson and Loren Schrieber, Oshkosh Recap

Holiday Party/Awards Banquet scheduled for Friday, December 3

Mark your calendars now!

Cover: 81 Young Eagles plus counselors and chaperones from Reach for Tomorrow.

Presidents message

By Richard Kalling

Last month I mentioned that elections were just around the corner. The nominating committee has been chosen and consists of Chris Puntis and Loren Schreiber. See one of them and let them know if you are interested in running for office. Speaking of offices, Dennis Cullum is taking over for Jack Thompson as chapter treasurer for the rest of his term. This was at Jack's request. Jack will be concentrating on trying to get us a new lease. Progress has been slow but there is progress. As I said last month we may have to move just up the road near Customs due to the fact that the new entrance to Brown field is planned to be right where we are now located. This won't happen overnight, it will take several years but we need to be prepared if it does. Jack is doing a great job on this. With Dennis taking over as treasurer, another change was necessary. Ryan is the new hangar manager in place of Dennis. Next time you are at the field I think you will see that he has been busy. Thanks for cleaning things up, Ryan.

Our Speaker for the month of August is Dr. Kerber. He, you will remember, was our speaker for the Awards Banquet last December. His talk then was sex and the aging pilot and it was well received. This time he will be bringing in and talking about his L-39 Albatross. It should be a good show. It is a sexy airplane. Lista Duren said that in addition to the Breakfast that week she plans to also serve Lunch. It will be a little later than usual however. Our Topic for the September general meeting will be Loren Schreiber with a talk about his and Paul Hanson's trip to Oshkosh. Should be fun. Last month I also mentioned we had tried a new method of printing the newsletter but would go back to printing it the way it was in the past. Well, that didn't last long. Kerry found a way to get

us a better deal on the cost and get a better quality print. Good going Kerry. All in all I would say we are having fun doing what we like most, flying, talking about flying, planning on flying, building, talking about building and planning on building. Throw in an occasional trip and a regular meal and how can you beat it.

Upcoming Programs

By Larry Rothrock

August... Don't forget the August General Meeting!! Dr. Kerber will bring his nifty jet to the field on Saturday, August 21 and will tell us all about the Czech L-39. This jet military trainer is becoming very popular.

Also, don't forget all RV's get free breakfast

September... Our faithful EAA14 colleagues, Loren Schreiber and Paul Hanson will make the presentation at the September 18th General Meeting!! Kindly, beloved Paul Hanson is a Chapter 14 Life Member, has built a Tailwind and now, an Offshoot of the Tailwind. He is known for designing the revolutionary Hexagonal Hangar on our site. Loren is a Director of the Chapter and is known for being able to get along with Paul.

Paul and Loren will fly their Jabiru-powered plane to Oshkosh and will give us a slide show of the trip and of 'What's Cool at Oshkosh this Year'.



Not Dr. Kerber's, this L-39 was seen at Oshkosh.

Nieuport Fuselages are All Right!

By Lista Duren

The Siesta patrol celebrated a milestone last month with the completion of the first six fuselage right sides. We have one more to go so that Jim MacKinnon, our newest member, doesn't feel left out. Watch for these coming attractions in the next few weeks:

- Construct Fuselage Left Sides
- Assemble Fuselages
- Construct Landing Gear Legs
- Construct Firewalls
- Attach Tail Surfaces

This project is truly a group effort with all of the Squadron members, as well as a number of interested Chapter members contributing many hours to the project success. Special thanks to Clive Shilbach and Ashley Palmer for their assistance with tooling and in machining small parts for the project.

Stop by the back of Hangar 2 on Saturday afternoon at Siesta time to check on our progress. You get to watch for ten minutes; after that we put you to work. Cookies extend the viewing time to twenty minutes.

More Corvair Conversons

Chapter 14 members John Collins and Gene Hubbard have started the process of converting 1960s era Corvair engines to power experimental aircraft. John is constructing a Whitman Buttercup to tow behind his engine, while Gene doesn't have a specific airframe in mind, but is sure that he'll think of something.

The Corvair engine, with air cooling and a lightweight aluminum crankcase, is a natural choice for an aircraft powerplant conversion. Bernard Pietenpol pioneered their use in aircraft in the early 1960s; more recently William Wynne has refined, published, and promoted the conversion procedure for first-time builders.

The conversion procedure is fairly straightforward: the crankshaft is modified to hold a propeller hub, the bell housing is cut down to form the front cover of the modified engine, and a complete overhaul is performed using forged pistons and a modern camshaft profile. Typically, flight engine conversions are modified to use free-air cooling instead of the original Corvair fan arrangement, and the original dual carburetor is replaced with a single updraft carburetor in the typical aircraft configuration.

Gene and John have both disassembled their engine cores and have begun the rebuild process. Watch these pages for further details.

The Piet Sprouts Wings!

Gene Hubbard has finally attached the wings to his Pietenpol Air Camper in Hangar 2, and has started the final rigging process in preparation for covering. In answer to everybody's question: the only place that the temporary wood struts will fly is into the bonfire at Ocotillo Wells. Even though the plane looks 90% complete, Gene reports that approximately 90% of the construction task remains, including the following systems:

- Lift Struts
- Brake Assembly
- Engine Assembly
- Cowl Mounting Hardware



Gene's Pietenpol with temporary lift struts in place.



Young Eagle pilot Joe Andrade presents Young Eagle certificate to Barbara Edwards, one of the Reach For Tomorrow group leaders.

- Firewall Installation
- Pitot-Static Plumbing
- Bungee Replacement

As always, there's got to be more. At any rate, Gene has bought a share of the Serendipity Flyers C-140 and has started work on his tail wheel endorsement to be ready when the Piet is. Stop by Hangar 2 and see the progress.

Reach for Tomorrow Flies with Chapter 14

By Lista Duren

July 10th brought us the biggest group of Young Eagles ever. We flew 82 kids and about 10 counselors from Reach for Tomorrow, a volunteer program to improve "at-risk" students' educational motivation and desire to succeed. This group of high school freshmen traveled from Washington DC and Chicago to spend a week at UCSD where they got hands-on training in math, physics, chemistry, neuroscience, biology, and marine science. For fun, they also got to try surfing, wind surfing, kayaking and flying. After they left Brown Field, they were going to tour the USS Midway and visit NAS North Island.

Rich Kynaston, American Airlines pilot from San Marcos founded the program in 1997, and Paul Shaw, a Naval Reservist from San Diego, works with him to make it happen. From our side, it was kind of like a 10-ring circus. Eleven pilots volunteered their time and their planes to get these kids up in the air. Many thanks to Chapter 286 pilots Rick Brown and Ken Kalbfell, and Chapter 14 pilots Joseph Andrade, Stan Bell, Armond Brattland, James Chapman, Pete Grootendorst, Dick March, Larry Rothrock, Loren Schreiber and King Schultz. Gale Hess, Dennis Cullum and several on-the-spot volunteers kept the planes organized for loading and taxiing, and escorted kids to and from the planes. Kerry Powell produce 82 certificates. Richard Kalling and Bob Osborn served over 130 hotdogs. In the hangars kids learned about airplane design and construction from resident experts Frank Himmerich, Gene Hubbard, Joe Russo, Jack Thomson, Bob Johnson and others. Dayton Smith masterminded the overall organization with administrative assistance from Roger Magee. Lista Duren wore her usual Young Eagle hat - - assigning crews to pilots. We all had a great time making it happen, and judging from all the smiling faces and the chatter, it was a great day for the kids.



Another flight of Reach For Tomorrow Young Eagles prepares to board Joe Andrade's Cessna 172B.

The Flying Report

By Bob Osborn

July 3 - Fireworks ! You want fireworks in the sky? Then access the following web site and click on the sky above Lady Liberty.

<http://www.njagoyouth.org/liberty.htm>

However if you want a beautiful flying day, great airfield, a wide variety of airplanes, and sparkling companions, come to the Brown Field fly in on the 3rd of July where it all happened. Also for only \$2.50 the lunch of Polish/Italian sausage, baked beans, rolls, and fruit salad, served by Chefs Dennis Cullum and Larry Rothrock with Ed Fitzgibbons assisting as cashier, filled in the hollow spots and enhanced the weight and balance for both pilots and planes. They were all there, the Buckers, Cessna's, Ezy's, Kitfox's, Fly Baby, Lancair, Piper's, Offshoot, Quickie, Sonex, RV's, L-2, Starduster, etc. etc. And Nieuport 11's scattered all over hanger 2. It is like the "4th of July" every Saturday at Brown Field EAA Chapter 14.

July 10 - This is not a flying report. Someone who flew Young Eagles today will have to supply that information. There were Young Eagles flown and then some! Something over a hundred it appears. [81 students and ~10 adult counselors. Editor] An excerpt from one of the planning messages explains who it was that we flew. Thankfully Chapter 14 pilots turned out for a maximum effort and a couple of planes from the north county EAA Chapter assisted also.

This is a luncheon report. Over 150 lunches of hot dogs, nachos, potato salad, potato chips, and kraut were served. Rodger Magee, Chris Puntis, Richard Kalling, and Bob Osborn dished up the vittles. Nearly 200 Farmer John beef wieners were downed. Everybody likes hot dogs.

UCSD Helps Students Reach For Tomorrow

Who: 60 DC youth, 30 from the "I Have A Dream" program and 30 from Friendship Edison Collegiate Academy will travel to San Diego to spend a week at the University of

California at San Diego (UCSD). They are joined by another 40 high school freshmen and adults from the Chicago Bulls Scholars program in Chicago, IL.

What: Each 5 students are matched with a mentor for the week who agrees to complement parents and schools for the next 2 years, tracking attendance, grades twice a grading period and intervening when any grade goes below a B, ensuring students take an SAT prep and the PSAT by 10th grade, ensure students develop a resume and complete attitudinal evaluations. This week long bonding experience exposes students to college life including: science labs in artificial intelligence, pediatric neuroscience, physics, chemistry, extracting DNA in biology labs, and marine science on a floating lab; piloting a light aircraft with the Experimental Aircraft Association; surfing, wind surfing, or kayaking lessons; visiting the US Navy Depot and flight test at NAS North Island as well as the USS Midway, an aircraft carrier; and discovering what it takes to prepare for college and life through a series of evening guest speakers at UCSD."

Last week Ken Simmons and daughter Avian paid us a visit. Ken was newsletter editor and very active Chapter member a few years ago when he was stationed on the Stennis and deployed to the Med. He never missed an issue of the newsletter, editing and compiling it aboard ship and e-mailing it back to the



Ken Simmons and daughter on recent visit to Brown Field.

Chapter. Ken retired from the Navy and lives in Idaho where he is building an RV-9.

July 17 - A warm July "third Saturday" at Brown Field just as it was supposed to be. Ty Tovall and Bill Clark prepared their excellent breakfast of pancakes, eggs, and sausage, served up with a smile. The faithful flew in, in an assortment of airplanes for a relaxed breakfast and visit. No surprises and that's the way we like it. A very different Saturday than a week ago when nearly 100 Young Eagles and their mentors were on hand for an introduction to airplanes, flights, and lunch. Still there is always something happening at Chapter 14. Tony Gittes has sold his Longeze leaving a huge void in hanger 2 which kind of instantly disappeared as Gene Hubbard's Pietenpol appeared on the spot with its wing mounted, cowling on and only cover and prop between it and first flight. 90% done! Well maybe 40% left to do such as the struts need streamlining to reduce drag. Gene spent the day with the Newport builders who just keep plugging away.

Prez Richard opened the monthly meeting with the Pledge of Allegiance to the Flag and a run down of recent events. Gene Hubbard introduced Phil Cody of the San Diego Police Department Flight Section. Nine pilots fly 2 Cessna 182's and 4 helicopters out of Montgomery Field. Phil noted that two of the helicopters were old being the original aircraft the unit started with and two are somewhat newer models. They are hoping for 4 new helicopters soon, the planning for which has been in the news recently. Phil showed video's of car chases taken from their helicopter. No one escapes once the helio gets on the case. It was amazing how after fleeing suspects who escaped the often wrecked vehicle, on foot, were so clearly shown and tracked on camera.

July 24 - Saturday morning at 0600, Casey Auiler brought his charcoal smokers, barbecue equipment and boiling bean pot to EAA Chapter 14 hangers and started the day. Perhaps all that smoke is what caused the fog

to hang in at the field limiting visibility and restricting fly in aircraft until after 0930. All the better for those of us who drove in to sample the delicious aroma of barbecuing pork shoulder. Did we care if anyone flew in? All the more for those of us awaiting that magic time of 1130 when the dinner bell sounded. Casey, Ron Schuler, and John Samson served up a delicious lunch of tender, smoked, barbecued pork, baked beans, and corn on the cob. We ate it all, truly a memorial luncheon. So what does this have to do with flying? It was a memorial flying day as well.

Philip Lankford flew his Q-200 down from Ramona. Philip purchased the plane recently from a Texas pilot, and the two of them toured California in it while Philip acquired a check out and flight time for insurance purposes. The plane is a beauty, looks brand new and has a full panel. It is with conventional gear, the wheels mounted at the front canard tips, and powered with a Continental O-200 engine. And, bringing great joy to Chris Puntis, his Sonex flew sweetly, with the engine running strong and steady. Pete Grootendorst made the 6th test flight with all systems go and followed with a checkout flight with Chris. An obstructed fuel line was the apparent culprit in the earlier test flights. Finally, Paul Hanson and Loren Schreiber departed early for Oshkosh in Offshoot, thereby missing Casey's feast. Thanks Paul.....



Phil Lankford's new Q-200.

Experimental Aircraft Association, Chapter 14 Board of Directors Meeting Minutes - 24 June 2004

Present: Dennis Cullum, Lista Duren, Pete Grootendorst, Gale Hess, Gene Hubbard, Richard Kalling, Kerry Powell, Larry Rothrock, Joe Russo, R. S. Ryan, Loren Schreiber, Dayton Smith, Jack Thomson

Absent: John Alley, Mike Fisher, Roger Magee, Bill Moore

Call to Order—President Richard Kalling called the meeting to order at 7:04. Minutes for the May meeting were read and accepted as written.

Reports—

Financial: Jack Thomson. The financial reports for April and May were presented and approved.

Facilities: Dennis Cullum. There are delinquencies of up to three months for hangar rentals. Not all hangar tenants are current with their Chapter dues. Gene will identify tenants with dues in arrears. Dennis will attempt to contact tenants and arrange payment terms.

A partially constructed RV-6 kit including wings and empennage was donated to the Chapter along with the following tools:

Compressor

Grinder

Band Saw

Drill Press

The kit is currently stored in the mezzanine of Hangar 3. Dennis will take inventory, assign a value, and advertise it for sale in the Chapter newsletter. Expected value is approximately \$3,000, with a cost new of \$5,000. Gale recommends advertising in Aviator's Bulletin also. Lista will arrange to send a thank-you letter and tax receipt to the donor.

A pilot from Camarillo has inquired about space for parking a Tri-Pacer at the Chapter facilities. We do not have hangar space at present, but Dennis pointed out that the six-month membership requirement could be waived to allow him to rent tie-down space. Discussion ensued, with Gale pointing out that we should not get ourselves in the position of competing with the FBOs for commercial business. The matter was resolved by noting that Dennis has authority as Facilities Manager to weigh the issues and make a decision.

Lease: Joe Russo. Jack's dialogue with Tracy Means has developed into a rapport. We have received some insight on the City's future plans, including the following features:

- Airport Master Plan Submitted
- Our current location will become the new airport entrance and terminal facility
- Helipads will be moved
- Our current proposal does not include adequate clearance for tie-downs.
- City is currently accepting ideas and sketches.
- Formerly denied use of parking and bathroom at old tower. Haven't discussed this in current meetings.
- All lease decisions come from Property Assets Division downtown.

At present [24 June] Tracy is on vacation for two weeks.

There is some confusion on the status of the Airport Master Plan. When Dennis checked on its status, Mr. Escalante on the Airport Advisory board didn't know anything about it. Board members expressed some doubt about whether the plan was real.

Jack described two alternative layouts for the new EAA facilities. One plan showed a traditional row hangar configuration while the other showed hangars clustered around a central quadrangle. An informal estimate of \$30,000 - \$40,000 was presented to move the

current hangar facilities.

Gale reported that a new state committee was announced [June 24th] to improve use of small airports.

Newsletter: Kerry Powell. The May and June newsletters arrived on the same day. The May newsletter was e-mailed in early May. The June newsletter was e-mailed on 6/6/04. Both were snail-mailed (263 copies) on Monday 6/21/04. It was acknowledged that the "new" distribution method was not working. We will go back to the old approach of downloading and printing at Office Depot. Lista will put Kerry in touch with a printer in Chula Vista who can handle electronic distribution. *[Editor's note – we got a discounted rate from Kinko's and are now having the newsletter printed there.]*

Young Eagles: Dayton Smith At present, not enough Chapter 14 personnel have volunteered to support the Reach-For-Tomorrow program on July 10. We will ask for help from the Palomar chapter and the Optimist's club.

Program: Larry Rothrock.

July—Helicopter Police

August—Dr. Chuck Kerber on L-39

September—Loren Schreiber on Oshkosh

Ron Roberts should be able to talk at the July meeting. Gene was authorized to produce a first-class mailing promoting this event. [As it turned out, Roberts was unable to attend the July meeting so the mailing was not sent.]

Suggestion to feature different aircraft types for monthly fly-in starting in August. General approval but no formal action.

Suggestion for future poker run. Potential airports include SDM, MYF, SEE, OCN, CRQ.

Adjournment— The meeting was adjourned at approximately 9:00.

August Birthdays

Help us wish the following Chapter 14 members a very happy August birthday!

2	Ben W. Hunsaker
3	Herbert L. Young
4	Carl J. Benson
5	John L. McWhinney
6	Eugene S. Kaiser
10	Robert D. Osborn
10	John P. Cronk
11	Fred Reynolds
11	Stanley G. Bell
11	Richard E. Vogelsang
16	Don Thornton
18	Earl E. Bush
20	Roger L. Sokoloff
25	Edward L. Fitzgibbons
27	Avonell D. Aspengren
29	Stewart B. Cochran
29	Wheeler North

CALENDAR OF EVENTS

August 7 – Open house, coffee, lunch at Chapter 14 hangars, Brown Field.

August 14 – Young Eagles, 9AM, Open house, coffee, lunch at Chapter 14 hangars, Brown Field.

August 21 – Pancake breakfast 8:30, RV Fly-in, Chapter meeting – 11 AM, Open house, coffee at Chapter 14 hangars, Brown Field.

August 26 – Board Meeting – Montgomery Field administration building 7PM

August 28 – Open house, coffee, lunch at Chapter 14 hangars, Brown Field.



Pete Grootendorst and Chris Puntis following final checkout of Chris' Sonex.

CERTIFIED  **LOCKSMITH**
Keys Made Locks Repaired

Emergency Openings

ELVIN W. AL ALLEN
3131 Valley Rd., Sp. 8
National City, CA 91950
619-267-6167

PROFESSIONAL SECURITY CONSULTANT

BAKER & MAXHAM
A PROFESSIONAL LAW CORPORATION

PATENTS
TRADEMARKS
COPYRIGHTS

FRELING E. BAKER
PATENT LAWYER

SYMPHONY TOWERS, SUITE 3100
750 "B" STREET, SAN DIEGO, CALIFORNIA 92101
TEL. (619) 233-9004 FAX (619) 544-1246
EMAIL: FBAKER@BAKERMAXHAM.COM



BUS. 427-4215
RES. 422-3130
FAX. 427-2989

STEVE D. BUCHHOLZ
REAL ESTATE BROKER, NOTARY

BALBOA REALTY
397 THIRD AVE. SUITE A
CHULA VISTA, CA 91910

PAGER 506-4760 (#)

Rent This Space

Put your business card
here for only \$5 per issue

Contact Kerry Powell, Newsletter Editor at
760-602-0662 or kgpowell@adelphia.net

VALLEY TRANSMISSION
447-4353
1158 NORTH 2ND ST. • EL CAJON, CA 92021
Greg Boehm, Dr. of Carology
Specializing in Transmissionology
Certified Automotive Instructor

Express
AIRCRAFT COMPANY, LLC

www.express-aircraft.com

Your Plane got Beef? Ours does! The Express 2000 can carry four 200 lb. men, baggage AND 140 gallons of fuel. 200 MPH AND a low stall speed. Kit, Extraordinary Factory Builder Assist Program and Exceptional Factory Finishing Services.
360-352-0560

Unclassified Ads

Unclassified ads are free to Chapter 14 members - \$5 to non-members for 2 months. To submit an ad (or other newsletter input) send to Kerry Powell, Newsletter editor, either by email (preferred) at kgpowell@aol.com, or by phone at 760-602-0662

RV-6A kit. \$7000, can deliver almost anywhere in S Calif. 858-442-8818 cell, or 858-277-8818 home ewatson1@pacbell.net
NEEDED; Crankshaft Lycoming O-320. Call ASAP, Gerry Curtis, 909-446-1423, Cell: 909-333-3002. Will Also buy a low time engine, if tests out OK & price is right.

1953 Tri-Pacer, IFR, restored 1999 \$25,000, **Piaggio Scooter,** \$4,000 Call Dr. Gerry Curtis 909-446-1423
One tenth share in Cessna 140 flying group \$2500 Must be Chapter member. Call Chris (760) 943-6997
BD 5 kit fuselage, wings' and tail done, only \$500.00 or trade. 619-549-9606

Wanted- good flight instruments 619-549-9606
New Bendix S200 magneto \$500. This model has no impulse coupling. Lloyd Gray 760-753-5197
Lancair 320 250 hrs tt, IFR, 210 MPH, 7.5 GPH, \$79,000 . 1-619-549-9606

**EXPERIMENTAL AIRCRAFT ASSOCIATION
 SAN DIEGO CHAPTER 14
 1409 CONTINENTAL AVENUE
 SAN DIEGO, CA 92154-5707**

**NON-PROFIT ORG.
 U.S.POSTAGE PAID
 PERMIT No. 91
 CHULA VISTA CA**

August 2004

CHAPTER WEBSITE

<http://www.eaa14.org>

E-mail

kgpowell@adelphia.net

EAA Chapter 14 Memberships

Membership cost is \$25.00 per year plus an initial \$5.00 induction fee for new members. Applications are available at our Brown Field hangars and on our website.

Chapter Officers and Directors

Title	Name	Phone	E-mail
President	Richard G. Kalling	(858) 549-0785	rkalling@mail.sandi.net
Vice President	Larry Rothrock	(858) 748-1626	rothrock@sd.znet.com
Secretary	Lista Duren	(858) 452-7112	lduren@pacbell.net
Treasurer	John P. "Jack" Thomson	(619) 425-6404	jpt@nethere.com
Director	John Alley		
Director (Hangar Mgr)	Dennis Cullum	(760) 436-5806	dfcullum@aol.com
Director	Charles E. "Mike" Fisher	(760) 753-1064	cmdfisher@aol.com
Director	Pete Grootendorst	(619) 421-6252	pjgrootend41@cox.net
Director	Gale Hess		
Director (Membership)	Eugene N. Hubbard	(858) 274-2091	ehubbard@titan.com
Director	Roger Magee		
Director	Bill Moore	(619) 222-8835	
Director (Web/Newsletter)	Kerry Powell	(760) 602-0662	kgpowell@adelphia.net
Director	Joseph Russo	(619) 295-1718	jrussosd@aol.com
Director	R.S.Ryan	(858) 273-4051	rryan@san.rr.com
Director	Loren Schreiber		
Director	Dayton L. Smith	(619) 421-6546	daytons@cts.net
Director Emeritus	Ben W. Hunsaker	(619) 276-5121	
Flight Advisor	Reuven Silberman	(619) 749-5561	pilots2@yahoo.com
Brown Field Hangar No. (with recorder)		(619) 661-6520	

On-Going Chapter Events

Open House at the Brown Field Hangars every Saturday from 8:00 A.M. to 2:00 P.M. with lunch at 11:30.

Pancake breakfast - third Saturday of each month.
 General Meeting - 11:00 A.M. third Saturday of each month.

Tape Library

Our tape library contains over 700 tapes of many interesting and informative subjects. These tapes may be checked out by members for a period of one week. If you can't return the video in person, please return it by mail.