

EAA 105

PORTLAND OREGON



September 2006



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Next Meetings

- **Sept 14th** 6:30 PM—General meeting at Ray Fogg's RV-8A on Sunset Airpark, North Plains
- **Sept 21st** 7:00 PM — Board Meeting at the Twin Oaks Chapter Project Hangar (G-1).



Newsletter Deadline

- **Sept 22nd** — Newsletter article contributions and ads are welcome anytime, but may be held to a later issue if received after the deadline.

On the Cover

A royal Aircraft Factory BE2c, at the Imperial War Museum, London.

World of RVs

Van's Homecoming

2006

Aurora Airport

September 2-3, 2006

www.vansaircraft.com/public/vans-hc.htm

Breakfast KP Duty

Saturday, September 2nd, 2006

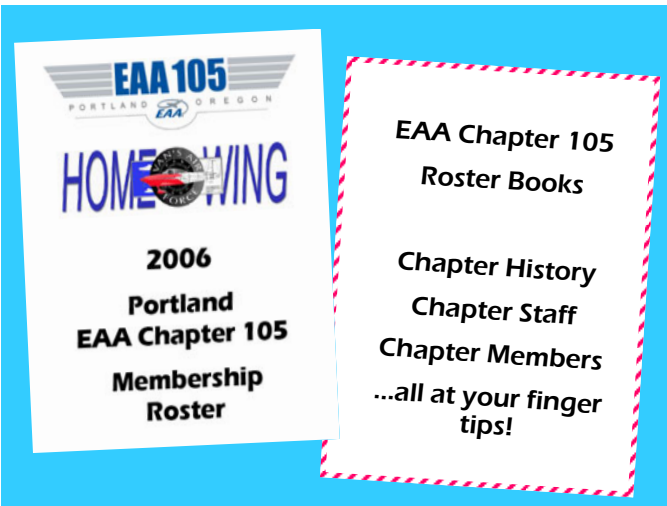
7:00 AM	9:00 AM
John Warren	Matt Benson
Joe Blank	William Drake
Tricia Blank	Carl Dugger
Chuck Curtiss	Robert Frisbee
Mel Carstetter	Denny Fuhrman
Greg English	Roy Glass
Joe Faber	Keith Gover
Warren Fraim	Paul Grimstad

Saturday, October 7th, 2006

7:00 AM	9:00 AM
Gary Daubert	Alan Cossitt
Bill Fulgham	Philip Groelz
James Furlong	Dick Guarnero
Geff Goetz	Raymond Hass
Ron Graff	Greg Halverson
Gary Graham	Pat Hammell
Jim Greenough	Dan Harris
Randy Griffin	Tom Hart

Note to Volunteers who cannot serve: Please arrange replacements for yourselves, or contact Len Kauffman. lakauf@comcast.net or 503-885-1920

EAA Chapter 105
5th Annual Poker Run
Saturday, Sept 9
9:00 AM to 3:00 PM
See the Flyer — Pg 10



EAA Chapter 105
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Chapter History
Chapter Staff
Chapter Members
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BRINGING HOME THE HARDWARE



Our chapter members fared well at the fly-ins this year. From left to right, Steve Mahoney earned the Champion Classic award at Arlington for his BD-4, flying since 1985. Will Mensink captured the Arlington Workmanship award for Custom-Built Kits for his RV-8 and then scooped up a Bronze Lindy—Kit Built Champion at OSH. Dann Parks scored Arlington's Champion Custom Built—Kits award.

Each of their planes show outstanding work, and they're justifiably proud of their creations.

Meeting Coordinator:

Randall Henderson

503-297-5045
randall@edt.com



Program: Ray Fogg's RV-8A

Location: 10020 NW Gordon Rd.
North Plains, OR

(NW taxiway, Sunset Airpark)

Date: 6:30 PM, Sept 14th, 2006

Phone: 503-647-7426

The September meeting will be at Ray Fogg's house on Sunset Airstrip. Ray is building an RV-8A (slo-build), and hopes to have the panel ready to light up by the time of the meeting. Ray's house is on the west taxiway at Sunset Airstrip, always a nice place for a September meeting -- we can go out and pretend it's a Van's Homecoming, pre-Aurora.

Driving

From all points east: Take Highway 26 west to the Glencoe Road/North Plains exit. Turn left at the top of the ramp (stoplight), and go over the overpass. Just across the overpass on the right is Beach Road; turn there and take it all the way west to the end where it Ts onto Gordon Road; turn right (north) on Gordon road, Ray's house is the 6th house down on your right.

From Hillsboro, take Glencoe road north, just before the ARCO station turn left on Beach road, follow the rest of the directions above.

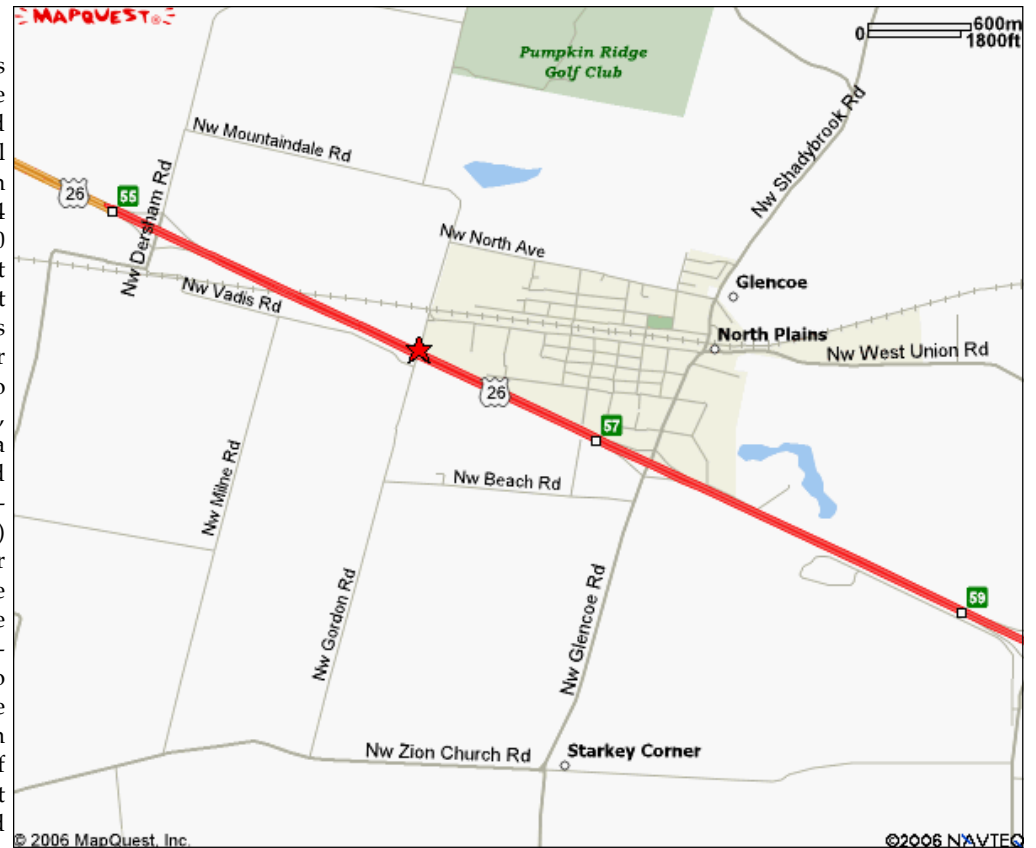
Park in the driveway, on the side of the road, or across the road by the oak trees. **Use caution — people drive fast on Gordon road.**

Flying

Sunset airstrip is northwest of the Hillsboro airport and is on the sectional chart (PVT). The main runway is 6 and 24 which is 3000 X 100 foot grass. Note that the airstrip is just inside the HIO class D airspace and under the ILS approach to HIO. Consequently, pattern altitude is a low (500 feet) and everyone should contact HIO tower (119.3) as you transition their airspace. Check the windsock and note that the traffic patterns are set up to avoid flying over the big town of North Plains (just north of Highway 26, that means right hand pattern when landing on RWY 6 and left hand when landing RWY 24). The east end of the runway has some tall trees and Van's old prototype shop at the end so use caution when landing to the west. The west end has no obstructions, but there's a road just past the end so watch for cars and don't get too low on short final. After landing, taxi down to the west end, turn right on the north/south taxiway. Ray's is the 5th house on the left.

Plane Pool!

Members who plan to fly to the meeting are encouraged to take this opportunity to share any empty seats with still-building types. A good way to offer or ask for a seat is to use the oregon-rvlist email list.



Future meetings:

**October – Randy Lervold RV-3 / Paint Clinic
Vancouver (tentative)**

November – TBD

December – Christmas Party @ the Hickman's

About the meetings...

Meetings are (usually) the second Thursday of the month, starting at 7:00 PM, unless otherwise noted, and are typically at the site of someone's experimental aircraft project or hangar.

A Chapter Hangar Grand Opening and First Look at the Restored Bogardus Little Gee Bee



Meetings at airparks allow members to fly in to the meeting. Joe Blank got the prime parking spot this time. Rion grills up the evening's eats while Roy Thoma observes.



The centerpiece of the evening's program was the Bogardus Little Gee Bee. Dick retold the story of George Bogardus and his efforts to persuade the CAA that home-built planes could be safely flown.



President Randy got the meeting rolling with the usual club business then framed the evening program.

Randy brought the chapter meeting to order shortly after 7:00 PM on August 10th. The meeting was held at the new chapter hangar on Twin Oaks Airpark.

A few guests were introduced, one with a Zodiac XL well along in its construction.

Ron Singh pointed out the new Young Eagle packets to be available in the chapter Library area of the hangar. The plan is to have envelopes ready to go with all the information a YE pilot needs — info on procedures, releases and the YE certificate.

Dick then took a few minutes to talk a little about George Bogardus' flights to Washington, DC, under a special arrangement with the CAA, since the plane could not otherwise be flown beyond the Oregon border. Built in 1939 as a redesign of a Les Long 'Longster', George made the coast-to-coast flight in three days in 1949, and

again in 1951.

Joe Brockway had become a close friend of George and at his passing secured the disassembled airplane components and George's other artifacts — a lifetime of collecting photographs, letters and documents. He has also been working on a set of drawings of the Little Gee Bee.

The plane last flew in 1951 and accumulated 500–700 hours in its 12 active years.



Joe Brockway was instrumental in preserving the Little Gee Bee components and George Bogardus' photographs and other artifacts. At the end of the evening, planes scattered back to their home bases trying to beat the sunset.



Fly-In and General Aviation Exposition

on the web at ...www.norwestflyfest.com

Vans Aircraft
Electronics Intl.
Hillsboro Aviation
Galvin Aviation
Cirrus Aircraft
Precise Flight
Artistic Aviation
Oregon Aero
Flightcraft
Lancair
Rosen
Garmin



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Sun. 9AM-4PM
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Special Fly-in Fuel prices at the new self serve fuel site

- New, Antique and Homebuilt aircraft will be on display
- Kids aviation activity center
- Young eagle flights will be offered
- Educational seminars covering the hottest areas of interest for GA pilots
- The latest in GA products will be on display and available
- Information booths for many GA organizations



EUGENE AIRPORT



2005 Aviation Nation

Jim Hoak

The 2005 Aviation Nation event was held November 12-13 at the Nellis Air Force Base in Las Vegas, the home of the Thunderbirds. The weather was a perfect blue 75 with light winds. Estimated attendance was between

125,000 and 140,000.

This event was a tribute to our military service men and women. The theme was "Operation Welcome Home" with guest speakers, fly-by's and aerobatic air shows, simulated Reno air races, static displays, souvenir booths, food & drink, etc.



There were hundreds of aircraft on display from a WWI biplane through WWII era fighters and bombers to our Air Force's current inventory of front-line fighters, bombers and transports, the F-117A Nighthawk, MQ-1 Predator, and America's 21st century fighter the F/A-22.

Aerobatic shows were given by some of the top civilian performers, such as Sean Tucker in the Oracle Challenger, Bill Reese in the Red Bull MiG, and David Martin in the Breitling CAP 232.

EAA chapter 1300 had a few pristine examples of their member's craftsmanship.

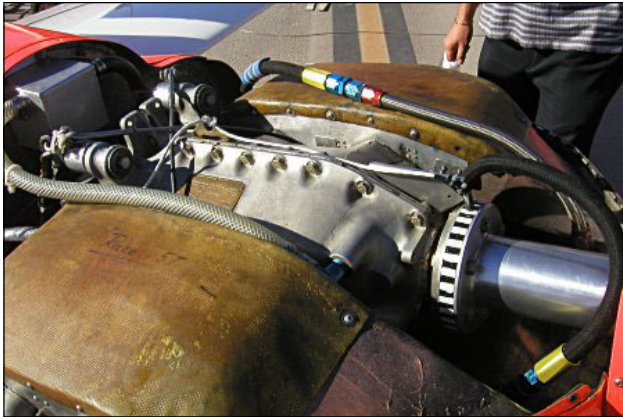
Groups of up to 16 RV's put on an impressive series of formation flying that resembled the talents of Vans Air Force. It was a fabulous event that should be repeated yearly.



There were several racers that were on display and performed demonstrations.

Steve Temple points out the cracked case that ended his performance early.

[The 2006 show takes place Nov 11-12 at Nellis AFB, Las Vegas, NV. See www.aviationnation.org —Ed.]





Tips 'n Techniques

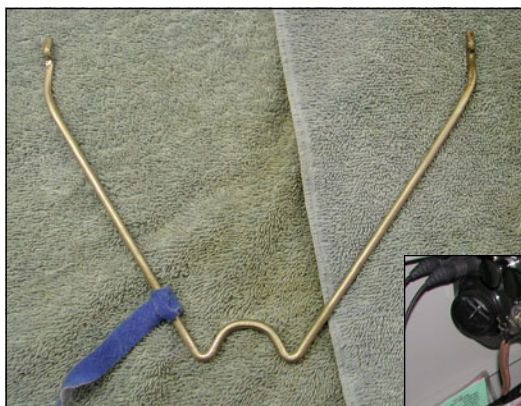
Got an idea, maybe even an idea *all the RV guys know*? Well we're not all RV guys, here! Seen a great reuse of a tool — or a misuse to avoid? Click a picture, write a few words, and send 'em in.

More Control Locks

Eric Newton, via the Bearhawk maillist

For another neat idea, here is what I did on my RV-6A. This is made from a simple coat hanger. Just drill a couple of holes in the bottom flange of your instrument panel and it fits like this.

This holds it rock solid and I kept it tucked away in the seat pocket when not in use. BTW - this was fellow RV builder Paul Golias' idea originally. Of course like all good ideas, I shamelessly copied it :>)



- .Saturday — Sept 9 from 9:00 AM to 3:00 PM**
- .\$20 for Chapter 105 Members; \$25 Non-Members**
- .Pilots and Passengers Can Play**
- .Start at Twin Oaks for your Official Shirt, Sign In and Instructions**
- .Cards at: McMinnville, Tillamook, Scappoose, Astoria and Twin Oaks**
- .Prizes & Ice Cream Social at the Finish!**

Chapter Calendar

Sep 2	Columbia Gorge Fly-In, The Dalles Municipal Airport (KDLS). 509-767-1134 www.flythegorge.com
Sep 2-3	Van's Homecoming, Aurora Airport www.vansaircraft.com/public/vans-hc.htm
Sep 2-4	Bremerton Blackberry Festival and Fly-in, Bremerton National Airport (PWT), Pancake breakfast at 9:00 am and blackberry pie all day www.blackberryfestival.org
Sep 5	<i>Jimmy Dolittle becomes the first person to cross the US in under 24 hours (1922)</i>
Sep 9	Chap 105's 5 th Annual Poker Run (info pg 10)
Sep 13-17	Championship Air Races, Reno Stead Airport (4SD), Reno, NV www.airrace.org
Sep 16	Tillamook Air Museum Planes, Trains and Automobiles Fly-in. Pancake breakfast 7-11, BBQ lunch 11-4 www.tillamookair.com/html/fly-in_cruise-in_walk-in.html
Sep 23-24	OPA Pancake Breakfast, Independence, OR, (7S5), Polk County OPA is having it's annual pancake breakfast from 8 to noon, at the airport http://www.eaa292.org/OPA2006.pdf
Oct 8-9	Pangborn 4th Wings and Wheels Festival, Wenatchee, WA. (EAT), Pancake breakfast, motorcycle parade and rally. Ferr shuttle bus. Info: Arnie 509-884-2494

2004-05 Feature Article Index

This section chronicles our contributors for the previous 12 months (thank you authors and photographers!) and in the January issue provides a complete index to the previous year's articles. —Ed.

September '05

- Benton Holzwarth / Chapter 105's 4th Annual Poker Run
- Joe Blank / TnT: Maintaining Your Oil Temperature
- Benton Holzwarth & Jim Hoak / Open House at Lenhardt Airpark

October '05

- Randall Henderson / TnT: Breathing Oxygen Mount
- Gary Dunfee / TnT: Comm Antenna Reception
- Benton Holzwarth / Precision Airmotive w/ Alan

Jesmer

November '05

- Pete Forsyth / TnT: MIL-G-81322 Grease
- Benton Holzwarth, Len Kauffman / TnT: Safeying Your SCAT Tubing
- Randy Lervold / Chapter 105: version 2006
- Dean Sigler / Little Gee Bee Photos
- Randy Lervold / Prop Balancer Program Update
- Benton Holzwarth / Len Kauffman's RV-8 Project & Panel Electrical Tutorial
- Don Hammer / Three Summer Fly-out Destinations

December '05

- Benton Holzwarth / TnT: Oil Leak Tell-tales
- Benton Holzwarth / TnT: Welding Hazard (TCE becomes Phosgene)
- Joe Blank / Avoiding Bird Strikes
- AvemcoInsCo / Bird Strikes: More Than See & Avoid
- Tom Fey / One Second in the Life of a Racer
- Benton H / Luran Paine & Annual Pie Auction
- Don Hammer / Destinations: Columbia California

January '06

- Brent Anderson / Hats Off To Rion
- Benton Holzwarth / TnT: C-Frame Yoke Shaft Holder
- Bill Costello / Flying Theme Movies
- Benton Holzwarth / Holiday Party at the Hickman's

February '06

- Randy Lervold / Chapter Currents—Feb '06
- Benton Holzwarth / Ed Hayden's RV-10 Project at Hillsboro Airport (HIIO)
- Rion Bourgeois / Trivia—Tom Poberezny movie
- Randall Henderson / TnT: Brake Line Fittings
- Ron Singh / Raffle Results
- Len Kauffman / Safety Thoughts
- Steve Mahoney / Destinations: San Juan Islands
- Sandy Wilson / New Year's Eve 2005 at the Spruce Goose

March '06

- Benton Holzwarth / Building on a Budget: Greg Halverson's RV-6 Project
- Rion Bourgeois / Trivia — Tom Poberezny Movie
- Randall Henderson / Mandatory SB—AIEEEE!
- Benton Holzwarth / TnT: Heated Shop Floor
- Len Kauffman / Safety Thoughts
- Don Hammer / Destinations: Coeur d'Alene (COE):

There is More to ID than Flying the Back Country

April '06

- Randy Lervold / Planning for Panel Upgrades
- Randall Henderson / Invoice no. 00004853
- Benton Holzwarth / Panel Clinic
- Rion Bourgeois / Trivia — Four chapter Prez's currently involved in RV aircraft parts.
- Len Kauffman / Safety Thoughts: Control Locks
- Benton Holzwarth / TnT: Riveting Nutplates
- Mike McGee / Tool Crib Report from the Tool Meister
- Monte Rhoads / "Okie" J-5 Cub Turns "Oregonian" After a Local Restoration

May '06

- Rion Bourgeois / B-17 "Aluminum Overcast" Tour Stop
- Dann Parks / First Flight—N786DB
- Benton Holzwarth / A Look at the Lowry Lancair Legacy
- Randall Henderson / What Would I Do Different?
- Len Kauffman / Safety Thoughts: Wash DC ADIZ Bust

June '06

- Rion Bourgeois / B-17 Report
- Young Eagles Success
- Young Eagles — Sharing the Joy
- Benton Holzwarth & Ken Howe / An Evening at Van's Aircraft
- Peter van Schoonhoven / Parkside Planes
- Len Kauffman / Safety Thoughts: Lessons

July '06

- Randall Henderson / TnT: Cabin Heat in the Panel
- Brian Moentenich / A Comparison of the Safety of GA, Experimental and RV Aircraft
- Benton Holzwarth / Parkside Paradise
- Joe Blank / 15th Annual NW RV Fly-In
- Len Kauffman / Safety Thoughts — July 2006

August '06

- Benton Holzwarth / The RV-1
- Randall Henderson / Builder Motivation
- Mike McGee / Luau at the 2006 Arlington Flyin
- Randall Henderson / Flight of Discovery comes to Seaside

Buy/Sell/Trade

Ads are free but are subject to editing. Aviation related ads are given priority. We reserve the right to refuse any ad. Submit to the Editor, Benton Holzwarth (Benton @siletzbay.com) or call 503-684-2008. Please let us know when your item sells. Ads will run for four issues, and may be renewed or adjusted by contacting the editor. Last issue indicated by [mm/yy].

Classifieds

Kitfox IV — 100 hp Rotax 912S engine, Warp Drive 3 bladed prop, wing tanks, wheel pants. Flown once. Estate Sale - \$30K. Also custom built enclosed trailer to haul it - \$8000. Call Myrtle Dawson 360-687-0319 or Al Strickfaden 360-687-3119 [12/06]

Open for Business

Top Flight Interiors — Fine Aircraft upholstery, impeccable quality, custom interiors, leather specialist, imported textiles. Jesse Cary at Twin Oaks or 503-475-1036.

Web Sites, Applications & Desktop Publishing — Oregon Media, Phil Spingola phillip@OregonMedia.com or 503-201-4896

Duckworks Landing Lights — Standard kits start at \$75. Round Halogen and Xenon HID lights are available for new installations and upgrades of our kits and others. For details/pricing see www.duckworksaviation.com or call 503-543-3653

Bill Esther Engraving — Contact Bill for help with your custom engraving project. See sample work at http://www.rvproject.com/esther_engraving.html ecaps.1@juno.com or 503-851-6375

Long-life Brake Pads — For Experimental Aircraft only (Not FAA/PMA/TSO or STC'd at this time.) Made from Organic Mat'l, in use 4 years on multiple acft -- last ~ 5X standard linings, w/o wearing disks. Available in Cleveland -105 (2 rivet) and -106 (3 rivet) types. \$60 plus shipping / set of 4 pads + rivets. If not completely satisfied in the first 100 hours return for a refund. Contact Greg Miller at 503-257-2573 or mauleguy@aol.com. Mail payment and shipping information to: GSM Machine & Tool Inc; 8750 N.E. Alberta St.; Portland, Or. 97220

AEROFRAME Gallery — Aviation Merchandise and Custom Picture Framing — Located at the intersection of I-205 and 99E (McLoughlin Blvd.) in the Oregon City Shopping Center, AEROFRAME Gallery offers a huge selection of collectible airplane models, aviation art, and aviation related items for all ages. Non aviation art is also available. Visit the gallery and/or the website to view the gallery, its items, and the custom frame selections. 503-557-1333 www.aeroframegallery.com



Brentz Enterprises — Tail Lynx — Tail steering springs made from aircraft-grade materials. Small, strong, streamlined and all Stainless steel. Now available through Van's Aircraft — www.vansaircraft.com or 503-678-6545



Board Meeting Highlights

Your Chapter 105 Board

With no pressing business, the board agreed to skip the August meeting. Watch this space for September's highlights.



Editor's Notes

Benton Holzwarth

The summer flying weather is slipping by all too quickly. I've been out for a few short flights but not much of consequence. On the other hand, I've enjoyed every minute in the air, and that can't be all bad.



Hillsboro Airshow: The 105 formation crew taxis in following several fly-by passes. Ron Singh demonstrates another side of homebuilt aircraft with his RANS. The pilots gather for a debrief following the day's flying.
Photos: Ken Howe

"Contact!" Chapter Officers and Staff

President, Web Master & DB Admin	Randy Lervold randy @romeolima.com	360-882-8728 h
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Director & Youth Activities Coord	Ron Singh rsingh75@comcast.net	503-646-2144
Director & Bogardus Trust Liaison	Dick VanGrunsvan engineering2 @vansaircraft.com	503-678-6545 x327
Director & Ad Hoc Projects	Tom Louris MajorTom@quixnet.net	503-598-4676 h

EAA Flight Advisors

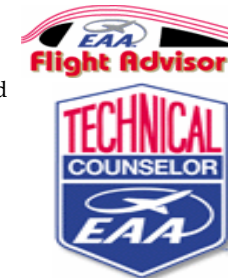
Dave Lewis, Sr. 503-690-8237 EAA Ch. 105, multiple RV builder, HIO-Ptld
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Don Wentz 503-543-3653, janetwentz@centurytel.net, Ch. 105, RV-6 bldr, Scappoose-Ptld

Flight Instructors

James Jula 503-757-8872, jmjula@yahoo.com, HIO+SPB,7S3 – CFI, CFII, MEI—Single-Engine Land/Sea, Multi-Engine Land, High Performance, Complex, Tailwheel



Membership Registration / Renewal Form EAA Chapter 105 — www.eaa105.org

Send to: Jennifer Hickman
 24172 S. Skylane Dr.
 Canby, OR 97013

Dues: \$20/yr e-delivery of newsletter
 \$25/yr for mailed paper newsletter
 Make checks to "EAA Chapter 105"

For renewals, indicate **changed** information only

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 E-delivery (\$20) Paper delivery (\$25)

Name: _____
 Address: _____

Renewing multiple years:
 _____ yrs, _____ \$total

City/St/Zip: _____

Nat'l EAA #: _____

Home Ph: _____

Own / Fly: _____

Work Ph: _____

Current Project: _____

Cell Ph: _____

Completed Projects: _____

E-Mail: _____

Comments: _____

Spouse's Name: _____



Jack Lenhardt makes the first take-off in his latest ship, a Bleriot replica, 16 Aug 2006.
"At this time [Aug 23], I have six flights in the Bleriot XI with the last one yesterday lasting for a full 30 minutes. It is the most unusual and challenging airplane I have ever flown..." —Jack Lenhardt

Next General Meeting VAF-Home Wing / Chapter 105

- Ray Fogg's RV-8A
- Sunset Airpark, North Plains, OR
- Thursday, Sept 14th @ 6:30 PM
- Map: Pg 4

Next Board of Directors Meeting

- Thursday, Sept 21st @ 7:00 PM
- Twin Oaks Chapter Project Hangar (G-1)
- 7:00 PM

EAA Chapter 105 / Volume 46 Number 9 / September 2006

Editor:
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First Class Mail

To:

