

# EAA 105

PORTLAND OREGON



October 2010





Chapter 105's Traditional  
Holiday Party will be at  
**Bob and Mary Duncan's home** starting at 5:00 PM  
on Dec 18<sup>th</sup> — Mark your calendars. The address is:  
3340 NE 14<sup>th</sup> Ave, Hillsboro. See you there!

## Prop Wash

Donations needed for chapter hangar — Contact Neil Arney if you can help. 503-639-1263

- Industrial shelving

**Team RV-12**, the chapter build-project going together in our Twin Oaks hanger G-3, would like to add another partner to make a 5-way split in the ownership of their RV-12 project. Check the latest progress and contact them on their chapter forum area — [www.eaa105.org/Forums](http://www.eaa105.org/Forums)

A link to a very well done video of the **2010 NWAAC fly-in** by Ken Corliss —  
[http://www.youtube.com/watch?v=\\_H173aLxR0U](http://www.youtube.com/watch?v=_H173aLxR0U)  
aka <http://tinyurl.com/2ca3697>

## In This Issue

Next Meet: Fabric Covering at the Chapter Hangar..	4
2010 Oregon Int'l Airshow EAA-105 Booth—Big Success Again! .....	4
Prev Meet: Breckenridge Christavia Show 'n Tell.....	6
9 <sup>th</sup> Annual Chapter 105 Poker Run — in Photos .....	7
Michael Combs Exemplifies Human Spirit in Nationwide LSA Flight .....	9
Board Meeting Highlights.....	9
Buy / Sell / Trade .....	10
2009-10 Feature Article Index .....	12
Contact! / TCs+FAs+FIIs / Renewal Form.....	13

## Breakfast KP Duty

### Saturday, October 2<sup>nd</sup> , 2010

7:00 AM — 9:00 AM	9:00 AM — Cleanup
James Hand	Pat Hammell
Lisa Hand	Ted Johns
Rob Hickman	Dave Laakso
Jenny Hickman	Scott Lane
Dave James	Ken Lee
Peter Lang	Steve Mahoney
Harmonn Lange	John Mates
Tom Louris	Bob Patterson
Gordon Martin	Steve Payne
Shannon Miller	Kitty Schainman
Richard Suffoletto — Cashier	Bert Pelca

### Saturday, November 6<sup>th</sup> , 2010

7:00 AM — 9:00 AM	9:00 AM — Cleanup
Ed Hayden	Allen Jobe
Jon Hopple	Joe Marin
Bill Inman	Dave Mercer
Greg Long	Mark McRiley
Dave Lowry	Ted Millar
John Jessen	Dan Miller
Rick Mandrell	Vince Nartker
Ed Mason	Robert Norton
Marsha Mason	John Pallister
Jim Mitchell	Dave Paradis
Ron Poe	Dan Parks

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

## Next Meetings

- **Oct 14<sup>th</sup>** Thursday —
- **Oct 21<sup>st</sup>** Thursday—Board

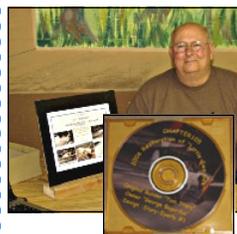
Meeting at Twin Oaks, Hangar G-1

- **Oct 22<sup>nd</sup>** Newsletter Deadline—NL article contributions and ads are welcome at anytime, but may be held up if received after the deadline.



## On the Cover

Mike Rhodes' RV-9A N539RV, registered in February of this year. It mounts an IO-320 engine. The exterior features some outstanding airbrush work.



## Bogardus Little Gee Bee Restoration Project

Norm Durrell has produced a DVD history of the Chapter's restoration of the Bogardus Little Gee Bee, now on display at the NASM Udvar-Hazy Center at Dulles Int'l Airport. If you'd like a copy for your library, contact Norm: [durrelln@verizon.net](mailto:durrelln@verizon.net) \$10-

A nice report of a **Young Eagle rally** in Cresswell —

[www.thecreswellchronicle.com/news/story.cfm?story\\_no=8420](http://www.thecreswellchronicle.com/news/story.cfm?story_no=8420)  
aka <http://tinyurl.com/2dhbnd2>

## Meeting Coordinator:

**Dunstan Fandel**

[dunstan.fandel@sun.com](mailto:dunstan.fandel@sun.com)

503-614-9737 (H)



**Program:** Fabric Covering Presentation

**James Bagley & Trevor Lacy**

**Location:** Chapter Hangar at Twin Oaks,  
12405 SW River Rd, Hillsboro

**Date:** Oct 14<sup>th</sup>, 2010

**Time:** 6:30 social — 7:00 presentation

Covering an aircraft with fabric is a daunting prospect. After spending months crafting all the mechanical components of an airframe, you are now going to cover it all up with a thin layer of cloth, knowing that your work will be judged by that outside finish.

Now is your opportunity to see how simple this process can actually be. Join us at the Chapter hangar, October 14th, for a presentation on Aircraft Fabric covering.

Our hosts James Bagley and Trevor Lacy will discuss the various fabrics, the covering techniques used with Stits Poly-Fiber, and will be demonstrating those techniques on an aircraft part.

In addition, Trevor will have several components on



### Meeting Planning

Dunstan Fandel handles the meeting/project scheduling. If you have a project you'd like to share with the chapter, he'd would appreciate hearing from you. [dunstan.fandel@oracle.com](mailto:dunstan.fandel@oracle.com) or 503-614-9737 (h).

hand to demonstrate various stages of the process.

The presentation begins at 7:00 pm, Thursday October 14th at the Chapter hangar, Twin Oaks Airport.

### Driving Directions

The October program will be a fly-in/drive-in presentation on Fabric Covering, held at our chapter hangar at Twin Oaks.

From Washington Square, go west on Scholls Ferry Rd. When Scholls turns south, continue west on River Rd. Twin Oaks is on the left, after about another mile. If you see the alpaca ranch, you've gone too far. From Hillsboro, go south on River Rd. About a mile after crossing Farmington at the four-way stop, Twin Oaks will be on your right, just after the alpaca ranch.

### Future Meetings

Nov — Pie Auction @ 753

Dec — Holiday Party;  
Bob and Mary Duncan  
hosting

### 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.

### About the meetings...

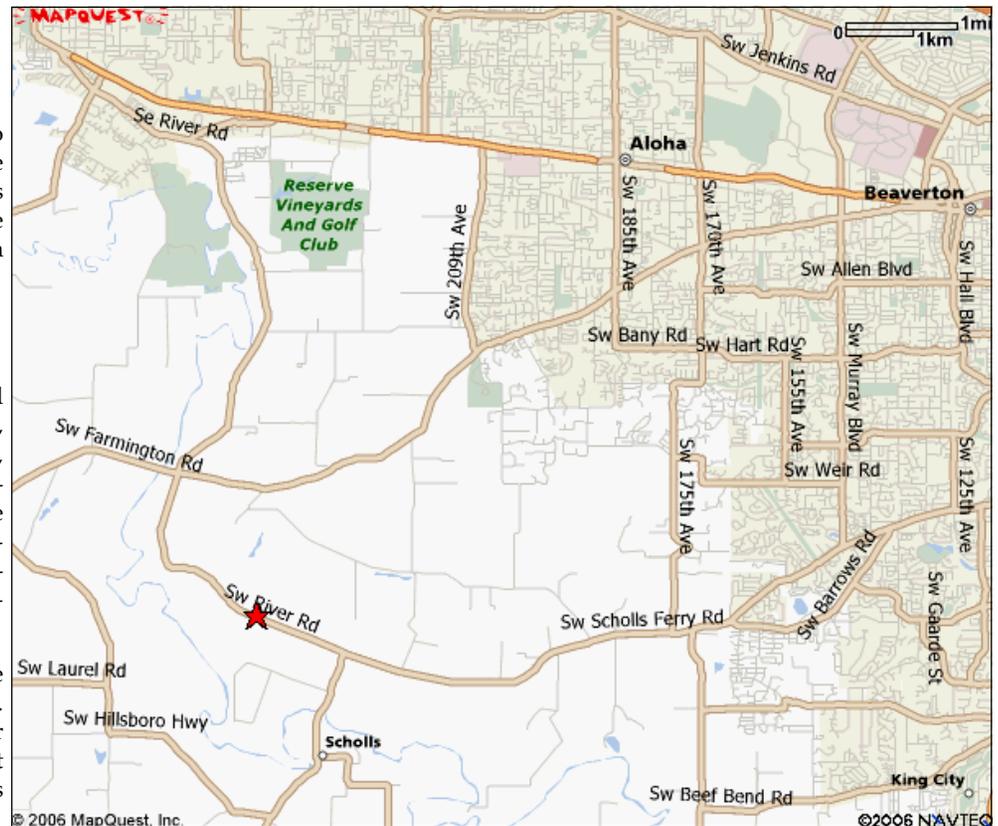
Meetings are the second Thursday of the month, starting at 7:00 PM, unless otherwise specified (here or on the website), and are typically at the site of someone's experimental aircraft project or hangar.

The structure of the meetings is pretty loose. The first 30 minutes or so is generally spent socializing, eating chips

and dip, and checking out the project. Then we get down to "business", with introductions of new members and guests, milestones, discussions of group issues, open items, and the host project. After that, it's back to BSing late into the evening.

Be sure to bring any tools, parts, etc. that you wish to sell, loan, give away, etc. And while you're there, throw a buck or two into the kitty, to help out the host for costs of purchasing the refreshments.

All are welcome, building or not, group member or not. Spouses too!



## 2010 Oregon International Airshow EAA 105 Booth Big Success Again



Greg Long

The 2010 Oregon International Airshow at Portland-Hillsboro International Airport (KHIO) took place Friday, Saturday and Sunday, August 20-22, 2010. The event was again a huge success for Experimental Aircraft Association (EAA) chapters 105 and 782.



Experimental Aircraft Association member John Polos (right) coordinated the chapter's participation in the 2010 Oregon International Airshow

Participating EAA members who volunteered their time included John Hyde, Ron Poe, Bob Duncan, Don Meyer, Laura Meyer, John Polos, Ev Turner, Jack Lettieri, Joe Laws, Darrel Vancouvering, Mischelle Girts, Bruce Van Hine, Kim Vermilya, Bob Martillam, Darrell Gerrard, Brian Torres, Jim Thames, Ken Merrill, Greg Long, and Warren Fraim.

EAA member John Polos coordinated the event again this year and provided the "Aircraft-Carrier Landing Toy" which once again proved a popular attraction for kids and parents alike. John first became involved with the chapter's participation in the airshow two years ago.

The object of the toy was to control an approach of a

model airplane suspended by pulleys from a cable similar to a cable-car or tram, and catching its tailhook on an "arresting cable" - which was a heavy-duty rubber band at the landing zone.



Taylor, of the adjacent CureJM Foundation booth, was a helpful impromptu EAA volunteer and also an "ace" pilot with 13 successful landings in a row.

One of the kids from the adjacent booth to EAA105's, Taylor, of the Cure Juvenile Myositis Foundation non-profit group (<http://www.curejm.com>) was a helpful impromptu volunteer to the EAA as well, and as it turned out an extremely proficient carrier "pilot", catching the arresting "cable" 13 times in a row.



The 23rd Oregon International Airshow (<http://oregonairshow.com>) once again drew large crowds and involved heavy participation from many community donors and volunteers. Over \$1.1M has been donated to the community per the website.

As he had done previously, John contacted the EAA International Headquarters in Oshkosh, Wisconsin (<http://eaa.org>) which sent boxes of literature for our local EAA volunteers to pass out to the crowds. Because of the large number of kids that the Aircraft Carrier Landing Toy attracted, volunteers focused on the Young Eagles program, explaining it as essentially a group of local, licensed volunteer pilots who offer free introductory rides to 8-17 year-olds in approved, insured aircraft as an introduction to aviation/aerospace, which inherently involves math and science.

More information on the Young Eagles program can be found at <http://youngeagles.org>, or by contacting EAA105 Young Eagles coordinator Michelle Smith at [michelle.smith@eaa105.org](mailto:michelle.smith@eaa105.org)

The airshow itself was a huge draw. Per the website at <http://oregonairshow.com> this was the 23rd event with cumulative donations to the local community from proceeds exceeding \$1.1 Million.

The headlining act this year was the U.S. Patriots Civilian Jet Demonstration team in their straight-wing L-39's (<http://www.patriotsjetteam.com/>) the U.S. Patriots is made up largely of experienced military pilots.

Other acts included the US Marine Corp AV-8B Harrier Demonstration Team, the Oregon Air National Guard F-15 Demonstration Team, F/A-18 West Coast Hornet Demo Team, the US Air Force ACC A-10 West Demo



U.S. Patriots Civillian Jet Demonstration team in their straight-wing L-39's (<http://www.patriotsjetteam.com/>)

Team, Sons of Legends, Matt Younkin, Franklin's Flying Circus, Julie Clark, Bill Leff, Will Allen, USO Smoke-n-Thunder Jet Car, Classic Aircraft Aviation Museum, Team Lucas Oil, Renny Price, Oregon Model Aerobatic Team, and Jim Vanek's Sport Copter and last but not least, Team Magnito Flight!

Static displays (aircraft on the ground) included a USAF F-15 Eagle, a USMC AV-8B Harrier, a USAF T-1A Jayhawk, a USAF T-6Texan II, a USAF A-10 Thunderbolt II, a NAVY E-2C Hawkeye, a USMC CH-53E Super Stallion, a ARMY UH-60L Blackhawk, a ARMY S-70 Firehawk, a



1968 Camaro prize for the Veterans Fund of Washington County

Douglas C-47/DC-3, a MiG-21UM, a MiG-17F, a Lockheed TF-104 a Starfighter, Douglas A-26 Invader, a Canadair North American F-86 mk.6 Sabre, a MiG-21F-13 Fishbed, a BAC Jet Provost mk.3, a Fouga CM-170 Magister, a PZL M-26 Air Wolf, and a Ryan Navion A.

The full list of these acts and displays, along with links to many can be found at <http://oregonairshow.com/performers.html>

There also was extensive participation from community non-profit groups. These included the CureJM foundation mentioned above (<http://www.curejm.com>) and the Veterans Fund of Washington County which raffled off an impressively restored 1968 Camaro.

Friday evening (August 20, 2010) proved to be much busier than expected. Radio Disney ran a "Community Kids Night" promotion where each family that bought a school supply, 2 kids were admitted free for every paying adult, with additional kids just \$5/ea. This kept EAA volunteers busy with the Aircraft toy, passing out EAA literature and explaining the EAA and Young Eagles program.

The "Magneto Flight Team" performed in the airshow demonstrating what is possible for average people to build and fly with hard work and dedication. Rion provided the following description:

Magneto Flight flew at the Oregon International Airshow again this year on Saturday and Sunday doing their usual parade of flight. Magnito Flight is an official airshow 'act' and as such began their days with the mandatory airshow Flight Briefing. Although this is not a chapter sponsored activity, most of the flight members are usually chapter members. This year, the flight included John Halle in a Lancair Legacy, Steve Payne in an RV-8, Len Kauffman in an RV-8, Tom Sampson in an RV-7, Rion Bourgeois in an RV-4, and Ron Singh in a Rans S-12 XL.

The airshow announcer described the experimental aircraft to the crowd as they flew by, along with some history of the Washington County and Oregon connection and contributions to the experimental aircraft movement, including those of George Bogardus and the

Beaverton Outlaws.

After their flight, they parked in the civilian hot pit next to the fence adjacent to the Red Gate on Cornell Road where the aircraft could be inspected by those attending the show as they entered and exited the Red Gate. The pilots were then carted off to the autograph booth and chalets to sign posters for the kids.

Planning is already on the agenda for next year's activities. The goal is to get more involvement and local fliers to hand out in addition to the national/international EAA literature. There are numerous possibilities which were briefly discussed at the September 2010 board meeting, including small static displays of partially completed kits or aircraft parts, perhaps discarded mistakes no longer deemed airworthy. Additional involvement from neighboring EAA chapters and their members, along with support from EAA headquarters in Oshkosh, Wisconsin are also possibilities.

Airshow organizers have a preview of a DVD which is available on their site. The specific link to the video is <http://oregonairshow.com/AirShow2010Promo.flv> or just find the link on the main site (<http://oregonairshow.com>)



Magneto Flight Team performed in the airshow. Rightmost aircraft are Ron Singh's RANS S-12 (black/yellow) and J. Rion Bourgeois's RV-4 (grey with yellow wings)



## Bruce and Becky Breckenridge's Christavia Project

John Jessen

Photos John Jessen and Bob Duncan

Bruce and Becky Breckenridge raised their hanger door at Lenhardt, and there, suspended from the rafters, was their yet to be finished Christavia, a tandem, tube and fabric plans-built tail dragger.

The chapter meeting was hosted by John Jessen at his hanger, located right next door to Bruce and Becky. Once the meeting was concluded, the Breckenridge's opened their hanger door and there hung their Christavia, seemingly ready to take light. Even though their EAA chapter is the 902, they were graciously willing to put their project on display for the 105 on very short notice.

B&B got the plans for the Christavia from Aircraft Spruce, and after much head scratching, discovered that not only is a plans-built plane much more difficult to assemble than one from a kit, it would help if the plans were accurate. This last issue slowed them down considerably at first, along with learning how to TIG weld and make wooden ribs, but with an understanding that the plans had to be carefully reviewed, and incorporating the helpful hints from others who had gone before, they were off to the races and haven't slowed down. They typically work from Friday night straight through Monday evening.

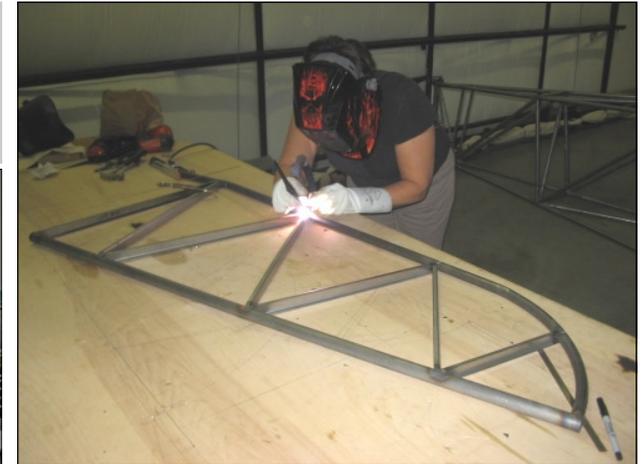
Thus far all the wooden ribs for the wings have been completed, and Becky has finished 90 percent of the TIG welding for the fuselage. Bruce cuts; Becky welds. Thinking ahead to the type of flying they'd like to do, Becky recently welded on mounting points to accommodate floats, and with that in mind they plan to equip the plane with an O-200.

Unless they are flying their club C-172, attending family get-togethers, or making a living, they are usually out at the hanger working to get one of their planes in the air. Yes, that's right. There's more than the Christavia being built in that hanger. The other plane parts hanging from the rafters belong to an RV-10. Bruce has the em-



pennage and wings finished, all of which are sidelined for now until the Christavia is flying. When asked when that will be, Becky just says to keep checking back to see how they're doing. Why two projects? Well, they'd rather fly something that they built and can work on themselves for starters. The RV-10 might have come together faster than the Christavia, but it would cost more to get into the air, and besides, Becky wanted her very own plane. So, does that make the RV-10 Bruce's? When pressed on that point, Becky just smiles.

If you were unable to attend last month's meeting, and if you're in the area or want someplace to fly, then stop by Hanger 52 at Lenhardt and say hello. These two love all aviation, especially anything experimental. Both are pilots and both love to fly, and both love to talk about flying and about building. Come visit. They are usually there, cutting, welding, sanding, gluing...flying.



*Bruce cuts the tubing, Becky welds it together.*

# The 9th Annual EAA Chapter 105 Poker Run — in Photos





*I don't know who finally wound up with what (sur)prizes, but Ron holding the Victoria's bag is a keeper!*

*Looks like everyone had a good time on a somewhat drizzly day. Wish I could have been there... —Ed.*

## Press release:

# It is Time to Get it Done, Save Money and Get Flying

There's a lot of ways to make restoring a fabric airplane take longer and cost more than it should. Now you can learn to avoid the pitfalls that await the uninitiated. Cub Doctor Clyde Smith has helped hundreds in the restoration process of fabric covered Pipers and now comes to the west coast to share the tips to success.

Clyde Smith specializes in assisting Piper owners in restoring and maintaining the vintage classic Pipers. The three day seminar features the history but more important the "how to" information needed to bring back one of the most iconic airplanes back to life. Clyde writes and speaks extensively on the topics and considered one of the leading experts in the field. His knowledge and history goes way back as both he and his father worked for Piper in Lock Haven. There will be hands-on learning from fabric covering techniques and metal rib restoration demonstration. The class is designed so that your individual questions can be answered. All phases of the construction process are covered in detail and you will go home with a notebook with all the drawings and notes that are included in the class. Years of experience and trick are shared that will help you finish your plane with confidence and save you time and money. If you are thinking about buying a project this class is a must.

The class is scheduled for November 5-7th and will be held at the Eugene Airport in Oregon, at the facility of Synergy Air. Cost of this class is \$375. A special limited time discount for purchases with Univair will be offered for those attending the class.

**For more information and to sign up for the class contact Clyde Smith at 570-748-7975 email [cubdr@comcast.net](mailto:cubdr@comcast.net) or call Wally Anderson of Synergy Air at 541-913-0610. Email is [contact@synergyair.com](mailto:contact@synergyair.com)**

## Michael Combs Exemplifies Human Spirit in Nationwide



### LSA Flight

Greg Long

Last Sunday, I caught up with Michael and Michelle Combs on their stop at Aurora Aviation. Combs is a pilot of a REMOS LSA making the rounds to all 50 states with his wife Michelle.

A few years ago when seriously ill, Combs realized he might never get to fly, something he'd always wanted to do. This led to him getting his Sport Pilot's license and planning an adventurous flight in a REMOS Light Sport Aircraft (LSA). It was a privilege to meet up with him this morning (Sep 12, 2010) at Aurora State, 48 states into his 50-state adventure and hear his story firsthand. EAA national/international has been following and reporting on his story.

Next month I'll report in more detail after the Hawaii visit takes place (the plane is to be shipped there - not flown over the long water leg). In the meantime, interested readers can visit his web <http://www.flighths.com> and find links there to follow the progress on Facebook and Twitter.



## Board Meeting Highlights

EAA Chapter 105

16 Sept 2010

Attending this evening: Ron Singh, Len Kauffman, Jenny Hickman, Bob Duncan, Dunstan Fandel, Bruce Rose, Roy Thoma, Rion Bourgeois, Michelle Smith with Tom Louris and Greg Long as guests.

The meeting was started at 7:01 by Ron Singh

Minutes from July were approved.

### Action Items:

- Strike the bank account topic from action items
- PC Upgrade working -- remove from action items
- **YE Poster** - Ron and Michelle will get to it at the end of the season
- **Picnic Tables:** Rion called Bob Stark during the meeting to get an update and left him a message and also asked him if we could have a spare table dropped back down at the hangar for the few upcoming YE events and Poker Run event.
- **Hillsboro Airshow Booth:** Greg Long talked about the lack of the YE presence but mentioned that there was literature that got passed out that hopefully did not just get thrown away. Did not know if the message got lost. Group discussed why we no longer have a static display of aircraft and what our real message is and what it should be. Rion felt that there were more volunteers than passes and that we should be providing more of a service to the air show for those passes. Greg, suggests that we get input of other chapters and also provide an empenage of an RV to display. Greg agreed to work out a mission with John and discuss some options and provide some promotional aspects. Black Shirts with White lettering saying 'Experimental', etc. The overall feel was that we really should determine what our message should be for future airshows before continuing our involvement.
- **Orofino:** Roy gave and update: Three planes ended

## Flying Events Calendar

### OCTOBER

- Oct 8-10 Chowder, Blues & Brews Festival-Wings & Wheels Fly-In, Florence, OR (6S2),
- Oct 21-23 EAA Copperstate Fly-in, Casa Grande, AZ [www.copperstate.org/csj/](http://www.copperstate.org/csj/)

up going -- Roy Thoma and Sandy, Dick and Diane Van-Grunsven, and Dan and Sun Benua. The hotel owner let them use their car for town transportation. Nice town, nice river, no float trip. Good place to plan something in the future again. Len asked if we are at risk by planning events at high risk areas. Rion mentioned that we obtain insurance for each of these events. Roy mentioned that they are all public airports. Rion said that it's important to publicize the area and how to get into it, etc. and to know your own limits, etc. Roy mentioned that we did not do a good job publicizing this event. We could do a better job promoting these events.

- **Poker Run:** Rain out plan is still good. Everything is good for dinner and gift exchange up at the breakfast hangar. The gift exchange will take place at 5pm so tables will need to be set up at 4pm. Directors to bring white elephant gifts.

- **Pie Auction:** It was decided to have the meeting and Pie Auction in the Breakfast Hangar rather than disrupt the renter at G-1 in November. Too much to move out at this stage in the completion process and the weather is too "iffy".

- **Christmas Party:** Bob and Mary Duncan have offered their home for the party. December 18th 5-10pm was the date selected. The cost for the expenditure for the food was approved "whatever is deemed reasonable." The amount of \$600-\$800 in food expenses in past dinners at the Hickmans was discussed. It was also discussed that the chapter cover the cleaning bill for the Duncan's carpets, etc. Len suggested that we put a jar down that covers cleaning and whatever doesn't cover the cleaning the chapter will cover the balance.

- **Flight Training Scholarship:** Ron gave a brief update of the student's progress and Jenny notified the Board that the Stark's have billed the Chapter for two of the

students that have completed their scholarships and Jenny has reimbursed the Stark's for their tuition.

- **Hangar Usage:** G-1 and G-3 are both full now. Roy asked what the availability of the hangar tools and equipment is now? Board asked James about his equipment being used and separated from the rest of the chapter supplies. Discussion took place about actual hangar events and chapter meetings and any conflicts. Could rent the Breakfast hangar for \$50/month if we run into too many conflicts of chapter events not being able to be held due to hangars being occupied by projects, etc. James said that he is also willing to move out for certain events as well. Plan to have October meeting at G-1 and James will move the plane out. We decided that we would like Rion to change the G-1 rental boilerplate to include moving their project out at least once a month. Tennant allows the chapter to use the space one night a month. The following resolution was adopted tonight: "That the chapter hangar usage policy and lease be amended to provide that any future tenant in hangar G1 would be obligated to move their aircraft or project out one night a month if requested by the chapter for a chapter hangar event."

- **Upcoming October Nominations:** Dunstan announced that he planned to step down as Meeting Coordinator/Director. Ron notified all board members that they should be thinking about next meeting's nominations and upcoming elections, etc.

- **Director Reports:**

- **Rion:** Vent Hoods, Floors, & Grills - \$320 to Floor and Grills now. Voted yes to do. Will do the hoods later.

- **Michelle:** Would like a YE Pilots Appreciation Breakfast October 2, Board voted yes.

- **Len:** Asked for crew chief for first and second shift. Char will do the first shift (Rion can help out) and then Roy and Rion will alternate the second shift. Laminated cards will need to be checked.

The meeting was adjourned at 9:20pm.

## 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 (last issue [mm/yy]) and may be renewed or adjusted by contacting the editor.

**FOR SALE — Van's engine instruments:** Oil pressure & transducer, Oil temperature & transducer, Fuel gauges x 2 (RV-9), Fuel pressure & transducer, CHT & sensor, EGT & sensor. **Flight instruments:** Electric turn coordinator, VSI 3-1/8" (Falcon), Direction gyro, Garmin 295 GPS. All in excellent order, recently removed from 2005 RV-9A during retrofit of Advanced 4500 EFIS. Kenneth Melvin, Olinger Airpark 503-693-3645 [12/10]

**FOR SALE: RV-6A**

Beautiful Day/Night VFR airplane. 415TTSN engine and airframe. Aero-Sport Power O-360-A2A 180HP, Sensenich FP Prop, electronic ignition, AOA Pro, KT76A, Garmin SL-40, Bendix-King Skyforce Color Moving Map GPS coupled to Naviad Autopilot, Rocky Mountain Instruments engine monitor and uEncoder. Professional paint. No Damage history. Hangared at Pearson Field (VUO). Asking \$68,500. Contact Dale Wotring: 360-694-3040 (wk) or [dwotring@comcast.net](mailto:dwotring@comcast.net) [12/10]



Breakfast on the first Saturday in Sept. Greg Long photo

**For Sale—GlastarTD** Lycoming 0320-150 Hartsel Prop Constant Speed 130 hours total time, 130 hours on engine SMOH, Garmin electronics, Aux tank Fuel Capacity 43 gal. usable, Digitrac wing leveler, OregonAero Leather Seats, Light weight starter and alternator—\$75,000 OBO.

**Also — New spinner for RV** constant speed prop Part # S 601-1. Bulkhead for spinner part no. S 603 \$59.00 FOB Idaho. dlwalker4@juno.com [11/10]

**FOR SALE: RV-4 1/2 share available**, lost medical!!



Here's a chance to get into a fast little 180 mph sports car with wings!! Built in 1990 and recently "restored", nice and clean bird. O-360 180hp with

Air Flow Performance fuel injection, with just 260 hrs/690 TT airframe. Advance Systems AOA, Apollo GX 55 GPS, Light Speed ignition, King KX 155 VOR Nav/Comm, Dynon D10A EFIS, Bendix/King Transponder, strobes and new tires. Hangared at Twin Oaks. \$25,000 and will finance: Bob Duncan 503-970-3092 [11/10]

**RV-10 Kit for Sale** - 1700 hrs const logged by Eustace Bowhay. Elevators, Fin/Rudder, Stabilizer complete. Wings, Ailerons, Flaps and Fuse ready for close-out. Lyc IO-540-N1A5, 0 hrs since OH by AeroSport. Asking Cdn-\$75,000. Call Ron Helgeson @ 250 517-9314 Salmon Arm BC or Richard Smith 250-832-8766 Salmon Arm BC [11/10]



**For Sale — David Clark H10-60C** passive headphone. Gel ear seals, exc cond, used sparingly. W/ cloth case. Asking \$150. **Heat muff** and a **Narco COM 810** radio — make offer.

Bob Duncan 503-970-3092. [10/10]

**Lot for Sale at 7S5**—Independence Airpark North Annex, Lot 9 on Skyraider Drive 15,959 sq ft. Ideal exposure for solar home design. Call Brent Anderson 503-646-6380 or email brentz.enterprises@comcast.net [09/10]

**1/2-share in RV-6A For Sale** — Nice Day/Night VFR plane w/ 220 hrs TTSN. Garmin 250XL, VM1000, XP-O360, mp3. Based at Chehalis (17S). \$35k. Contact Pat Hammell — 503-789-2581 or phammell@gmail.com [09/10]



## Open For Business



**Stumped on your paint job for your dream project?**

ARTISTIC AVIATION is unique aircraft graphic design and custom painting by John Stahr Eugene, OR. Creating dreams with builder's budgets on truly artistic aircraft. See some of your fellow aviators on our website [www.ArtisticAviation.com](http://www.ArtisticAviation.com)



**Hillsboro Flying Club** — located at HIO, 3 great planes, reasonable overnight minimums, airplane keys in your pocket! [www.hillsboroflying.org](http://www.hillsboroflying.org) 503-525-1199

**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](http://www.duckworksaviation.com) or call 503-543-3653

**Practical Flight Training** — Improve your pilot skills; enhance your situational awareness by getting your IFR rating!. Accelerated, comprehensive instrument training in the Portland, OR, area. Gain aeronautical experience in actual IFR conditions and mountainous terrain; learn how to identify and avoid icing conditions, winter-mountain survival awareness, density altitude performance concerns and squirrely winds. Competitive rates; we specialize in teaching you the nuts & bolts of practical, safe flying! [www.gorgewindsinc.com](http://www.gorgewindsinc.com); call Dr. Delcy

Palk, Chief Flight Inst. 503-329-7380 or 503-665-2823

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

**Flying Machine Restorations** — Besides painting, FMR, located at Pierce County Airport (Thun Field), offers complete structural repair including fabric recovering.



FMR has a separate soda-blasting booth available for removing paint and rust from engine and metal parts, vehicles, boats, and motorcycles. For more information, contact Gene Endsley at 206-300-1197 or [g.endsley@comcast.net](mailto:g.endsley@comcast.net)

**Kelley's Experimental Air, Inc**— Assist to Build Home-built Aircraft Center & General & LSA Maintenance Repair Facility,—Certified Rotax Service Center—Cottage Grove Airport 541-968-9328

Is your project finished yet? Do you want it finished but don't have the time? We specialize in quality Aircraft Building & Custom modifications & Builder Assist, no matter what stage of completion you are in. Aircraft & Instrument panel wiring. Insurance work/Insurance estimates. We build it to your specifications. Over 15 years of experience. Safe, Reliable and Honest work you can count on. We can help. Give us a call!

**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](http://www.vansaircraft.com) or 503-678-6545



## 2009-10 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.

### October '09

- Bob Duncan (Photos: Bob Duncan, Shannon Miller, & Susan & John Mates) / 2009 EAA Chapter 105 Poker Run
- Susan Mates / I Am One Lucky Lady!
- Bruce Rose / 2009 Northwest Art and Air Festival and OPA Annual Meeting
- Bob Duncan / Joe Marin and Tom Sampson's RV-7

### November '09

- Benton Holzwarth+Shannon Miller & Ken Howe / RV-12 in a Shoe Box
- Sandra Bes / The Village Cafe at Pacific City—Remembering Good Times and Good Friends

### December '09

- Board Notification / Chapter Election Results
- Joe Blank / Vans Airforce 37 Ship Formation at OSH
- Stu McCurdy / Leading the Effort (37 Ship at OSH)
- Benton Holzwarth / T 'n T: Flagging gNATs (Needs Attending To) items

### January '10

- Ron Singh / Greetings from President Ron
- Benton Holzwarth / 105's Holiday Party at Casa Hickman
- Dennis Kucera / Hank Bullock and His Auster AOP

### February '10

- Dick VanGrunsvan / Chapter 105 Hangar Dilemma / Challenge
- New Members—James Bagley, Jr., Jim Frisbie
- Dick VanGrunsvan / TeenFlight RV-12 Status — Help Needed
- Benton Holzwarth / Stephen Rosenstock's KR-2S Project
- Saturday Night at the Movies

### March '10

- Ken Howe / Hangar Event: Movies and Chili
- Roy Thoma + Leighton Mangels + Benton Holzwarth / Leighton Mangels on Fiberglass
- Sandy Bes / Living the Rock Star Life or The Beauty of Flight and Homemade Gravy in Puyallup

### April '10

- Michelle Smith / Hangar Event: The World of Sea-planing with Mike Kincaid
- Bob Duncan / Chapter Fly-Out: Grants Pass + Rogue River Jet Boat Ride
- Benton Holzwarth / An Evening Spent with Oregon Aero
- Michelle Smith / Young Eagles: Season Opener
- Dick VanGrunsvan / Chapter 105 Safety Briefing Program
- New Members: Dave Pardis & Richard Ebers
- Dick VanGrunsvan / RV-12 Group Building Project Update

### May '10

- Bob Duncan / Chapter Fly-Out: Grants Pass + Rogue River Jet Boat Ride
- Benton Holzwarth / Tom Gourley on Aircraft Wiring
- New Members: David Wallway, David Halmos and Bob Venturella

### June '10

- Ron Singh / Youth Flight Training Scholarships
- New Members: Ray Alexander
- Benton Holzwarth / An Evening at Van's Aircraft
- Chapter Fly-Out: Grants Pass / Rogue River
- Another Successful Visit for EAA's B-17 'Aluminum Overcast'

---

## “Position and Hold” to become “Line Up and Wait”

Bruce Rose

### Line Up and Wait Phraseology Change

Beginning September 30, 2010 the words “*Line Up and Wait*” will replace the words “*Position and Hold*” to instruct a pilot to enter the runway to await take-off clearance. Under the new “Line Up and Wait” phraseology, the controller will:

- State your call-sign
- State the departure runway
- State “*Line Up and Wait*”

Exercise Caution. Be aware the phrase “Traffic Holding

### July '10

- Ron Singh / George Bogardus Scholarship Awards
- Bob Duncan / Hehalem Bay State Park Fly-Out
- Bob Duncan / Grants Pass and Rogue River Fly-Out
- Benton Holzwarth / Parkside Paradise
- Benton Holzwarth / Nineteenth Annual Northwest RV Fly-In

### August '10

- Benton Holzwarth / Project 404 with Art Cornelius
- Randall Henderson / Summer Flying (Seaside)
- Bob Duncan / NW-EAA 'Arlington' Fly-In Recap
- Pete Kozachik / Pete Kozachik's Successful Corvair Engine Run
- Connell Hawkins / George Bogardus Scholarship Awards
- New Member: Kevin Swift
- SEA Class-B Redesign

### September '10

- Benton Holzwarth / Photos: Ted Millar's deHavilland DH-82A Tiger Moth
- Benton Holzwarth / Summertime at the Chapter Hangar
- Brent Anderson / Bogardus Trophy Winners
- Bruce Rose / Free EAA Local and National Trial Memberships

in Position” will continue to be used to advise other aircraft that traffic has been authorized to “Line Up and Wait” on an active runway.

**REMEMBER:** Never cross a hold line without explicit ATC instructions. You may not enter a runway unless you have been:

- Instructed to cross or taxi onto that specific runway
- Cleared to take off from that runway, or
- Instructed to “*Line Up and Wait*” on that specific runway

Please visit: [www.faa.gov/go/runwaysafety/](http://www.faa.gov/go/runwaysafety/) for more details on the change as well as to view an instructional animation explaining the new phraseology.

If in doubt ASK!

## "Contact!" Chapter Officers and Staff

Pres., Dir & Member Coord	Ron Singh ron.singh@eaa105.org	503-646-2144 h
Vice Pres. Dir. & Tool Meister + Prop Balancer	Bruce Rose bruce@falcondesign.com	503-848-2228 c
Dir, Facilities Mgr & Legal Counsel	J. Rion Bourgeois rion@att.net	503-646-8763 h
Sec., Dir & NL Editor	Benton Holzwarth benton@siletzbay.com	503-684-2008 h
Treas., Dir & Poker Run Coord	Jennifer Hickman jennhickman@aol.com	503-651-2230 h
Meet Coord, Dir & Ad Hoc Projects	Dunstan Fandel dunstan.fandel@oracle.com	503-614-9737 h
Librarian	Jim Mitchell jmichell1@msn.com	503-644-5258 h
Dir & Breakfast Crew Chief	Joe Miller jwmmcm@easystreet.com	503-475-7433 c
Dir & Breakfast Volunteer Coord	Len Kauffman lakauf@comcast.net	503-885-1920 h
Quartermaster	Mike McGee mmcgee@pma-engr.com	503-701-6315 c
Dir & Bogardus Trust Liaison	Dick VanGrunsven engineering2@vansaircraft.com	503-678-6545 x327
Ad Hoc Projects	Tom Louris tlouris@comcast.net	503-914-8009 c
Director	Jerry VanGrunsven jjvangrunsvenfly@wifi-nw.com	503-648-3464
Dir & Young Eagles Coord	Michelle Smith michelle.smith@eaa105.org	503-646-2144 h
Dir & Web Master	John Jessen n212pj@gmail.com	503-656-2255 h
Director	Roy Thoma roy@abornthoma.com	503-708-5794 c
Director Fly-out Coord.	Ron Poe ronald.poe@comcast.net	503-636-7242 h
Director Fly-out Coord.	Bob Duncan n6tu@comcast.net	503-970-3092 c

## EAA Flight Advisors

**Tom Sampson** 503-590-6575 (h) thomas.e.sampson@comcast.net, RV-7/9A bldr, Tigard/7S3  
**Mike Seager** 503-429-5103 (h) 503-429-1562 (hangar) rv6cfi@hotmail.com

## EAA Tech Counselors

**Dan Benua** 503-702-5387 danbenua@yahoo.com, RV-6A & RV-10 bldr, HIO-Ptld  
**Joe Blank** 503-784-9755 jblank6@gmail.com, RV-6 + Taylorcraft Bldr, Molalla-Ptld  
**John W Cox** 503-684-6001 johnwcox@pacificnw.com, RV-10 & Lancair, A&P-IA, Ptld  
**Tom Sampson** 503-590-6575 (h) thomas.e.sampson@comcast.net, RV-7/9A bldr, Tigard/7S3  
**Jake Thiessen** 503-606-0569 jaknjoan@minetfiber.com, multiple RV builder, Independence-Salem area  
**Don Wentz** 503-543-3653 dasduck@comcast.net, 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  
**Emily Stark** 503-502-2448 Emily@twinoaksairpark.com 7S3 — Primary and Tailwheel, High Perf and Complex endorsements



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

Send to: Benton Holzwarth  
9240 SW Millen Dr.  
Tigard, OR 97224

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

For renewals, indicate name & **changed** information only — member info will go into the chapter roster.

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

Name: \_\_\_\_\_

Renewing multiple years: \_\_\_\_yrs, \_\_\_\_ \$total

Address: \_\_\_\_\_

Nat'l EAA #: \_\_\_\_\_

City/St/Zip: \_\_\_\_\_

Own / Fly: \_\_\_\_\_

Home Ph: \_\_\_\_\_

Current Project: \_\_\_\_\_

Work Ph: \_\_\_\_\_

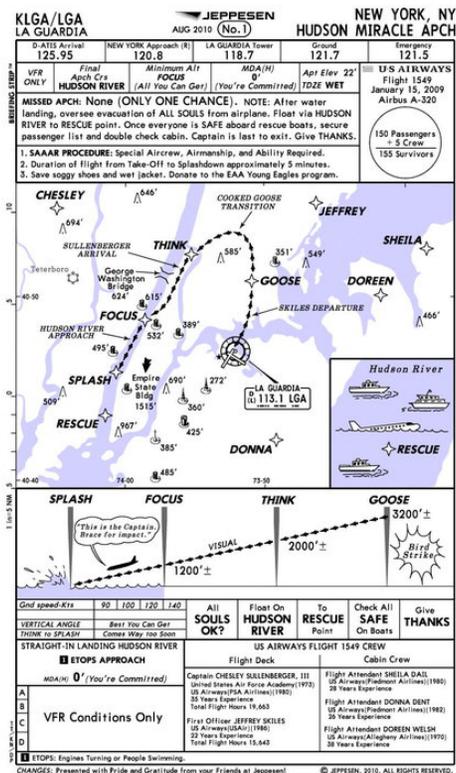
Completed Projects: \_\_\_\_\_

Cell Ph: \_\_\_\_\_

Comments: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Spouse's Name: \_\_\_\_\_



From JeppDirect's FaceBook page <http://tinyurl.com/25hdwv>  
 During the Young Eagles' dinner at EAA AirVenture, July 29, 2010, we presented Captain Sully Sullenberger and First Officer Jeffrey Skiles with this commemorative approach plate.

**Next General Meeting + VAF-Home Wing / Chapter 105**

- Thursday, October 14<sup>th</sup> @ Twin Oaks Chapter Hangar G-1
- 6:30 Socializing / 7:00 Program
- Fabric Covering Presentation — James Bagley & Trevor Lacy

**Next Hangar Event**

- On hiatus
- Contact Ron Singh with your Ideas and Suggestions

**Next Board of Directors Meeting**

- Thursday October 21<sup>st</sup> — 7:00 PM
- Twin Oaks hangar G-1
- Contact a Board Member if you have ideas you'd like considered or would like to attend or volunteer for an event!

**EAA Chapter 105**



**To:**

**First Class Mail**

Editor:  
 Benton Holzwarth  
 EAA Chapter 105  
 9240 SW Millen Dr.  
 Tigard, OR 97224-5570

**Volume 50/Number 10/October 2010**