The most important thing is to use quality materials

drill rod. What I wanted to accomplish was to have a bead sit about .045" proud midway along the roller. The bead was finally dressed to shape by filing in the lathe. The two OUTSIDE ROLLERS were also made from drill rod. I ground a tool bit to the desired shape of the groove and made my cuts. I tossed some grease on the moving parts, assembled the tool and made some beads. Everything worked great. The inside roller dictated that the smallest tubing I.D, that I could bead was 1/2". Experimentation told me that tubing much over 1 1/2" in diameter was beyond the tool's capability. I also found that the tubing had to be in its soft or annealed state before beading. Although the tool could make a bead that was .045" high, I found that a bead of .030" in height was more that enough. My best results were obtained by advancing the rollers slowly into the work. Aggressive forming tended to swage the tubing up in diameter. This was not a hard or time-consuming tool to make. The most important thing is to use quality materials - cold rolled steel for the frame, drill rod for the rollers, seamless tubing if possible for the handle and so on.

A Trike at the 2009 chapter Fly-in.

News and Stuff

No Minutes

Because we didn't have a normal meeting in September, but rather tha BBQ, there are no minutes for the September meeting.

Airspace

New airspaces came into affect for 29 July 2010 as well as a outline of current changes. New charts available 19 July. Watch the Turn and Bank for more.

Regional Director Needed

A new RAAC Regional Director for BC is needed. Any nominees should be forwarded to Marina at Head office.

Airplane Pictures

Lynn Walker is working on a wall of planes. If you want your picture on the wall or have founding members' planes pictures please contact her. 8 x 10, 5 x 7, 7 x 8 or 4 x 6 frame sizes are available.

Turbi

Ray Colley and Alex Routh are approved check pilots on the Turbi. Please see them if you want to fly. The Turbi is to be used for by members for personal use only. No istructional time permitted.

Enviro-guy (or gal) sought

The DAPCOM committee is looking for an Envirnomental Chairman. If you have some knowledge in this area and have a few hours to spare monthly give them a hand.

Pancake Breakfast Helpers

If you would like to help out during our pnacake breakfasts please give your name to Joan Cox, so that we may if needed. Contact her at jr_rosicox@telus.net or leave a message at 604-596-7635. The next pancake breakfast is Breakfast September 12th.

New Pilot License Reminder!

Pilots: if you have not made an application for the Aviation Booklet Licence yet you must do so before the end of the year as the old paper licence will no longer be valid in the new year and that you may not be able to exercise the privilege to fly without the new booklet form license.

Chairperson Changes

Membership Chairman (Co-ordinator) as Rob Prior is stepping down, as is Buildings Chairman as Daniel Weinkin. Custodian as Lynn Walker is sitting in for Robin McNamara when she resigned.

Elections

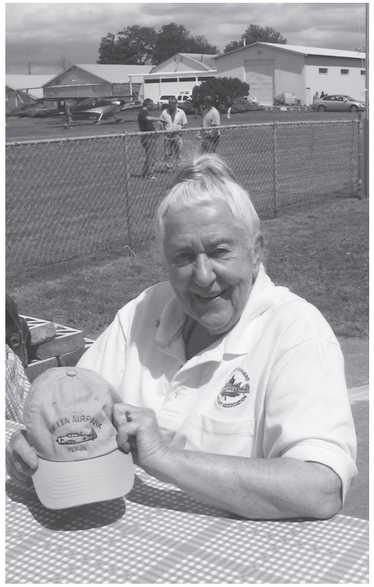
October is our Elections Month. If you have thought of serving, or know someone who should be nominated, now is the time to give it some thought.

TURN AND BANK

October 2010

JULY'S FLY-IN AT DELTA was another success. We could not have done it without the many members that stepped up and volunteered to handle the air traffic as well as the ground marshalling and the walk-ins as well. Thanks to all that made it a great day. Hats off to you all and to Ray Colley for donating the hats for the volunteers depicting the Swain's Harvard on it, very nice.

The Roundhouse was the site of a special occasion in August as it was the venue for a young couples wedding. James Cox (my son) and his long time friend Lorraine joined hands & hearts in an



indoor ceremony surrounded by family, friends and their daughter Rose. Weather prevented us from gathering outside but the wonderfully decorated clubhouse (Thanks Bruce, Jean , Gerald, Chris, Pat, Candice)

This year we once again flew to Oshkosh in our RV-7 along with 4 other airplanes and again had a memorable trip, making new friends along the way and seeing old ones too. If you have never flown into Osh, do not be scared of the procedure. It is hectic to be sure but reading the arrival brochure and keeping a good eye out, best to have a second pair of them with you the trip is well worth it. Seeing the band 'Chicago' playing in Aeroshell Square surrounded by DC3's just can't be beat. Unless you include almost being run over by a golf cart driven by Mikey from Buffalo Air. I was weaving he was weaving and neither one of us looking where we were going.

There's a new television series called 'The Aviator" it began early this month and is based out of Boundary Bay, as they say 'an aviation show done by pilots' . Check it out. The two shows I have seen look good; they dabble in many different aspects, from air shows to pilots and their planes. Look for it on PBS, Global, CHEK and Discovery channels.

Remember to come out to October's meeting and vote because it is election month for Chapter 85 and I would like to see you all out to vote for your candidate or run for a position if possible. Many the best man (woman) win.

Pancake breakfast is on October the 10th, it is Thanksgiving weekend, Mary Swain and I will not be there so if you could please come out and help, it would be muchly appreciated.

No minutes from last meeting as we had a show and shine.

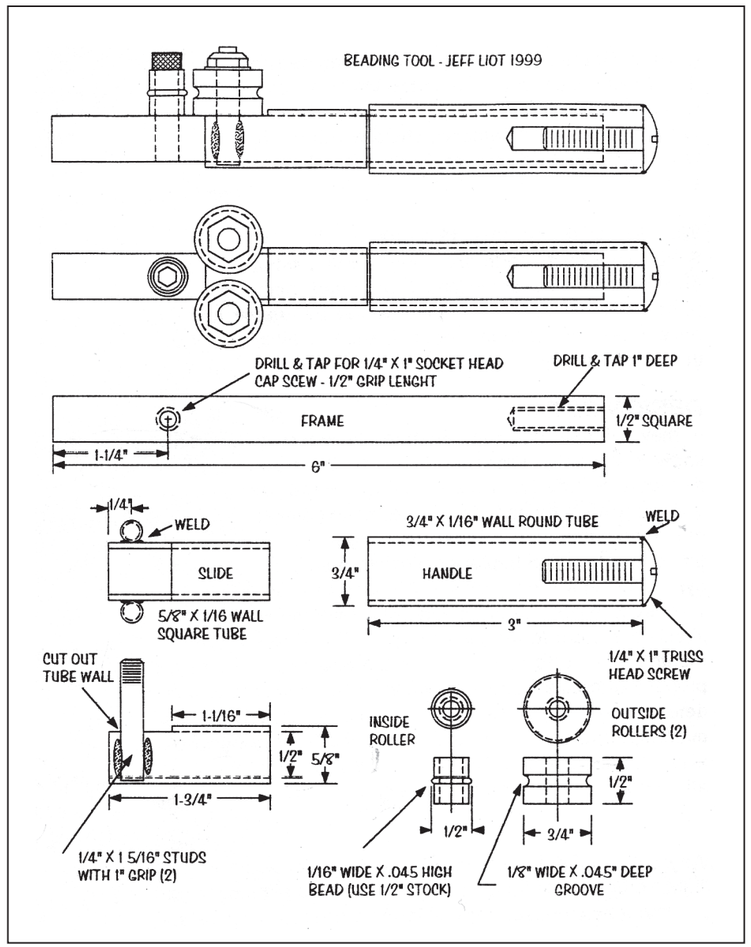
With all the fly-ins and fly-outs I glad for the wet weather because now I might be able to figure out what are the cats and what are dust bunnies at my house. Might even vacuum, if I can remember what a vacuum looks like or remember where it is. Hmmmmmmm?

Around the Airpark: Top left, Mary sports her Harvard hat; Centre, Bruce seems satisfied that the fence painting (right) is going good. Left, a scene from the 2010 chapter fly-in.

Homebuilt Beading Tool

Jeff Liot

Jeff Liot of Victoria BC recently finished building a Subaru Legacy powered Glastar. It sports a Ross Redrive with a Warp Drive Prop. Jeff reports that it flies beautifully.

They say that necessity is the mother of invention. While building my plane, I found that I needed to put beads on various tubes in my cooling system. The fact that I was using different sized tubing and wall thicknesses dictated that I needed an adjustable beading tool. I decided to build my own.

The "backbone" of the tool is the FRAME. I used 1/2" square cold rolled material as the finish and dimensional accuracy is way better than hot rolled steel. I laid out the hole locations for the inside roller screw and the handle screw and did the necessary drilling and tapping. I used a 4-jaw chuck in the lathe for the handle screw hole. I probably could have drilled the handle hole with some careful clamping in the drill press. I made the SLIDE from steel tubing. One end of the slide had to be relieved to allow for the OUTSIDE ROLLERS to sit against the frame. With a tiny bit of touching up the inside weld flash with a file, I was able to have the SLIDE fit over the frame with almost no play. I rummaged around and found some aircraft quality 1/4" bolts that I cut down to make the STUDS, which I welded to the slide. Here I paid special attention to make sure everything was square and parallel etc. I used my tig welder for this job but I am sure it could also be done with some careful oxy-acetylene work. For the handle, I found the required piece of seamless steel tubing in my scrap box. I filed 3" of the corners on the handle end of the frame down slightly until the handle slid freely over it. Next, I found a truss head screw (that's the one with the extra wide head) and welded it to the end of the handle. For this job, I assembled the HANDLE and SCREW to the FRAME prior to welding so that everything would be aligned properly. At this point, I assembled the SLIDE, FRAME, and HANDLE together and ran a test. Sure enough, screw the handle in and it pushed the slide along. All I needed now were some rollers. I machined the INSIDE ROLLER from a piece of 1/2" »