

Portland Area RV Builder's Group Newsletter

Issue 91.8

March 1992

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Last Meeting, Group Happenings

Rion Bourgeois hosted our last builders group meeting. Don Wentz led a discussion on aircraft lighting (and of course gave his sales pitch for the lighting kit he offers). Thanks Rion, Don for a good meeting.

I have decided to start adding a little blurb for folks that have reached milestones in their progress, not only completions, but completions of various sections as well. Sort of a little friendly competition and recognition to help us all get our planes flying. So if you have completed a kit, plane, whatever, or know of somebody else who has, let me know and we can get it in print.

Mike Seager has FINALLY painted his RV-6. What is it Mike, only 533 hours on the airplane! Seriously, it looks great. It is a top notch job with an original design that complements the airplane nicely. I expect there will be several trophies won this year with Mike's airplane. I'm sure we will get a chance to have a group meeting this summer out at the Vernonia airport where everybody can get an up close look at it.

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March Meeting:

Place: Ron Ebersole's House

Date: Thursday, March 12th.

Time: 7:00 PM **Directions to**

my house:

Address: 19940 SW Gassner Rd (Cooper Mt)
Beaverton
Home Phone: 642-3560
Work Phone: 690-6231

From downtown Beaverton

1. Go west on Farmington to Miller Hill Rd.
-Just west of 198th
2. Turn Left (south) on Miller Hill Rd
-School at corner of Farm, and Miller Hill
3. Go to top of Miller Hill to stop sign at Gassner
4. Turn right (west) on Gassner

5. Go about 150 yards to paved, private road
-Just after row of 8-9 mailboxes
-Go slowly, children and dogs
6. Go to end of the road, my house is second from end, on the right.
-Gray, contemptry house with 3 car garage
7. Parallel park on the left side of the private road.

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Calendar & Miscellaneous

- Don't forget, EAA Chapter 105 meetings are every month on the third Thursday, 7:00 PM at the PGE building, corner of Murray and Scholls Ferry Rd.

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Tips & Tricks

I am including a current mailing list for the builders group with this issue. We now have a little over 60 people on the list. This includes copies that are sent to other builders groups around the world that in return provide shared information back to us. Again, I have a notebook of the newsletters and info sent from other builders groups that I will try to bring to every meeting for other folks to look at.

If you have questions or need help with something on your plane, don't hesitate to call someone on the mailing list, I think most of us would be happy to help wherever we can. I have also included information on where each person is in their particular project, to help you know who to call for help. This information is incomplete and inaccurate — please update me at the next meeting or drop me a note to let me know where you are on your project to get this updated.

Coding List (for sections completed):

- L = Still Looking
- P = Bought plans
- T = Tail kit
- W = Wings
- F = Fuselage
- E = Engine & Instruments/ Finish Kit

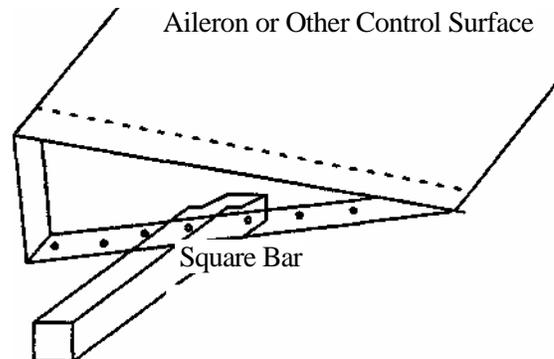
How to Rivet in Tight Places — John Ammeter from Jan 92 Puget Sound RVators

Several of the flush rivets near the trailing edge of the control surfaces are very difficult to install; there isn't room to use either a rivet gun and bucking bar or the conventional rivet squeezer. Some builders have taken a vise grip pliers and ground the jaws flat to use as a rivet squeezer. This is entirely adequate but, with the price of even the inexpensive import pliers nearing \$5.00 or \$6.00, there has to be a cheaper way. Even on the RV-6 which is almost all aluminum, there are less than 50 (out of 12000) rivets that are located in such tight quarters. Since most of the control surfaces will have been back-riveted it is likely that you will have a large heavy flat piece of steel around the shop someplace (if your shop is as organized as mine, take a few days off and find it; it is sure to be somewhere logical, like under the scrap aluminum pile).

Put the flat steel plate on the bench and carefully place the control surface (with the rivet in place in the hole) on it; you will probably have to block up the far end so it will sit flat on the plate. Now take the square bar and carefully put the formed end on the working end of the rivet. The other end of the bar will sit on the flat plate. At this point you have just realized that you are about to use a hammer in close proximity to the piece of aluminum you have just spent 2 weeks building. This is not the time for shaky hands; if you value your airplane parts as much as I do there is a very simple way to shield the control surface from harm. Either place your extra hand (whichever is not holding the hammer) on the control surface to act as a cushion in case you happen to come too close to the aluminum (this is guaranteed to increase your anxiety and make you even more shaky) or place a large piece of wood over the aluminum. Personally, I prefer the use of wood over flesh; so does my wife and dog, less sound effects when I slip. Now, very carefully, strike one blow with the hammer on the bar near the aluminum. If all went as planned you now have a perfectly formed working head on the rivet.

This is a very simple solution to a very vexing problem. I want to credit this idea to Mike Adams of Vancouver, WA. He and his friend, Russ Parr, stopped by my shop recently and, seeing that I was building a new elevator for my RV-6, mentioned this method of riveting. Thanks to both of you, my rivets turned out perfectly.

PS: Hopefully your rivets are spaced better and straighter than mine in this drawing!
Steve



Tool Sharing

Here is the list of people who have offered the use of various tools and jigs. There are some very generous offers here, I think a reflection of the amount of trust and respect we have for fellow builders. If you have things to add, please let me know and I will update the list.

- ATS clecoes for wing tank sealing work — Don Wentz.
- Tubing Flaring tool — Dan Delano.
- Transit for leveling jigs — Bill Kenny.
- Alligator style pneumatic rivet squeezer — Ken Scott.
- Wing / tail jig — Steve Harris, Don Wentz.

Name	Company	Phone
Aircraft, Vans		(503) 647-5117
Allen, Glenn	EAA Chapt 71 - RV Builde	805-832-8225
Ammeter., John	Puget Sound RVators	206-525-5445
Anderson ,Brent	RV-4 PTW	(503) 646-6380
Anderson , Jac k	RV-BC	(604) 531d-5712
Anglin, James L.	RV-6 Flying	(503) 642-2797
Balfour, Peter	Van's Airforce, Ontario W	
Bates, Fred		636-7216 H, 283-3166
Benedict, Bill	RV-4 Flying	(503) 649-8707
Bloomberg, Doug	Rocky Mountain RVators ed	
Bourgeois, J. Rion	RV-4 PT	646-8763 H, 222-7466
Brabandt, Earl		640-5572
Christner, William		829-2856
Clark, John D.		624-0945
Conrad, Joseph		774-7264
DeLano, Dan	RV-6 Flying	244-5757
DeVore, Bob	RV-6 P	(503) 647-5717
Drake, William		
Eyres, Evert W.	RV-6 PTWF	(503) 648-3564
Ferrell, Steve		(503) 640-2397
Gold, Chuck	Chicago Area RV Builders	312-657-7545
Graham, Jim	Arizona RV Builders Van's	602-759-1516
Grucz, Dick	Airforce, Michigan EAA	517-548-1035
Harper, James A.	Chapt 123 - RV Build	
Harriger, James		
Harris, Steve	RV-4 PTWF	(503) 324-8131 H
HedricM, Jef f	RV-6 PTWF	(503) 244-6022
Heikkila, Del		(503) 324-4073
Henderson, Randall		
Hine, Joseph D.	Maritime Provinces	506-452-J072
Hoopes, Rae	EAA Chapt 315 -- RV Build	201-229-2983
Hopple, Jon		(503) 642-7928
Householder, Steve		662-3697 H, 297-8760
Hull, Dave	South Bay RVators	213-372-5770
Kelleman, Keith A.		(503) 223-1099
Kenny, Bil]		
Koch., Frank	RV-6 PTW	620-8011 H, 684-5155
Martilla, Bob		(503) 639-3818
McCulloucih, N		(503) 632-3314
oah	EAA Chapt 59 - RV Builde	817-772-9732
Miller, Joe & Char		(503) 647-2059
Neuner, Bob		(503) 771-6361
Novotny, Gary	Minnesota RV Builders	612-633-0667
Ohlgren, Brent	RV-6 PT	357-7980 H, 228--7307
Pierson, Jack		292-8906 H, 238-6330
Rainey, Norm		(206) 256-6192
Scott, Ken	RV-6 PTWFE	(503) 626-9363
Seager, Mike	RV-6 Flying	(503) 429-5103 H
Springer, Neil		645-4101
Standley, Gary	RV-4 PTWF	(503) 591-9040
Stecher, Joc-	Mid-America RVators	314--291--7290
Stenger, Doug		(503) 324-6993
Styskel, Ted		632-3918
Triplett ,Gregg	SF Bay Area RV Builders	415-462-8633
Wentz, Don	RV-6 PTW	543-2298 H, 696-7185
Yonemura, Norm		(503) 655-0504

Phone Book Report
Company

N a m e	Company	Phone
Gcildsmith, Michael	RV-4 Flying	629-6380
Black, Kefton		
Hughes, Monty		
Ebersole, Ron	RV6 PTW	690-6231w,
Moxham, Bryant		642-3560
Foy, John P.		
End of Report		