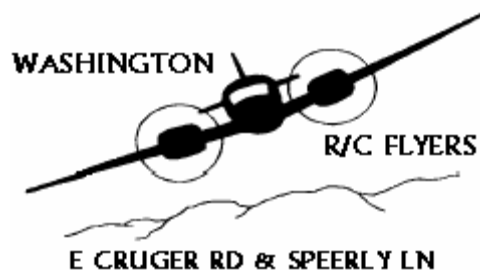


# Washington R/C Flyers Newsletter



May 2006

[www.washingtonrcflyers.com](http://www.washingtonrcflyers.com)

## Next Meeting



Our next meeting will be at the flying field on Tuesday, May 9<sup>th</sup>.

## Mow Schedule



### May

2, 5 Tom Berry / Jim Allen  
9, 12 Matt Holl / Art Ausili  
16, 19 Steve Grob / Don Hall  
23, 26 Kayton Heavrin / Doug Jaegle  
30 Tom Hunt

### June

2 Gary Hunt  
6, 9 Mike Kapraun / T.J. Klise  
13, 16 Marshall Logue / Vern Mall  
20, 22 Jim Martin / Ken McGowan  
27, 30 Bryan Miller / Marvin Prather

This schedule is on the web site and is also on the grease board in the equipment shed at the field. If you have any question please contact John Bremenkamp. Mow on Tuesdays and Fridays if the grass is tall and needs it. Mowing

Guidelines are posted at the field near the schedule on the grease board. If you make any substitutes, please note them on the grease board.

## From the Presidents Hangar

Sometimes it takes a woman's touch to get things going and on the right track. On Saturday, April 22 an impromptu work party evolved when a member and his wife showed up at the field. The member was expected but his wife was not. The woman brought some pruning shears, work gloves and a lot of enthusiasm. Some equipment and concrete blocks had accumulated around Walter Mitty's Hangar and the grass or weeds were growing around them giving an unsightly appearance to the facility. The woman asked for help and boy did she get it. The equipment and blocks were moved to the rear of the facility in a storage location, the trees were trimmed along the West border of the property from the Skunk Works to nearly the Welcome sign. The weeds were mowed and the Skunk Works was given a spring house cleaning, as was the interior of Walter Mitty's Hangar.

Earlier in the week a group of retiree's had laid out the yet to be named shelter, dug the holes and

President	Vern Mall
Vice President	Wally Walwer
Sec./Treasurer	Jim Martin
Newsletter Editor	Steve Grob
Safety & Rules Committee	Bryan Miller
Maint. & Grounds Committee	John Bremenkamp
Events Committee	TJ Klise
Social & Education Committee	Kayton Heavrin
Site Committee	Paul Cobb

poured the concrete footings. While this was being accomplished a 7000 pound double drum vibrating roller had been rented and the rolling of the field was done. On Saturday the only intent was to clean up around the footings and complete the rolling when this woman showed up! Thanks, Kay! Vern

## Site Committee Update

The field is looking good this spring with new grass coming up thick and filling in the bare spots. John Bremenkamp arranged for rental of a large compactor to roll the field which is now a smooth surface so it will be easier on landing gear. The club approved proceeding with the shelter construction and we already have the post foundations in place.

## Site Committee Update Continued

Kayton Heavrin is leading the construction efforts and will need help during the next few weeks to complete the project so please respond to the e-mail work party requests. The 16 x 32 ft shelter will be a nice addition to the field facilities and we expect it to be completed in late May.  
Paul Cobb



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## May Event Date Change

It has come to my attention that your intrepid event coordinator (Me) used poor advanced planning in selecting the date of May 14<sup>th</sup> – which by the way is Mothers Day. To keep us all in good shape with our spouses, Mothers, and dare I say it - In Laws, I am rescheduling our Flying Season Kick Off Lunch to Saturday May 13<sup>th</sup>. Please bear with this logistically challenged faux pas of mine! Come on out to the field, bring out your latest flying machine, and see all your pals for a great afternoon of fun, frivolity, and friendship on May 13<sup>th</sup>! With all the rain we've had the field should be looking great in 2 weeks. Please consider RSVP'ing to Kayton Heavrin so that we can get an accurate headcount of participants and enough food to feed us all. Reminder, do bring a

covered dish or side of some kind to round out the menu.

See you all at the May meeting!

TJ

## Hose Recovery

If you left a garden hose at Tom Imhoff's house that was used to water the field at his house, it is at Vern Mall's house. There are about 6 or 8 of them and they can be claimed by phoning Vern. Any left over hoses will be offered for sale or raffled at upcoming Club meetings with the proceeds going into the Club treasury.  
Vern

## Quote

There is so much good in the worst of us, and so much bad in the best of us, that it behooves all of us not to talk about the rest of us.

## Understanding Engineers

Three engineering students were gathered together discussing the possible designers of the human body. One said, "It was a mechanical engineer. Just look at all the joints." Another said, "No, it was an electrical engineer. The nervous system has many thousands of electrical connections." The last one said, "No, actually it had to have been a civil engineer. Who else would run a toxic waste pipeline through a recreational area?"


## ADVERSE YAW

-by Clay Ramskill

Does your high-wing plane resist making turns? Does it seem to fly funny in turns - does it always seem to be nose high as you turn? And do you have trouble with runway line-up; you just never can get the nose pointed the direction you want it?

Very likely, the problems described above come from aeronautical phenomena called adverse yaw. This can affect any airplane, but is most common in high-wing planes. Longer wings and more dihedral generally make the situation worse, as does slower speed. The problem starts as you roll into a turn - in the rolling process, the outside wing, the one going up, has more drag than the inside (going down) wing. This tends to turn (yaw) the plane AWAY from the turn, exactly the opposite from what is desired!

And once you finally horse the plane on around in its turn, the situation perpetuates itself - the wing on the outside of the turn is going faster, and still has more drag. So you end up with the plane turning, but nose high, in a skid into the turn. (Continued on next page)



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# Adverse Yaw

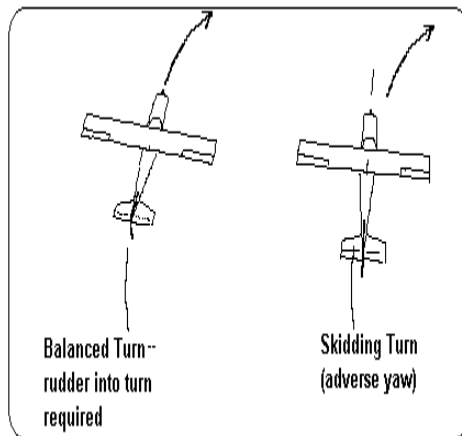
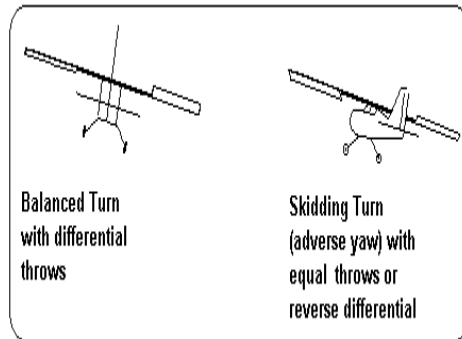
## Continued

It doesn't fly "right" in the skid - control is harder - and when you roll out into level flight, you find you've turned past the desired heading!

Flying real Cubs and Cessnas, you can easily correct for this by using rudder into the turn. Flying the model equivalents, you may not have the skill or experience to do the same. Having a mixer for rudder and aileron is the easiest fix - you simply dial in some rudder with aileron. So when you give the plane right aileron, the radio automatically gives some right rudder, also.

But for those using non-mixing radios (most of us), there is another method to cure the adverse yaw problem - differential aileron throws. We generally have a sense of symmetry in the way we set up our planes, and it's a natural tendency to set up ailerons to move the same amount in each direction. For the high-wing Cub-type planes, we need to change to a non-symmetrical system. Specifically, we want the ailerons to move UP considerably more than they move DOWN. Doing this will create more drag on the lower (inside) wing in a turn, tending to yaw the plane INTO the turn, and curing the adverse yaw problem! Simple, eh?

There are several ways to change your control system so that the geometry of the linkage will give more up than down movement to your ailerons. We'll look at this in another article.



## Agenda

Washington R/C Flyers  
Washington R/C Field  
May 09, 2006

**"The will of the members will propel the Club forward!"**

Welcome & Pledge	Vern Mall
Roll Call	Jim Martin
Quorum	Jim Martin
Financial Report	Jim Martin
Guests	1 <sup>st</sup> time?
	2 <sup>nd</sup> time?
	Larry Speerly
	Mark Cole
	Benjamin Ginzel

**From this point on: Please stand to be acknowledged, and when addressing the membership.**

Officers Comments                      Wally Walwer - Jim Martin - Steve Grob

Safety Update                              Bryan Miller

### Old Business

#### Item

1	Static display in Washington Library	John Bremenkamp & Vern Mall
2	Site Committee Update	Paul Cobb, Kayton Heavrin, John Bremenkamp &
Committee Members		
3	Events for 2006	TJ Klise
4		
5		
6	Other old business	?????

### New Business

#### Item

1	Gifts	Vern Mall
2	Nominate names for shelter	Vern Mall
3	Other new business	?????

Entertain motion to adjourn

Show & Tell