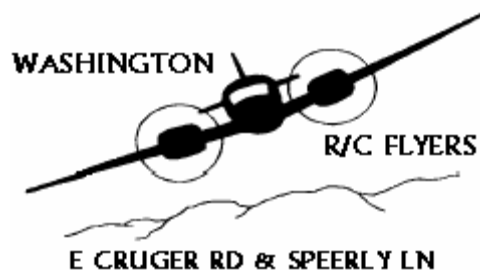


Washington R/C Flyers Newsletter



February 2006

www.washingtonrcflyers.com

Next Meeting



Our next meeting will be at Katy's Restaurant in Washington on Tuesday, February 7.

Mow Schedule



No mowing until next spring.

Safety Tip of The Month

There is no Safety Tip this month because the last meeting was the Banquet at Bernardi's. However, while we are building our winter projects, don't forget item 6 of the 2006 AMA Safety Code: "I will not fly my model aircraft unless it is identified with my name and address, or AMA number, inside or affixed to the outside of the model aircraft. This does not apply to model aircraft flown indoors." Click on the link below to see the "Aeromodeling Workshop Safety" article in the February Model Aviation Magazine:

<http://www.modelaircraft.org/mag/FTGU/Pt.25/index.html>

From the Presidents

Hangar

I've had people ask me what Washington R/C Flyers is all about. I have thought about this for some time and have come to the conclusion that if you divide up the time each member spends on this hobby it goes something like this: 60 % work, 35 % fellowship and 5 % flying time. So if these numbers are true, why do we pay \$100.00 per year dues to work? We don't! Why do we pay \$100.00 a year dues to fly? We don't! We pay \$100.00 a year for the fellowship! Pay for friends? No way! We pay our dues so that the membership has a place to gather where they can discuss the hobby and troubles they are having with their kids, car, home or that balky model engine that is hard to start, won't run properly or sometimes even fly their model. The Club has several members who don't fly but like to build. We have several members who used to fly but grandfather time has restricted their bodies so they are no longer able to fly or join the work parties. That is were the fellowship comes in. I would encourage ALL members to come to the meetings, work parties, fun flies, picnics and whatever for the fellowship and bond there is that holds this Club together. I will see you at the next event! –Vern

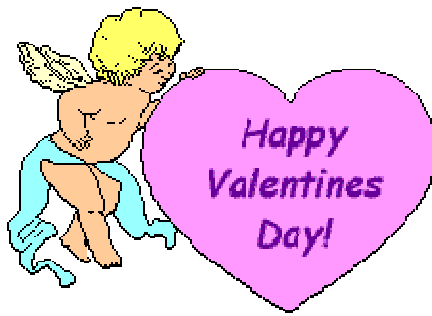
President	Vern Mall
Vice President	Wally Walwer
Sec./Treasurer	Jim Martin
Newsletter Editor	Steve Grob
Safety & Rules Committee	Bryan Miller
Maint. & Grounds Committee	John Bremenkamp
Events Committee	TJ Klise
Social & Education Committee	Kayton Heavrin
Site Committee	Paul Cobb

Banquet

On January 10 WRCF held its annual Banquet at Bernardi's in Washington. There was a great turnout, the food was good and the camaraderie (sometimes known as fellowship) was at its best. The significant other seemed to have a good time too. Entertainment for the evening included an amusing story about one of our own members narrated by Kayton Heavrin and a very interesting presentation by Jim and Colleen Martin on their aeronautics projects at the local schools. These projects included building from scratch scale models of the Spirit of St Louis and the Wright Flyer which are big enough for the student builders to sit inside and get a realistic feel of the history making flights that were made in their full scale counterparts. (Continued on next page)

Banquet Continued

Jim and Colleen have a third project in process that includes building a full scale Mercury space capsule that even has an authentic looking instrument panel complete with switches and dials. The student builders will be able to follow the actual checklists that the real Mercury Astronauts followed during blast off, orbit and re-entry. It was truly a memorable Banquet that will go down in WRCF history as one of the best.



If you want to keep flying, spending time with the guys at the field and spending money on R/C airplanes and equipment, don't forget to do something special for the better half on February 14th.

Winter Meeting Place

Don't forget. The February meeting is a week early due to Valentines Day and it will be held at Katy's Restaurant in Washington.

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ZOOMERANG

If your email address is correct on the Club Roster you should have received an email from TJ Klise containing a link to a Zoomerang survey. It is very similar to the one the Club used in 2004 to determine what the membership wanted as far as events for the coming year. Please help us out and share your views on 2006 events. This ensures that there are the right numbers of events that are planned on the right days at the right time with the right activities. Please participate!

2006 Committee Chairmen

The Committee Chairs for 2006 have been announced and are as follows:

- Safety & Rules - Bryan Miller
- Maintenance & Grounds - John Bremenkamp
- Events - TJ Klise
- Social & Education - Kayton Heavrin
- Special (Site) - Paul Cobb

Notice any difference from last year? Yes, it's true; TJ Klise is back among the living and on the WRCF leadership team once again.

Quote

On this spaceship earth, there are no passengers... We are all crew.

Virgin Atlantic Global Flyer Flies Again!

Once again, Steve Fossett is preparing the Virgin Atlantic Global Flyer for a 'Round the World Non Stop Flight. Currently Steve and the Flyer are poised and

ready at the Kennedy Space Center in Florida. They are waiting for cold weather so that the dense air will provide enough lift to get the fuel laden aircraft off the ground. You can follow the flight at the following link:

<http://www.virginatlanticglobalflyer.com/>

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Understanding Engineers

Understanding Engineers - Take One

Two engineering students were walking across a university campus when one said, "Where did you get such a great bike?"

The second engineer replied, "Well, I was walking along yesterday, minding my own business, when a beautiful woman rode up on this bike, threw it to the ground, took off all her clothes and said, "Take what you want."

The second engineer nodded approvingly and said, "Good choice; the clothes probably wouldn't have fit you anyway."

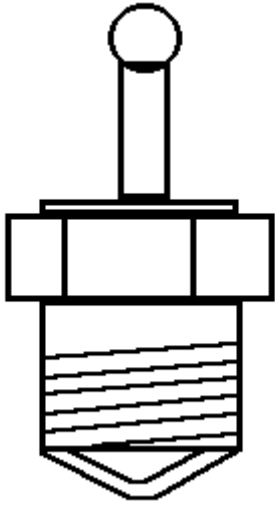
Understanding Engineers - Take Two

To the optimist, the glass is half full. To the pessimist, the glass is half empty. To the engineer, the glass is twice as big as it needs to be.

GLOW PLUGS- Why do they Fail??

by Clay Ramskill

The "ignition system" in our engines is in the main, the glow plug. The other vital ingredient, compression, actually determines the ignition timing, so it can't be totally ignored. But usually it's the plug that gives us the problems.



Why DO glow plugs fail? There are four likely probabilities, five if you count old age. Yes, old age! The plugs operate by using a catalytic (chemical) reaction with the alcohol in our fuel to maintain their heat; as the plug gets "old", it gets more and more covered up with combustion byproducts (carbon, etc.) which hinders the whole process. Of the other four, LEAN RUNS is probably the most prevalent - not so much that the engine was running lean, as it was HOT. Too much heat and the element fries and shatters, or even melts.

TOO MUCH BATTERY power is another failure mode - very related to the above paragraph. Your battery should heat the plug to a nice bright orange or red orange color; if the plug glows white hot, it just isn't going to last. It's bad enough that we subject a tiny little element glowing hot, to the pressures of combustion. But if we add more VIBRATION to the situation, we get trouble.

Unbalanced props, loose engine mounts, etc. may all add up to plug failure, especially in combination with too much heat.

Another plug failure mode is from FOULING. The element is very small, and located down in a well. It doesn't take much trash flying around in your combustion chamber to foul (and ruin) the plug! Aside from the obvious dirt coming through the intake or with the fuel, the fouling can come from metallic sources, usually a result of bearings coming unglued, or from excess carbon deposits in the engine. If the combustion chamber is full of caked-on carbon, pieces of that can, and do, come adrift and end up fouling the plug!

A quality plug run in a sport engine should last for dozens of flights. If they don't, it's probably not the fault of the plugs - its time to look elsewhere for the source of the REAL problem!

Agenda

Washington R/C Flyers
February 7, 2006

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

Welcome	Vern Mall
Roll Call	Jim Martin
Quorum	Jim Martin
Financial Report, Dues & Bonds	Jim Martin
Guests	1 st time ?
	2 nd time ? Larry Speerly Larry Roberts

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

Officers Comments	Wally Walwer - Jim Martin - Steve Grob
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Safety Update	Bryan Miller
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Old Business

Item

1	Site Committee Update	Paul Cobb & committee members
2	Central School Delta Dart Program	Bryan Miller
3	Report on January Dinner Meeting	Kayton Heavrin
3	Other old business	?????

New Business

Item

1	Static display in Washington Library	Bryan Miller
2	Approve President & Vice President check writing authority	Vern Mall
3	Appointment of Committee Chairs	Vern Mall
4	Other new business	?????

Entertain motion to adjourn

Show & Tell