

# Western R/C Flyers



OMAHA NEBRASKA  
AMA 857 - IMAA 284

## TAILSPIN NEWSLETTER

February 2010 Issue

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**Safety Director: (TBD)**

Phone: email:

### A Word From The President:



To the officers of the club that have served I wish to deeply thank you for your service and teamwork helping our club. THANK YOU !!! Also, I wish to welcome the new 2010 officers to a new season and the opportunity to serve the club.

All of us should be deep into the next season's projects, hopefully some of us will even get them done before summer! HA.

Maybe we can see some of the project at the next meeting. Speaking of the meeting, I want to thank all of the hearty souls that braved the cold to attend the January meeting. Hope to see you all at the February meeting.

*Best Regards*

*~ Rick Miller*

### Vice-President's Corner:



Well one more month of this oppressive winter out of the way. I don't know about you, but the seasonal affective disorder is wearing me really thin. Oh well gave me good reason to get the build room done and get started on the Hostetler Skymaster. I hope that all of you are finding something to beat the winter blues.

Being in a new year we have taken a look at the events coming up this year. It seems to me that our events are losing steam. We need to focus on marketing our main events. Getting these events advertised early will allow us more exposure and draw more people which will benefit us.

Don't forget about your 2010 dues. Now is the time to get them in. Dean Copeland is accepting your renewals by mail or in person.

### Next Meeting:

**7:00 PM Tuesday – February 2, 2010**

**Location: NRC, Natural Resources Center, Chalco Hills, 8901 S. 154<sup>th</sup> St.**

**(Board Room, inside main entrance to right.)**



If you have a suggestion as to marketing a particular event, present your idea at our next meeting. We will be discussing the finalization of our annual calendar at the February 2nd meeting. We also need to get the committees finalized for our main events as well. Any ideas for new events need to be presented earlier than later. Hope to see you all at the next meeting.

*Let's Fly!*

*~ Dustin Anderson*

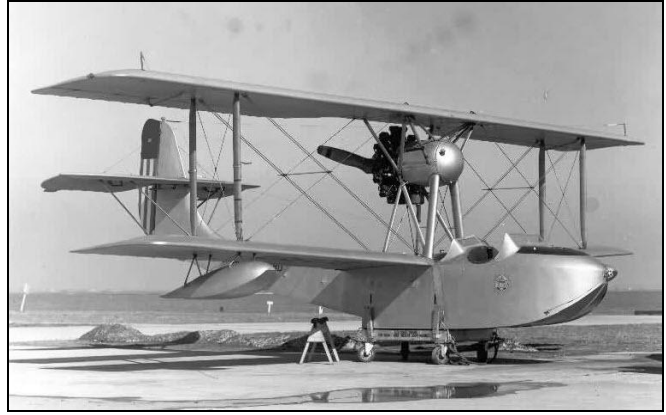
## Treasurer's Report - January 2010



With transition of the treasurer's office; the financial report will be forthcoming at the February meeting.

*Thanks!*

*Dean Copeland*



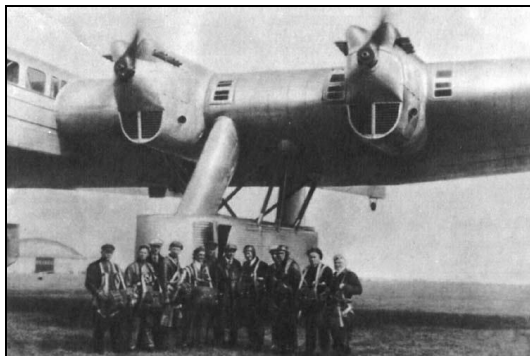
## TRUTH OR FICTION?



The 1930s Russian Army was enthralled by the idea of creating huge planes. During those times, they were proposed to have as many propellers as possible to help carry huge flying fortresses into the air.

Not a whole lot of photos were saved since those times, because of the high secrecy of such projects, and because a lot of time passed since then. Still, in the photo below, you can see one plane - a heavy bomber K-7.

This is one example based on ideas of Russian aviation engineers of that times.



## January 5, 2010 Meeting Minutes:

- Meeting called to order by Rick Miller, President.
- Old Business
  - Deposit verified for Auction Site 2010
  - We will contact Springfield landlords to see if we can do anything for them relative to our vacating the flying field.
- New Business
  - Auction committee to be formed.
  - Keith Paskewitz is awarded honorary membership in the club for his contributions to the hobby and Omaha area clubs.
  - Thank you card to be mailed to the Startzers for allowing our club to fly on their land for past several decades.
  - Tuesday Night Flying and cookout for 2010 flying season will take place at Mead Field.
  - Club to accelerate replacement field search.
  - Event dates for 2010 calendar need to be locked and confirmed by March meeting.
  - Annual "Bud Hall" fun fly event will continue to be IMAA sanctioned.
- Treasurer Report: by Dean Copeland read and accepted.
- Show & Tell
- Meeting adjourned.

*~ Bob Boumstein*

## REWARDS PROGRAM

Remember Hobbytown's Reward Program. With every purchase by a WF member, the club receives a credit for an amount equal to 1 percent of your purchase. Be sure to mention your Western Flyers affiliation when making a purchase at either Hobbytown location.

## Rumors, Gossip and other Signs of Decay



Looking for a new flying field is our priority. There are some things everyone can do to help.

1. If you know anyone who has property, farm, or industrial area in the Southwest end of Omaha (Springfield areas) contact them, though they might not have usable land they may know someone who does.
2. If you or anyone you know has contacts in local government contact them and ask the question "Do you have any public land the Western Flyers can use for a model airplane field?"
3. Any ideas you have that can be of help are appreciated contact any officer and pass these on, please.

Be aware that several plans are at work we are trying to find a suitable alternative flying field. We already have gone through several offers that for one reason or another did or could not be worked out. Truthfully there has been no lack of effort to locate a new field. But now we are at a point that everyone needs to help, that can. We basically occupy about five acres of land for parking, impound and runway and need to overfly another 50 or so acres. You can check with Rick or Nelson for more exact details. However the appeal is genuine as we need to get moving. The Grand Island Modelers auction was fun, not a lot of stuff (150 items?) but a nice friendly group as always. The next Auction is Lincoln on Feb 6. 2010 at Waverly Community Center, always a fun event. Steve Peck and I will be primary auctioneers with the usual guys helping out.

I am looking forward tom the Western Flyers Auction on April 25<sup>th</sup> as the opportunity for "Buy it Now" is great, this is for any item worth \$100 or more to be pre-sold (\$5 buyers premium will apply) prior to the start of the Auction. Also we hope that the \$5 no sale fee will drive away junk, it is important to raise up the quality of what we sell. We have a premier location, and should see growth in revenue despite the economy.

Stay Warm

~ Bob Boumstein

**Western R/C Flyers**  
**29<sup>th</sup> Annual R/C Auction** Sunday - April 25 - 2010

**Buy & Sell**

**Firefighter's Union Hall - 6005 Grover Street Omaha, NE.**

**\$5.00 Adult Admission** (Sellers, Buyers, Spectators, admission required)  
Children Under 12-Free

**Convenient Location!**  
Just 2 Blocks North of I-80 Exit 450  
South 60<sup>th</sup> Street Omaha NE

**Buyer/Seller Number & 1 Free Raffle Ticket** (Included with each Paid Admission)

**All Items will be sold in order of check in.**

**Bidding Starts at \$20.00 - Sellers MUST group your Small Items!**

**10% Sellers Fee for all items sold**

**If you buy back your own item there is a 10% Selling Fee**

**Sellers may designate a Minimum Selling Price on Item Registration Card - \$5.00 "No Sale" Fee on items not making minimum bid**

**All items with no designated minimum bid will sell to the highest bidder!**

**NEW "BUY IT NOW" OPTION for Sellers/Buyers!**

**Checks or Cash only please!**

**Fast Computer Check Out!**

**For Additional Information contact:**

**Rick Miller**  
Email: rick.miller@kollag.com  
Phone: 402-624-2530

**Bob Boumstein**  
Email: bblw@cox.net  
Phone: 402-334-0122

**From Iowa:** 1-80 West from Council Bluffs Iowa to Exit 450 (60<sup>th</sup> St) turn North 2 blocks

**From Lincoln:** 1-80 East to exit 450 (60<sup>th</sup> St), turn North 2 blocks

**Tons of Bargains! Food, Friends & Fun!**

Western R/C Flyers Inc. www.weflyrc.org

Detailed Maps and Info on our Website  
[www.WeFlyRC.org](http://www.WeFlyRC.org)

**Door Prize Raffle!**  
Tons of Bargains!  
Food, Friends & Fun!

**Doors open at 7:30am**  
**Auction 10:00am - 4:00pm**

**OMAHA**  
Grover Street  
Phlegm's Union Hall  
6005 Grover St  
Exit # 450  
South 60<sup>th</sup> Street

**NEW "BUY IT NOW" Option!**  
Buy It Now option will be offered for items worth \$100 or more prior to the Auction starting. A \$5 buyers premium will apply per item, simply bring the Buy It Now card to the Checkout Computer and then pay the amount plus \$5, and remove the item.

**Airplanes, Heli's, Engines, Radios, Cars, Boats, Tools, Supplies & More!**

**Food and Drinks Available! BEER sales after 12 Noon!**

**All Items will be considered in "AS IS", "unknown condition" by the Western R/C Flyers. As always, inspect the items closely BEFORE the auction begins!**

**All Bids are FINAL and no warranties or guarantees are expressed, or implied by the Western R/C Flyers.**

## ~ Western Flyers Events Calendar ~

Please review the calendar of events at the bottom of the newsletter. If you have any input with regard to the scheduling of an event, please contact one of the club officers by March 2nd. You will notice that the Quickee Races are shown, but they may not occur this year due to lack of participation last year. If you have an event that you'd like to schedule, give it some thought. Then contact one of the club officers or make it to the next club meeting.

~ Editor





## Show N' Tell at January Meeting

Braving the cold weather, unlike one club president who left his airplane in the van, **Fred Becker** (below) brought into the meeting the latest project. Seems to be one-a-month out of **Fred**. It is a scratch built Sopwith Pup from his three view drawings.



This is a remarkable model with tons of detail including the "round" engine under the cowl that was a project in itself.



**Wingspan:** 32"

**Wing area:** 363.6 Sq In. (well over 400 with tail and fuselage bottom).

**Weight w/out battery:** 12.6 oz.

**Weight with Lipo(s)** - 2 cell: 13.7 oz, weight with 3 cell: 14.2 oz.

**Motor:** Ripmax Xtra 2815/24 Brushless (4mm stator 300 class outrunner): 1,100 KV, 7A/60's max, 3-6A operating current, 33g weight w/out prop adapter.

**Propeller:** APC 9 x 3.8, slow flyer.

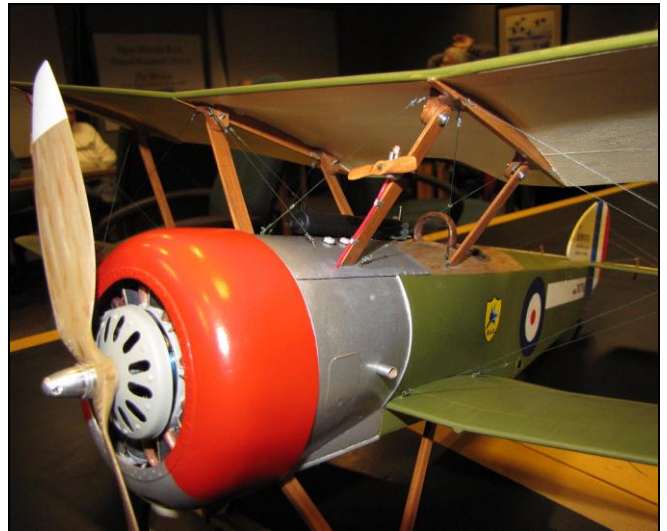
**Weight per Sq Ft:** 2 cell=5.4 oz/lb. 3 cell=5.62 oz/lb.

**Static measurements:**

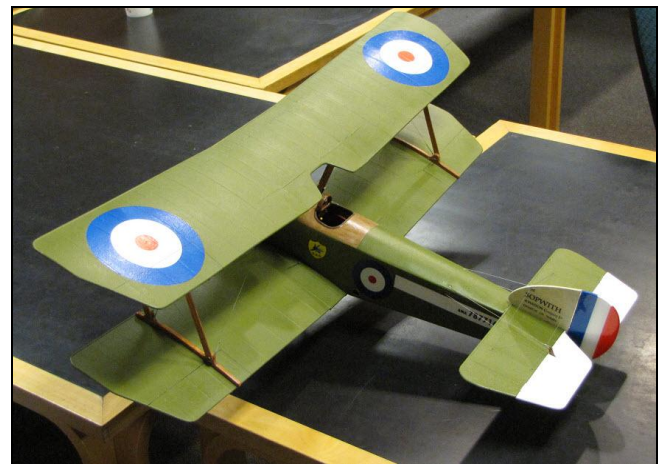
2 cell: 12C, 730 mah, 4.2 Amp, 28 watts, 32 w/lb.

3 cell: 15C, 640 mah, 6.5 amp, 63 watts, 69.9 w/lb.

**Fred** states: "Weight to area may seem a little heavy to some for indoor, but not at all for outdoor (helps fight wind). However a 'very' scale warbird is always somewhat heavy (if you call this heavy), but I fly birds like this all the time. The biplane with lots of wing, induced drag, dihedral, etc, is a very stable floater anyway."



Material choices: I made most of this airframe from Depron, some wood sub-structure, spars, and ribs to hold shape. Wood was balsa and bass. Airfoil was 'baked' in the oven, most contours were pre-formed by rolling. Rib tape, and small details were 20lb. bond paper to 100lb. index card stock.



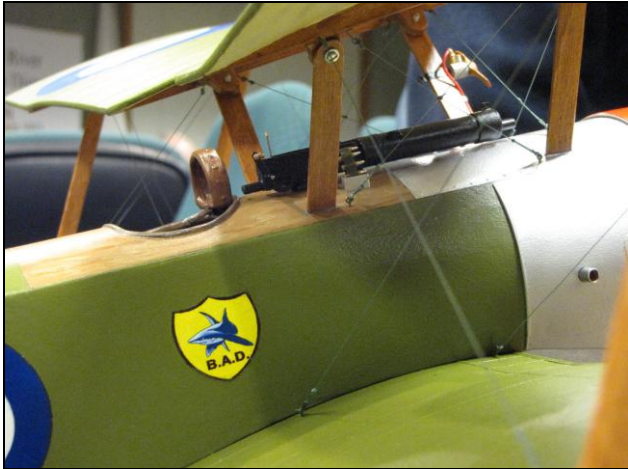
Ribs and struts were bass (popsicle and tongue depressors). Craft paint mostly except for cowl red and aluminum colors. Fish hooks (#4 Aberdeen) for rigging attachment. Machine gun, engine, fuel pump, and pitot assembly were various pieces of paper, foam, skewers/dowel, straight pins, glass beads, wire, etc. Wheels were Dubro light weight indoor with neoprene fuel line tires and card stock covers. Cowl of course is fiberglass/epoxy over a male foam plug.

Show N' Tell Continued...



## Show N' Tell Continued....

**Fred** says that: "With the efficiency of brushless motor, large prop, slow pitch, 2 cell setup pulls well at 25-30 degree climb angle, lots of air but lots of drag. Very scale like power to weight ratio. Fly on the wing and a prayer, just like it's supposed to be." The insignia shield on the side of the fuse is something Fred likes to add to all his aircraft he designs and builds. **Becker Aircraft Design**.



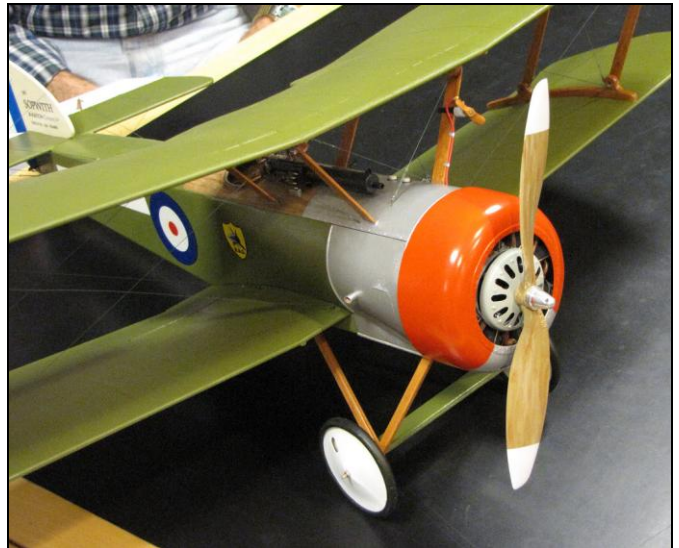
Three cell setup, the plane will hover, static. Not a 3D plane, nor set up to do that. No need to fly on the wing all the time, very un-scale like climb rate, cruise, etc. But the extra power is always wonderful. Plus this is the setup for outdoor flying.



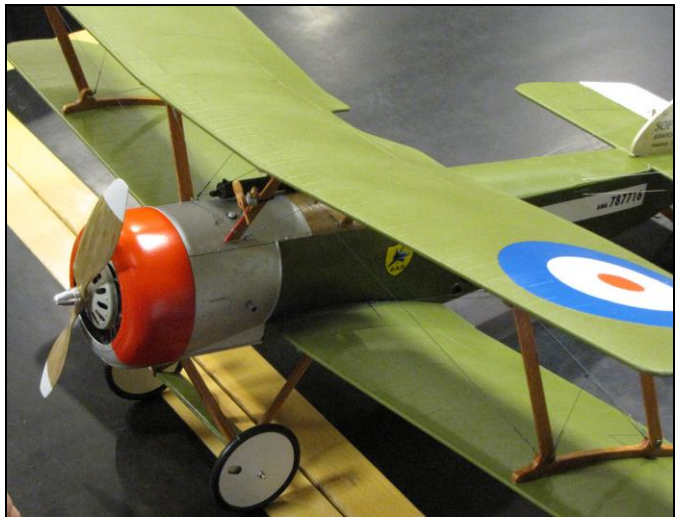
Note the ammo belt feeding into the machine gun. All scratch built.

Learn more about Fred's project, on his building thread at RC Groups:

<http://www.rcgroups.com/forums/showthread.php?t=1153096>



You can make out the "cans" under the cowl from this view.



Club member **Bob Burt** stares in amazement at the amount of detail in Fred's small model.



**From the Middle Point RC Flyers,  
Murfreesboro, Tennessee**  
*Airplanes for Flying in Windy Weather*  
by Ivan Cankov

All too often, on an otherwise nice but windy day, folks just don't fly. Obviously, for a beginner, that's common sense—but for someone who has some experience, the wind can be a challenge that adds some spice to flying.

While it's easy to see that experience level has a lot to do with how much wind is too much, it may not be quite as apparent that the type of model you're flying also can have a great effect on your ability to handle winds.

Let's go through some airplane design features to see which ones give us the best flying characteristics to handle winds and the resulting turbulence:

**Size:** In general, the larger the airplane, the better it will handle winds of all kinds; large models don't "flop around" as much!

**Dihedral:** The more dihedral in a model's wings, the more they are going to be affected by crosswind gusts; it is hard to keep the wings level, therefore lineup to the runway is difficult in a crosswind situation.

**Wing Loading:** The higher the wing loading, the less an airplane will be affected when hit with a gust.

**Aspect Ratio:** Lower aspect ratio (stubby) wings will be less bothered by gusts; there is less leverage for side forces to upset the airplane, and lower aspect ratio wings have a greater tolerance to changes in angle of attack caused by gusts.

**Power:** Having the power to overcome the force of wind is necessary. The same thing goes when you get into a sticky situation.

**Lateral Control:** Ailerons are beneficial in a crosswind landing and takeoff phases. The ability to dip a wing into a crosswind without changing heading is essential, as is the ability to rudder the airplane parallel to the runway heading while keeping wings level with ailerons while landing.

**Landing Gear:** Models with tricycle landing gear are easier to land and take off in a crosswind than tail draggers; in addition, the wider the spread on the main gear, the better.

**Maneuverability:** This one is a bit harder to quantify. You want a model with stability, yet you do need good maneuverability to cope with gusts. Therefore, you want a model that is stable, yet responsive.

**Wing Mounting:** Generally, a low-wing airplane will handle crosswinds better. This is because the center of gravity of the airplane is nearer, in a vertical sense, to the aerodynamic center of the wing.

Therefore, a side gust does not roll the model as easily. Moreover, by mounting the main landing gear on that low-wing model, they can be spread wider.

It's unfortunate that almost every preceding item is in direct opposition to the characteristics found in many popular trainers. The main exception is the requirement for tricycle landing gear. But even with trainers, there are differences. Compare a Seniorita with the Kadet Mk2. While the Seniorita may be a bit slower and a bit easier to fly, the Kadet, with its ailerons, higher wing loading, lower aspect ratio, and lower dihedral, is a far better airplane when flying in windy conditions. Going a step further with the same kit manufacturer, the Cougar (.40)/Cobra (.60) kits embody all the right characteristics for windy flying.

In closing, I offer Confucius' only known saying about RC flying: "To learn to fly in wind, one must fly in wind!" →

## NOTICE

**The FLYING FIELD AT  
SPRINGFIELD IS OFFICIALLY  
CLOSED.**



<http://www.weflyrc.org/>





# ~ 2010 Western R/C Flyers Event Schedule ~

## TENTATIVE

### **January 2010**

Tuesday, Jan 2nd - Meeting  
- 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154<sup>th</sup> St.

### **February 2010**

Tuesday, Feb 2nd - Meeting  
- 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154<sup>th</sup> St.  
(Board Room, just inside right of main entrance)

### **March 2010**

Tuesday, Mar 2nd - Meeting  
- 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154<sup>th</sup> St.  
(Downstairs meeting room – north end bldg)

### **April 2010**

Tuesday, Apr 6th - Meeting  
- 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154<sup>th</sup> St.  
(Board Room, just inside right of main entrance)

- Sunday Apr 25<sup>th</sup> – Western RC Flyers 29<sup>th</sup> Annual R/C Auction at Fireman's Union Hall located at 6005 Grover St. in Omaha. Doors open at 7:30am with bidding starting at 10:00am. Admission \$5.00 per person.

### **May 2010**

Tuesday, May 5th - Meeting  
- 7pm, MEAD FIELD, bring a plane, open flying & food  
- Sunday, May 8<sup>th</sup> – Old Timers event at Mead. Registration at 9:00am with flying until noon.  
- Sunday, May 16<sup>th</sup> – Q500 races at Mead. Registration at 9:00am.

### **June 2010**

Tuesday, Jun 8th - Meeting  
- 7pm, MEAD FIELD, bring a plane, open flying & food.

- Sunday, Jun 6<sup>th</sup> – Annual Spring Club Fun Fly at Mead Field starting at 10:00am. Open flying.

- Sunday Jun 20<sup>th</sup> – Q500 Races at Mead Field. Registration at 9:30am. Racing starts at 10:00am.

### **July 2010**

Tuesday, Jul 6th - Meeting  
- 7pm, MEAD FIELD bring a plane, open flying & Food.

Saturday, July 10th - Old-Timers Fun Fly - 9am until noon Mead field.

Sunday, July 18th - Quickee Racing  
- Mead Field - Check in 9:30am, Racing 10am

### **August 2010**

Tuesday, Aug 3rd - Meeting  
- 7pm, MEAD FIELD a plane, open flying & food.

- Saturday, Aug 7<sup>th</sup> – Old Timers Fun Fly 9am until noon, Mead Field.

- Saturday and Sunday, Aug 14/15th – Bud Hall IMAA Fun Fly. Aircraft limited to IMAA criteria and membership. May join IMAA at field. Criteria 80" wingspan monoplane, 60" wingspan biplane, or a true ¼ scale aircraft. Landing fee \$10.00 provides lunch both days and flying.

- Sunday, Aug 22nd – Q500 races at Mead. Registration at 9:30am. Racing starts at 10:00am.

### **September 2010**

Tuesday, Sep 7th - Meeting  
- 7pm, MEAD FIELD - bring a plane, open flying & Food (Last Tuesday food will be served)

- Sunday Sep 5th – The 4th Annual Fall Fun Fly and Swap Meet. Mead Field. Free to WRCF members, \$5.00 for non-members. Swap meet setup after 9am. Open flying 10am through 3pm.

- Sunday, Sep 11<sup>th</sup> – Old Timers Fun Fly – 9am until noon. Mead Field.

- Sunday, Sep 19<sup>th</sup> – Q500 races at Mead. Registration at 9:00am. Racing starts at 10am.

### **October 2010**

Tuesday, Oct 5th - Meeting  
- 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154<sup>th</sup> St.

### **November 2010**

Tuesday, Nov 2nd - Meeting  
- 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154<sup>th</sup> St.

### **December 2010**

Tuesday, Dec 7th - Meeting  
- 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154<sup>th</sup> St.

**Want to schedule or sponsor a 2010 event? Contact any officer or attend a club meeting with a proposal.**



**Tailspin Newsletter**  
Western RC Flyers  
Omaha, Nebraska

**TO:**

***Western R/C Flyers Inc. 2010 Membership Application***

Please print clearly!

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

Address: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Evening Phone: \_\_\_\_\_ Day Phone: \_\_\_\_\_

Email: \_\_\_\_\_

AMA Number: \_\_\_\_\_ IMAA Number: \_\_\_\_\_

Dues Paid: \$ \_\_\_\_\_

**2010 Dues: \$35** (2009 Renewals must be paid by **February 1**) New/Renewal: \_\_\_ New \_\_\_ Renewal \_\_\_ (Check One)

Sign Here: \_\_\_\_\_ Date \_\_\_\_\_

**AMA membership is required**  
**Make Checks Payable to: Western R/C Flyers**

**Print this form and send check to WR/CF Treasurer:**  
**Dean Copeland 15668 Fountain Hills Dr. Omaha, Nebraska 68118**