

# The CHECKERBOARD Flyer

Newsletter Editor: Paul Park

July 2016

## June Birthdays

Mike Detloff  
Bill Harlander  
Brian Huckstep  
Gustavo Lira  
Ed Papartis  
Hal Parenti

## EVENTS

July Meeting: 7/21.  
August Meeting: 8/18

July 23 @ Harper College in Palatine is a GoDroneX drone race. Setup starts at 8am, and practice should start around 11am, with racing around 12pm.

The 1 and only swap in IL until the fall:

8/13/2016 -- Decatur, IL (E)  
12TH ANNUAL SWAP MEET.  
Site: 1 College Park. Weston Brohard CD PH: 217-877-7066  
Email: cockpit1\_wes@excite.com

I received an email saying the aircraft display and demo

during the Westmont street fair has been postponed due to the forecast for excessive heat. The new date is August 11, presumably at the same location.

8/6/2016 -- Roscoe, IL (C)  
FLOAT FLY. Site: Chickery Ridge Lake. Orv Steinmetz CD PH: 815.885.1161 Email: skyhawker@mchsi.com. Visit: rockvalleyrcflyers.com

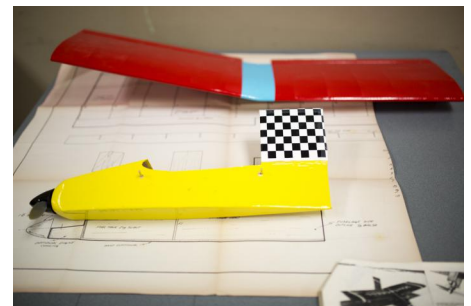
8/6/2016 -- St Charles, IL (C)  
FESTIVAL OF FLIGHT. Site: Fvac Club Field. Paul Jacobs CD PH: 630.778.1184 Email: pauljacobs1010@comcast.net. Visit: foxvalleyaero.com

8/11/2016 - 8/13/2016 -- Monticello, IL (C)  
ILLINI SUPER JETS. Site: 958 Iron Horse Way. Chris Puckett CD PH: Email: rcavi8ter@aol.com. Visit: elifield.com

8/13/2016 -- St Charles, IL (C)  
FOX VALLEY AERO CLUB NIGHT FLY. Site: Fox Valley Aero Club Field. Jeffrey Peca CD PH: Email: j\_pec@yaho.com. Visit: foxvalleyaero.com

## Show and Tell

Henry showed us his WTH - What the Hell. That's the name of the plane! The plans had some crazy notes just to fill the empty spaces. He had to move some components around to get CG. Electric conversion. Yet to fly as of the June meeting.





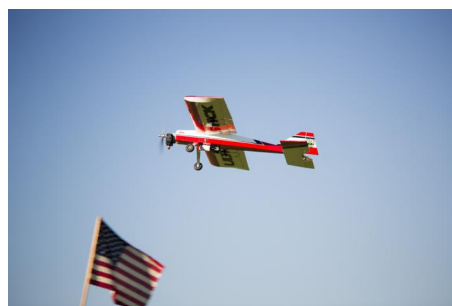
Ed showed us a siren he was going to attach to his Stuka. It sounds great and the weight is marginal for the size of the plane.



We had quite a few winners for the raffle. Can't win if you don't play!



The following Tuesday we had our bomb drop funfly. Steve came in 1st and everyone else came in 2nd(?). Really, that's what happened!





Ever notice how competition advances technology at an incredibly fast rate? Quad racing has had some incredible advances as of late. We're talking about new motors and ESCs about every 3 months. The advances are large enough where you may start falling behind if you don't upgrade. One could *MAYBE* get by without upgrading a single component. But after motors, ESCs, and batteries have improved you better consider changing all 3 to keep up!

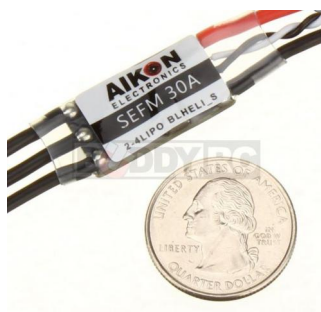
Consider a year ago. We had cobra 2300kv 2204 motors producing 8-900 grams of thrust on a 4s battery. We had speed controllers that refreshed 400+ times a second. And 65C batteries were amazingly powerful.

Today's racers are now using 2300kv 2205 motors that produce over 1100g of thrust. That's almost 2.5 lbs on a single motor and a 5" propellor! The motor weighs 25-30 grams!

ESCs that are capable of sustained 30 Amps that are smaller than my pinky. These ESCs weigh less than 10g each. And they refresh 8000 times per second or more. They have the ability to spin smoothly at very low rpm.

The ESCs are also capable of active braking, similar to a glider where the ESC stops the motor so the prop can fold. In this case it's easier to slow the motor down so you can descend faster and control your height more accurately.

I received some new Tattu brand "Top Pilot" batteries. These went out to some people for testing. I was able to get a couple to review and I can say for certain where a 75C battery would be warm after a race round, the Top Pilot is no warmer than skin temperature.



The specs are being kept somewhat secret but supposedly the C rating is 95C!

There are motors in the works that are 34g yet produce 1500g of static thrust. 3.3 lbs. Think about that.

These latest motors have incredibly tight tolerances and used curved magnets.

I'm not sure what's around the corner but it sure is exciting, though my wallet is not too happy about it.





## Event Calendar 2016

January 21  
 February 18  
 March 17  
 April 21  
 May 19  
 June 16  
 July 21  
 August 18  
 September 15  
 September 17 Family Picnic –  
 Noon  
 October 20  
 November 17  
 November 20 Chili Fly – Noon  
 December 12/15 Mother's Day

Meetings begin @ 7:00 PM.  
 Visitors are welcome. The times  
 and dates for Fun Flies will be  
 announced before the April  
 meeting.

### Interference Problem

We have continuing  
 interference on channels 16,  
 17, 24, 25, 26, & 35 at the field.  
 If you are using any of these  
 frequencies, change to a  
 different one ASAP. Or switch  
 over to a 2.4 GHz system.

## Cook County Forest Preserve Fly Market District Note:

From the Cook County Forest  
 Preserve District:  
 "The flying of any form of model  
 aircraft within the Forest  
 Preserve District shall be  
 prohibited except in such areas  
 which have been designated as  
 "Model Airplane Flying Fields".  
 The areas will be posted by the  
 District and other signs will not  
 be permitted. Each area shall  
 be available for the flying of all  
 types of model aircraft by any  
 and all individuals on a first-  
 come, first-served basis."

"Model Airplane Flying Fields  
 will be maintained by the  
 District on a par with picnic and  
 similar use areas. Refined  
 mowing by individuals or  
 groups is permitted"

### Board Members

President	Anthony Majdich
Vice Pres.	Ed Papartis
Treasurer	John Ricchio
Field Mrshl.	Kim Kraft

## Don't Forget!!!



### Club Contact / Web Site

Checkerboard Field R/C Club  
 P.O. Box 6178  
 Broadview, IL 60155

Club Web Site:  
<http://www.checkerboardrc.club>

Email:  
[info@checkerboardrc.club](mailto:info@checkerboardrc.club)

Facebook:  
<https://www.facebook.com/checkerboardrc>

Newsletter:  
[newsletter@checkerboardrc.club](mailto:newsletter@checkerboardrc.club)



The Checkerboard Flyer  
 P.O. Box 6178  
 Broadview, IL 60155