



# Eagle Screams



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June 2004

The Screamin' Eagles Giant Scale Model Airplane Club meets on the 2nd Thursday of the month. If you have any questions about club activities or meeting location please contact one of the following members.

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## June Meeting to be held at MARCS Kettle Field

The June 10, 2004 Screamin' Eagles meeting will be held at the MARCS Kettle Field. Come as early as you can because we will be using the afternoon and evening to get the field in tip top condition and setting up for our event on Saturday June 12. The business meeting will most likely be about last minute plans like assignments for things like getting ice, coolers, putting the pop and water in the coolers, etc. Mike Kimmerly and I did this last year but Mike will be out of town that weekend and I am busier than a one armed paper hanger with an itch this year with the Gallery relocation and work (yes I said work). It's amazing how much you're worth when you leave a job. **Please be there to help!** Le Roy

## Keep that Airspeed Up!

**"Keep thy airspeed up, lest the earth come from below and smite thee."**

**- William Kershner**

## May Minutes - By Roy Seals

Bill called our meeting to order. Le Roy gave us the treasurer's report. Le Roy also shared with us a letter received from Bob Miracles family and a thank you note from the Olbrich Botanical Society where a brick will be placed in memory of Bob.

### **Our Fly in:**

Mike has agreed to help us with the cooking. We voted to spend more money for raffle prizes, now \$200. We also are

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going to get some R/C related prizes for the pilots Rob and Roy will pick up the prizes. Rob said we have plenty of pilot registration forms. Doug will do the ping pong drop. We are still trying to get a hold of Ken Larson to see if he could help out with the impound. Le Roy will check with Mike to see if we can use his container for hand washing.

It was mentioned that Lodi club will have their annual swap meet and fly in on May 23<sup>rd</sup>.

Carl' Bacchuber's Stratacruiser had its maiden voyage and flew despite the lost of one engine (come on Carl you had three engines left!).

We went through all of our mailing lists for our newsletter and eliminated people that were no longer in the area or were not affiliated with our club anymore.

**We voted to have our next club meeting at the Madison field since it is only two days before our fly in. This way we can to set up and clean up. Most of us are going to try to meet between 5:30pm and 6:00pm to get started. Hope to see you there to do your part and really hope to see you all at our fly in on June 12th.**

Roy 

**Cool Talk Answer**

**Wack** adj. – (B) Weird or strange; unfair or unacceptable; as, You're breaking up with me? That's *wack*. Also wacked..

**Prez Sez** – By Bill Disch

Our poor Prez is suffering with a severe sciatic nerve condition and is unable to sit at the computer long enough to write anything this month. He does request everyone to come forward and give all the help they can on meeting night to get the field ready and help out on the event day. Hope you feel better Bill! *Le Roy*

**Upcoming Events**

- June 12, 2004 - Screamin' Eagles Giant Scale Fun Fly, Madison, WI.
- June 19, 2004 - Fond du Lac R/C Air Show
- June 26, 2004 - Warbirds Over Dane, Madison, WI.
- July 3-4, 2004 - Pebble Creek Fun Fly, Waukesha, WI.
- August 21, 2004 – Warbirds over Sneeks, Cedarville, IL.
- September 12, 2004 – 12<sup>th</sup> Annual Model Aircraft Fun Fly, Lodi, WI.

**Gravity**

**Remember, gravity is not just a good idea. It's the law. And it's not subject to repeal.**



**Trez/Ed Sez** – By Le Roy Stuczynski

Hi guys, our 2004 event is almost here. This year it's going to be a bit more of a challenge because Mike Kimmerly will not be able to help us with the food cooking. Last year Mike played a big part in making the food part of our event a big success.

Therefore we will have to pull together even more this year in the area of the concession stand. Mike guided me along to make sure I bought the right amount of food and refreshments for this year's event. I bought all the soda and water and the brats and burgers from Wyttenbach Meats. I will also pick up the hot dogs, condiments and buns

This year I will not have time to do the pre cooking of the brats, so we are going with a pre cooked smoked brat. I think we will have an ample number of cooks to carry out the concession task. My dear wife has offered to cook. Thanks Sue!

I will need some coolers and volunteers to get ice and stock the coolers with the soda and water I have purchased. I will be pretty busy with registration and Contest Director activities. We will finalize the job duties at our MARCS field meeting. This is all stuff that Mike and I did last year but due to Mike's non-availability and my extremely busy schedule this year, I will need your help.

Back to the subject of the Gallery of Aviation. Things are progressing well and it looks like we will begin packing the things that are going to Titusville Florida as early as July. This means I and my second cousin Jake Hubbard I need to create a digital photography documentation of the museum contents, an inventory of what we are donating, and a cost estimate of the value of the donation. If we play our cards right it could mean a substantial tax break for mom for at least the next 5 years or so. As I mentioned last month, I have been given the go ahead to create a memorial display at the VFW 8483 club located on Hwy CV north of Truax field. I would display things there that relate to this area. Dad was a life member of that club and what a great place to do a display as a tribute to him.

Don't forget the June meeting will be at the MARCS field to get the field ready for our event that weekend. Don't let us down because we want to make the event our best ever. We need your help more than ever and I especially need help this year because I am quite overwhelmed with all that's on my plate this year. Thank you in advance for your usual cooperation.

The July meeting will return to our summer meetings at the LARCC Quarry Field in Lodi. Come early and fly before the meetings there. Thanks to the LARCC club for again allowing us to join them this year for flying and meetings at their field.

Now for this month's "cool" language word:

**Wack** adj. - **A:** difficult, **B:** weird or strange, **C:** Extremely tired, **D:** Overly excited.

Make your best guess and check the "cool" answer in left column.

See you this month at MARCS Kettle Field.



## Whizzers Hold May Meeting at "Gallery of Aviation"



On May 18, 2004 the Whizzers Warbird special interest group of the Madison Area Radio Control Society (MARCS) held their monthly meeting at the Gallery of Aviation. The Whizzers have held their meeting at the Gallery before but this one was special in that it is the last one they can hold there before its relocation to the Valiant Air Command in Titusville Florida and the Madison VFW 8483 club. I just had to get a picture of the group as one of the last formal visits to the Gallery. It was pretty dark when I took the picture but I think the result captures the occasion. Below is a show & tell picture of Greg Baer's Hawker Tempest he brought that night.



### [Fast Charging - Will it harm my packs?](#) – From *The R/C Battery Clinic* by C. L. "Red" Scholefield

First, let's define "fast charge". The industry standard is any charge rate that will charge the cells in 1 hour or less.

This fast charge capability thing is very interesting. Almost all nicads manufactured today for R/C systems can accept fast charge (up to C rate, that's the rate at which you can charge the cells in approximately one hour). Cells that are specifically sold as fast chargeable go through another step in the process. This step involves charging a sample from the production lot and then measuring the end of charge voltage. Cells with the highest end of charge voltage are then analyzed for internal pressure. If the internal pressure is acceptable, that is not above a preset limit, the whole production lot is "blessed" as being fast chargeable. Of course this adds a finite amount of cost to the cell as they must be "formed" prior to being ship in order to be fast chargeable.

Cells not destined for fast charge applications are shipped "unformed" by some manufacturers. Forming the cell is the process of the first charge after it is assembled. Nothing more nothing less. When you charge your R/C system packs for the first time you are "forming" them. This is why you see the instructions telling you to charge the packs for 16 to 24 hours before you first use the system. Some manufacturers ship all their cells in the formed condition as part of their manufacturing process.

So in most instances you are safe fast charging the R/C packs (transmitter or receiver) on the market if you first make sure they get a good first cycle formation charge - 24 hours at the slow rate. Where the problems arise is that some of the fast charge systems available are a little sloppy when it comes to terminating the fast charge, or they are pushing the cells too hard (higher than the C rate charge) and then damage occurs. As a rule of thumb if you packs are not getting hot (slightly warm is OK) you are not damaging them in the fast charge process. When pushing too much current into cells not designed to accept it there is the risk of driving the cells above 1.6 volts (the hydrogen over voltage point) and electrolyzing the water in the electrolyte and generating hydrogen. This is a cumulative event and repeated fast charge at these rates will result in sufficient accumulation of hydrogen to cause the cells to vent. When they do vent there is a chance that the chemical balance will be disturbed and the cell capacity will fade. Understand that the pack may not be fully charged when the fast charge terminates. It is a good practice, if you are going to fast charge frequently, to top off the packs using the slow charger. This will bring all cells to the same state of charge and "balance" the pack. Otherwise the cell that is not fully charged will be the limiting cell on the next discharge. This continues until there is a major unbalance in the pack and one cell can be driven into reverse (if you don't crash first). →



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