

## CARTWHEELS

BY: LARRY LOUCKS, PRESIDENT

Well our busy season is here. Coming up this month we have four events taking place. At our field our **Family Day and Swap Meet** is scheduled for October 4<sup>th</sup>, then there is the **IRCC "Mulberry 500" Pylon Race**, October 11 – 12.

Then Frank Tiano's **Monster Planes USA**, at the Lake Wales Airport, October 17 – 19 and at the end of the month is the **15th Florida International Jet Rally**, at the Lake Wales Airport, October 30 – November 2.

We need volunteers and support staff for all these events, check with Scott Smith or Rick Reude for the Pylon race, David DeWitt for the Monster Planes and John Burdin for the Jet Rally.

Attendance at our monthly meetings has been very low the last couple of months, I encourage and invite anyone who can, to please make the next meeting, we need to have a quorum.

Congratulation to Nick Ruys he was awarded the Sportsmanship Award for his extra efforts for his courage and dedication in fielding a 50cc YAK for a trainer.

Be Safe, see you at the meeting!!

### **New Members**

*At the September meeting  
None Reported ???*

**Our next club meeting is:  
Thursday October 2<sup>nd</sup> at FTE  
Plan now to attend.**

## *Monster Planes USA*

*October 17-19, 2008 at the Lake Wales Airport*

Monster Planes USA is a premiere RC event held for the purpose of bringing together the worlds largest, complex and most prestigious aircraft found the world over. Our club will be in charge of flight line control, transmitter impound and event ticket sales. Please let me know what days you can work at this event. Event hours are 9:00 AM to 5:00 PM Friday thru Sunday.

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Cell # 863-838-4459

## **INSIDE IRCC**

*By: Larry Loucks*

One of our more enjoyable events is coming up on October 4<sup>th</sup>, we are having another "IRCC Family Day and Swap Meet" at the field. All members and their families are encouraged and invited to participate. We will have open flying and some demonstrations of precision aerobatics and control line flying. Bring your favorite plane, war-bird, sport, scale or whatever to fly and bring your excess items you would like to sell or trade, its time to clean out the hanger.

I WILL BE COOKING BURGERS, DOGS AND BEANS, YOU BRING A POT LUCK "SURPRISE" SIDE DISH (tater / pasta salad, chips, cookies cupcakes - whatever)

This is my favorite event, we can all relax, fly, have a good time and enjoy the day with our fellow members and families.

I will be sending an email (this article) to everyone for an RSVP so we know how much food to buy. I look forward to seeing you all there.

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*Courtesy and  
common sense keep  
R/C modeling fun  
for everyone.*

**IRCC Meeting Minutes**

September 4, 2008

*Minutes recorded by:*

*George Nauck, Secretary*

*No Quorum / No Business / Open Meeting*

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**Here is an article from the R/C Battery**

**Clinic by CL "Red" Scholefield**

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

*Provided by: Larry Loucks*

**Using a Timer Can Improve  
Battery Life**

One of the failure modes in Ni-Cad cells is shorting. While many things can contribute to shorting one of the significant contributors is cadmium migration through the separator where it forms a conductive bridge, ultimately shorting the cell.

Cadmium migration is a function of the time the charge current is flowing through the battery and less a function of the level of current. Therefore we have found that high pulses of charge current to maintain the charge state are better than a steady low rate (trickle) current. This is very difficult to quantify as there are many other factors contributing to the life equation but improvements in battery life of 10 to 20 percent by pulse charging vs trickle are not unrealistic.

Therefore we have found the sustaining a pack at the fully charged state by way of pulsing the charge is better than a continuous trickle charge. Some charges employ this technique. You can do the essentially the same thing rather simply and at a very low cost.

Simply connect your regular wall module charger that came with your system to an appliance timer. Intermatic makes a good unit for around \$5.00. Set the trigger pins

on the timer so that it is on for 1 hour a day. When you return from a flying session turn the timer wheel so that the on off triggers come up in 14 to 16 hours. Then turn the timer knob to on. This will give your pack a full charge and then a sustaining charge for 1 hour a day. The battery can be left in this manner for a long time between flights and still be maintained at a fully charged state with minimal overcharge.

If you only fly a couple of flights, you can just set the timer so that you get 6 or 8 hrs before you go into the 1 hr.day mode. If we assume a normal 2 hr flight time for a system and you only fly 20 minutes. Then the charge you need to return is 20/120 times 16 hours, or about 3 hours.

Know what your system consumes in the way of energy per minute of flight. This can be determined by first charging a pack and then discharging it on a cyclor to determine how much capacity it has - fully charged. Then recharge and go fly. Record your system on time and immediately discharge the pack when you return home. This will tell you how much capacity you have left.

Lets say you fly for 40 minutes and when you discharge the pack you get 390 mAh. From your initial discharge from a fully charge pack you got 585 mAh. This would mean that you discharged 195 mAh in the 40 minutes you flew or about 5 mAh/min. From this you would know that your pack is good for 116 minutes of flight time under the actual flight loads.

Now we don't want to take it this close so give yourself (and your plane) some margin of safety -25%. So this would set your SAFE flight time to 75% of 116minutes or 1 hour 27 minutes. This should be done for each plane. Also it should be done for your transmitter at least once just to accurately characterize its "flight time". The system usage will vary,

The IRCC monthly club meeting will be held at FTE near the Lakeland Airport. The next meeting will be on Thursday October 2<sup>nd</sup> and starts promptly at 7:30pm. Remember to bring a chair - if you want to have a seat.

depending on your flying style, size of the plane and number of servos used.

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### Just One Vote!

by Jim Cherry, AMA Executive Director

Soon all current AMA members will be receiving their 2009 membership renewal notices and 2009 election ballots. In a cost-saving effort, the renewal notices and election ballots will be mailed together. The ballot will be a postage-paid post card to encourage members to participate in the elections.

This year, the Executive Vice President's (EVP's) modified job description, which you can find on page 159 of the October 2008 MA, will go into effect. This new direction for the post takes it from being the AMA's financial advisor to assisting the AMA president, Executive Council, and executive director. This change will be challenging, and your vote will help determine who will fill this most important volunteer position.

Members in Districts II and III are having elections for the position of District Vice President (VP). Districts VII and XI are also scheduled for VP elections, but the incumbents are running unopposed.

Ballots will be mailed to all members to vote for the EVP position and to those who live in districts that are having VP elections.

Please note that the post-card ballots are to be returned to a different address than the dues renewals. Please don't include your ballot in your dues-renewal envelope.

AMA elections have not been a membership priority. If you don't think your vote counts, look what one vote has done in the past.

- In 1916, *one vote* won Woodrow Wilson the presidency by carrying California.
- The purchase of Alaska from Russia was ratified in 1867 by just *one vote*.
- One of the most important and least-cited single-vote decisions took place shortly after the American Revolution. In 1776, *one vote* gave America the English language instead of the German language.
- In 1923, *one vote* gave Adolf Hitler leadership of the Nazi party.

Don't know who to vote for? Campaign statements will be included with the ballots. Become informed, but most of all, *vote!*

Or you can save time and postage by renewing online at [www.modelaircraft.org/joinrenew.aspx](http://www.modelaircraft.org/joinrenew.aspx).

Do you know of someone who is thinking about joining the AMA? If that person does so after September 15, 2008, he or she will receive the membership for the balance of 2008 and all of 2009 for one \$58 fee. →

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### TIPS FOR CLUBS Fun-Fly Idea for Your Club

Need a new idea for your club's Fun Fly? Here is an idea for an event called the Bean Counter from the Prop Masters R/C Aero Club of Downers Grove, Illinois.

**How it works:** Each pilot is given a paper cup, some rubber bands, wooden dowels, and 20 beans, 10 for an electric. The beans are placed in the cup. The cup is attached to the model. Rubber bands and dowels will be supplied but pilots can attach the cup in any manner they choose. The cup can be placed anywhere on the model as long as the beans are not prevented from falling out of and free from the cup in any way. Nothing can be placed in the cup to prevent the beans from falling. Generally we recommend mounting the cup forward of the CG point. The pilot takes off and then must fly a specific set of maneuvers for his class while trying not to loose any beans. The pilot completing the maneuvers and landing with the most beans remaining in his cup is the winner.

**The rules:** Each pilot must fly the prescribed maneuvers for his class. The pilot, who after completing the maneuvers and landing has the most beans remaining in his cup, will be the winner. The pilot having the second most number of beans will finish second and so on. First, second, and third places in each pilot class will be awarded points as follows: 30 for first, 20 for second, and 10 for third. Duplicate bean counts will be awarded duplicate finishes.

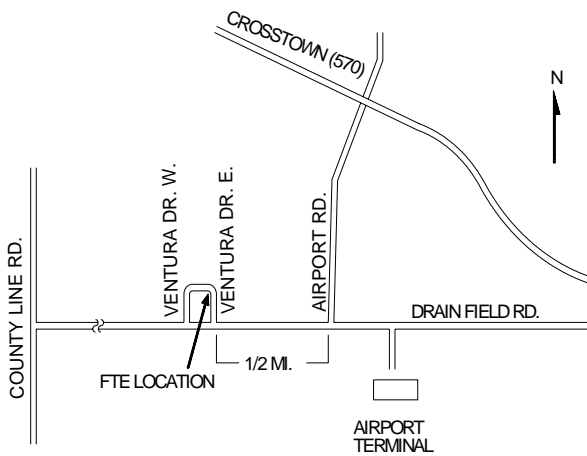
#### Flight maneuvers by class:

Beginners: Fly at least one circuit of the field.

Novices: Fly two or more circuits of the field and perform one loop.

Advanced: Fly three or more circuits of the field and perform two loops.

Experts: Fly four or more circuits of the field and perform three loops. →



Please **DO NOT PARK ON THE GRASS** at FTE or his neighbors.

### Coming Area Events

#### **IRCC Fall Pylon Race "Mulberry 500"**

October 11 – 12  
Rick Ruede:

[Richard.Ruede@lakelandgov.net](mailto:Richard.Ruede@lakelandgov.net)

Scott Smith:

[ssmith@hansonwalter.com](mailto:ssmith@hansonwalter.com)

#### **29<sup>th</sup> U.S. Scale Masters**

Sarasota R/C Squadron  
October 9 - 12

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

#### **Monster Planes USA**

Lake Wales Airport  
October 17 – 19

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

#### **4<sup>th</sup> Annual Zephyr**

Electric Fly-In Festival  
Zephyrhills Can Am Flyers  
October 24 – 26

[www.zephyr.info](http://www.zephyr.info)

Dick Scott

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#### **15<sup>th</sup> Florida International Jet Rally**

Lake Wales Airport  
October 30 – November 2  
[www.floridajetflyers.com](http://www.floridajetflyers.com)

#### **IRCC "Heli Spectacular"**

Mulberry, Florida  
November 7 - 9

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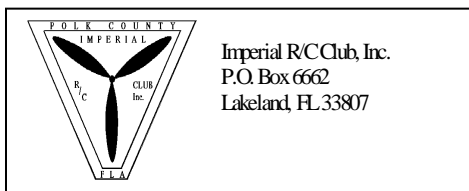
#### **IRCC IMAA Winter Rally**

Mulberry, Florida  
December 6 - 7

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Don't  
forget the  
stamp

**OUR NEXT MEETING IS: October 2<sup>nd</sup>**

*Check out the directions to our meeting place.*