



# The R/C Spinner

Volume 07 Issue 6

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See it on the Web @ [WWW.BARKS.US/](http://WWW.BARKS.US/)

## Next Meeting

**Our June monthly meeting will be held at the Idaho Pizza Company at 6840 Glenwood and corner of State St., on June 21, 2007. The meeting will begin at 7:30 PM.**

## Next Board Meeting

**The July Board meeting will be held at the HobbyTown meeting room at the HobbyTown USA on Cole Road beginning at 6:30 PM on July 19, 2007. Club members are always welcome. Our thanks to HobbyTown USA.**

## President and Board

**The board will do the holding the vote for acceptance of the revised bylaws this month. Please come and show your support.**

We would also like to welcome Paul Cary as the new board member. We would also like to ask if anyone has any extra ammo cans available to please bring them to a meeting. They are perfect for the extra radios and cords.

***If you have not received your member ship card please contact Karl Watts with your name and AMA #. He will make sure you get one.***

## Welcome to New Members

Kris Long & Terry Miller

## May Fun Fly

This fun fly was particularly windy. The events held were Drag Race, Bomb Drop, Balloon Chase, and Carrier Landing. During the Bomb Drop, Scott the guest from Twin Falls made the fatal mistake of watching his bomb instead of his plane, and nose dived it straight into the runway. It was a sad but spectacular crash. The winners of the coupons were Keith Adams, Don Irwin, Scott (the guest), and Dallas Cravens.

# Other News

## **Annual Dues are due by June 30<sup>th</sup>**

Make your check payable to BARKS and mail it to the following address:

BARKS  
P.O. Box 8685  
Boise, ID 83707

These dues are for the upcoming year covering July 1, 2007 thru June 30, 2008. Whether you owe \$40 or \$60 depends on your having prepaid the \$20 annual runway assessment.

Please get your payment to BARKS by the end of this month so we can email you the new lock combination which will be changed shortly after July 1st. Contact our treasurer Dallas Cravens 322-8315 or Ed Heitzeberg 343-1437, if your payment records do not agree.

**It is certain that combos will change in July. Only the officers are allowed to give out the gate combo. Do not give out the gate combo to those who have not paid their dues. Have then call any of the officers and they will be able to assist. A phone number will also be posted at the gate.**

Due to belated annual dues payments by many club members, the club approved changes to the bylaws last September. These changes, below, reduced the grace period for paying dues late without penalty.

*By-Law change: Article IV*

*Section 3: This section is to become effective June 30, 2007. Members who have not paid dues and/or assessments by June 30 will immediately lose all privileges in the society. Members will have 30 days to pay back dues and/or assessments with no penalty. After 30 days back dues, and/or assessments, and 1/2 of the initiation fee will be required to reinstate. Members who are 60 days in arrears will have to pay dues, and/or assessments, and full initiation fee to reinstate.*

## Did You Know?

### **Li-Poly Battery Basics**

**By Paul Gentile from the Monmouth Model Airplane Club, Inc. Keansburg, New Jersey**

The popularity of electric-powered aircraft has soared (pun intended) over the past few years. Part of the reason behind the recent popularity has been the advent of Lithium Polymer or Li-Poly batteries.

Li-Poly batteries pack a high energy-to-weight ratio when compared to their Ni-Cad and NiMH battery cousins. This stored energy has good and bad potential, and we will touch on both here.

Li-Poly battery cells are 3.7 volts, as compared to Ni-Cad and NiMH batteries which are 1.5 volts per cell.

When Li-Poly batteries are wired in parallel, they do not discharge like other batteries. In addition, when you wire cells in parallel, each cell only sees half the total current, or amp draw.

Total current is very important for Li-Poly batteries and is identified with a C rating. You may see Li-Poly batteries advertised as 3C, 6C, 8C, and 10C.

This means that a 3C 1500 mAh (1.5 amp) Li-Poly battery pack should never be discharged at a rate higher than 3 x 1500 mAh or 4500 mAh (4.5 amps).

Discharging a Li-Poly beyond this rating could cause damage to the cells or even fire. A very serious concern.

Changing a propeller on your airplane can change the current draw and cause higher than expected discharge rates. So it is beneficial to have a current meter on hand. The manufacturer's specifications for the motor, speed control, and propeller combination you are running also come in very handy.

The other letters on Li-Poly packs refer to S for serial wiring of cells and P for parallel wiring of cells.

A 3S pack would be 3.7 volts x 3 cells = 11.1 volts. A 3P pack would mean three parallel cells, or 3.7 volts and a higher C rating. A 3S 3P pack would have 3 cells in serial (11.1 volts) and 3 cells in parallel.

Li-Poly batteries also do not require cycling, or discharging like other batteries. In fact, you never want to cycle down Li-Poly batteries. You should always leave a partial charge, to avoid damage.

Chargers and speed controls should always be rated for Li-Poly use. Do not attempt to use your Ni-Cad or NiMH equipment. An improper charge rate could cause a Li-Poly pack to explode and burn at over 2000 degrees. A non Li-Poly rated speed control could cause over discharge and cell damage.

Here is a list of dos and don'ts for your Li-Poly packs:

- Never put your Li-Poly packs in water and never put water on the packs.
- Don't leave your Li-Poly batteries unattended while charging. See [www.modelaircraft.org](http://www.modelaircraft.org) for this year's list of people whose cars and houses have burned down while leaving packs unattended during charging.
- Don't puncture or short out Li-Poly batteries.
- Don't fully discharge your Li-Poly packs, this will damage the cells.
- Don't put the Li-Poly battery in your car, or leave it in your airplane after a crash. If the battery is damaged internally, you may not notice. According to the AMA, several members' cars have already burned up this year due to this scenario.
- Do use common sense and respect the energy that is stored in that little package.
- Do follow all manufacturer ratings and specifications for use and storage.
- Do store your Li-Poly packs in a fire-proof container.

Li-Poly batteries are used everyday safely in cell phones, laptops, consumer electronics, and iPods. In our hobby, we are pushing these batteries to their limits, charging and discharging them at high rates and sometimes smashing them into the ground at high speeds. We need to respect their potential and keep it safe.

Enjoy the power and convenience of electric flight with Li-Poly batteries; I do. Just respect the energy stored in that little Li-Poly package and it will reward you with some of the fastest, 3-Dest (if that is a word), most fun flying you will have.

### **Li-Poly Quick Reference**

C = Current

S = Serial

P = Parallel

### **Li-Poly Cell Voltage**

Cells x 3.7 = voltage

1 cell = 3.7 volts

2 cells in series = 7.4 volts

3 cells in series = 11.1 volts

MAh = milliamp hour rating of a battery's capacity under load. 1000mAh = 1 Amp

## Tips & Hints

### Propeller Hang

This is probably one of the more difficult maneuvers to master, but once you get it right, it is probably one of the most spectacular. The object is to fly along slowly then pull to a vertical position, allow the speed bleed off giving it throttle to keep the model in a stationary vertical position.

Keeping the model in a vertical state while hovering still requires a lot of work with throttle, rudder, elevator, and a little aileron, the torque from the motor tends to make the model start torque rolling.

Practice this at a safe altitude and once you can hold your aircraft in a stable propeller hang as well as be able to fly out of the maneuver without losing any height, you can slowly start practicing at a lower and lower altitude. This maneuver requires enough power to be able to climb vertically out.

—*both from the Suffolk Aero Modelers, Bay Shore, New York*

### GLAD Press 'N Seal

Plastic wrap makes a great masking medium for spray painting. It is sticky on one side and will stick to itself, or the item you want to paint. It is much easier to work with than paper because it clings to the surface without lifting the paint off when removed.

—*From Flightline, Casper Airmodelers Association, Casper, Wyoming*

### Table of Excuses

Please give excuse by the number in order to save time

1. I didn't know you were waiting for the pin.
2. Did you see my airplane get glitched?
3. I ain't got it.
4. I have more crashed because of bad radios.
5. That airplane was always squirrely.
6. I don't know who did it, but someone must have turned on their transmitter and shot me down.
7. I just lost control; everything went dead.

8. I thought I was on the field.

9. That's that only time I ever left my transmitter on. Can you help me pick up the pieces?

10. I didn't know you were in the landing pattern, next time I'll look before I taxi out. Do you think it can be repaired?

Optional- I didn't realize I was that low when I flew over the pit area. Is three models a record?

## Calendar of Events

<u>Meeting</u>	<u>Date</u>	<u>Time</u>	<u>Location</u>	<u>Event Lead</u>	<u>Contact #</u>
June Club Meeting	6/20/07	7:30 PM	Idaho Pizza on Glenwood	Karl Watts	938-1738
June Fun Fly	6/24/07	10:30 AM	BARKS Field	Ken Iley	
July Board Meeting	7/11/07	6:30 PM	HobbyTown -Cole & Ustick	Karl Watts	938-1738
July Club Meeting	7/19/07	7:30 PM	Idaho Pizza on Glenwood	Karl Watts	938-1738
July Fun Fly	7/21/07	10:30 AM	BARKS Field	Keith Adams	861-7006
Aug Board Meeting		6:30 PM	HobbyTown -Cole & Ustick	Karl Watts	938-1738
Aug Club Meeting		7:30 PM	Idaho Pizza on Glenwood	Karl Watts	938-1738
Aug Fun Fly		10:30 AM	BARKS Field	Chris Ingram	
Sept Board Meeting		6:30 PM	HobbyTown -Cole & Ustick	Karl Watts	938-1738

## Other AMA Events

### Bilings Flying Mustangs Fly In

MT

6/22/07-6/24/07 - Billings, MT (C) Billings Flying Mustangs Fly In. Site: Club Field. Dennis Rollins CD, Box 80411 Billings MT 59108 PH:406-652-5026 email: rollins29@bre...[\[more details\]](#)

### Eastern Idaho Aero Modelers Annual RC Airshow & Fun Fly

ID

6/23/07 - Pocatello, ID (C) Eastern Idaho Aero Modelers Annual R/C Airshow & Fun Fly. Site: Club Field. Don Geisler CD, 303 Los Altos Pocatello ID 83201 PH:208-233-0728....[\[more details\]](#)

### LSF Thermalitis

OR

6/23/07-6/24/07 - Fairview, OR (A) LSF Thermalitis for 442, 444, 460 (O). Site: Blue Lake Park. Tom Culmsee CD, 2607 SW Linneman Dr Gresham OR 97080 PH:503-358-8421 email...[\[more details\]](#)

### Jim Parsons Memorial Stuntathon

WA

6/23/07-6/24/07 - Puyallup, WA (AA) Jim Parsons Memorial Stuntathon for 321, 323, 324, 325, 326 (JSO). Site: Pierce County Airport. Howard Rush CD, 14321 SE 63rd St Bell...[\[more details\]](#)

### Oregon Aerobatic Challenge

OR

6/23/07-6/24/07 - Molalla, OR (AA) Oregon Aerobatic Challenge for 401-406 (JSO). Site: Sharps Green Acres. Bill Carder CD, 10921 SW 62nd PI Portland OR 97219 PH:503-977-...[\[more details\]](#)

### Blg Birds Over Woodburn

OR

6/24/07- Woodburn, OR (C) Big Birds Over Woodburn. Site: Club Field. Terry Criswell CD, 4950 Wallace Rd NW Salem OR 97304 PH:503-378-0473 email: terry@dusterrclub.com. Fi...[\[more details\]](#)

### **RAMS/PSEMF Electric Fly In**

WA

6/23/07-6/24/07 Sumner, WA (A) RAMS/PSEMF Electric Fly In. Site: Club Field. Randy Smithhisler CD, 1703 105th Ave Ct E Edgewood WA 98372 PH:253-927-4672. Longest runnin...[\[more details\]](#)

### **Big Bird Fly In**

WA

6/23/07-6/24/07 - Deer Park, WA (C) Big Bird Fly In. Site: Deer Park Airport. Ray Care CD, 4115 N Belt Spokane WA 99205 PH:509-328-7309 email: r5care@aol.com. \$10 landi...[\[more details\]](#)

### **Olympia Capital**

WA

6/23/07-6/24/07 - Olympia, WA (C) Olympia Capital. Site: Club Field. Rick Sowell CD, 140 Beacon Hill Dr Hoquiam WA 98550 PH:360-532-5773 email: rsowell@techline.com. Visi...[\[more details\]](#)

### **Alpine Soaring**

OR

6/28/07-7/01/07 - Joseph, OR (C) Alpine Soaring. Site: Mt Howard. Wil Byers CD, 3448 Eastlake Dr W Richland WA 99353 PH:627-5224 email: [wilbyers@quietflyer.com](mailto:wilbyers@quietflyer.com).

### **Sage Trimmers Cross Country**

NV

6/29/07-7/01/07 - Battle Mountain, NV (C) Sage Trimmers Cross Country. Site: Club Field. Tom Defoor CD, N Battle Mountain Rd Battle Mountain NV 89820 PH:775-635-2351 ema...[\[more details\]](#)

### **EAA 517 Fly In**

MT

6/30/07-7/01/07 - Stevensville, MT (D) EAA 517 Fly In. Site: Stevensville Airport. Duane Felstet CD, 15655 Mullan Rd W Missoula MT 59808 PH:406-626-4425 email: tbirds10@...[\[more details\]](#)

### **F5B Electric**

OR

6/30/07 - Salem, OR (A) F5B Electric for 601 (O). Site: Salem Sod Farm. Don Pesznecker CD, 5041 Casa Del Rey Dr Milwaukie OR 97222 PH:503-659-9624 email: pesznecker@aol.c...[\[more details\]](#)

### **Etopia Hand Launch Challenge**

WA

6/30/07-7/01/07 - Etopia, WA (A) Etopia Hand Launch Challenge for 441 (JSO). Site: Basin Sod Farm. Douglas Coleman CD, 1311 Cottonwood Dr Richland WA 99354 PH:509-943-...[\[more details\]](#)

# Club Officers

<b>President</b>	Karl Watts	938-1738	<a href="mailto:Karlwatt@sarmc.org">Karlwatt@sarmc.org</a>
<b>Vice President</b>	Tom Farmer	859-2610	<a href="mailto:Racefein@cablone.com">Racefein@cablone.com</a>
<b>Flight Training</b>	Tom Farmer	859-2610	<a href="mailto:Racefein@cablone.com">Racefein@cablone.com</a>
<b>Treasurer</b>	Dallas Cravens	322-8315	<a href="mailto:dallascravens@bc.com">dallascravens@bc.com</a>
<b>Secretary</b>	Ed Heitzeberg	343-1437	<a href="mailto:eheitzeb@cablone.net">eheitzeb@cablone.net</a>
<b>Newsletter</b>	Kelly England	859-2091	<a href="mailto:Kewdee@cablone.com">Kewdee@cablone.com</a>
<b>Field Maintenance</b>	Jerry Kent	367-0304	<a href="mailto:rcaviator@cablone.net">rcaviator@cablone.net</a>
<b>Scale Airplanes</b>	Claude Tanner	345-2643	<a href="mailto:Ctan366@msn.com">Ctan366@msn.com</a>
<b>Safety Officer</b>	Jerry Kent	367-0304	<a href="mailto:rcaviator@cablone.net">rcaviator@cablone.net</a>
<b>Web Master</b>	Mike Riggs	343-0827	<a href="mailto:astropuppy@hotmail.com">astropuppy@hotmail.com</a>
<b>Librarian</b>	James Spencer	321-7873	<a href="mailto:jspencer@spencerdomains.com">jspencer@spencerdomains.com</a>
<b>Directors</b>	Keith Adams	861-7006	<a href="mailto:Kmadams47@msn.com">Kmadams47@msn.com</a>
	Jerry Kent		
	Ken Iley		
	Paul Cary		

## 2007 Fun Fly Schedule and CDs

June	Ken Iley	Sunday	6/24/2007	10:30 AM
July	Keith Adams	Saturday	7/21/2007	10:30 AM
August	Chris Ingram	Sunday	8/19/2007	10:30 AM
September	Karl Watts	Saturday	9/22/2007	10:30 AM
October	Don Irwin	Sunday	10/21/2007	10:30 AM
November	Jerry Kent	Saturday	11/17/2007	10:30 AM

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