

Thrustline

Springfield Model Airplane Club September 2009



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Don Friessan

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Richard Baker

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Bruce Shaw

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Joe Ferrara

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Buzz Massey

Jim Miller

Neil Perkins

Safety Officer

Mike Harter

Field Marshal

Don Barnes

Mower maintenance

Steve Kianka

Newsletter Editor

Azarr

QUICK LINKS

From the Editor:

The Board of Directors has proposed that we purchase a Harbor Freight solar power system like the Urbana club has been using to make 12V available at the shelter. The cost will be in the \$200 range. A motion was made and will be voted on during the meeting on Sep 1st.

The fiberglass table we have under the shelter is working out well and we're considering adding another. If you're using it to assemble or disassemble glow planes, please be courteous and wipe it down when your done so that the next person doesn't have to.

If you're interested in Jets, Columbus is the place to be on 10-13Sep. I missed this last year, thinking it was a local event. Should have know better with Terry Nitsch as the CD. All the big names in the jet arena were there, Violett, Hoffman Magnetics, Chris True, the movers and shakers in the electric jet field. Everything from micro jets to 4Kw monsters.

Suggestions/Articles/For Sale items are always welcome - Deadline the 20th of the month.

Azarr

Next Meeting: Tuesday 7:00PM Sep 1st 09 - at the flying field

Meetings will now be held at the flying field, weather permitting. In case of inclement weather, we will meet back at the Asbury Methodist Church

NOTE THE **TIME CHANGE** FOR THE OUTSIDE MEETINGS

From the Secretary: Minutes from the Aug meeting

SMAC meeting August 4, 2009

Place: Asbury United Methodist Church

Time: 7:00 PM:

Attendance: 15 members

Note this meeting was called to order by our VP Richard Baker

Secretary's report was read by Bruce Shaw and accepted as read.

Treasurer's report was read by Joe Ferrara and accepted as read.

Old business:

Flowers for Roger and Phyllis Peck

The club received a card from them basically saying how much they enjoyed the beautiful flower arrangement it brought back so many lasting memories of our good times at SMAC. Even thou Roger still has Alzheimer's disease and a 2nd bout of cancer we still feel blessed. We

[SMAC Web Site](#)
[SMAC Flying Field](#)
[Academy of Model Aeronautics](#)

plan to visit one of your meetings soon. Roger appreciates being an honorary member of the club. Sincerely Phyllis and Roger (Editor's note: Roger is a club Life Member)

Insurance for the lawn mower:

The insurance for the lawn mower is due August 9, 2009. The amount due is \$123.00. The question is do we want to continue to insure the mower? After some discussion a motion was made to continue the insurance. The treasure will send in a check for the premium due.

Safety code:

Don says that he will be taking care of the sign He has spoke to the AMA about it and it should be on its way to us. He will also be putting it in place. The sign is setting straight now.

Club picnic:

SMAC will be having a club picnic September 13, 2009 with a rain date of September 20, 2009 (Editors note: The flying will start at 10:AM, please bring a covered dish)

New business

Charging stations

At the board meeting an idea to put in charging stations was discussed this is being done all ready at the Urbana flying site in Urbana, OH they are using solar panels from Harbor Freight

[Harbor Freight Web Site](#)

The kit cost \$219.99, we would also need to add a 12Volt battery \$70 and #6 wiring.

The question is do we need this? Do you want this? If you have an opinion please come to the next meeting.

Tree trimming

There is a branch on the tree that needs to be cut off, Buzz has volunteered to take care of this.

A thank you to our newsletter editor for putting in a list of current events in the area.

No other business, the meeting was closed.

The next Club meeting is scheduled for Tuesday September 1, 2009 at 7:00 PM at the SMAC FIELD or if the weather is bad at AsburyUnitedMethodistChurch. 104 E. Clark Street (Rt. 41) North Hampton, OH45349. As of this writing there is no board meeting scheduled. Please see a club officer if you have an issue you think should come before the board.

Respectfully Submitted

By Club Secretary Bruce Shaw

Event Schedule

NON FLYING

Oct 25 - Greenville OH Swap Meet

NOTE: A small indoor facility is available for flying. The space is 30 x 60 x 12, so small park flyers or heli's only.

Nov 7th - Swap meet - Grove City, OH

Nov 14th - Swap meet - Piqua, OH

Nov 27th - SMAC Swap Meet - VFW, Springfield, OH

FLYING

Sep 4 - 6 DOGS Fly In Wright Patterson AFB OH

Sep 10-13 E Jets International (Elec Ducted Fans) Grove City, OH

Sep 12 -13 - Cold Cash Speed Bash Dayton, OH

Sep 13th - Club Picnic (rain date Sep 20th)

Sep 18 - 20th NEAT Fair - Downsville NY

Sep 25 - 27 Ohio Dawn Patrol - AF Museum

Sep 27th - WORKS Club - Super Scale Sunday

Oct 3rd - WACO Barnstormers Fly In - Troy, OH

Oct 3 - 4 - West OH Stunt Contest - Dayton, OH

Oct 16 - 18th KEIF - Muncy, PA

Nov 6 - 8th JR Indoor Fest - Columbus, OH

Dear Ready Kilowatt

Dear Ready:

The prices on LiPoly batteries keep coming down, but they're still not cheap. How should they be maintained?

(signed)

E Challenged in North Hampton.



Dear Frugal Friend,

Well maintained lipo's will give service for quite a while. I could write a book on the care and feeding of lipo's, but here are the basics: My understanding of lipo's comes from the battery forum on RC Groups and in particular from "everyday flyer", Charles, whose second hobby is battery testing. You'll find conflicting advice, but these guidelines work.

Storage: Lipo's should not be left fully charged for over a week. They should be stored at approximately 3.85volts per cell in a cool location. (40 deg is ideal, so a spot in the fridge is great) I've overwintered mine in the fridge and come spring they perform just as they did in the fall.

Discharge level: Long term testing has shown that drawing a lipo down to a level below 20% of it's capacity or lower (e.g. < 200mah on a 1000mah pack) will cause an increase in internal resistance and decreased life span. There is some evidence that the newest 5C charge capable cells can be discharged lower, but they haven't been around long enough for long term testing.

Handling : I know, I know, you've seen people using lipo's with dents,

creases, whatever and they seem to get away with it. Lipo's are fragile, every crease, ding, etc creates a pressure point which leads to accelerate salt crystal growth. Personally I discard cells like this, but, if you insist on using them be extremely careful both in charging and discharging them. (Editor's note: is a insert your \$ figure here battery worth the potential loss of your plane or worse?)

Newly purchased lipo's: The first thing you should do is check the voltage, all cells should be in the 3.7-3.85v range. If one or more is lower I wouldn't try to charge it, I would just ask for a replacement or refund. Lipo's should be treated gently for the first 10 charges or so and the internal resistance will normally decline as the "break in" period concludes. I'm always gentle on the first flights, never fly to cut off and charge them back at 1C even if the cell's are rated for higher charge rates. Conservative yes, does it work, yes.

Charge Rates: The standard charge rate has been 1C since lipo's were introduced. With each new generation the manufacturers have increased this figure until now, the newest cells can be safely charged at 5C.

Ready's rule of thumb re charging. All common sense really.

- A. At home: I always charge at 1C
- B. At the field. I charge at the highest charge rate listed on the label. If there's no charge rate listed on the label - charge at 1C.

Ready

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