



SANDERSON FIELD R.C. NEWS

Scale fly-in July 21st Potluck



CHARTER NO. 3079

CLUB MEETING

*This months meeting will be held
on Thursday July 12th at 7:00 p.m.*

at The Field

Last month's meeting was pretty short. We voted on having a club BBQ in August and retrying the Walmart display as we were rained out in June. I will get an article in the Journal, hopefully in the right section of the paper. The Walmart display will be on July 14th, during the second weekend of the drag races and we will invite the public to the scale fly-in on July 21st. The BBQ will be on August 11th. **UPDATE:** The Walmart display has been cancelled, the school field in not available until late August.

We're on the Port's calendar for the BBQ in Aug. but bear in mind they can change it with one weeks notice.

On my recent trip to Phoenix, I visited the Commemorative Airforce Museum. I was hoping to visit the Champlain Fighter Museum at Falcon field in Mesa but it was no longer there. In talking to one of the volunteers at CAF, I found out a large percentage of the planes were bought by the

Museum of Flight in Seattle. There



was lots of interesting stuff but not too many planes. They did have a B-25 just about finished.

I took a couple of pictures while there.



I just want to remind everyone, during the summer months when we try to have the meetings at the field, if for what ever reason no one is there we will be at the PUD. This month the drag race equipment will be set up, it might be a little hard to fly except up at the North end.

I heard a rumor that the drag races may be on the active runway side of the fence next year, lets keep our fingers crossed!

This remote control target drone had a 17 cubic inch engine two props and a flight time of 1 hour. A ceiling of 8000' and a price tag of \$1500. About 9500 were produced.

The issue of field use is really messed up and I apologize for that but there is not much I can do about it. I would say that if you want to fly come down and see if any one is there or maybe call the Port and ask them. If they start getting a bunch of calls maybe they'll give me better information.

For those who didn't visit the Gathering of Warbirds at the Olympia airport, check out the picture on page 4. It says it all!

THE LOCK HAD TO BE CHANGED LAST WEEK, IT HAS BEEN RE-KEYED SO YOUR OLD KEY WILL WORK. IF YOU SHOVE THE KEY IN ALL THE WAY IT MAY NOT WORK, JUST PULL IT OUT 1 CLICK AND IT WILL WORK FINE.

THE SCALE FLY-IN ON JULY 21ST WILL BE POT LUCK, PLEASE BRING YOUR FAVORITE SIDE DISH OR DESERT.

Security Advisor Reminder

As a service to our members, and as part of our ongoing efforts to work cooperatively with all agencies responsible for the security of our nation, we are providing the following information. The content of this document was last presented on the Academy of Model Aeronautics (AMA) Web site in 2003 and is issued again here for all to review.

In the event you are approached by anyone representing a local, state, or national agency responsible for national security, we recommend and encourage your cooperation. Once the representatives have established their identity, and any legitimate officer or investigator will do this, cooperate by answering their questions honestly, politely, and with care. Please take these inquiries seriously, and don't forget the impact your answers and attitude could have on your flying privileges, not only locally but nationally.

In addition, some suggestions to keep in mind when flying your model aircraft are:

- Do not fly alone. The chance of being questioned about your actions may be increased if you are seen flying alone.
- Fly only at AMA chartered club facilities or established sites administered by such entities as privately owned, city, county, state, and/or federally owned sites specifically designated for model aircraft operations.
- Make certain that local authorities are aware of any and all scheduled flying events such as fly-ins, contests, etc., including the dates

and times of operation.

- Upon request, be prepared to provide personal identification and, if appropriate, a current AMA membership card.
- Always remember to direct any and all questions to the Academy of Model Aeronautics, your national organization, for additional information. We have a good rapport with the agencies responsible and will be more than willing to assist at any level necessary. Establishing a good working relationship with such agencies is important not only to our national security but to the efforts put forth to maintain our privilege to continue participating in the sport we all cherish. Media Advisory In today's tense atmosphere of terrorist threats, possible military actions, etc., there appears to be exuberance on the part of news agencies and individual reporters to gather information concerning the use of model aircraft as possible security risks. Many times, in an effort to take advantage of the opportunity to garner some public exposure for their local flying activities, the members are surprised when the news release does not resemble what they had assumed would be published. This results in negative press for the sport and local participants, and may spread misinformation.

As a service to all AMA Chartered Clubs, we are suggesting that if you or your club are contacted by TV, radio, newspaper, or Internet reporters for interviews other than coverage of such activities as fly-ins, mall shows, airport

awareness days, etc., you direct them to the AMA Headquarters for information. If in doubt please err on the side of caution.

Our main purpose for the Advisory was to bring the matter to the attention of our members and remind them of how important it is to be cautious when giving interviews during these times. We are all aware of how communications can be misunderstood or misinterpreted and how reporters can sometimes inject their own perceptions. All we can ask is that anyone speaking on behalf of our modeling activities be aware of what the consequences of their words might be.

At any time please contact Jay Mealy at AMA Headquarters with questions, comments, or concerns.

Jay Mealy Programs Director (765)287-1256 ext. 270 office (765)749-4841 cell jmealy@modelaircraft.org

Questions for You to Ponder

From the Central Arizona Modelers Inc., Sedona Arizona

- Why** doesn't Tarzan have a beard?
- Why** does Superman stop bullets with his chest, but ducks when the bad guy throws a revolver at him?
- Why** do Kamikaze pilots wear helmets?
- If** people evolved from apes, why are there still apes?
- Why** is it that no matter what color bubble bath you use, the bubbles are always white?
- Why** do people constantly return to the refrigerator with hope that something new to eat will have materialized?

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, 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 me-

ter 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

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

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 do's and don't's 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 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.

CLUB OFFICERS

President	Jody Diaz	(360)427-6102
Vice President	Dick Robb	(360)427-4521
Treasurer	Charles Kentfield	(360)866-9473
Secretary	Bob Beatty	(360)426-5601
Field Marshall	Charles Kentfield	(360)866-9473
Safety Officer	John Tupper	(360)426-6383

BOARD MEMBERS

Board Member	Jody Diaz	(360)427-6102
Board Member	Dick Robb	(360)427-4521
Board Member	Stacy Myers	(360)426-9367
Board Member	Bob Beatty	(360)426-5601
Board Member	Dave Southwick	(360)426-2869
Alt Board Member	Bob Mason	(360)426-9256
Alt Board Member	Chuck Kentfield	(360)866-9473

LI-POLY BASICS (CONTINUED)

- 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 conve-

nience 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.

Table of Excuses

From the D.C. Radio Control Club, Montgomery County Maryland

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?



BOB ANDREW AND HIS SON ENJOYING THE LOVELY WEATHER AT THE GATHERING OF WARBIRDS. RAIN AND WIND PUT A DAMPER ON THE FESTIVITIES THIS YEAR.

IF YOU HAVEN'T PAID YOUR DUES YET IT'S AFTER JANUARY 1ST NOW AND DUES ARE \$40.

IF YOU PAY BY MAIL SEND YOUR DUES, PROOF OF 2007 AMA MEMBERSHIP AND A SELF ADDRESSED STAMPED ENVELOPE TO THE TREASURER:

***CHUCK KENTFIELD
3122 Madrona Beach Rd
Olympia WA 98502***

Make checks payable to SFRFC

July 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 7:00p SFRCF Board Meeting	4	5	6	7
SDSA pre race prep				SDSA Second Annual		
8	9	10	11	12 7:00p SFRCF Regular meeting	13	14
SDSA	SDSA pre race prep			SDSA Mustangs		
15	16	17	18	19	20	21
SDSA						Scale Fly-In
22	23	24	25	26	27	28
29	30	31	1	2	3	4
					Pylon race	

AS YOU CAN SEE THE DRAG RACERS PRETTY MUCH HAVE THE FIRST HALF OF THE MONTH SEWED UP, YOU MAY BE ABLE TO FLY ON THE NORTH END DURING THE WEEK IF NO ONE IS AROUND. ABOVE ALL BE SAFE!

Club Scheduled Events for 2007

- January 1st.....First fly of the year (success in the rain)
- February 11th.....Pylon Race
- March 18thPylon Race
- April 14thSanderson Field RC flyers annual swap meet 9:00 to 12:00 SHS Sub
- May 12th.....Fly-In - 9:00 a.m. to ?????
- June ??.....Forest festival Parade float
- June 9th.....Display at Walmart - rained out
- June 10th.....Public Fly-In 9:00 a.m. to ????
- *July 21st.....Scale fly-in - 9:00 a.m. to ????? Potluck bring your favorite side dish**
- *August 3rd - 5th.....Pylon Race
- August 11th.....Fly-in/BBQ 9:00 a.m. to ??? ? !!NEW!! Potluck**
- September 15th.....Fly-In 9:00 a.m. to ????
- October 6th.....Fly-In 9:00 a.m. to ????
- December ??Christmas Party

These dates are subject to change with 1 week notice.

*These dates are locked in

It's time for 2007 dues, which are now \$40.00 .

You can pay your dues before you get your 07 AMA card but you won't get a club card till you get the AMA card.

Check out our web site at <http://sfrcf.quintex.com>

Sanderson Field R/C Flyers

Scale Fly-In

July 21st 9:00 am to ???

If it's a model of a real plane bring it and fly with our club
No contests or competitions, just having fun. Hamburgers
and hot dogs provided. Please bring a favorite side dish or
desert



North on Hwy 101 thru Shelton, past the main airport entrance.
Turn left on Sanderson way and go to the second gate