



# ROTATE

The Official Monthly Publication of the St. Louis Radio Control Flying Association

## NOVEMBER 2015

### Board of Directors Nominations



Please submit your 2016 SLRCFA board of directors nominations by E-MAIL to [SLRCFA.Rotate@gmail.com](mailto:SLRCFA.Rotate@gmail.com) Please title the email "SLRCFA Board" and include your nominees and your name.

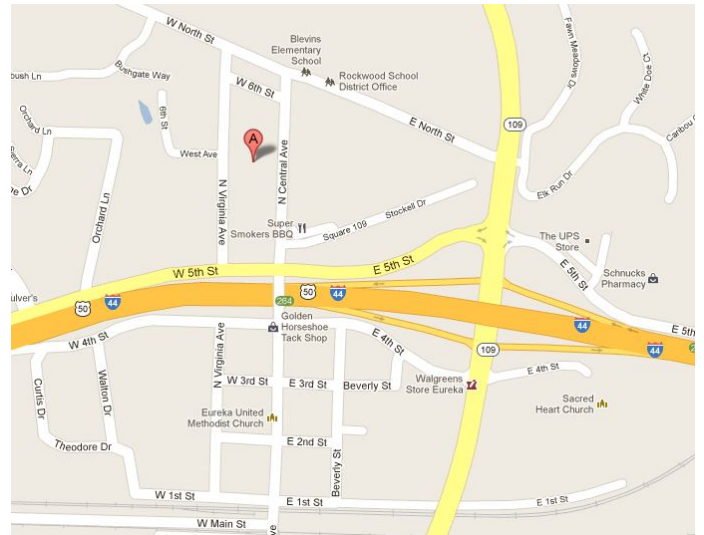
Requirements: **Nominees must be a SLRCFA club member for over one year.** All nominations must be received by November 30<sup>th</sup>, before midnight.

### SLRCFA's December Club Meeting



The SLRCFA December Club meeting will be held **Thursday, December 17<sup>th</sup> at 7:00pm** at the Eureka Central Baptist Church. The

Church is located at 601 N. Central Ave. Eureka, MO 63025.



SLRCFA will be holding its annual gift exchange at the December club meeting. If you would like to participate in the gift exchange bring ONE wrapped gift with a \$15 minimum value. This gift exchange is like nothing anywhere. Pass the Prop...Steal the ARF..... You never know what you are going to end up with.

We will also be collecting **CASH donations** for the Eureka food pantry. Make sure to bring some *EXTRA* cash to help out the local needy.

Members are encouraged to bring a dessert, appetizer, or a dish to pass.

## Purposed Constitutional Changes



Several proposed changes to the SLRCFA constitution have been approved by the Board of Directors. Members will vote to accept or deny the changes at the December 17<sup>th</sup> club meeting at the Eureka Central Baptist Church. The Church is located at 601 N. Central Ave. Eureka, MO 63025.

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## Indoor Flying



Has the weather been keeping you from flying? There is a solution close to home. Many SLRCFA members have been flying Friday nights 6-9pm indoors at the Central Baptist Church in Eureka, MO. All are welcome to fly for \$5 a night, but must be a current AMA member (SLRCFA membership not required). It's a great way to brush on your flying skills, not weather dependent, and Fun!!

Contact: Ron Lawson 636-677-1247 for details

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## Upcoming Events

- December 3rd, 7:00pm SLRCFA Board Meeting @ Poor Richards 108a Hilltop Village Center, Eureka, Missouri
- December 17<sup>th</sup>, 7:00pm SLRCFA Club Meeting and Christmas Party @ Eureka Central Baptist Church 601 N. Central Ave. Eureka, MO 63025
- January 1<sup>st</sup> 9:30am @ SLRCFA Field First Flight of the year



Have an interesting aviation or hobby related story/experience you would like to share? Want to let fellow members know about your latest build? Or perhaps a tip or technique that could help everyone out?

Get it published in SLRCFA's Rotate newsletter. It's simple, send your story and pictures to SLRCFA's newsletter editor via e-mail to [slrcfa.rotate@gmail.com](mailto:slrcfa.rotate@gmail.com) and it will be published in the next month's issue.

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## Reminder

SLRCFA Membership dues are increasing by \$10 for 2016 and are scheduled to make another \$10 increase for 2017.

Please check out the General information section of Rotate for the 2016 SLRCFA membership dues structure.

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### SLRCFA Board Meeting Minutes November 5, 2015

Meeting was called to order at 7 PM with the following members Jonathon Hendrickson, Bob Freukes, Ron Lawson, James Speelman, Shane Eisenbach, Kerry Eisenbach, Mark Stellern, Mike Stellern, Alan Main, and Doug Thompson in attendance. Also club members Dennis Chivetta, Drew Speelman, and Dave Ludwig were present.

1. Treasury report was read and accepted. Balance of \$2853.32
2. Warbird event made \$227.68 profit, after all expenses. SLRCFA will likely move the event up a couple weeks next year.

3. Discussed and approved 2016 budget proposal of \$15820.00

4. Ron Lawson announced his intentions to officially retire from treasurer at the end of this year.

If you are interested in being nominated please let a board member know before the December SLRCFA Board meeting.

5. Increase of SLRCFA's dues for 2016 passed unanimously. They will increase by \$10.

6. Constitution changes were discussed to change officers' positions to have term limits of 2 years. Motion was passed amongst board members and will need to be voted on by general club members at Christmas party.

7. Discussed storage containers and decided to wait and revisit in the future.

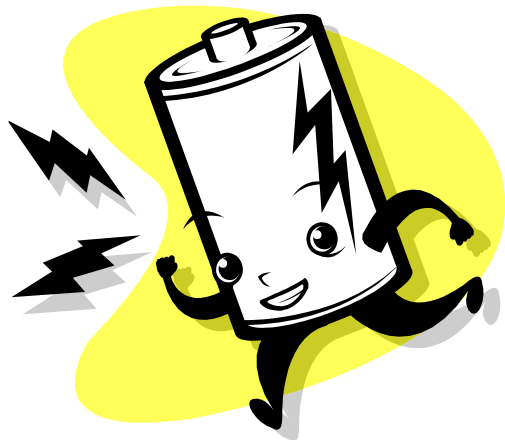
8. Discussed moving pilot stations. Motion passed to not allow flying out of the center of the field. All pilots must be in a flight station that is at correct end, depending on the wind direction.

9. Discussed winterizing field including finding a winter home for the mowers and taking down fan blades.

Meeting adjourned at 8:30 PM

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## Battery Storage



Winter is on its way and you may not know it but your electric planes need some winterizing just like your gas or glow planes. You need to pay particular attention to your batteries. There are several different types of batteries and different storage methods/procedures for each.

### LiPo or Li-ion

LiPo batteries should be stored at about 50% capacity. This is approximately 3.75-3.85 volts per cell. They should be stored in a cool dry location in a LiPo safe bag or fireproof container. To get the best possible capacity retention your LiPo should be stored at 32° F. Storage at this temperature has a capacity loss of 2% per year. Storage at 72° will result in a capacity reduction of 4% per year. A good way to achieve the 32°F storage would be to refrigerate them, but make sure that the batteries are placed in a plastic bag to protect against condensation before putting them in your LiPo safe bag.

LiPo's should always be stored in the method above even during the flying season. It is good practice to charge the battery to full the same day or the day before you are going to use it and then return it to 50% capacity for storage. LiPo's left fully charged will have their useful life drastically reduced.

### LiFePO4

(A123 or Lithium Iron Phosphate)

LiFePO4 batteries store similar to LiPo's, but do NOT need the special LiPo storage bag for fire prevention. However the storage voltage is less at 3.2-3.35v per cell. They should also be stored at lower temperatures like the LiPo's.

Storage Voltages	
LiPo	LiFePO4
6s pack = 22.86v	6s pack = 20.1v
5s pack = 19.05v	5s pack = 16.75v
4s pack = 15.24v	4s pack = 13.4v
3s pack = 11.43v	3s pack = 11.2v
2s pack = 7.62v	2s pack = 6.7v
1s pack = 3.81v	1s pack = 3.35v

### NiMH (Nickel Metal Hydride)

Ni-MH batteries should be kept clean and dry during storage. They can be stored for many months in a charged or discharged state without any detrimental effects as long as they are not exposed to extreme temperatures for any long period of time. After storage the battery should be charged and/or cycled before use.



## GENERAL INFORMATION

### 2014 Board of Directors

Stan King, President.....	314.962.4704
Ken Merrill, Vice President .....	636.671.7320
Shane Eisnebach, Secretary .....	314.226.4231
Ron Lawson, Treasurer .....	636.677.1247
Jonathon Hendrickson, Newsletter Editor.....	815.222.5790
Kerry Eisenbach, Director.....	314.638.8755
Allen Main, Director .....	636.938.5315
James Speelman, Director .....	314.503.4350
Mark Stellern, Director .....	636.458.4874
Mike Stellern, Director .....	636.458.0006
Doug Thompson, Director.....	636.391.7950

### Club Information

The *Rotary* newsletter is a monthly publication of the St. Louis Radio Control Flying Association. Monthly General meetings are held on the third Thursday of the month at 7:30 p.m. at the club field in warm weather. The Club's private field is located at 788 Augustine Road, Eureka, Missouri. Guest/members are welcome to attend the Board meeting the 1<sup>st</sup> Thursday of the month. See web page for details.

### Flying Instructors List

Jonathon Hendrickson.....	815.222.5790
Dennis Chivetta .....	636.391.8071
Mark Stellern.....	636.458.4874
Mike Stellern .....	636.458.0006
Doug Thompson .....	636.391.7950

### 2016 Membership Dues

<b>Annual Dues</b> (includes children under 18 years old).....	\$170
<b>Associate Member</b> (over 75 miles away and Exclusions).....	\$70
<b>Family Dues</b> (includes member + spouse & children under 21 years old or full-time students until 23 years old) .....	\$210
<b>Junior Dues</b> (17 years old or younger).....	Free
<b>Handicapped Dues</b> .....	\$65
<b>Seniors Dues</b> (65 years old and older).....	\$145

Late fee of \$25 assessed to prior members renewing after March 1<sup>st</sup>  
 Make checks payable to SLRCFA. Mail to Ron Lawson, 3225 Rock Creek Road, High Ridge, MO 63049. Any questions call 636.677.1247.

## SLRCFA MEMBERS SUPPORT THOSE WHO SUPPORT YOU

### Schaefer's Hobbies, Arts and Crafts



11659 Gravois Road,  
 St. Louis, MO 63126  
 Phone 314 729 7077

*Just East of Lindbergh,  
 Opposite the Gravois post Office*

Radio Control Airplanes, Boats and Cars

### **Mark Twain Hobby Center**

ST Charles MO *For All the BEST for Your Hobbies*  
 St. Charles MO 63301  
 636-946-2816

Monday through Saturday - 9:30am to 9:00 pm  
 Sunday - 12:00 to 4:30 pm

[www.hobby1.com](http://www.hobby1.com)



**636-600-8735**

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

# Proposed Constitutional Amendments

## 1) Purposed Amendment

Article 4, Section 3 currently reads:

The President, Vice President, Secretary, Treasurer and the Editor of the club's newsletter shall be permanently appointed by the Board of Directors. The Officers and Editor may resign at their discretion or be removed from office by an official act of the Board of Directors.

If amended Article 4, Section 3 will read:

The President, Vice President, Secretary, and Treasurer shall be elected by the Board of Directors for two year terms. The President and Secretary shall be elected for terms beginning in EVEN years, The Vice President and Treasurer shall be elected for terms beginning in ODD years. Officers may resign at their discretion or be removed from office by an official act of the board of directors. If needed, a special election will be held to fill any vacancies for the remainder of the term.

## 2) Purposed Amendment

Article 5, Section 1 currently reads:

The PRESIDENT shall preside at all meetings of the Board of Directors and the Membership, sign and issue checks, coordinate all committee activities, ensure that the role of safety officer is filled, negotiate official business and enforce the Constitution and By-Laws of this Association to the best of his or her ability.

If amended Article 5, Section 1 will read:

The PRESIDENT shall preside at all meetings of the Board of Directors and the Membership, sign and issue checks, coordinate all committee activities, ensure that the roles of safety officer and newsletter editor are filled, negotiate official business and enforce the Constitution and By-Laws of this Association to the best of his or her ability.

## 3) Purposed Amendment

**Purposed change: insert Article 5 Section 7**

If amended Article 5, Section 7 will read:

The Safety Officer shall promote and encourage a climate of safety awareness within the club. The Safety Officer provides a path of communication between the AMA and the club in matters related to safety. The Safety Officer annually completes a safety audit of club facilities, equipment, and grounds to ensure everything is in good working order and safe for normal use by members and the public. The Safety Officer establishes a club emergency action plan to handle serious accidents/incidents and annually reviews emergency procedures with

club members.

#### **4) Purposed Amendment**

**Purposed change: insert Article 5 Section 8**

If amended Article 5, Section 8 will read:

The Newsletter Editor shall publish SLRCFA's newsletter "Rotate," once a month. The Newsletter shall contain the Board Meeting Minutes, Membership dues structure, and Contact Information.