

# The Wright Flyer



Volume 26 Issue 1

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January 2012

Newsletter of the WRIGHT FLYERS R/C Club

Website: [www.joeld.net/wfrc](http://www.joeld.net/wfrc)

## Meeting Highlights

by Leo Davids, WFRC Secretary

On Tuesday, December 13th, the Wright Flyers held the monthly membership meeting at the Monticello Middle School. This was the third indoor meeting of the season.

The meeting was called to order at 7:10 PM by club president Wayne VandenBoom. There were 2 officers and 4 members present.

There was no review of the November meeting minutes.

There was no treasury report available.

An email was sent out to WFRC club members on December 11th by Garth Landefeld seeking volunteers for the 2012 Event Committee. The goal of the committee is to lay out next year's events that the club member can participate in and can be budgeted for the 2012 season. The committee will present a recommendation of events for the club to select and vote on by March of 2012. If you are interested in helping, please contact Garth ASAP. First meeting will be in January. Date, time and location to be announced

Nomination of WFRC club officers for the 2012 terms was initiated, but since there was such poor attendance, voting and installing the new slate of candidates has been delayed until the January meeting.

Wayne VanDenBoom will be stepping down as president after 2 years of excellent service and 5 previous years as Vice President. It was also conveyed that Tom Springer, acting VP was possibly stepping down as well. Tom has also provided a tremendous amount of time and effort this past year in supporting

The next meeting is scheduled for  
**7:00 PM** on Tuesday, **January 10th,**  
2012. It will be held in **Room 29** of the  
**Monticello Middle School.**

Wayne and the club members. We thank them both for their service and continued support.

Drawing from this meeting's attendance and past officers who have not indicated a wish to step down from their office, the nominees for 2012 officers are:

President - Garth Landefeld  
Vice President - Joel Dirnberger  
Treasurer - Perry Dziuk – Assumed  
Secretary - Leo Davids – Assumed  
Safety Officer - Jeff Nelson

If there are others who wish to be considered nominees, please contact any of the current officers, so a ballot slate can be completed at the January meeting and results available to report to the AMA in the charter application.

### Field Maintenance:

As mentioned previously, Tom Springer not only was the VP, but donated his time and equipment to maintain our flying field. This past year the field never looked so good! However, Tom may not be up to continuing that level of support this coming season. Therefore the club must identify viable options to maintaining the field.

Currently there are a few options that are being reviewed:

1. Identify a local lawn maintenance service to maintain the field
2. Revisit the idea of placing a storage shed on the property, equipped with lawn mower and edger
3. Club members to volunteer to cut and maintain the field for agreed upon price

Jeff Nelson is to identify a few local lawn services and possibly obtain some quotes for the members to review. Depending on the cost, the financial impact will be reviewed so dues can be adjusted accordingly to keep the club solvent.

Option 2 not only requires an up front investment, but like option 3, requires club members to actively participate in sharing the responsibility of not only cutting the field, but also maintaining the equipment.

The floor is open for any other ideas to address this huge task. All will be discussed at next meeting.

The meeting was adjourned at at 7:40 PM.

## Upcoming events

*by Leo Davids, WFRC Secretary*

**Marcee Swap Meet** - This electric fliers group is holding their annual swap meet on Saturday, January 28th, from 10 AM to 1 PM at the Immanuel Lutheran Church on 104 Snelling Ave S in St. Paul. Check at their web site, [www.marcee.org](http://www.marcee.org), or contact Steve Mundt at 651-646-2195 for more information.

**TCRC Winter Auction** - The Twin Cities RC club is asking everyone to start assessing their fleet for likely candidates to go on the auction block. The big 36th annual TCRC auction has been scheduled for Saturday, February 11th, 2012. Preregistration for sellers will open on their website in January, 2012. See [www.trcronline.com](http://www.trcronline.com) for all the details.

## For Sale

*by Scott Leiferman, WFRC Secretary*

Scott Leiferman is selling much of his RC hobby equipment that he used for electric powered flying over the past three years.

Here is a list of items:

- Used Pro-Peak Ripmax 120 VAC to 12VDC, 20 amp power supply
- Suppo motor - 1 new 2814
- Used Watts Up meter
- New Deans female pigtail, a few packs of new Deans connectors, new Deans Wet Noodle wire
- New Monokote trim iron
- Many new packs of shrink wrap

- New MPI Arming Switch
- New Electifly 6mm prop adapters
- New Electric wheels
- Used CC Link
- New GWS motor mounts
- New H9 motor mount standoffs
- Used Hobbico ESV
- New plastic spinners
- A couple of used aluminum spinners
- New Calvin peeing on glow fuel sticker
- Used plastic spinners
- Used mechanical retracts
- New Sullivan tail wheel bracket
- A bunch of used glow wheels and tail wheel

I'm also selling a couple of complete electric airplanes:

- Sig Hog Bipe
- Great Planes Extra 300s

Both airplanes are in excellent shape with top of the line components, 1000+ watt electric power systems and are ready to fly minus a 5000-6000 mah 6s LiPo battery.

All of the items are in good shape and the used items are in basically new condition. I have pictures of everything and will post prices if interested (I'm thinking about 50 -75% of retail on everything).

Feel free to call me (Scott) at 612-554-5786 or email with any questions.

## Show & Tell

*by Leo Davids, WFRC Secretary*

Joel Dirnberger put on a great presentation on how to light your plane up for night flying or just adding some scale lighting to jazz up your war bird!

Joel brought in several of his planes that had various LED lighting packages installed and displayed several installation techniques that covered both foam and nitro type planes. During the presentation, Joel identified several kinds of lights on the market today and demonstrated what he uses depending on the types of planes he is lighting. The two prominent ones were, Strip LED's, that come in a 5 meter long roll in a rainbow of colors to choose from. A cost per roll is roughly \$18 to \$25 pending on where online you buy from. Joel's source has been eBay.com, but there are other supplies available and more being added all the time.

A company called Lumifly Lighting (available from HobbyKing.com) puts together a nice LED package that makes this process a little simpler for us beginners. One tip for insuring a reliable installation is

to have a good soldering gun. Joel uses a pencil type soldering iron with a very small tip! This can be a little challenging until you get some practice!

Now before you start installing lights on your aircraft, there is some steps to follow. Based on the type of lights you are using and how they are installed will govern what wiring and power requirements you will need to employ to get the desired illumination.

After you lay out the type lights and number of lights you are going to be using, you should have a way to determine electrical draw (amps). To help with this, Joel "Edison Junior" handed out a chart that gave typical LED power consumption at various voltages.

Once you establish what your battery needs are, Joel provided a diagram of how you might hook up the lighting to the normal electric power systems in an aircraft.

Night flying is becoming more and more popular today. Therefore, there are several manufacturers offering various lights and packages and often they have ads for their systems in the model aviation magazines.

The presentation was very informative and provided various options to help you light the night sky! If you are interested in adding lights to your plane, electric or gas, Joel is available to contact any time for help!

Thanks Joel.

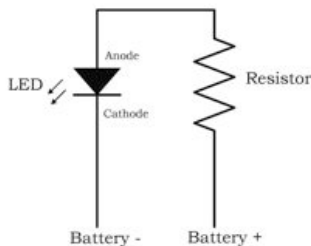
Color	V (led)	I (mA)	V (supply)
Red & Yellow	2	20	5
Green, Blue & White	3	20	5
Red & Yellow	2	20	4.2
Green, Blue & White	3	20	4.2
Red & Yellow	2	20	8.4
Green, Blue & White	3	20	8.4
Red & Yellow	2	20	12.6
Green, Blue & White	3	20	12.6

R (ohms)			
Ideal	10%	5%	Watt
150	180	150	0.125
100	120	100	0.125
110	120	120	0.125
60	68	68	0.125
320	330	330	0.25
270	330	270	0.25
530	560	560	0.5
480	560	560	0.5

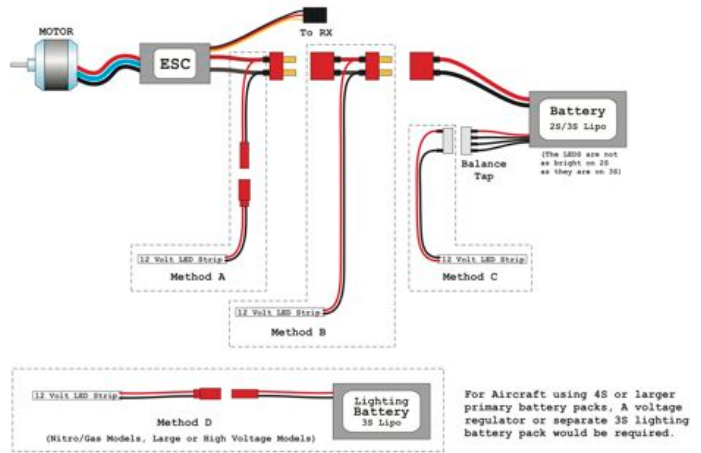
Lipo	Voltage	
	Nominal	Max
1S	3.7	4.2
2S	7.4	8.4
3S	11.1	12.6

Formula  

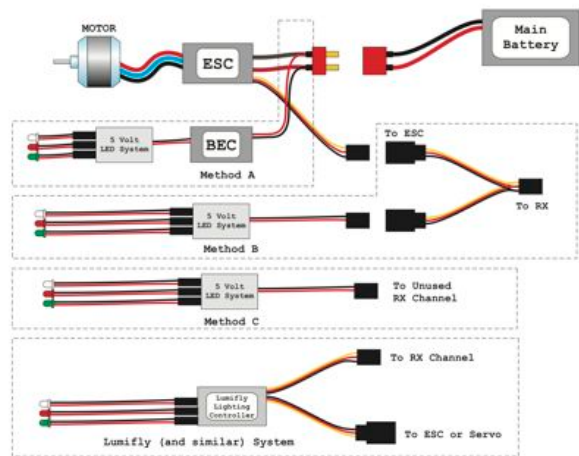
$$R = (V(\text{supply}) - V(\text{led})) / (I(\text{mA}) / 1000)$$



### Wiring Options for 12 Volt Lighting Setup



### Wiring Options for 5 Volt Lighting Setup



## Tips & Tricks

### Cleaning Pushrod Tubes

The oily residue of model fuel sometimes makes its way into the pushrod tubes, which also capture small particles of grit. The oily residue also makes some of the flexible plastic pushrods and tubes swell and soften slightly, which makes operation in curves almost impossible.

A simple cure is to apply a solution of powdered graphite, mixed with mentholated spirits or rubbing alcohol. Holding the model in an appropriate position (thus having one end of the errant tube in an upright position), apply the solution with a syringe onto the rod (or it can be applied to the mouth of the tube while moving the rod in a back and forth motion) to




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## In This Issue

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- ✓ Meeting Highlights
  - ✓ Upcoming Events
  - ✓ For Sale
  - ✓ Show & Tell
  - ✓ Tips & Tricks
- 

encourage the solution to circulate. The mentholated spirits, or alcohol, wash away the oily residue and grit, leaving the graphite behind providing a good lubrication to the pushrod.

—*San Gabriel Valley Radio Control League, South El Monte, California*

### Tools for Beginners

A beginner does not need a lot of fancy tools to do a good job. However, there are a few inexpensive tools that make life easier:

- X-acto blade and holder, usually a number 11 for most jobs.
- Coping saw.
- Razor saw to cut across grain and hardwood.
- T-pins. They come in three sizes, but generally the small and medium sizes are the most useful.
- 18-inch steel ruler is very handy. If the ruler tends to slip when using, try spraying with 3M-77 on the down side. Once dry, it acts as an anti-skid.

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### 2012 Club Officers

Pres ..... Wayne Van Den Boom .....763-443-4440  
 VP..... Tom Springer ..... 612-221-4087  
 Treasurer .... Perry Dzuik .....763-477-6865  
 Secretary .... Leo Davids ..... 763-263-3577  
 Safety Off ... Garth Landefeld .....763-497-0986  
 News Ed ..... Jean Davids ..... 763-263-3577

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### Café Express

Want club logo apparel & other items? Shop here:  
<http://www.cafepress.com/wrightflyersrc>.

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If you have news or ideas for articles you would like to see, you can email me at [jedweb@charter.net](mailto:jedweb@charter.net) or call me at 763-263-3577. Jean Davids

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- 90° plastic triangles for squaring assemblies. (Video cassette boxes are square, will stand alone, and are very useful for holding two parts such as a horizontal and vertical stabilizer when assembling.)
- Sandpaper; aluminum oxide sandpaper is best. This is sold at auto paint stores, has a long life, and is often less expensive than what is found at hardware and model stores.
- Sanding blocks. Always use a sanding pad or block. Various lengths of suspended ceiling tile grid make good, lightweight sanding blocks. (Use 3M-77 spray or rubber cement to attach sandpaper strips to a sanding block. Use a heat gun to loosen the adhesive when it must be replaced.)

—*Jim Kitchen, editor from the Sierra Flyers, Marysville, California*