

# **THE CARRIER WAVE**



## **PHANTOM FLYERS R/C CLUB**



**ama #393 SAINT CHARLES, MO**

**November 2019**

Newsletter of the Phantom Flyers R/C Club

<http://phantomflyersrc.com>

### **CLUB OFFICERS**

### **Contact Number**

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President - Jan Jansen	(314) 921-9420
Vice President - Bill Ahrens	(314) 913-3819
Secretary - Jim West	(618) 498-9058
Treasure - Jose' Espinosa	(636) 947-6067
Safety Officer - Dave Evans	(636) 448-4800
Field Manager - Don Grzina	(636) 233-0193
Chief Flight Instructor - TBD	
Activities Chairperson - Ed White	(636) 441-6431

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### **Send Membership Renewals to:**

Jim West  
914 Hollow Avenue  
Jerseyville, IL 62052

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### **Board of Directors:**

	<b>Work</b>	<b>Home</b>
Ed White	(314) 232-1479	(636) 441-6431
Dan Sundman	(314) 749-4029	(636) 352-0150
Mitch Galatioto	(314) 234-5141	
Dave Evans	Retired	(636) 448-4800

## Phantom Flyers Club Meeting Minutes October 21, 2019

President Jan Jansen opened the meeting at 7:00 pm at the Mark Twain Hobby. There were 12 members in attendance.

### **Tech Session**

There was no Tech session but an old model P-80 with Ducted Fan was made available to any club member for free.

### **Secretary's Report**

The Club is currently at 37 regular members. The September Meeting minutes were approved. At the meeting several members turned in their Membership Forms and paid dues for 2020.

### **Treasurers Report**

Jose again reported that Club finances are improved due to donations from club members. Big thanks to all that have contributed. We are still looking for donations.

### **Safety Report**

The Safety Manager was unavailable at the meeting.

### **Field Managers Report**

- The red Exmark zero turn mower was sent to the repair shop. It ran for 1-1/2 hour and did not leak any oil. There was no charge for the service. It is a bit of a mystery why the mower leaked oil at the field. One theory was that oil was measured soon after turning the mower off and it showed low. Then it was filled. Then oil drained from the engine and it overfilled. We will need to keep an eye on it going forward but good news is that we may not have another mower repair!
- A new shut off valve was installed in the red mower to prevent fuel from flooding the engine. The shutoff valve will have be opened and closed when running and shutting down the engine.

### **Activities Report**

- The Gilder contest was well attended
- The Christmas Party was discussed and it will be at Trailhead in downtown St. Charles. This is the same place as last year. Jan will schedule the event and it will be held during the first or second week in December.

### **GLSMA News**

Harold did not attend the meeting.

### **Old Business and New Business**

- There was a discussion about the AMA and the FAA and the 400 foot limit proposed for flying inside controlled airspace. The AMA submitted a letter of agreement to the FAA at Lambert on our behalf. We are barley within the limits of their airspace.
- Any FPV flying should be line of sight only.

Meeting was adjourned.

# GLSMA Meeting

(supplied by Harold Weaver)

## GSLMA Meeting – Tuesday, October 1, 2019

Location: Kirkwood Community Center

Notes by: Jeffrey C. Young

Meeting called to order: 7:06pm

Roll Call – Aeropilots, Lafayette Esquadrielle, St. Louis RC, and Whirly Birds were present.

September minutes – read and approved.

### Treasures Report:

EB: \$27,822.39 from July meeting

Motion, second, and passed.

### Buder Park Permits:

Permits 2019: 177 as of May

Permits 2018 Total: 225

Permits 2017 Total: 245

Permits 2016 Total: 233

### Old Business:

- Construction update: Pavilion Roof looks like a September construction. Date still not confirmed.
- Fred C. and Bob G. to meet with SLCPD to discuss water drainage in swamp area behind parking lot. Going to ask SLCPD if GSLMA can re-work stream. Talk with John D. if he can get equipment to help.
- Need to get drawings to SLCPD for shade structure approval.
- Need to look at planting more trees in RC and CL area.
- BBQ Pit status – check with SLCPD.
- SLCPD wants the supplies for the roof delivered to a certain address. They will fit into schedule when time permits. Fred C. will coordinate purchase and delivery.

### New Business:

- Flood update: Bob Gill has high resolution photos of the flooding (swamp) behind the RC area. He traced down the cause
- First Aid Kit – mount metal boxes for supplies in all (3) areas.
- Purchase hardware for stand security during flood. May be able to get cable for free from Bob G.
- Rocket launch. Box of motors left behind and have not been found. Called SLCPD and they were not turned into them.
- Sealing not complete. Fred C. to contact Metro Paving on status.
- 2020 is the 60<sup>th</sup> Anniversary for Buder Park. Look into special event.

Meeting closed 7:55 pm

Hello all,

The Lafayette Esquadriille will be hosting a CL Fun Fly on June 27th, 2020 to celebrate the 60th Anniversary of the park becoming an official flying site for the CL models. At the Nov 5th GSLMA meeting it was brought up that perhaps the fixed wing RC, Drones and the Rocket groups might get something organized on the same day. Since we all fly in different areas this should not be a problem. I am hoping that we get some out of town pilots to attend and really make this into a big event.

The Fun Fly for June 27th will appear on the AMA contest calendar, if other groups want to organize something they would have to get the wheels in motion with your own club. The CL fun fly has an AMA sanction number so that it appears on the contest calendar. If you choose not to go that route we would lose out on getting that exposure. A Fun Fly will still require a Contest Director to work the event which really isn't that hard to do.

Fred Cronenwett

# Phantom Flyers RC 2019 Event Calendar

Event	Date	Day	CD	Remarks
Snow Fly	1 Jan		Jan Jansen	
2M RE Sailplane Contest	18 May	Sat		
Innsbrook Float Fly	25 May	Sat	Don Vetrone	
2M RE Sailplane Contest	22 June	Sat		
Meet Me In St. Louis Pattern Fly-in	13 July	Sat	Ed White	
2M RE Sailplane Contest	20 July	Sat		
Joint Fun Fly at Phantom Field	4 Aug	Sat	Ed White	
Scale Fly-In and Contest	17 Aug	Sat	Don Grzina	
Float Fly Innsbrook	31 Aug	Sat	Don Vetrone	
2M RE Sailplane Contest	1 Sep	Sun		
Joint Fun Fly at Wright Flyer's	7 Sep	Sat	WF	
Pattern Contest	28-29 Sep	Sat- Sun	Ed White	
2M RE Sailplane Contest	5 Oct	Sat		
Christmas Dinner	7 Dec	Sat	Jan Jansen	

## 2M RE SAILPLANE CONTEST SUNDAY 10-06-19

(by Jan Jansen; photos from Bill Ott)

All pilots,

The official results are:

Rank	Pilot	Points	Delta
1	Larry Anderson	1440	
2	Ed White	1305	135
3	Robert Samuel	1279	26
4	Bill Ott	1268	11
5	Kevin Cox	1197	71
6	Jan Jansen	1194	3
7	Danne Anderson	1128	66
8	Jim West	1106	22
9	Emery Kattelman	1100	6
10	Dan Abel	956	144

Prior to the contest the goal time was changed to 5 minutes due to the full overcast. I.E. the max score was 360 points for one round and 1440 points total (best 4 rounds of 6 counted). Larry crushed the competition by winning no less than 5 rounds and being 2 seconds behind Robert in round 5. Ed was second. Sorry Bill for moving you down to 4th after the official count which corrected a second round score mistake. Third place went to Robert. Ed clearly benefitted from switching from high start to electric. It was not a good day for the high start contestants. Moderate crosswind and inconsistent (read sometimes low) line tension gave electrics an advantage. The CD allowed electrics to launch into the wind, which also contributed. CD will make some adjustments next time if the conditions are the same again. Other than having to get the line off the pavilion roof repeatedly, it was all good fun. In case you wonder, the Total for each round is the sum of flight time in seconds and the landing points. So did the best 4 of 6 make a difference? Actually yes, it would have changed positions 2, 4, 5, 6 and 7! Even the normalizing had an effect. I would have been 4th rather than 6th. Interesting, as in standby for rule changes again.

Thanks

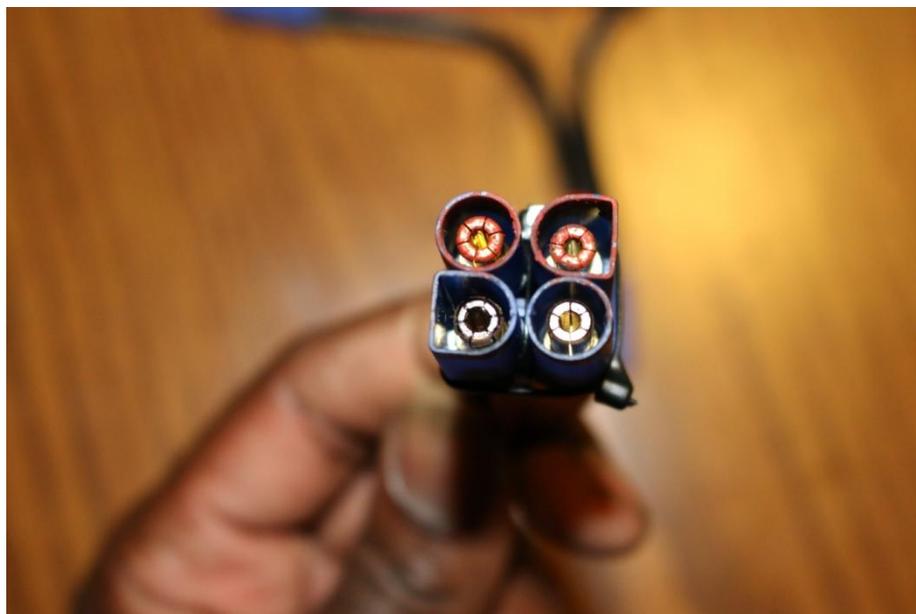
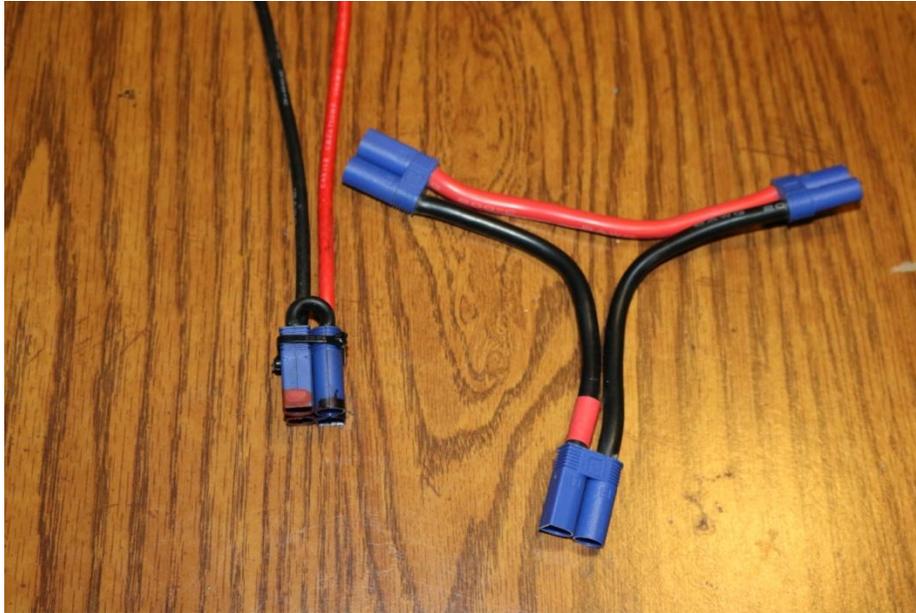
Jan



## EC5 Connectors Maintenance

With the use on the EC5 connectors it proved to be easier and safer to use over the plain bullet connectors but like all of them they have some drawbacks. The biggest being that the user has no feel of the connector contact or lack of it! What we do feel is the plastic housings going together.

Bill Ahrens was flying his Freewing F/A-18 and noticed that the model had lost its punch, duration and the connector(s) were very warm. A follow up flight was much improved, the difference being that he used a single 6S pack and no series adaptor. The earlier flight used a series connector adaptor to allow him to connect 2 Lipos packs in series. ( the adaptor on the right is the similar to what Bill used)



The adaptor on the left is what I made to minimize wire length and make it more compact, it is soldered or butt spliced to the ESC also eliminating the 3<sup>rd</sup> connector. Back to Bill's F/A-18, when a

connectors do not make a good electrical connection/contact they will generate heat. To make this heat it takes power from the pack(s) and this effects both performance and duration. Other factors that could generate heat would be incorrect wire size, length of wire and poor solder joints.

With bullet connectors you knew when they didn't make a good connection and I would often tape the bullets for an extra sense of security. The EC5s are nothing more than a shrouded bullet connector. So the taping I would do is no longer needed with the EC5s as the housing accomplishes this.

I first discovered connectors poor contact potential when I made a jig to assemble my EC5s. Depending on the brand you have you may have to install the shroud on the wiring before soldering the ends on.

This jig is simply a couple of holes drilled in to a piece of 1" thick wooden block. One hole diameter matches the male and the other, the female diameter. The problem is that when I push the male into the jig spot, I am compressing the tongues/fingers because I don't want it to move while soldering. Once soldered, the connector has to be pressed into the housing. I accomplish this by taking a spare female plug and put it over the male and press it into the housing. It was then at I noticed the female was not really fitting like it should. The fingers stayed compressed thereby making it a poor connection when mating with the other end.

My fix was to use a PH0 (Phillip jeweler screwdriver). This would spread out the tongued/fingers on the connector when inserted and rotated in a small circular motion. An interesting finding is that when good contact is made, and you are in a quiet room, when you quickly pull a part the EC5s you can hear metallic 'ringing' sound.



If you are using this or any connectors you should inspect them periodically. This is really important if you have a ESC with a built-in BEC to power the RX and servos

## 2019 Phantom Flyers Pattern Contest

September 28-28 2019 was the club's Pattern Contest and the attendance appeared up from last years event. The members and spouses that attended go out of there way to make the visitors feel like they are part of the club! The scores were lifted from <https://www.patternscoring.com/> .

As the editor/photographer I try to capture the energy of the event. As an RC pilot, I have a lot of respect for the effort and long practice sessions that each of the contestants must do throughout the season. Well done by all!

401 - Sportsman							
Name	Final Score	1	2	3	4	5	6
David Richards	4000	1000	1000	1000	1000	4000	4000

402 - Intermediate							
Name	Final Score	1	2	3	4	5	6
Walter Rhodes	4000	1000	1000	1000	1000	4000	4000

403 - Advanced							
Name	Final Score	1	2	3	4	5	6
Jon Dieringer	4000	1000	994.42	994.87	1000	1000	1000
Mike Gaishin	3965.68	963.83	1000	1000	902.97	993.49	972.19
George Ashley	3669.22	699.2	901.66	908.16	949.52	909.88	885.43
Jack Buydos	3645.1	874.86	887.76	977.75	878.3	893.05	886.54
Donald Grzina	3625.72	855.91	912.35	961.78	895.68	796.42	776.42
Jim West	3613.55	912.74	899.52	874.5	897.92	903.37	868.19
Russell Rhodes	2221.52	528.13	859.97	833.43	0	0	0

## 404 - Masters

Name	Final Score	1	2	3	4	5	6
Vicente Bortone	4000	990.88	1000	1000	1000	1000	4000
Jeffrey Buchner	3918.64	1000	960.02	936.08	943.4	970.13	988.49
Louis Matustik	3857.87	978.12	925.62	958.3	954.55	938.88	966.91

## 406 - F3A

Name	Final Score	1	2	3	4	5	6
Brenner Sharp	4000	987.63	1000	1000	1000	1000	4000
William Ahrens	3941.96	1000	991.41	977.63	963.45	931.29	972.92
Mark Woytassek	3578.99	940.88	897.33	855.08	875.45	865.32	818.53
Ed White	3288.4	896.88	794.21	780.52	816.79	0	0



# R/C Swap 'n Shop

Hosted by the Shawnee Mission Radio Control Club

**WHEN:** Saturday, December 7<sup>th</sup> from 9:00 AM to 1:00 PM.

**WHERE:** 13420 Oak Street, Lenexa, Kansas.

**ADMISSION:** Adults \$6.00 Children under 10 are free (includes 1 raffle ticket).

(\$1 of every door admission will be donated to SafeHome Women's Shelter of Kansas City).

airplanes, helicopters, vehicles, boats, drones,  
projects, parts, and related accessories.

food and drink concessions available.

participate in our raffle!

(Prize Furnished in part by *Hobby Haven* - Overland Park).





<http://phantomflyersrc.com/>

<https://www.facebook.com/Phantom-Flyers-RC-Club-139791882811519/>

Check there for the back issues of the Carrier Wave Newsletter, mowing schedule, event calendar and club roster/contact information (handy for mowing).

Articles, pictures and tech notes for publishing in the Carrier Wave are always appreciated. Let us know what you are building, repairing or flying!

Send them to:

[kevcox@charter.net](mailto:kevcox@charter.net)