

THE CARRIER WAVE



PHANTOM FLYERS R/C CLUB



AMA #393 SAINT CHARLES, MO

September 2021

Newsletter of the Phantom Flyers R/C Club

<http://phantomflyersrc.com>

CLUB OFFICERS

Contact Number

President - Bill Ahrens	(314) 913-3819
Vice President - Dan Dierking	(314) 406-4949
Secretary - Ed White	(636) 219-2255
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	

Send Membership Renewals to:

Ed White

10 Wolf Ridge Ct

St Charles, MO 63303

Board of Directors:

Work

Home

Ed White	Retired (B-)	(636) 219-2255
Dan Sundman	(314) 749-4029	(314) 749-4029
Mitch Galatioto	Retired (C+)	(636) 734-6322
Dave Evans	Retired	(636) 448-4800

Minutes of the Phantom Flyers RC Club meeting on 16 August 2021

The August club meeting was held at the field and opened at 6:30. President Bill Ahrens chaired the meeting. Seven club members were present.

Tech session - Kevin Cox provided a Tech Session on his work with Li-ion batteries for EDF's. Li-ion batteries are used in just about all consumer products (laptops, cell phones, etc.). They have some advantages for RC such as the higher mah ratings. But until recently they had one killer disadvantage, they could not provide enough current (their C rating was too low). Recently Li-ion batteries capable of putting out enough current for RC use have come onto the market. Specifically, 21700 40T Samsung Li-ion 4000 mah cells can provide EDF levels of current. They won't fit in everything and ideally they should have separation between cells for cooling. Spacers are available from eBay. They need a 1C charge rate but charge safely from a Li-poly charger set on Li-poly charge. The Li-ion charge setting is for older technology Li-ion batteries. Also, to get enough current you need to run 2P (2 cells in parallel sharing the current). But the advantages are battery packs last longer, are less prone to damage, have less danger of Li fire and provide more flight time.

Minutes of the July club meeting are approved as published in the Carrier Wave.

Treasurer's Report. We are still solvent. We will pay the lease soon.

Safety Officer: Not present. No safety issues raised. But some thoughts, if you are here alone, have your cell phone on your person. Get safety rules added to website.

Field Manager's Report - Mowers running well. Thanks to Kevin and Jack for cleaning up the exploded debris. And thanks to everyone else that helped.

Activities: Scale contest had 3 contestants. Discussion suggested we need to be more specific on what goes on at the contest. Especially how informal it is.

GSLMA - meeting was cancelled

Old Business - We need to resurrect the letter from FAA. Action for Secretary.

New Business - AMA/FAA now has a test. We all need to take the test. It is reportedly very easy. Action for all of us.

Meeting was adjourned at 7:10.

Ed White

Secretary, Phantom Flyers RC Club

Links to the FAA and test site

https://www.faa.gov/uas/recreational_fliers/knowledge_test_updates/

<https://dronetrust.com/faa-trust/>

2021 September at the Field







EDF Time Trials (08/28/2021)

Despite the number of jet models shown in the photo Bill Ahrens and Kevin Cox were the only attendees. With that said we had a great time flying and talking EDF stuff! So I called it an EDF Jet Together.



Supplied by Harold Weaver

G.S.L.M.A.
Treasurer's Report for August 31, 2021

Beginning balance at 7/31/2021	25,909.44
Total Deposits for 8/1/2021 to 8/31/2021	.00
Permits {and Donations} – {\$0.00}	
 Debits for 8/1/2021 to 8/31/2021	
Auto Pay - Web Hosting Fee –	4.00
Bank - Statement Fee	<u>5.00</u>
Total - Net	9.00
Ending Bank balance as of 8/31/2021	<u>25,900.44</u>
Checks held for deposit	667.00
Total Funds available	<u>26,567.44</u>

Prepays: Meeting Room Rent at Kirkwood some months into 2021;

Reminder notice: Bank Statements are sent directly from the Bank to a third party for independent review.

214 permits for October through August: 101 donations totaling \$1,733; donations ranged from \$5 to \$94; Average \$17.16.

Permits comparison next page.

Month	Permit	Year	Permit	Year	Permit	Year
Issued	20	21	20	20	20	19
	MO	YTD	MO	YTD	MO	YTD
Oct	7	7	5	5	36	36
Nov	53	60	46	51	24	60
Dec	34	94	19	70	30	90
Jan	31	125	39	109	42	132
Feb	20	145	21	130	10	142
Mar	19	164	18	148	20	162
Apr	15	179	2	150	15	177
May	16	195	7	157	9	186
June	12	207	23	180	2	188
July	2	209	5	185	1	189
Aug	5	214	15	200	8	197
Sep			10	210	4	201
Total YR		214		<u>210</u>		<u>201</u>

2021 Permit	CL Only	FF Only	RC Only	Rocketry Only	Drone Only	Combo	Not Reported	Total
Oct			6			1		7
Nov	1		33		6	13		53
Dec	4		22	2	1	5		34
Jan (next yr)	1		24	1	1	4		31
Feb			10	2	3	5		20
Mar			13			6		19
Apr	1		7		1	6		15
May			8	2	3	3		16
June			7	1	1	3		12
July					2			2
Aug			2		1	2		5
Sep								
Total '21	7	0	130	8	18	46		214
2020	12	0	124	9	17	48		210

EXPERIENCE	Beginner	Intermediate	Expert	blank	Total	Youth
2021 Permit YTD	44	130	40		214	11
2020 Full YR	46	122	42		210	13

David Whitney –Treasurer, GSLMA

Event Calendar for September 2021



[List](#)
[Month](#)
[Week](#)
[Day](#)
 September 2021

[<](#)
[>](#)

September 2021

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11 10:00 am: fall open house (food/raff le/givea ways)	12
13	14	15	16	17	18	19
20 6:30 pm: septemb er club meeting	21	22	23	24	25	26
27	28	29	30	1	2 all day: pattern contest (open event)	3 all day: pattern contest (open event)

categories

● Club meetings
 ● General
 ● Print

MOWING SCHEDULE

**IF YOU ARE UNABLE TO MOW THE SCHEDULED WEEK,
IT IS YOUR RESPONSIBILITY TO SWAP WITH A REPLACEMENT.**

April				
2	9	16	23	30
		Jack Buydos	Jan Jansen	Jim West
		Don Grzina	Brad Young	Don Grzina
			Chris Sostman	Jack Buydos
May				
7	14	21	28	
Jim Alberico	Jose Espinosa	John Klein (a)	Bill McMenemy (a)	
Ed White	Willie Hinnah	Mitch Galatioto	Brad Young	
Keven Cox	Bill Ahrens	Jan Jansen	Chris Sostman	
June				
4	11	18	25	
Jim West	Bill McMenemy (b)	Jose Espinosa	Jim Alberico (b)	
Don Grzina	Ed White	Willie Hinnah	Mitch Galatioto	
Jack Buydos	Kevin Cox	Bill Ahrens	John Klein	
July				
2	9	16	23	30
Jan Jansen	Jim West	Jim Aberico	Jose Espinosa	Bil McMenemy
Brad Young	Don Grzina	Ed White	Willie Hinnah	Mitch Galatioto
Chris Sostman	Jack Buydos	Kevin Cox	Bill Ahrens	John Klein
August				
6	13	20	27	
Jan Jansen	Jim West	Jim Alberico	Jose Espinosa	
Brad Young	Don Grzina	Ed White	Willie Hinnah	
Chris Sostman	Jack Buydos	Kevin Cox	Bill Ahrens	
September				
3	10	17	24	
Bill McMenemy	Jan Jansen	Jim West	Jim Alberico	
Mitch Galatiota	Brad Young	Don Grzina	Ed White	
John Klein	Chris Sostman	Jack Buydos	Kevin Cox	
October				
1	8			
Jose Espinosa	Bill McMenemy			
Willie Hinnah	Mitch Galatiota			
Bill Ahrens	John Klein			

* Note: Weekend of the Phantom Flyers Pattern Contest; much preferred to be completed by sundown Thursday, Sep 24th. Additional volunteers for field prep will be greatly appreciated.

Phantom Flyers RC CLUB

(Be sure to explore our website: phantomflyersrc.com)

2021 MEMBERSHIP APPLICATION

- Regular \$150/year x ____ yr(s) = _____
 Family (IRS Dependents) \$155/year x ____ yr(s) = _____
 Non-Participant (Non flying) \$15/year x ____ yr(s) = _____
 Anonymous Donations Welcome

Note: All new applications received after 1 July of this year will receive next year's dues free

**** Late Renewal Fee **** \$15 _____

(Late fee required if member has not paid by 31 Dec)

Make checks payable to:
Phantom Flyers RC Club, Inc.

Total Amount Due = _____

	<u>Eligible Member</u>	<u>Additional Family Member</u>
Member Name (/Nickname)	_____	_____
AMA Number	_____	_____
Primary Phone (home/cell)	_____	_____
Secondary Phone (work/cell)	_____	_____
Street	_____	_____
City, State, Zip	_____	_____
Spouse's Name	_____	_____
Primary E-Mail Address	_____	_____
Can Mow Flying Field? (Yes/No)	_____	_____

My signature below signifies that:

I have read, understood and will abide by the Phantom Flyers RC Safety and Field Use Rules.

I understand that my participation in this activity is purely voluntary and I agree to hold Phantom Flyers RC Club, Inc. harmless for any and all liability for any injuries including death, which I might sustain while participating in this activity.

Signature: _____ Date: _____

Submit form and membership dues to:
 Ed White
 10 Wolf Ridge Ct.
 St Charles, MO 63303
 Please send S.A.S.E. if you want your membership card mailed

For Club Administrative Use Only	Dues Received _____ Date	Current AMA Received/Shown _____ Date
---	------------------------------------	---



<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