

# **THE CARRIER WAVE**



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



**AMA #393 SAINT CHARLES, MO**

**April 2022**

Newsletter of the Phantom Flyers R/C Club

<http://phantomflyersrc.com>

### **CLUB OFFICERS**

### **Contact Number**

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President - Dan Dierking	(314) 406-4949
Vice President - Don Grzina	(636) 233-0193
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	

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

Ed White

10 Wolf Ridge Ct

St Charles, MO 63303

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### **Board of Directors:**

	<b>Work</b>	<b>Home</b>
Ed White	Retired (B+)	(636) 219-2255
Dan Sundman	(314) 749-4029	(314) 749-4029
Mitch Galatioto	Retired (A+)	(636) 734-6322
Dave Evans	Retired	(636) 448-4800

## Minutes of the Phantom Flyers RC Club meeting on 21 March 2022

The March club meeting was held via Zoom and opened at 7:02 PM. Club President Dan Dierking chaired the meeting and Secretary Ed White actually remembered there was a meeting. Six club members were present.

Tech Session: No tech session

Secretary's Report - A motion was made and passed to accept the minutes of the February 2021 meeting as published in the March Carrier Wave. There is a club roster now out on the club website. It has the same password as before. Contact the secretary if you need the password.

Treasurer's Report - We have a comfortable amount in the treasury, enough for 2022 operating expenses.

Safety Officer's Report - Safety officer was present. Rule 42 that requires us to restrict our flying if the weather at Lambert Airport is below VFR minimum visibility and altitude was passed and is now active. See chart under Old Business.

Field Manager's Report - Don was out yesterday in some fine weather. Green mower still lashed up outside. Somebody was making ruts around SE end of field. We should have a runway patching party before the weather gets hot. Don will schedule.

Activities Chair Report - We continue to get little response to our proposal for a round robin FF series. But Wright Flyers would like to know if we want to reprise our previous arrangement.

MVSA will not be holding their 2m Fun Fly glider contests this year. Do we want to do it? How many? Saturday or Sunday? April 30 swap meet fly in. April 24 Columbia, April 17, Spirits. We discussed the proposal for an indoor Swap Meet as shown in the second chart below. What is new here is Mitch Galatioto identified a suitable venue that we can rent at a price which should allow us to make money. See the second chart under Old Business.

GSLMA Report - Minutes are in the CW.

Old Business - see charts.

New Business - No new business.

The meeting was adjourned at 7:37 PM

Ed White  
Secretary

[https://www.faa.gov/uas/recreational\\_fliers/knowledge\\_test\\_updates/](https://www.faa.gov/uas/recreational_fliers/knowledge_test_updates/)

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

## **We now have a signed Letter of Agreement (LOA) with the St. Louis Airport ATC authority**

**What does this allow us to do?** We can now fly to a maximum altitude of 2000 feet Above Ground Level (AGL).

**How does this affect how we fly?** There are a few restrictions to be aware of that are defined below. Generally it will have no effect on our flying other than allowing us to go to higher altitude. We do NOT have to, and should not notify the FAA or airport when we fly. Just go fly whenever you please. However, please be aware of the need to obey all safety rules of the AMA and our field safety rules.

**What are the restrictions?** The three most important issues of concern to the FAA in authorizing this LOA are: Safety, Safety and Safety. The primary approach to our safely sharing the airspace with full scale aircraft is See and Avoid. That means both we see and avoid them, and they see us and can avoid. However, since we are much smaller and more maneuverable than they are, the bulk of the See and Avoid responsibility has to fall on us.

There are two important AMA safety documents. The AMA Safety Handbook (Document 100, <https://www.modelaircraft.org/sites/default/files/documents/100.pdf>) and the AMA See and Avoid Guidance (Document 540-D, <https://www.modelaircraft.org/system/files/documents/540-D.pdf>) Please make sure you are operating within the letter of both documents at all times. Our club field safety rules make up the third important document (<https://www.phantomflyersrc.com/current-news/>). What follows is what is new with the LOA.

1. Weather. This was already addressed by the recent addition of rule 42 that was passed by the club at the March 2022 meeting.
42. Prior to flying, pilots must verify visibility to be a minimum of 3 miles and the lowest reported cloud level to be at least 500 feet above the highest altitude to be flown. These minimums are based on the official reported conditions at Lambert St. Louis International Airport. An accepted source for these conditions is the KSTL Meteorological Encoded Terminal Area Report (METAR) available from multiple sources including on the home page of the club website ([phantomflyersrc.com](http://phantomflyersrc.com)). An alternate source is the Automated Surface Observing System (ASOS) recorded data which can be obtained at 314-890-4790.
2. No night time flying. Flying is permitted from civil sunrise to civil sunset. Again the issue is supporting See and Avoid.
3. "Spill out" refers to a requirement on us to immediately report to the FAA if we lose control of an aircraft resulting in a flyaway. Our interpretation of flyaway means the aircraft was last seen flying stably leaving our field airspace in a manner where it is not seen to come down. If we lose control and we see the aircraft impact the ground (or disappear into the corn), that is not a flyaway and is not reportable. Here is the requirement for reporting.

Phantom Flyers R/C Club must immediately notify St. Louis Air Traffic Control Tower

(STL) at (314) 890-4727 and St. Louis TRACON (T75) at (314) 890-1018 in the event of a lost link, fly-away or operational area spill-out that may affect manned aircraft operations.

(1) Information in case of a fly-away or spill-out

(a) Location of aircraft

(b) Size of aircraft (weight, length, width)

(c) Direction of Flight

(d) Altitude

Items 2 and 3 will likely require additions to the field safety rules. We will review the LOA in detail and determine what requirements of the LOA require field safety rule changes and/or posting of information at the field. Changes will be brought before the club at the May meeting to allow the required rule change notification to be completed a week ahead of a vote.

**Please note. The above changes and restrictions are in effect now. Please abide by them. The field rule changes that we will propose are the paperwork catching up to reality.**

One question that has come up is, how does this affect the aircraft identification/altitude reporting requirement that the FAA is pursuing. The answer is they are completely separate issues with no effect on each other.

I wanted to get this out in time for the April Carrier Wave. I realize that it does not answer all questions. That will take time. And need to have those questions raised by all of you.

Ed White

Secretary

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## Phantom Flyers R/C Model Airplane Club 3-21-2022 Meeting



- ✦ Potential Phantom Flyers R/C Club Swap Meet
  - ✦ Elk's Lodge in O'Fallon MO
    - ✦ All dates available in June or July (June 11th currently booked for us)
    - ✦ Vendors in at 8:00 a.m. & Doors open at 9:00
  - ✦ 72' x 72' Room with maximum occupancy of 400 people
    - ✦ Parking all around building, but not as many spaces as we would like
  - ✦ Rental cost is \$375 for 5 hours (9am - 2pm) with No Charge for Set-up
    - ✦ \$50 extra for Public Address & Projector systems
    - ✦ Includes 56 eight foot rectangular tables with chairs
    - ✦ Set by Elks Lodge personnel - We provide table/chair layout
  - ✦ We can we sell food (Burgers, dogs, chips, etc.)
    - ✦ Drinks are sold by Elk's lodge (Soda, Water, Adult Beverages)
    - ✦ We can have a raffle
  - ✦ No special insurance is required
  - ✦ We can hang advertising at the lodge
  - ✦ Would need 10 - 12 club members to run event (Additional non-member assistance would be greatly appreciated)
    - ✦ Members not there to buy or sell
      - ✦ Admissions desk, keep general admissions out until entry time
      - ✦ Ensure people re-entering have paid
      - ✦ Sell & police tables
      - ✦ Assist people bringing stuff in to sell
      - ✦ Concession & raffle ticket sales
      - ✦ Deal with issues
      - ✦ Clean up & tear-down



## Phantom Flyers R/C Model Airplane Club 3-21-2022 Meeting



### ♦FAALOA

- ♦Comments provided by Ed White / Mitch Galatioto on 20 Feb 2022
- ♦Pending final LOA anticipated approximately 05 Apr 2022, but may be later

### ♦Club Safety Rule Addition

- ♦Required for compliance to FAALOA
  - ♦42. Prior to flying, pilots must verify visibility to be a minimum of 3 miles and the lowest reported cloud level to be at least 500 feet above the highest altitude to be flown. These minimums are based on the official reported conditions at Lambert St. Louis International Airport. An accepted source for these conditions is the KSTL Meteorological Encoded Terminal Area Report (METAR) available from multiple sources including on the home page of the club website ( [phantomflyersrc.com](http://phantomflyersrc.com) ). An alternate source is the Automated Surface Observing System (ASOS) recorded data which can be obtained at 314 -890-4790.
  - ♦Need vote to add to Safety Rules

### ♦Field Lease

- ♦Lease Spokesperson Don Oelklaus passed away in October 2021
- ♦Wally Kolkmeier is new lease spokesperson
- ♦New 3 year lease signed 04 Mar 2022 for CY 22 -23, 23-24, 24-25 @ 5k per year
  - ♦Treasurer will need to bring check to Wally in Sep 2022 (Mitch has his St. Charles address)



## Understanding FAA Weather Data

As previously mentioned in the Carrier Wave, the FAA requested the Phantom Flyers RC Club to add a rule to our safety code requiring fliers to access the weather as recorded at Lambert St. Louis Airport before flying at our field. Rule 42 has been written to codify this requirement in our safety rules.

42. Prior to flying, pilots must verify visibility to be a minimum of 3 miles and the lowest reported cloud level to be at least 500 feet above the highest altitude to be flown. These minimums are based on the official reported conditions at Lambert St. Louis International Airport. An accepted source for these conditions is the KSTL **Meteorological Encoded Terminal Area Report (METAR)** available from multiple sources including on the home page of of the club website (phantomflyersrc.com). An alternate source is the **Automated Surface Observing System (ASOS)** recorded data which can be obtained at 314-890-4790.

The METAR data posted on our website is conveniently decoded for us. Visibility is reported in statute miles, and Sky condition (cloud layers) are reported in feet above ground level. The first cloud layer will be the lowest level concerning our requirement.

The ASOS data we can obtain by phone is a recording updated every minute. The report, in a computer generated voice, will follow a specific format. An example;

“Lambert St. Louis International Airport, Automated Weather Observation, 1612 Zulu, Wind Two Four Zero at Zero Eight Peak Gust Two One, Visibility Zero Six Light Rain, Sky Condition Scattered One Thousand Two Hundred Broken Three Thousand Five Hundred Overcast Ten Thousand, Temperature one niner celcius Dew Point One One Celcius Altimeter Two Niner Five One Remaerks Density Altitude One Thousand Seven Hundred”

1. “Lambert St. Louis International Airport”, location.
2. “Automated Weather Observation”, type of observation
3. “1612 Zulu”, time. CST = GMT-6 hours, CDT = GMT-5 hours
4. “Wind Two Four Zero at Zero Eight Peak Gust Two One,” direction rounded to nearest 10° and velocity in knots.
5. **“Visibility Zero Six Light Rain” distance in statute miles and obscuring phenominon if visibility is less than 7 miles.**
6. **“Sky Condition Scattered One Thousand Two Hundred, Broken Three Thousand Five Hundred Overcast Ten Thousand”** in feet above ground level.
7. “Temperature One Niner Celsius, Dew Point One One Celsius.
8. “Altimeter Two Niner Five One”, barometric pressure in inches mercury.
9. “Remaerks Density Altitude One Thousand Seven Hundred”, calculated equivalent field elevation on a “standard day”.

The data in segments 5 and 6 above satisfies the FAA requirement. Under the conditions of the example we could legally fly, but only to 700 feet altitude.

Happy flying,  
Don Grzina

Supplied by Harold Weaver

**GSLMA Meeting- April 2022**

Location: Kirkwood Community Center

Notes by: Jeffrey C. Young

Meeting called to order: 7:05pm

Roll Call – Lafayette Esquadrielle, St. Louis Rocketry, Aero Pilots, and Whirlybirds present.

March minutes – read and approved.

Treasures Report:

Beginning Balance: \$30,959.50

Deposits: \$611.00 + \$89.17

Debits: \$1,619.36

Ending Balance: \$30,040.31

Total Funds Available: \$31,180.31

Buder Park Permits:

Permits 2022: 177

Permits 2021: 215

Old Business:

- McConnel – not all areas need to be sealed. Review RC pit area only and look at runways what needs to be repaired (quote after John D. power brushes RC area). Control Line area sealing and crack repair \$6,173.00.
- Rocket Pavilion – reviewing location – look into placing on West side of buder.
- Rocket launch successful – look at safety procedures if rocket goes ballistic which occurred at launch, no one hurt.
- Flight Stands – repairs have been started and will continue.

New Business:

- Control Line Area – new person to RC was planning on flying RC in control line area – Fred talked with him and let him know how Buder works. He moved to RC area. Small park flyers allowed to fly in control line area, but must move if control line pilots want to utilize area.
- Flooding at Buder – 19'-0" or less Porta Potty don't need to be removed. Any higher we need to call R and R to remove.

Meeting closed 8:06pm



**G.S.L.M.A.**  
**Treasurer's Report for March 31, 2022**

Beginning balance at 2/28/2022	30,959.50
Total Permit Check Deposits for 3/1 to 3/31/2022	611.00
Permits {and Donations} – {\$85.00}	
PayPal – Permits {and donations} – {\$19.17}	89.17
 <b>Debits for 3/1/2022 to 3/31/2022</b>	
Auto Pay - Web Hosting Fee –	4.00
#932 R&R Contracting – 2 Porta Potties	1,250.36
Debit Card – Kirkwood Room Rent	360.00
Bank - Statement Fee	5.00
Total - Net	1,619.36
Ending Bank balance as of 3/31/2022	30,040.31
Checks held for deposit	140.00
PayPal received for unprocessed permits	.00
Total Funds available	<u>31,180.31</u>

Prepays: Meeting Room Rent at Kirkwood thru December 2022;  
R&R 2 units through May 31; fuel surcharge added  
Payables: None

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

21 permits for March: YTD 83 donations totaling \$1,591.86;  
YTD donations range from \$3 to \$116; Average \$19.18

Permits comparison next page.

Month	Permit	Year	Permit	Year	Permit	Year
Issued	20	22	20	21	20	20
	MO	YTD	MO	YTD	MO	YTD
Oct	7	7	7	7	5	5
Nov	27	34	53	60	46	51
Dec	85	119	34	94	19	70
Jan	30	149	31	125	39	109
Feb	7	156	20	145	21	130
Mar	21	177	19	164	18	148
Apr			15	179	2	150
May			16	195	7	157
June			12	207	23	180
July			2	209	5	185
Aug			5	214	15	200
Sep			1	215	10	210
Total YR		177		215		210

2022 Permit	CL Only	FF Only	RC Only	Rocketry Only	Drone Only	Combo	Not Reported	Total
Oct			3		3	1		7
Nov			20		4	3		27
Dec	6		51	5	5	18		85
Jan (next yr)	4		18	2	2	4		30
Feb			5		1	1		7
Mar			12		2	7		21
Apr								
May								
June								
July								
Aug								
Sep								
Total '22	10	0	109	7	17	34		177
2021	7	0	131	8	18	46		215

EXPERIENCE	Beginner	Intermediate	Expert	blank	Total	Youth
2022 Permit YTD	32	115	30		177	5
2021 Full YR	44	131	40		215	11

David Whitney –Treasurer, GSLMA



(phantomflyersrc.com)



(Map to field)



# Phantom Flyers R/C Club Tailgate Swap Meet / Fly-in



**Saturday, April 30th, 2022**

Gates open at 9 AM until 3 PM

\$5 per car

Please bring a table

Open to anyone, but must have AMA to fly

Field is located on Wiedey Rd, St Charles, MO 63301

For more info, call Dan @ 314-406-4949

## 2022 Phantom Flyers RC Club Flying Site Mowing & Task Schedule

Weekend dates shown are Friday dates.

It is expected the mowing will occur within five days of the scheduled date.

The bold name is the team captain, responsible for scheduling the team.

Contact your team to arrange mutual date and time.

Coordinate container access with one of the following people prior to mowing.

Don Grzina (636) 233-0193, Ed White (636) 219-2255,

Mitch Galatioto (636) 734-6322

Report any equipment or grounds problems to any club officer.

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

April				
1	8	15	22	29 *1
		<b>Bill Ahrens</b>	<b>Jack Buydos</b>	<b>Jan Jansen</b>
		Jim Alberico	Jose Espinosa	Dan Sundman
		Ed White	Willie Hinnah	Brad Young
May				
6	13	20	27	
<b>Jim Greenwood</b>	<b>Jim West</b>	<b>Jim Alberico</b>	Jim West	
John Klein	Don Grzina	Jose Espinosa	<b>Dan Sundman</b>	
Mitch Galatioto	Kevin Cox	Willie Hinnah	John Klein	
June				
3	10	17	24	
Bill Ahrens	Jim Greenwood	<b>Jose Espinosa</b>	Brad Young	
<b>Don Grzina</b>	<b>Brad Young</b>	Jack Buydos	<b>Jim Greenwood</b>	
Jack Buydos	Jan Jansen	Jim West	Dan Sundman	
July				
1	8	15	22	29
Jim Alberico	<b>John Klien</b>	<b>Don Grzina</b>	Jim Greenwood	Dan Sundman
<b>Willie Hinnah</b>	Kevin Cox	Jan Jansen	John Klein	Jan Jansen
Bill Ahrens	Mitch Galatioto	Willie Hinnah	<b>Ed White</b>	<b>Kevin Cox</b>
August				
5	12	19	26	
Don Grzina	Brad Young	<b>Jim Alberico</b>	<b>Mitch Galatioto</b>	
Jim West	Mitch Galatioto	Jose Espinosa	John Klein	
<b>Bill Ahrens</b>	<b>Jack Buydos</b>	Ed White	Dan Sundman	
September				
2	9	16	23 *2	30 *3
<b>Jose Espinosa</b>	<b>Jim West</b>	<b>Brad Young</b>	<b>Bill Ahrens</b>	<b>Ed White</b>
Jim Alberico	Jack Buydos	Kevin Cox	Jan Jansen	Jim Alberico
Willie Hinnah	Don Grzina	Jim Greenwood	Jim West	Kevin Cox
October				
7	14			
<b>Bill Ahrens</b>				
Jack Buydos				
Dan Sundman				

**\*Notes: Additional volunteers for field prep will be greatly appreciated.**

\*1: Swap Meet / Fly In weekend \*2: Open House weekend \*3: Pattern Contest weekend



<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:

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