

THE CARRIER WAVE



PHANTOM FLYERS R/C CLUB



AMA #393 SAINT CHARLES, MO

November 2020

Newsletter of the Phantom Flyers R/C Club

<http://phantomflyersrc.com>

CLUB OFFICERS

Contact Number

President - Bill Ahrens	(314) 913-3819
Vice President - Mitch Galatioto	(636) 734-6322
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 - Jim West	(618) 498-9058

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

Phantom Flyers RC Club Meeting Minutes - 19 October 2020

This was a Zoom meeting. No Meeting Minutes were submitted for the newsletter.

Potential Safety Rules Revisions

The ORIGINAL on the left the PROPOSED on the right

Phantom Flyers Safety Rules Revision

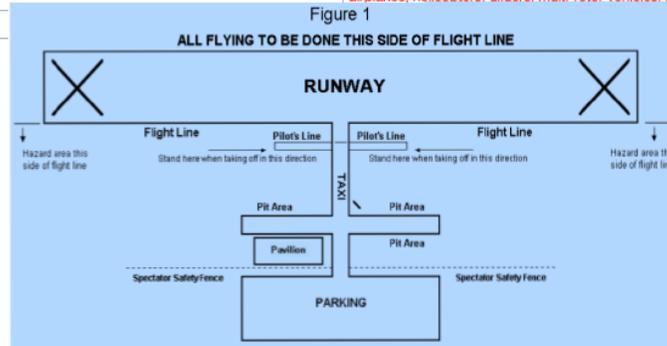
Original	Proposed
PHANTOM FLYERS RC MODEL AIRPLANE CLUB St. Charles, MO	PHANTOM FLYERS RC MODEL AIRPLANE CLUB St. Charles, MO October 2020
AUTHORIZED AND PUBLISHED BY THE PHANTOM FLYERS RC CLUB REVISED APRIL 2011	AUTHORIZED AND PUBLISHED BY THE PHANTOM FLYERS RC CLUB REVISED APRIL 2011
SAFE FLYING IS NO ACCIDENT	SAFE FLYING IS NO ACCIDENT
Everyone is hurt when a careless action causes an accident. Most modelers will react favorably and will comply with Safety Rules if the modeler is given factual information. This booklet provides specific Safety Rules and requirements for safe flying. Follow these Rules and requirements for safe flying. Follow these Rules and you will save your hobby, save your airplane and maybe save someone from serious injury. Protect your right to fly!	Everyone is hurt when a careless action causes an accident. Most modelers will react favorably and will comply with Safety Rules if the modeler is given factual information. This booklet provides specific Safety Rules and requirements for safe flying. Follow these Rules and you will save our field, our hobby, our aircraft, your hobby, save your airplane and prevent all members and guests maybe save someone from serious/fatal injury. Protect everyone's your right to fly!
SAFETY & FIELD USE RULES	SAFETY & FIELD USE RULES
THE FIELD SAFETY OFFICER OR ANY CLUB MEMBER SHALL HAVE THE AUTHORITY TO ENFORCE THE RULES HEREIN. IN MOST CASES, A SIMPLE WARNING WILL REMEDY A SITUATION. HOWEVER, IF A FLYER DELIBERATELY REFUSES TO COMPLY WITH A SPECIFIC RULE, THE SAFETY OFFICER OR CLUB MEMBER MAY REPORT THE FACTS TO THE CLUB PRESIDENT. THE INCIDENT SHALL THEN BECOME CLUB BUSINESS FOR DISCUSSION AND APPROPRIATE ACTION AT THE NEXT REGULARLY SCHEDULED CLUB MEETING. FLAGRANT OR REPEATED VIOLATION OF THE SAFETY & FIELD USE RULES IS GROUNDS FOR ACTION BY THE CLUB UP TO AND INCLUDING THE REVOCATION OF FLYING PRIVILEGES.	THE FIELD SAFETY OFFICER OR ANY CLUB MEMBER SHALL HAVE THE AUTHORITY TO ENFORCE THE RULES HEREIN. IN MOST CASES, A SIMPLE WARNING WILL REMEDY A SITUATION. HOWEVER, IF A FLYER DELIBERATELY REFUSES TO COMPLY WITH A SPECIFIC RULE, THE SAFETY OFFICER OR CLUB MEMBER MAY REPORT THE FACTS TO THE CLUB PRESIDENT. THE INCIDENT SHALL THEN BECOME CLUB BUSINESS FOR DISCUSSION AND APPROPRIATE ACTION AT THE NEXT REGULARLY SCHEDULED CLUB MEETING. FLAGRANT OR REPEATED VIOLATION OF THE SAFETY & FIELD USE RULES IS GROUNDS FOR ACTION BY THE CLUB UP TO AND INCLUDING THE REVOCATION OF FLYING PRIVILEGES AND EXPULSION FROM THE CLUB WITHOUT DUES REFUND PER CLUB BY-LAWS.
SAFETY & FIELD USE RULES	SAFETY & FIELD USE RULES
1. The official AMA Safety Code and all Safety Rules contained in the AMA official Model Aircraft Regulations shall be applicable to all flying at the field. In situations where specific guidance is not provided, sound judgement must prevail.	1. The current official Academy of Model Aeronautics National Model Aircraft Safety Code AMA Safety Code and all Safety Rules contained in the AMA official Model Aircraft Regulations shall be applicable to all flying at the field. In situations where specific guidance is not provided, sound judgement must prevail.
2. The Safety & Field Use Rules furnished herein may be changed with the approval of proposed changes by majority vote at a club meeting.	2. The Safety & Field Use Rules furnished herein may be changed with the approval of proposed changes by majority vote at a club meeting.
3. While on the field, all flyers must have in their possession their current AMA License, Club Membership Card, and FCC License (if required).	3. While on the field, all flyers must have in their possession their current AMA License, Club Membership Card, and FCC License (if required).
4. All flyers shall be members of the Phantom Flyers RC Club, Inc. Any club member may sponsor a guest flyer(s). No guest flyer may be sponsored more than 3 times each year. Open events involving flyers sponsored by the Club, and guest flyers must have in their possession their current AMA and FCC License (if required) and must comply with all Safety & Field Use Rules.	4. All flyers shall be members of the Phantom Flyers RC Club, Inc. Any club member may sponsor a guest flyer(s). No guest flyer may be sponsored more than 3 times each year. Open events involving flyers sponsored by the Club, and guest flyers must have in their possession their current AMA and FCC License (if required) and must comply with all Safety & Field Use Rules.
5. All flyers, both members and guests, must have current AMA membership and must operate models within the limitations of that AMA membership. AMA Park Flyer members may operate models only within the limitations of the AMA Park Flyer membership.	5. All flyers, both members and guests, must have current AMA membership and must operate aircraft models within the limitations of that AMA membership. AMA Park Flyer members may operate models only within the limitations of the AMA Park Flyer membership.
6. Radio controlled aircraft activity have absolute priority use of the field.	6. Radio controlled aircraft activity have absolute priority use of the field.
7. No engine operation will be allowed between sunset and 8:00 a.m. For contests or other special Club activities, these requirements may be waived by the Contest Director or the President.	7. No engine/ electric motor operation will be allowed between sunset and 8:00 a.m. For contests or other special Club activities, these requirements may be waived by the Contest Director with the consent of or the President or Vice President.
8. Spectators are only allowed in the pit area or on the flying field when escorted by a Club Member. Children shall be allowed in the pit area only if closely supervised. Children shall not be allowed on or near the runway at anytime, unless they are trained and qualified fliers. Do not allow children to wander unescorted at anytime.	8. Spectators are only allowed in the pit area or on the flying field when escorted by a Club Member. Children shall be allowed in the pit area only if closely supervised. Children shall not be allowed on or near the runway at anytime, unless they are trained and qualified fliers. Do not allow children to wander unescorted at anytime.
9. Animals must be restrained.	9. Animals must be restrained at all times while on premises.
10. No flying of any sort shall be performed from, into or over the hazard area. The hazard area includes the pit, spectator, and parking areas. (See Figure 1)	10. No flying of any sort shall be performed from, into or over the hazard area. The hazard area includes the pit area, pilot's line, pavilion, spectator, and parking areas. (See Figure 1).

11. Deliberate flight over the pit, spectator, or parking area is prohibited. Low passes and touch and goes shall be conducted in cooperation with other flyers and in such a manner as to prevent hazard to other flyers and spectators	11. Deliberate flight over the hazard pit, spectator, or parking area is prohibited. Low passes and touch and goes shall be conducted in cooperation with other flyers and in such a manner as to prevent hazard to other flyers and spectators.
12. Under no condition shall a transmitter be turned on before your membership card has been placed in the appropriate spot on the frequency control board. Remove your membership card from the rack after turning off your transmitter.	12. If flying using a 72 MHz transmitter: - Under no condition shall a the transmitter be turned on before your membership card has been placed in the appropriate spot on the frequency control board. Remove your membership card from the rack after turning off your transmitter. - After acquiring the radio frequency as defined in Rule 12-11 , turn on transmitter and observe aircraft in operation for abnormalities. If none, proceed to start aircraft in a safe manner. If you observe any aircraft experiencing abnormal operation after radio turn on, shut off your transmitter immediately. - A supervised transmitter impound shall be employed during contest activity or other activity when so designated by the Contest Director. When frequency sharing is necessary, possession of the frequency shall be limited to 20 minutes.
13. After acquiring the radio frequency as defined in Rule 11, turn on transmitter and observe aircraft in operation for abnormalities. If none, proceed to start aircraft in a safe manner. If you observe any aircraft experiencing abnormal operation after radio turn on, shut off your transmitter immediately.	13. After acquiring the radio frequency as defined in Rule 12-11, turn on transmitter and observe aircraft in operation for abnormalities. If none, proceed to start aircraft in a safe manner. If you observe any aircraft experiencing abnormal operation after radio turn on, shut off your transmitter immediately.
14. All airplanes must be physically restrained when the engine is running while the airplane is in the pit area or on the taxiway behind the pilot's line. Taxing onto the runway is allowed forward of the pilot's line. When retrieving an airplane from the runway, the engine shall be stopped prior to crossing the pilot's line when returning to the pit area.	14. All aircraft airplanes must be physically restrained when the engine is running or electric motor power is connected while the aircraft airplanes is in the pit area or on the taxiway behind the pilot's line. Taxing onto the runway is allowed forward of the pilot's line. When retrieving an aircraft airplanes from the runway, the engine/ electric motor shall be stopped prior to crossing the pilot's line when returning to the pit area.
15. Do not stand in line with a spinning propeller.	15. Pilot and bystanders must ensure no one is standing do not stand in line with a spinning propellers, fan blades, rotor blades, etc.
16. A supervised transmitter impound shall be employed during contest activity or other activity when so designated by the Contest Director.	16. A supervised transmitter impound shall be employed during contest activity or other activity when so designated by the Contest Director.
17. When frequency sharing is necessary, possession of the frequency shall be limited to 20 minutes.	17. When frequency sharing is necessary, possession of the frequency shall be limited to 20 minutes.
18. Models shall not exceed 98db at 9 feet. A noise waiver maybe requested using the clubs noise waiver process.	18. Models shall not exceed 98db at 9 feet. A noise waiver maybe requested using the clubs noise waiver process.
19. Models shall be parked in the pit area. Keep walkways clear.	19. Aircraft Models shall be parked in the pit area. Keep walkways and taxiways clear.
20. Prolonged ground running of engines, e.g., break-in, will be conducted away from the pit area.	20. Prolonged ground running of engines/ electric motors , e.g., break-in, will be conducted away from the pit area.
21. Engines started and/or operated in the pit area must be positioned to prevent exhaust, oil, dust and dirt from being blown on spectators, other models, equipment, and/or parked cars.	21. Engines/ electric motors started and/or operated in the pit area must be positioned to prevent exhaust, oil, dust, and dirt and debris from being blown on spectators, other aircraft models , equipment, and/or parked cars.
22. All runway activities including takeoff, landing, touch-and-goes and model retrieval shall be clearly and loudly announced to the other pilots on the pilot's line. (i.e. "on runway", "runway clear", etc.)	22. All runway activities including takeoff, landing, touch-and-goes and aircraft model retrieval shall be clearly and loudly announced to the other pilots on the pilot's line. (i.e. "on runway", "runway clear", etc.)

1

23. All pilots must stand on the pilot's line on the downwind side of the taxiway. (Not on the runway, taxiways, or the opposite side of the runway.)	23. All pilots must stand on the pilot's line on the downwind side of the taxiway . (Not on the runway or taxiways, or the opposite side of the runway .)
24. Take-offs (including hand launches) and landings shall be forward of the pilot's line. Before crossing the runway to place or retrieve a model, the flyer will (1) ascertain there is no other immediate traffic and (2) advise any other flyers of your intentions. (See also Rule 20)	24. Take-offs (including hand launches) and landings shall be forward of the pilot's line. Before crossing the runway to place or retrieve an aircraft model , the flyer will (1) ascertain there is no other immediate traffic and (2) advise any other flyers of your intentions. (See also Rule 29 29)
25. Turns after take-off and during approaches to landings shall be conducted so as to prevent flight over the pits, spectator, or parking area.	25. Turns after take-off and during approaches to landings shall be conducted so as to prevent flight over the hazard pit, spectator, or parking area.
26. Careless, reckless, or dangerous flying shall not be permitted.	26. Careless, reckless, or dangerous flying shall not be permitted.
27. Glider/sailplane launching devices may be utilized only in full cooperation and full cognizance of all flyers at the field.	27. Glider/sailplane launching devices may be utilized only in full cooperation and full cognizance of all flyers at the field.
28. Under all circumstances avoid flying in the proximity of low-flying full-scale aircraft. If in doubt of the path of the full-scale aircraft, land your model and wait until it is safe to resume flight. All flyers must warn each other of approaching full-scale aircraft.	28. Under all circumstances avoid flying in the proximity of low-flying full-scale aircraft. If in doubt of the path of the full-scale aircraft, land your aircraft model and wait until it is safe to resume flight. All flyers must warn each other of approaching full-scale aircraft.
29. When an approaching model appears to be potentially hazardous to flyers or spectators, any observer(s) will loudly and clearly warn others of the danger.	29. When an approaching aircraft model appears to be potentially hazardous to flyers or spectators, any observer(s) will loudly and clearly warn others of the danger.
30. The flyer of a "dead stick" model shall loudly and clearly warn other persons of the situation. Landing priority will be given immediately. (See also Rule 21)	30. The flyer of a "dead stick" aircraft model shall loudly and clearly warn other persons of the situation. Landing priority will be given immediately. (See also Rule 29 29)
31. When a model experiences suspected radio interference, the pilot, or his/her helper, shall loudly and clearly warn other flyers of the situation. Landing priority shall be given immediately to the flyer/model experiencing the difficulty. (See also Rule 21)	31. When an aircraft model experiences suspected radio interference, the pilot, or his/her helper, shall loudly and clearly warn other flyers of the situation. Landing priority shall be given immediately to the flyer/ aircraft model experiencing the difficulty. (See also Rule 29 29)
32. No more than two persons (preferably one) shall retrieve a model on or near the runway. Do not allow unqualified persons to retrieve or help retrieve a model stopped on the runway. When retrieving a model on or near the runway, be extremely cautious and aware of approaching models. It is very difficult for the flyer making a landing approach to see a person on or near the runway. Observers/helpers shall warn persons on or near the runway of approaching models. (See also Rule 21)	32. No more than two persons (preferably one) shall retrieve an aircraft model on or near the runway. Do not allow unqualified persons to retrieve or help retrieve an aircraft model stopped on the runway. When retrieving an aircraft model on or near the runway, be extremely cautious and aware of approaching aircraft models . It is very difficult for the flyer making a landing approach to see a person on or near the runway. Observers/helpers shall warn persons on or near the runway of approaching aircraft models . (See also Rule 29 29)
33. No vehicles shall be driven onto the flying field forward of the safety fence. (Exception: field maintenance vehicles.)	33. No vehicles shall be driven onto the flying field forward of the safety fence. (Exception: field maintenance vehicles.) Under no circumstance is anyone permitted to drive on the overly area or any property not leased by the club.
34. During periods of field maintenance and grass mowing operations, every consideration for safety will be given. Do not make low passes or touch and go landings when the mower is in the vicinity of the runway. Keep the grass cutter advised of approaching models, particularly during take-offs and landings. Grass cutting shall have priority.	34. During periods of field maintenance and grass mowing operations no flying is permitted. every consideration for safety will be given. Do not make low passes or touch and go landings when the mower is in the vicinity of the runway. Keep the grass cutter advised of approaching models, particularly during take-offs and landings. Grass cutting shall have priority.
35. Do not litter on the field. Place all trash in the provided barrels.	35. Do not litter on the field. Anything brought to the field must be taken home with you unless advanced authorization is provided by a club officer. Please pick up and take home any additional trash you find at the field. Place all trash in the provided barrels.
36. The shelter will not be used as a pit area. Equipment may be placed in the shelter during inclement weather and for assembly.	36. The area under the pavilion shelter may be used for aircraft model assembly, however, no liquids may be secreted on any pavilion furnishing surface. Fueling, de-fueling, and cleaning must be performed in the pit area. will not be used as a pit area. Equipment may be placed in the shelter during inclement weather and for assembly.
37. All gasoline powered aircraft must have a properly rated fire extinguisher in the pit area that is provided by the owner of the model.	37. All gasoline powered aircraft must have a properly rated fire extinguisher in the pit area that is provided by the owner of the aircraft model .
38. Prior to first flight of an airplane (or significant rework), the airplane should be inspected by someone other than the owner.	38. Prior to first flight of an aircraft airplanes (or significant rework), the aircraft airplanes should be inspected by someone other than the owner prior to flight .
39. Powered Aircraft must have rounded prop spinners or blunt face hubs such that no propeller shaft threads protrude.	39. Powered Aircraft must have rounded prop spinners or blunt face hubs such that no propeller/ rotor blade shaft threads protrude.
40. The last person to leave the field is responsible for locking the field.	40. The last person to leave the field is responsible for locking the lavatory, container, and field gate .

	41. No one is to enter any farmer's field where visual sight of the flying field cannot be maintained without assistance and constant communication with another member on the flying field and utilizing the aircraft retrieval system located in the lavatory. Under no circumstance is anyone permitted to damage the farmers land or crops.
	41. Each club member must submit emergency contact information (name & phone number) to the club Secretary. An emergency contact list will be maintained inside the frequency board and/or lavatory.
	42. FAA Rules reference?
	43. No open flames of any kind shall be allowed at the field without the consent of a club officer.
	44. All aircraft under power must be flown past the hazard area as defined in Figure 1. When not under power, gliding models may be flown anywhere EXCEPT the hazard area defined in Rule 10.
	45. No firearms are allowed past the Spectator Safety Fence and must be secured in a vehicle.
	* Aircraft used herein refers to any hobby vehicle flown at the flying field which includes, but is not limited to, airplanes, helicopters, gliders, multi-rotor vehicles, and First Person View Vehicles (FPV).



Charger /Field Box

I have been using a pair of Turnigy Accucell 8150 7 amps or 150 watts chargers for years and a few modifications were needed but it now struggles deliver 5 amps to a 6S or greater packs. This probably due the questionable FET heatsink attachment. I have modified these a couple of times and usually ends up with an over temp alarm on the charger on warm days.

At the 2020 EDF Jet Jam, I won an Esprit Model gift certificate that I applied to my purchase of a pair of Toolkit RC chargers. These are tiny 400-watt 18 amp chargers are good from 1-8S packs with lots of features.

Specifications/Features:

- Charger/Discharger and Balancer: Li-poly/LiHV/LiFe/Li-Ion 1-8S, NiMH 1-20S, Pb 1-12S
- Charging Current: Maximum 18A (400W)
- Discharge Current: Recovery Mode 0.1-18A (400W) Normal Mode 0.1-5A (20W)
- Servo Output Tester: PWM, PPM 8ch and S.Bus 18 channel
- Receiver Signal Generator: Signal tester for PWM, PPM and S.Bus
- Motor & ESC power meter 400W/18A with voltage and throttle signal output (Watt Meter)
- Measurement of signal values such as PWM/PPM/ SBUS
- PWM/PPM/SBUS standard signal generator with accuracy up to 1 microseconds
- Customizable stabilized current & voltage power supply (1-30V at 1-18A)
- Integrated USB 2.1A/5V output, charger for mobile devices

My favorite feature, so far, is the ability to plug in a model flight pack and charge your receiver, transmitter or smaller aircraft battery. I have used this function, a lot but you have to remember to set the cut-off voltage of pack supplying the charger as it will deplete to an unacceptable level if you don't. This has been particularly handy for my DLG and 2M sailplanes when I need to top-off the receiver packs. I have had a bit of trouble updating the firmware on them but

I will try that later. The charger doesn't come with any cables and it uses the XT60 plugs for the input and output connections.



The next upgrade will be to go from 12 volts to 24 volts to feed the chargers. I went to ebay and ordered a pair of HP DPS-1200 switching power supplies. These were wired in series to get approximately 24 volts, lots of youtube videos are available to walk you through this modification.

I made the required cables and I have been using this setup for a couple of months, at home in the garage, to ensure everything works as it should. The funny thing about the power supply is, the prices are all over the place and the best deals appear to be when you buy them as a pair. I paid \$38.00 (shipped) for my pair of power supplies back in May 2020. I have seen them as high as \$50.00 for a single but some claim they are 'certified' to justify the increased cost.



The plan is to install the chargers and power supplies into a much smaller carrying case during the winter months, similar to a transmitter case.



GOOD LUCK TO ALL THAT JOINED IN THE CLUB RAFFLE!!!

Event	Club	Type	Day	Date	CD	Remarks
Snow Fly	PFRC		Wednesday	1-Jan		
MARCH						
				1-Mar		
2M Sailplane Contest	MVSA	2M Sail	Saturday	21-Mar		
APRIL						
				1-Apr		
Swap Meet - Granite City	MAW	Swap	Saturday	4-Apr	??	
2M Sailplane Contest	MVSA	2M Sail	Saturday	18-Apr		
MAY						
				1-May		
F3A Aerobatic Fun Fly - Hillsdale	RCB	F3A	Saturday	2-May	CANCELLED	Hillsdale Lake, Olathe KS
Fall Gate Swap Meet	Spirits	Swap	Saturday	9-May	CANCELLED	
2M Sailplane Contest	MVSA	2M Sail	Saturday	16-May		
Pylon Racing	Spirits	Race	Saturday	16-May	CANCELLED	
2M Sailplane Contest	PFRC	2M Sail	Saturday	23-May	CANCELLED	
Innsbrook Float Fly	Innsbrook	Float	Saturday	23-May	CANCELLED	
F3A Pattern Contest - Hillsdale	RCB	F3A	Saturday	30-May	CANCELLED	Hillsdale Lake, Olathe KS
JUNE						
				1-Jun		
Electric Fly In	MAW	Elec	Saturday	6-Jun		Pontoon Beach, IL
Chuck Mack F3A Pattern Contest	Joliet	F3A	Saturday	6-Jun	CANCELLED	Edwood, IL
2M Sailplane Contest	PFRC	2M Sail	Saturday	13-Jun	CANCELLED	
F3A Pattern Contest - Anoka	Anoka	F3A	Saturday	13-Jun	Brian Dorf	Anoka, MN
2M Sailplane Contest	MVSA	2M Sail	Saturday	20-Jun		
F3A Pattern Contest - Pittsburg	Pittsburg	F3A	Saturday	27-Jun	CANCELLED	Pittsburg, KS
F3A Pattern Contest - Chicago	Tri Village	F3A	Saturday	27-Jun	CANCELLED	Hanover Township, IL
JULY						
				1-Jul		
Warbird/Classic/Giant Scale Fly In	MAW	Warbd	Saturday	11-Jul		
F3A Pattern Contest - Lee's Summit	KCRC	F3A	Saturday	11-Jul		Lee's Summit ,MO
Wright City Flyers 29th Anniversary	Wright	Fun	Saturday	11-Jul	Joint Fun fly with PFRC still on schedule	
Meet Me in St Louis Pattern Fly In	PFRC	F3A	Saturday	18-Jul	CANCELLED	Pattern NATS cancelled
2M Sailplane Contest	MVSA	2M Sail	Saturday	18-Jul		
F3A Pattern Contest - NATS	AMA	F3A	Sunday	19-Jul	CANCELLED	
2M Sailplane Contest	PFRC	2M Sail	Saturday	25-Jul	NEED	
Pylon Racing	Spirits	Race	Saturday	25-Jul		
AUGUST						
			Saturday	1-Aug		
F3A Pattern Contest - Omaha	Omahawk	F3A	Saturday	8-Aug	Bob Wheeler	Omaha, NE
Scale Fly-In and Contest	PFRC	Scale	Saturday	8-Aug	Don Grzina	
2M Sailplane Contest	MVSA	2M Sail	Saturday	15-Aug		
F3A Pattern Contest - Cedar Rapids	C. Rapids	F3A	Saturday	22-Aug	Mark Barnett	Cedar Rapids, Iowa
Joint Fun Fly - @PFRC	PFRC	Fun	Saturday	29-Aug	NEED	
SEPTEMBER						
				1-Sep		
Innsbrook Float Fly	Innsbrook	Float	Saturday	5-Sep		
F3A Pattern Contest - Great Bend	Mack SF	F3A	Saturday	12-Sep	Joe Dunnaway	Great Bends, KS
2M Sailplane Contest	PFRC	2M Sail	Saturday	12-Sep	NEED	
2M Sailplane Contest	MVSA	2M Sail	Saturday	19-Sep		
3D Fly In	MAW	3D	Saturday	19-Sep		
F3A Pattern Contest - Tamarack		F3A	Saturday	19-Sep	Joe Burzinski	Menomonee, WI
F3A Pattern Contest	PFRC	F3A	Saturday	26-Sep		
Pylon Racing	Spirits	Race	Saturday	26-Sep		
Jet Fly	MAW	Jet	Saturday	26-Sep		
OCTOBER						
				1-Oct		
2M Sailplane Contest	PFRC	2M Sail	Saturday	17-Oct	NEED	
DECEMBER						
				1-Dec		
Christmas Dinner	PFRC	XMAS	Saturday	5-Dec	Bill Ahrens	
Joint Fun Fly - @Wright City	Wright	Fun				Date TBD

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