

THE CARRIER WAVE



PHANTOM FLYERS R/C CLUB



AMA #393 SAINT CHARLES, MO

March 2023

Newsletter of the Phantom Flyers R/C Club

<http://phantomflyersrc.com>

CLUB OFFICERS

Contact Number

President - Ed White	(636) 219-2255
Vice President - Don Grzina	(636) 233-0193
Secretary - Mitch Galatioto	(636) 734-6322
Treasure - Jose' Espinosa	(636) 947-6067
Safety Officer - Dave Evans	(636) 448-4800
Field Manager - Don Grzina	(636) 233-0193
Chief Flight Instructor - TBD	
Event Coordinator - Dan Abel	(314) 707-0138

Send Membership Renewals to:

Ed White

10 Wolf Ridge Ct

St Charles, MO 63303

Board of Directors:

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

Phantom Flyers R/C Club Meeting Minutes - 20 February 2023

Attendees: 9 club members were in attendance on the Zoom meeting which started at 7:03 pm. People recorded were: Ed White, Harold Weaver, Mitch Galatioto, Dan Abel, Paul White, Bill McMenamy, Jose Espinosa, Don Grzina, and Jan Jansen.

New Members: None in attendance.

Technical Session: No presentation this month.

Secretary's Report: The January meeting minutes were approved as written.

Treasurer's Report: Jose provided the club's current financial status. With a few membership renewals still to be deposited, the club is doing well.

Safety Officer's Report: No issues to report this month. Mitch Galatioto will continue to include a Safety Rule in each Carrier Wave as a gentle reminder of rules we must abide by per our By-Laws and FAA LOA but may have become a little complacent on or forgot about throughout the years.

Field Manager: Don Grzina was at the field today and it is in good shape. The moles are still there, but do not seem to be as active currently. Don will speak to Jack Buydos to determine where the Columbia R/C club rents their paving type roller to see if we can rent it and roll the field which will smooth the mole tunnels and make it less bumpy for mowing. Mowing will begin in April, so a mowing schedule should be forthcoming.

Activities Report: Dan Abel developed a draft 2023 Events Calendar that has been de-conflicted with other local club events. The calendar was reviewed and dates were selected as needed.

Swap Meet - It was decided that the Swap Meet would be August 20th. Mitch Galatioto will send a note to the facility and reserve the date.

65th Precision Aerobatics Competition - Vince Bortone, NSRCA VP, has requested clubs review their competition dates and alter them to allow for smooth transition of scoring equipment from location to location. Our club selected June 24/25 for this year's contest.

Soaring Contests - Jan Jansen in conjunction with Larry Anderson will develop and distribute rules governing the glider contests to the club to ensure the event can be more inclusive of a larger number of club members.

GSLMA Report: The full report is in the last Carrier Wave. Harold Weaver relayed to the club the workings of the GSLMA field battery charging station.

Old Business: None.

New Business: None.

Meeting adjourned at 7:34 pm.

Respectfully submitted,
Mitch Galatioto, 2023 Secretary, Club Member, Board of Directors, Mowing Crew and actual R/C pilot!

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

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

Safety Rules to Fly-By

(submitted by Mitch Galatioto)

A few excerpts from our Safety Rules. Always good to read through them on occasion to ensure we are all following them. If you need an electronic copy of them, please ask any officer. Thanks for keeping our field safe!

Safety Rule of the Month:

14. Pilot and bystanders must ensure no one is standing in line with a spinning propeller, fan blades, rotor blades, etc.



At the Field

It appears that Mitch is now into control-line flying in its earliest form, kite flying!



Douglas D-588-1 Skystreak flies on 03/01/23

I had to redesign my flight battery arrangement as it was not making the max aft CG...without +4 oz in the nose. The new layout is not user friendly but it solved the problem with an increase of .5 ounces.

No video, but first run resulted in the use of about 350ft of the 400ft runway and ended in the grass. The model would not rotate! This cracked the nose gear block which I glued back in for another attempt.

The next run I opted to use half flaps as the nose sits about a degree lower, at about 200 ft mark I started to feed in elevator (lots of it) and nose popped up and now I am feeding down so not to stall.

Made the first turn it is clear I have way too much throw in the elevator! Now I'm on the downwind leg and about 75ft high, I raise the flaps and it pitches down sharply, I overcompensate and started a few PIOs.

At this point I retracted the gear and knew that a runway landing would not be practical so I flew around a bit to get the feel of it. Landed in the grass but one of the main gear failed to fully retract from the first attempt to takeoff. It is no rocket, at 5 pounds 10 ounce on a 70mm EDF on 6S, I am sort of shocked that it did as well that it did.



Some things have been modified in preparation for the next flight. The nose wheel strut has been lengthened and small diameter main wheels installed to give it a more positive incidence on the ground. Gear doors have now been added and the removeable intake diverter will be installed soon. The 6S Li-Ion pack slides into the intake and then the splitter plate is installed. A new exhaust tailcone was 3D printed using LW (Light-Weight)-PLA The final flight battery connection is made in the nose gear bay which is why the nose retract bay is removable. These items added almost 1.75oz. I have an unused battery compartment under the canopy that could be removed and save about 1/2- 3/4oz.





It still needs more body work and the anti-glare portion should be painted on and not taped on black paper. Maybe after flight #2. Time to get that sailplane ready!!

GSLMA Report

supplied by Harold Weaver

Here are the GSLMA March 7 meeting minutes tonight which I attended live instead of by phone for the first time in almost 3 years. Since my wife died 12-31-2022 I am slowly but surely finding time to do things I wasn't able to do while taking care of her. I have already started flying again at the gym on Wednesday mornings 6 to 9 AM and hope to get out to fly at the club field and Buder soon.

Harold

GSLMA Meeting – Tuesday, March 7, 2023

Location: Kirkwood Community Center

Notes by: Jeffrey C. Young

Meeting called to order: 7:01pm

Roll Call – St. Louis Rocketry, Aero Pilots, Lafayette Escadrille, Phantom Flyers, and Whirlybirds present.

February minutes – Read, motion, second, pass, none opposed.

Treasures Report:

None

Buder Park Permits:

None

Old Business:

- National Model Aviation Day (August 12) – flyers placed at hobby shops and clubs contacted. Fred looking into reserving all fields but has not been able to get a hold of correct person.
- Control Line Area – getting ready to order solar panel items (some items already purchased). Motion to amend control line area solar panels (voted on in November 2021) from \$1500.00 to \$1800.00. second, pass, none opposed.
- GSLMA Charter from AMA has been received and in process of being submitted.
- No news from McConnel finalizing paving.
- No news on FRIA application for Buder Park.
- Clean up scheduled for March 25 at Buder for swamp.

New Business:

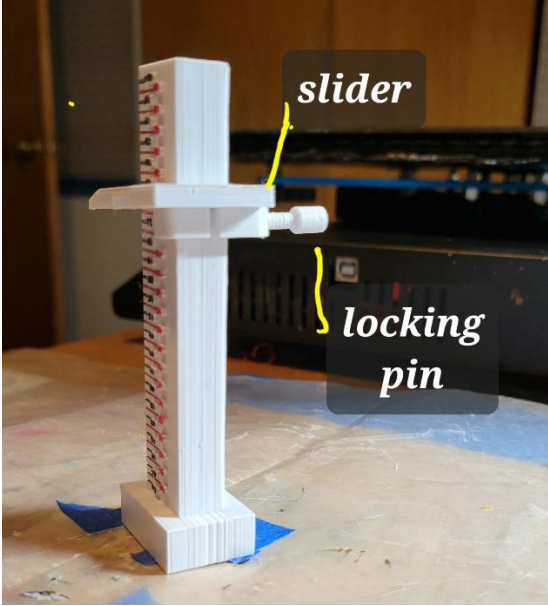
- Look at getting a camera for RC area for security / park status. Items to consider who manages, storage, etc. More research to be done.

Meeting closed 7:41pm

Members Projects

Club member Jose, has been putting his 3D printer to good use!

Helping Hands Jig and a control surface deflection tool



Events

Event Coordinator-Dan Abel

PHANTOM FLYERS RC CLUB

2 METER SAILPLANE EVENT



April 2, 2023
Starts at 10:00



AMA Required

Maximum 2m wingspan.

Rudder and elevator controls only-No ailerons, flaps, or spoilers.

If the airplane has a speed brake/spoilers, it is not to be used in the contest.

Vee tail is allowed in lieu of elevator and rudder.

Primary wood construction airframe (as in Vista), or foam airplane (as in Radian).

No primary carbon or other composites structures. A carbon boom glider cannot fly in the event.

Boom or spar cannot be 100% carbon.

Reinforced structure allowed such as fiberglass skinned fuselage over wood and wood spar strengthened by carbon fibers is allowed.

Club to provide hi-start. Hi-start tension will be limited.

Simple hooks for hi-start. No loitering on the hi-start

Electrics to be altitude limited.

Electric launch required to be altitude limited to 100m. This can be accomplished with devices such as the Soaring Circuits CAM or FrSky systems. **Not** an F5J system.

Electrics to launch in the same direction as the hi-start.

Landing coral will be used.

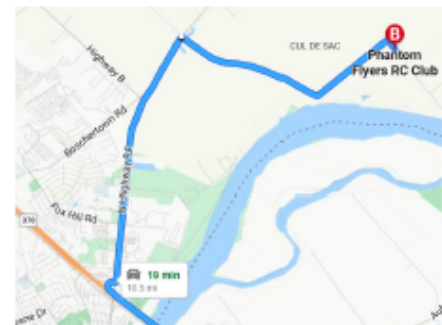
No lawn-dart landings.

Flight duration is 7 minutes (can be adjusted if CD chooses).

Other details provided at the contest.

Join us for a fun day of soaring. No landing fee!

Questions send email to: activities@phantomflyersrc.com



2023 Buder Park Event calendar

Greater St Louis Modeling
Association
www.gslma.com



Rockets

April 1	We are seriously launching some rockets!
April 30	Launch Day
May 27	Launch Day
June 24	Launch Day
July 30	Launch Day
Aug 12	All Buder Park Rockets Fly Day
Sept 30	Launch Day
Oct 28	3 rd Annual Spooktacular Launch

Radio Control

May 21	High Wing Day
June 9-11	Whirlybirds Fun Fly (not confirmed yet)
June 24	BBQ / Fun Fly
July 15	Jet Day
Aug 12	All Buder Park RC Fun Fly
Oct 21	Chili Cook off – Fun Fly – Swap Meet

Control Line

Feb 26	ISO-O-LATED CL Stunt & Speed
May 20-21	Midwest CL Speed
June 3	Spirit of St Louis CL Fun Fly
Aug 12	All Buder Park CL Fun Fly
Sept 16-17	Broken Arrow Stunt & Scale Contest
Sept 28-29	USA F2A World Cup (CL Speed)
Sept 30-Oct 1	Canada F2A World Cup (CL Speed).
Oct 7-8	Ringmaster Fly-A-Thon
Oct 28	Turkey Shoot (Fast, Slow, scramble, Balloon Bust)

Quad / Drone

Aug 12	All Buder Park Fun Fly
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Clubs / Groups flying at Buder

Lafayette Esquadrille

LafayetteEsquadrilleCL.Wordpress.com



St. Louis Rocketry Association

Stlouisrocketry.com



STL Aeropilots

stlouisaeropilots.org

Whirlybirds

stlouiswhirlybirds.com

Don't forget to renew your membership!!

https://www.phantomflyersrc.com/wp-content/uploads/2021/03/phantomflyers_membershipform-fillable.pdf



<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:

kevcov@charter.net