

# **THE CARRIER WAVE**



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



**AMA #393 SAINT CHARLES, MO**

**January 2020**

Newsletter of the Phantom Flyers R/C Club

<http://phantomflyersrc.com>

### **CLUB OFFICERS**

### **Contact Number**

President - **PENDING CLUB VOTE**

Vice President - Mitch Galatioto

(314) 234-5141

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

(636) 219-2255

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

Jim West

914 Hollow Avenue

Jerseyville, IL 62052

### **Board of Directors:**

#### **Work**

#### **Home**

Ed White

Retired

(636) 219-2255

Dan Sundman

(314) 749-4029

(636) 352-0150

Mitch Galatioto

(314) 234-5141

Dave Evans

Retired

(636) 448-4800

## Phantom Flyers Club Meeting Minutes November 18, 2019

President Jan Jansen opened the meeting at 7:00 pm at the Mark Twain Hobby. There were 8 members in attendance.

### Tech Session

There was no Tech session

### Secretary's Report

The Club is currently at 37 regular members. The October Meeting minutes were approved.

### Treasurers Report

Jose again reported that Club finances are in good shape.

### Safety Report

The Safety Officer was unavailable at the meeting.

### Field Managers Report

- Don Grzina reported he put Stabil in the tanks of both mowers and put a block under the mowers to prevent damage in the event of a flat tire.
- Don will add instructions about fuel shut off valve on the Exmark
- Don replaced damaged fuel filter cover on the weed whacker.
- Ed has a replacement electric lock actuator for the container door and will replace it.

### Activities Report

- The Christmas Party will be held on Dec 7 at Trailhead at 6:15 pm
- Snow Fly will be held Jan 1

### Club Officer Elections

President: This Position is Open (Jan has retired and we need a replacement. Please volunteer if you are interested.

Vice President: Mitch Galatioto

Secretary: Ed White

Treasurer: Jose Espinosa

Board Of Director: Mitch Galatioto

Board Of Director: Ed White

### Old Business

#### FAA Letter of Agreement

Our field is located within the boundaries of Class B Aerospace. In the proposed LOA the FAA wants to limit our max flying altitude to 400 feet. They have also defined a rectangle where we are to fly. The rectangle is not that limiting except when we fly gliders. The AMA is scheduled to meet with the FAA on Dec 5 to discuss the attitude limitations. Jan does not wish to sign the Agreement. The Board of Directors has not authorized Jan to sign the LOA. Ed recommended we put forth a list of questions for the FAA in response to the proposed LOA. It was decided the Club Officers including the Board of Directors will met to formulate a response to the FAA.

### Sad News

Long time club member Bill Sostman has passed away. Viewing will be Wed at 2:30 - 8:00 at Baue Funeral Home in O'Fallon, MO and the burial at 10:30 Thursday at Jefferson Barracks.

Meeting was adjourned.

jjw 12/16/19

# **2019 Year in Review**

**(2019 President Jan Jansen)**

Wow what a year, or rather “Oh no, what a year”.

With field flooded and a constant barrage of 400-foot altitude restriction this has been a tumultuous year for the Phantom Flyers club.

In case someone forgot, we were basically flooded out the month of June. When it came, it came quickly and when it ended it fortunately did not leave any lasting damage behind. However, there was a lot of debris to get rid of and a good many things water damage in the container. Luckily, mostly useless stuff if I remember correctly. Thanks, one and all who helped with cleaning up the mess! If memory serves me right, we only lost out on one contest due to the flooding.

## **Contests:**

Our now popular glider contest saw good participation with a sprinkling of MVSA guests. I only found results from three contests. I thought we ended up with four this year? Anyway, six different pilots took the three top spots in the three contests noted. Nice spread, maybe next year will be even more competitive.

Two float flies look well attended from the photos. I need to make it to one next year.

Two always fun “Fun Flies” with the Wright Flyers.

Second (?) annual Scale Fly-In and Contest. This one is starting to take hold. Hopefully more participation next year including myself.

And, I cannot believe I missed this one, pattern contest. Still going strong with several club members and active participation from out of town/state.

## **400-foot Altitude Restriction**

Since this remains unresolved at this time, with a lot of moving parts, I am not going to drag it out here. The club officers are still working on the Letter of Agreement for our field. Hopefully this will be resolved soon. EAA put this out:

**“December 19, 2019** - EAA affirmed that legacy model aircraft can safely be integrated into the NAS — as they have been operated inside controlled airspace and near airports for decades without causing a safety risk to full-scale aircraft — in a Safety Risk Management panel (SRM) in Washington, D.C.”

### Future

I, couple of years ago, I wrote about the need to attract new and hopefully younger pilots. The club and myself have not done well in this respect. The flight training Ed White arranged at St Paul’s school in Fenton being the exception. For there to be a future we need to consider what we can do to remedy the situation.

In closing, thanks for being your president for a couple of years. I am looking forward to the next flying season already. I hope to participate in a more diverse set of contests and events.

Thanks

Jan

**Thank you, gentlemen,! Jan, for serving as Club President  
Jim West, for serving as Secretary**



# GLSMA Meeting

(supplied by Harold Weaver)

## GLSMA Meeting – Tuesday, November 5, 2019

Location: Kirkwood Community Center

Notes by: Jeffrey C. Young

Meeting called to order: 7:05pm

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

October minutes – read and approved. Minutes revised to add maximum cost for first aid supplies.

### Treasures Report:

BB: \$28,240.39

Debit Paving: \$8,890.00

EB: \$19,157.39

Motion, second, and passed.

### Buder Park Permits:

Permits 2019: 201

Permits 2018 Total: 225

Permits 2017 Total: 245

Permits 2016 Total: 233

### Old Business:

- Pavilion Roof – Order materials and dumpster. We now know where to deliver material. Clarification of maximum amount approved for pavilion roof \$2500.00. Motion, second, pass via proxy vote. Roof may be replaced this year if weather permits.
- Stands – security hardware purchased, made, and installed. Total spent was \$105.
- First Aid Kits – almost done. Need to purchase a few misc. items to complete and then install.

### New Business:

- Laf. Squad. – Saturday, June 27th 2020 have Fun Fly in CL area for 60<sup>th</sup> Anniversary at Buder. Try to get all areas of Buder used. Fred to reserve date and talk with Bonnie on reserving entire park.
- Porta Potty on east end between the soccer fields is not GLSMA's.

Meeting closed 7:59 pm

# 2M Sailplane Winch?

(submitted by Kevin Cox)

After our clubs last sailplane contest and issues with crosswind launches and Hi-Start, I decided to see if anyone had a small winch for a sailplane. The answer, yes but I could buy a lot of other stuff for that price!

I then followed this up with a YouTube search and found a couple of guys that made their own from various DIY components. The one that caught my eye was a setup that used a cordless drill and a few sketches later I had a plan. Next, I reached out to fellow club member, Larry Anderson and Brian Malloy since they have experience with winches and was given great suggestions that required me to tweak my original sketches.

I should probably list my mission goal for this project:

1. A smaller footprint and opposed to a Hi-Start
2. Easily adjustable for changing wind direction (see above)
3. Easy setup
4. Low Cost

The part list included, drill motor, empty electrical wire spool, 3/8" threaded rod with nuts and washers, various wood pieces, hinge, momentary switch with wiring and a 4S battery. I also used scrap Unistrut to make the spool holder and the turn-around.

First order of business was to fab end caps out of wood for the spool. This was done with 2 different sized hole saws. The threaded rod inserted and the end caps epoxied in to place.

To shorten this part of the story everything was mounted to a flat piece of plywood and 1100 feet twine was added to the spool.





I didn't have a suitable parachute for the line so I used a plastic shopping bag and that is when I realized that my turn-around pulley spacing wasn't wide enough to pass the ring through. So I added a fishing barrel that had a safety lock for quick disconnecting. I would pass the line through the turn-around and then add the shorter line with a ring, the parachute/drag device and the final ring.

### Test Day 1

I walked the turn-around out to about 300 feet and tried it 3 times. The last one I reached an altitude of 238 (telemetry) so the next test I will place the turn-around at 400 ft and hope to get 300ft of altitude.

### Test Day 2

I walked the turn-around out the length on the runway (400 feet) and there was no wind to speak of but the model reached 270 feet on the first launch! This was looking pretty good. The next flight I held the model and stood on the pedal to really charge the line and "BANG"!! something broke!

I thought the hook removed its self from the model but it didn't. I walked the line down and saw that the fishing barrel disconnect failed. This barrel is rated for 22 pounds and the line is rated for 26 pounds so I guess it worked as designed. I am having a hard time believing that the drill (very old one that was in the trash bin at work) did this.



### Test Day 3

This was an epic fail compared to the other test days. The first launch I got 110 feet. The second 72 feet and the 3rd launch was 20 feet and I struggled NOT to hit the frequency board!



## **Reflection of testing**

Upon inspecting the system after day 3 testing, the 4S pack was at 40%, I grabbed the wrong one. The motor on the drill may have been stressed too much or the line on the spool should be unwound and tightened again.

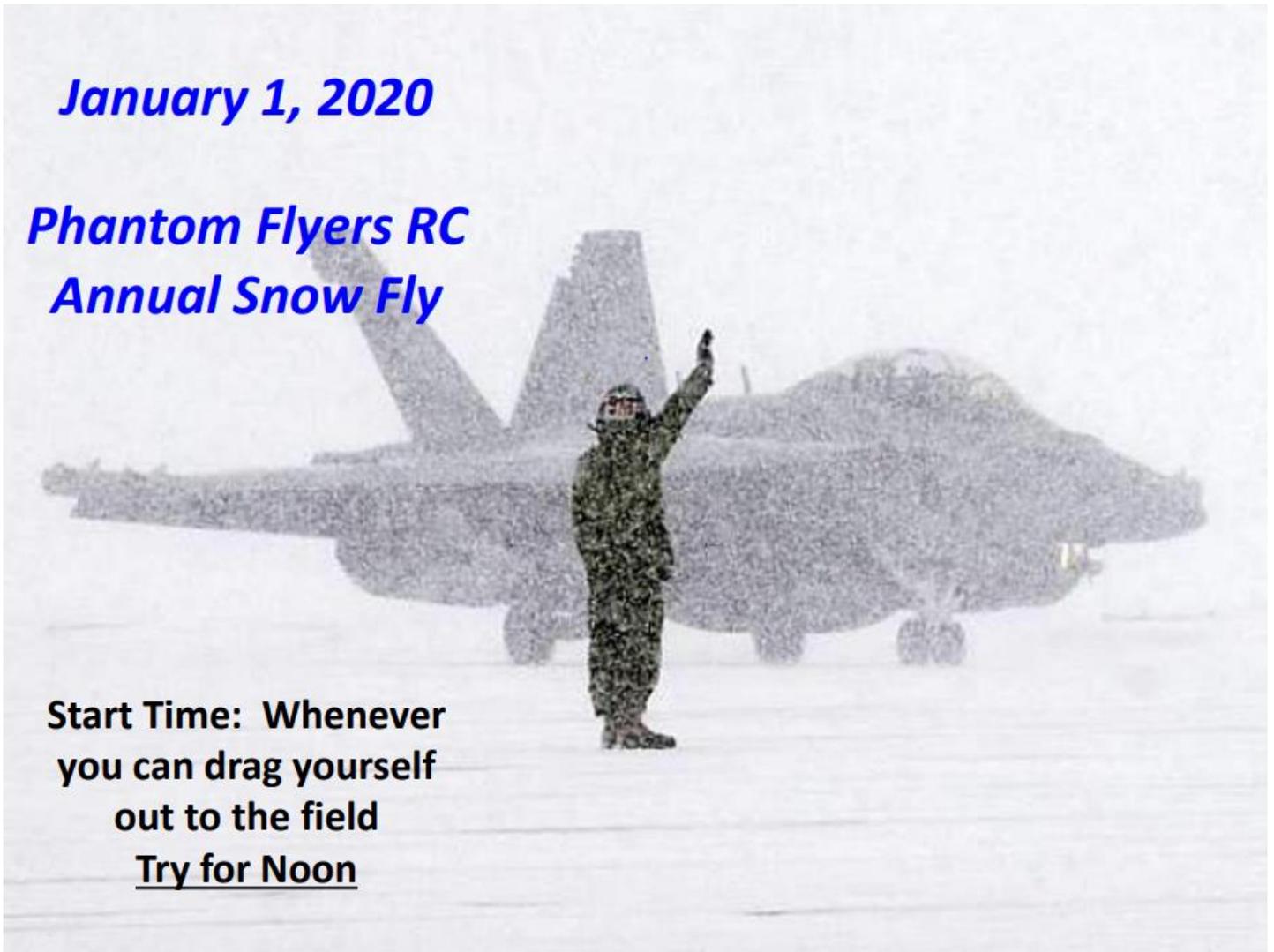
This setup shows promise but as the weather is changing more testing will have to wait. In the mean time I will replace the cordless drill, the price of a decent refurbished drill without the battery and charger is very reasonable.

The operation of this winch isn't difficult just different. I do like that it is a lot easier to pack up the line compared to a Hi-start. I don't like that I have yet to get to my 330 ft goal but I think it is obtainable but it needs to be consistent to be useful.

***January 1, 2020***

***Phantom Flyers RC  
Annual Snow Fly***

**Start Time: Whenever  
you can drag yourself  
out to the field  
Try for Noon**



When I (Editor) arrived at the field...Noonish

There were about 9 pilots present with the exception of a couple of models most appear to have been sailplanes. Lots of pilot chatter in the pits and a little flying here and there appeared to be the mood for the day. Ed White and Dan Abel were troubleshooting a charger problem and your Editor was busy chatting himself and forgot to take pictures until everyone was packing up. I did assist Ed by launch his 'go fast turn left' model and got a few shots of it.

The CD, Bill Ahrens, gets credit for ordering non-winter like weather!



# **Phantom Flyers RC CLUB**

(Be sure to explore our website: [phantomflyersrc.com](http://phantomflyersrc.com))

## **2020 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 =** \_\_\_\_\_

**Eligible Member**

**Additional Family Member**

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:**  
 Jim West  
 914 Hollow Ave.  
 Jerseyville, IL 62052  
 Full members only, please send S.A.S.E.

<i>For Club Administrative Use Only</i>	<b>Dues Received</b> _____ <b>Date</b>	<b>Current AMA Received/Shown</b> _____ <b>Date</b>
---	---	--



<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)