



Volume 2020-06

Middlesex County R-C Fliers Club Newsletter – June 2020



Email: info@mcracf.org

Web page: www.mcracf.org

Newsletters: www.mcracf.org/misc.htm

Facebook: <https://www.facebook.com/groups/MCRCF/>

YouTube: <https://www.youtube.com/user/MiddlesexRCFliers>

Upcoming Club Events:

Wednesday, May 6, 2020, 7:30pm - MCRCF Online Meeting

**All In-Person Events are considered
CANCELLED* until further notice - all dates
below are tentative and for planning only**

Indoor Flying Event - postponed

Mount Hope Christian Center, Burlington

[Click here for location details \(pdf\)](#)

Construction Derby

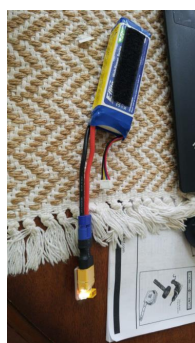
Sunday June 7th, 2020 (June 14th Rain Date)

Family Day

Sunday July 26th, 2020 (August 2nd Rain Date)

Fun Fly

Sunday September 6th, 2020 (September 13th Rain Date)



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2 A WORD FROM THE INTERIM PRESIDENT

Please be aware that Neil Cumbie has had to step down as our MCRCF President. This is a personal matter, and I'd like everyone to respect his privacy at this time. Naturally, the next in line is the VP to take the helm, at least until the next election. This, of course is me.

Field opening:

As of June 8, we will be allowed to congregate at our field. Distancing must be observed, and please don't show up without a mask. You won't need to wear the mask all the time, but if we find ourselves in a situation where we are together talking, whether at the benches outside, or in the gazebo, we need to wear a mask. As you know, droplet inhalation is the primary way for Covid-19 to spread. Respect others, and wear a mask in these circumstances. A hand sanitizer is also highly recommended to bring along to the field, and avoid touching your face with unclean hands.

Chairs:

Another change you will see is that all the PVC chairs will be disposed of. If you want to bring a folding chair for yourself, that is fine, but don't leave it behind, or I will dispose of it. Also, refrain from using other people's chairs.

Trash:

YOU are responsible for your own trash. Maybe think about keeping a small trash bag in your car. We will not be having a trash bag on site.

Bylaws:

We will be working on the club bylaws soon to clear up some issues. We have a committee formed, and we should have things in line this summer. The intent is to change out tax status so that we can do online memberships.

Electrical power:

It's really high time that we get some power at the field. I have already spoken to David Grubb, who runs the Recreation Department. He has no problem with it, but needs to run everything through the Conservation Department. I don't expect this to be a real hurdle, just more of a formality. Once that is done, we need to find an electrician so that we can get an estimate, and bring it to a vote at a monthly meeting. So far, I plan to talk first to the electrician who installed the equipment at the bocce court and midway at the big field adjacent to the gazebo. More on this later...

In Closing:

I think we're going to have a great summer weather-wise. Enjoy the flying season, and have fun!

Paul

3 CLUB MEETING NOTES – MAY 6 – SAKET SANKHLA

With minor additions by Mel Suarez

Attendance: 22

1. Neil: Be sensible in the field, wear mask...
2. Saket: 49 members. He is calling all those who have not re-enlisted.

3. Yaz invited Andy Argenio and Daren Hudson from the AMA who (and another club) joined us for part of the meeting: Have many ways to help clubs, money for clubs to service, iPads to have Zoom meetings, support. As for Zoom, Andy mentioned that he has used Zoom to train event judges, even in other countries.
 1. The guys talked about IFlyAMA. (<https://amablog.modelaircraft.org/blog/tag/iflyama/>)
4. Mel: we should do a bit more to gather more attention to our Zoom meetings. Open to suggestions.
5. Neil: clean up date, do we need it this year? We will do it if it is something urgent.
6. Randy: there is one bench that needs to be fixed.
7. Paul: The Club will no longer provide trash bag. Jeff volunteered to post a sign to remind people what you carry in, you carry out.
8. We discussed the possibility of having a virtual fly-in using RealFlight and Zoom.
9. Below is a screen capture of the Zoom session:




Show N Tell: Ken showed off his 1 channel, 5 watt transmitter with a 9 ft antenna.

Pictures of the new sign below. Nice work, Jeff.



4 FROM THE HANGAR

<p>Dan Micalizzi with his Carl Goldberg and a 15cc engine.</p>	
<p>Sharad's Tesla Model 3. It flies, but on pavement only. He was embarrassed that I wanted to take a picture of it and him. But I convinced him that I needed content and the guys in the Club would love it.</p> <p>I loaned him some stuff and gave him a glow plug igniter and in return I get to drive it. I've ridden in one but haven't driven one yet.</p>	

5 ARE YOU GOING? AMA EVENTS

Below are the results for a search on the Event Finder at <https://www.modelaircraft.org/>

Event Results: **District 1, 6/1/2020 - 8/31/2020**

JUNE6 6TH ANNUAL FARMINGTON VALLEY WARBIRD FLY-IN CLASS C Contact: PETER CHURCH Location: 3 Meadow Rd Farmington CT 06032 Visit Website
JUNE6 - 7 GRANITE STATE 2019 IMAC CLASS AA Contact: JAMES CYR Location: 58 Locke Rd Concord NH 03301 Visit Website
JUNE13 DAVE ANDRADE MEMORIAL FUN FLY & WARBIRD DAY ***EVENT CANCELLED*** CLASS C Contact: EDWARD WATTS Location: 482 Smith Neck Road Dartmouth MA 02748

JUNE14
FUN FLY CLASS C Contact: JOHN HOLCOMB Location: 261 N Meadows Rd Medfield MA 02052 Visit Website
JUNE18 - 21
2020 PLUM ISLAND JET RALLY CLASS C - RESTRICTED Contact: Location: 19 Plum Island Turnpike Newbury MA 01951
JUNE20 - 21
107TH RC FLYERS GX SHOOTOUT CLASS A Contact: Location: 1330 Salem Turnpike Saugus MA 01906
JUNE21
FCRCC ANNUAL FATHER'S DAY FUN FLY CLASS C Contact: THEODORE TOOTHAKER Location: 10 Aviation Way Montague MA 01376 Visit Website
JUNE27
DON WILD MEMORIAL CUBS AND CLASSICS FUN-FLY CLASS C Contact: CRAIG KORSEN Location: 3 Meadow Rd Farmington CT 06032 Visit Website
JULY4
CRRC ANUAL JULY 4TH DEMONSTRATION ***EVENT CANCELLED*** CLASS D - DEMO Contact: DAVID SPIELMAN Location: 233 North Road Sudbury MA 01776 Visit Website
JULY12
DAWN PATROL ***EVENT CANCELLED*** CLASS C Contact: JOEL LANG Location: 190 Green Rd Ellington CT 06029

6 FLYING TIPS

6.1 LIPO KILLER DISCHARGE — SEVERAL CONTRIBUTORS

Sometimes old LiPo batteries can cause serious problems. One way to insure that battery is dead is to discharge it fully. While some make their own, the guys in the club talked about an option that costs \$4.99.

Randy Grossman: Got my LiPo killer today and am using it on a old pack I had sitting with other hazardous waste waiting



for the town recycle day. (Photo courtesy of Randy):

Danny Pelletier: I think I got mine from Race Day Quad... just lookup "Lipo Killer"

Mack: Best Buy has a drop off box for old batteries just as you enter the store.

Stephen Faust: provided this link.

https://www.racedayquads.com/products/lipo-killer-safe-lipo-discharger-disposer-xt60?variant=16168931131505¤cy=USD&gclid=CjwKCAjwqtqj2BRBYEiwAqfzur8JhQlcq60rCR1-X3polUqhdhNY4dvxU6da1BLVoahvH1EFLeUQIQRoCAM0QAvD_BwE

6.2 BRINGING A DEAD LiPo BACK TO LIFE – CAREFULLY! – MEL SUAREZ

Sometimes you drain a LiPo battery beyond the lower limit of what battery chargers will allow. And so, the battery charger refuses to charge it – normally a good thing as the battery could be damaged and a charge could cause a fire as many have found. However, if the battery is not puffy and quite new, it might not be a done deal. This video suggests charging on concrete which is what I did with mine. <https://www.youtube.com/watch?v=vusc1BFJX40>

I ran one of my nice, new 2200 mah 3S LiPo's down to absolutely zero. I carefully placed it on a slow charge of 0.1C and NiMH setting until there was a bit of voltage. It only took about 5 minutes to get the voltage to where the LiPo charge setting would work.

Please submit your tips to me at melsuarez@Verizon.net , on WhatsApp or text (617.335.9770) and put "TIP" in the text, in the subject or text so I can find it later. Don't everyone write at once! (just kiddin' 😊)

7 FROM THE EDITOR

7.1 EXPANDING THE ENVELOPE

Started working a bit (very, very little) on expanding the envelope. The Timber got me “back in the game” and the Pulse 15E is now definitely the “tool of choice” for some fun. So I dusted off my list of about 100 maneuvers and after doing a few, one caught my eye in particular, “Low, High-Alpha Inverted Pass”. I had to first analyze what’s involved in a high-alpha normal pass (i.e. lots of elevator, use of rudder and little aileron) so I could figure out that inverted high-alpha requires extending the down elevator when inverted. Simple thing, but unless you’ve tried it, it’s not intuitive to the muscle-memory.

The list that I compiled, with help from Stephen Faust and Jim Orsborn, has been quite useful. Here’s a snapshot of a page. What I’ve started to do is attempt to track what I can do on the simulator and what I’ve done at a flying field. See columns H and I. You can ignore columns C and D for now. Column E provides a reference to how the maneuver is done. The list has 91 entries at this time. Some may be duplicates. Here’s the link to the latest list. It is indeed a work in progress. https://drive.google.com/file/d/1hjauYHj_xpZwFFjrZPySdrb-d9ny6fVJ/view?usp=sharing

Here’s a snapshot of the first 30 or so:

	A	B	C	D	E	F	G	H	I
1	Maneuver	Group	Level	Sequence	Ref	Comments	From	On Sim	At Field
2	Straight Line pass	1) Straight line, horizontal	100	01.01				x	x
3	Inverted High-Alpha	1) Straight line, horizontal	1			Diving spins are NOT Stalls	M.Suarez	x	
4	Inverted low pass	1) Straight line, horizontal	1				J. Osborn	x	[]
5	Inverted pass	1) Straight line, horizontal	1				J. Osborn	x	x
6	Knife Edge, High-Alpha	1) Straight line, horizontal	1					x	
7	Knife Edge, Low Pass	1) Straight line, horizontal	1					x	
8	Knife edge, (Bottom in) pass	1) Straight line, horizontal	1			canopy away from you (left rudder)		x	
9	Knife edge (Top in) pass	1) Straight line, horizontal	1			canopy faces you (right rudder)		x	x
10	Slow pass, High-Alpha	1) Straight line, horizontal	1					x	
11	MCA (min. controllable airspeed)	1) Straight line, horizontal	1			near-stall, slowest flight possible at constant		x	
12	Snap Roll	1) Straight line, horizontal	100	01.02				x	x
13	Diving Roll	2) Straight Line, vertical				Snap rolls can be added as element to any :		x	
14	Diving Snap Roll	2) Straight Line, vertical			https://youtu	Flat spin is not stall spin			
15	Flat Spin	2) Straight Line, vertical							
16	Hammerhead Stall	2) Straight Line, vertical					M.Suarez	x	
17	Humpty Dumpty Turn	2) Straight Line, vertical				Loop maneuvers also include mu	M.Suarez		x
18	Stall Turn	2) Straight Line, vertical					M.Suarez	x	x
19	Tail Slide	2) Straight Line, vertical			https://www.youtube.com/watch?v=HCMaSWu		M.Suarez	x	x
20	Knife Edge Loop	3) Looping					M.Suarez		
21	Inside Loop	3) Looping	100			More precise version would be o	M.Suarez	x	x
22	Outside Loop	3) Looping					M.Suarez	x	
23	Inside Square Loop	3) Looping						x	x
24	Rolling Loop	3) Looping	400						
25	Knife edge loop	3) Looping	400						
26	Loop with snap roll at the top	3) Looping							
27	Outside square loop	3) Looping							
28	Procedure turn	3) Looping	100						
29	Figure 8 Climbing loop	3) Looping				(?? Add comment)			
30	4 Point Roll	4) Rolling	300			Some point rolls include roll direction reversals			
31	8 Point Roll	4) Rolling							
32	Roll	4) Rolling	100					x	x
33	Slow Roll	4) Rolling	200						
34	Arch	5) Combination				climb at 45 deg. incline then 45 deg. Decline			
35	Half Cuban 8	5) Combination							
36	Cuban 8	5) Combination						x	
37	Immelman	5) Combination	200					x	x

8 MISCELLANEA

8.1 SUPPORT YOUR LOCAL HOBBY STORE & GET DISCOUNT

This is one great hobby store and the owner, Bill Horton, has agreed to provide our Club with a discount. Show a current MCRCF membership card and receive a 5% discount for any purchase over \$25.



<http://abcrchobbies.com/>

Address: 11 Rockingham Rd, Windham, NH 03087

Phone: (603) 458-6481

8.2 PLANE RETRIEVAL

Call Paul Sullivan – his friend, Mike, charges ~\$50 to retrieve a plane.

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