

# Charles River Radio Controllers

# Flight Log

October, 2022



October Meeting:

Wednesday, October 19th, 7:30PM

In Person at

Goodnow Library, Sudbury

## President's Message

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Dear Members,

As mentioned in the September edition, CRRC has been gifted reserved flying time during 2023 at School Street. As of this writing, the exact days are up in the air. Other users of the School Street field asked the town of Acton to mediate a discussion about changing some of the dates we had reserved. However, when the meeting time arrived, they never showed up. Hopefully we'll have some clarity in the coming weeks and have a schedule finalized long before the 2023 flying season gets going.

Dick Williamson has been a key member of our club for a good long while, and now needs our help with transportation. He got a shiny new sailplane as an 80th birthday gift, but needs someone to give him a ride to Davis on the weekends, and maybe hand launch his plane. He's only a short way from Davis, so if you can give him and his sailplane a ride, please get in touch with him to coordinate.

Fly well,

- Mike Whidden, CRRC President



*Cover photo: from Scott Ritter, a frame from onboard video as Scott's quad "chased" Adam Smith's Timber over Davis this month. See more below from that session.*

## October Meeting - Wednesday the 19th

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Our next general meeting is scheduled to be ***in-person at Goodnow Library, Sudbury on Wednesday, October 19th, at 7:30PM.*** Bring a show-and-tell to share with others on your summer activities or winter build plans! That and your current membership card each earn a free raffle ticket.

***Club meetings are open to the public, we welcome visitors and guests to learn about model aviation and CRRC!***

## September/October Meeting Raffles

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October's raffle will be a fun one, with first prize being the ever-popular UMX Radian BNF kit (that's the micro version), followed by a G.T. Power Servo Tester, and 2 LiPo Battery Bags.

Meanwhile, at the September field-meeting raffle, the lucky winners were: John Horcher - UMX Whipit DLG; Roger Silva - CA activator/kicker; Shawn Silva - bottle of CorrosionX



## October Flying at Davis

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Below are some frame-grabs from Scott Ritter's quadcopter, flying with other planes and quads at Davis Field on a pretty October day. The airplane is Adam Smith's Timber, while the other quadcopter is piloted by Sam Sparks.



(The CRRC Groups.io mailing list is also a great place to share photos and video links with club members!)



## LiPo Recycling

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Recently I had some old LiPos that needed to be decommissioned. I started by researching online the current (groan) recommendations for discharging and disposing of LiPo batteries.

I began by discharging the 4S (14.8v nominal) through two 12V automotive taillight bulbs until the bulbs went completely dark. I thought this would be a gentle discharge, but the LiPos still puffed significantly during this process. After confirming the battery voltage was near zero, I shorted the battery's positive and negative leads to ensure there was no residual charge at all. I let these sit for several hours like this. I did the same for some 2S and 1S batteries, discharging them through a single 12V bulb.

Next, I cut off the XT60 main connector and the JST-XH balance connectors for re-use. I then stripped back the 12 gauge main power wires and twisted the positive and negative wires together to leave the battery completely shorted, and secured them with electrical tape.

I live in Concord, so I got in touch with the Department of Public Works' Solid Waste Disposal department, and learned that they will collect rechargeable batteries of most chemistries for recycling. The drop off was as simple as driving to their office and handing over the batteries at the reception desk. The only thing they checked was that there were absolutely no alkaline batteries in the mix.

At this point, I was having a conversation with John Epling and Scott Ritter, and I was asked what happens to the batteries after that? So I went down the rabbit hole.

The town of Concord sends the batteries to a company called Complete Recycling Solutions, LLC based in Fall River, MA. I spoke by phone and email with their Logistics Manager, Tracy to find out what happens next. For batteries with mercury-based chemistries, CRS will recover the mercury using a mercury distillation process. Other batteries are sorted by chemistry,

their terminals are taped to prevent short circuits, and they are packed in DOT approved containers for shipment to a “final destination facility”.



This facility is an EPA Responsible Recycling (R2) approved vendor called Battery Recycling Made Easy, in Norcross, Georgia. There, BRMS shreds and hammermills the batteries resulting in what they call “metal concentrates” that are then used for alloy production. Circuit boards, if present, are forwarded to ITAD Technologies, an electronics recycler.



- Mike Whidden

## FAA Registration

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Please remember to visit <https://faadronezone.faa.gov/#/> to check and renew your FAA registration ID. Also, beware some commercial entities who are claiming to process registrations - often for increased prices. The FAA charges \$5 for a three-year registration, or extension.

**Check your registration when you mark each new plane/drone, so you don't forget!**

## TRUST Test

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The FAA has authorized several organizations including the AMA to administer the knowledge and safety test required by congressional action.

***You are now required to show proof of passing the test (along with your FAA ID number) to law enforcement or FAA representatives upon request.***

The test is free and can't be failed! Take it at:

**<https://trust.modelaircraft.org/>**

## CRRC Membership Renewal

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Support CRRC by renewing your annual membership! See the last page, or contact John Eppling ([membership@charlesriverrc.org](mailto:membership@charlesriverrc.org)).

There's plenty of time left to support CRRC this year. Make sure you have a current card to bring to in-person meetings (and raffles)!

## Club Information

### Officers - 2022

*President*

Mike Whidden  
[president at charlesriverrc.org](mailto:president@charlesriverrc.org)

*Vice President*

Dan Sullivan  
[vicepresident at charlesriverrc.org](mailto:vicepresident@charlesriverrc.org)

*Treasurer*

Dave Marshall  
[treasurer at charlesriverrc.org](mailto:treasurer@charlesriverrc.org)

*Membership Secretary*

John Epling  
[membership at charlesriverrc.org](mailto:membership@charlesriverrc.org)

*Recording Secretary*

Roger Silva  
[secretary at charlesriverrc.org](mailto:secretary@charlesriverrc.org)

*Webmaster*

Suhas Srinivasan  
[webmaster at charlesriverrc.org](mailto:webmaster@charlesriverrc.org)

*Newsletter Editor*

Adam Smith  
[newsletter at charlesriverrc.org](mailto:newsletter@charlesriverrc.org)

*Chief Instructor*

Dick Williamson  
[chiefinstructor at charlesriverrc.org](mailto:chiefinstructor@charlesriverrc.org)

*Safety Coordinator*

Jimi Two Feathers  
[safety at charlesriverrc.org](mailto:safety@charlesriverrc.org)

*Raffle Chairman*

Scott Ritter  
[exofficio at charlesriverrc.org](mailto:exofficio@charlesriverrc.org)

### Instruction

To inquire about instruction please call the Chief Instructor, Dick Williamson.

Types of instruction

B = Building  
 G = Glider  
 E = Electric  
 F = Fuel  
 H = Helicopter  
 Q = Quadcopter/  
 Multirotor

Dick Williamson - B,G,E  
 Sudbury - 978-618-5475

David Spielman - B,E  
 dspielma (at) gmail.com

John Weigel - B  
 Natick - 508-655-2138

Richard Gammon - B,G,E,F  
 West Boylston -  
 508-835-2049

Ken Antonellis - G,E,F  
 Natick - 508-653-8369

Lincoln Ross - G,E  
 Waltham - 781-891-0332

Dave Walter - G  
 Hudson - 978-562-5400

Jon Leehey - F  
 Wayland - 508-358-5721

Tony Davids - H  
 Stow - 978-568-9598

Scott Ritter - Q  
 Sudbury - 978-443-2373

### General Info

Flying Sites

Go to [charlesriverrc.org](http://charlesriverrc.org) and select the Flying Sites tab to see the various sites. CRRC reserves time seasonally on Davis Field in Sudbury, and shares Bill Martin Field in Medfield with the MMAC.

Keys to the

Bill Martin Field

To get a key for Bill Martin Field in Medfield please email Ken Antonellis at [kxa@verizon.net](mailto:kxa@verizon.net). Ken is the key-master. The key for the 2021 season is key #15. Ken may have keys at the meeting. A \$5 deposit is required the first time you receive a key.

### Tree Climbers

Tom Hurney  
 508-272-7489

Scott (Sudbury)  
 508-203-3845

Stephen Canessa  
 The Tree Guy  
 978-460-1000

Hartney Greymont (Medfield)  
 Sean Comer  
 781-444-1227  
[thescomer@gmail.com](mailto:thescomer@gmail.com)



# Membership Application - 2022

Name					
Street					
Town		State		Zip	
Telephone			Email		
AMA No.			Birth Date		
I agree: [ ]	Club membership and activities are bound by the CRRC handbook, available at: <a href="http://charlesriverrc.org/newsite/Documents/CRRC%20Handbook%202020.pdf">http://charlesriverrc.org/newsite/Documents/CRRC%20Handbook%202020.pdf</a>				

**IMPORTANT:** You must be an Academy of Model Aeronautics member to join CRRC.  
**AMA Junior membership is free!** <http://www.modelaircraft.org/membership/youth.aspx>  
 By submitting this membership application you agree to comply with the AMA safety code, including documents 550 and 560 found at: [www.modelaircraft.org/documents.aspx](http://www.modelaircraft.org/documents.aspx)

To receive a membership card, bring this application to a club meeting or mail to the membership secretary:

**John Epling**  
**Membership Secretary CRRC**  
**43 Nylander, Acton, MA 01720**  
[membership@charlesriverrc.org](mailto:membership@charlesriverrc.org)

You may pay by check or use PayPal.

Make **checks** to **Charles River RC**, or send **PayPal** to the email above.

Member category	Before March 1, 2022	After March 1, 2022
OPEN Member	\$60	\$65
SENIOR member If age 60 before July 1st	\$50	\$55
SENIOR member If age 75 before July 1st	Free if AMA member <i>(Voluntary donation appreciated - e.g. \$50)</i>	Free if AMA member (Voluntary donation appreciated - e.g. \$50)
JUNIOR Member Under 19 before July 1st		
NON-FLYING member If age 75 before July 1st	<i>(Voluntary donation appreciated)</i>	(Voluntary donation appreciated)
Full time STUDENT	\$40	\$45
Family member additional to OPEN membership		
<i>Additional / optional donation (supports field rental)</i>	<i>Voluntary \$10 / \$25 / \$50 / etc</i>	