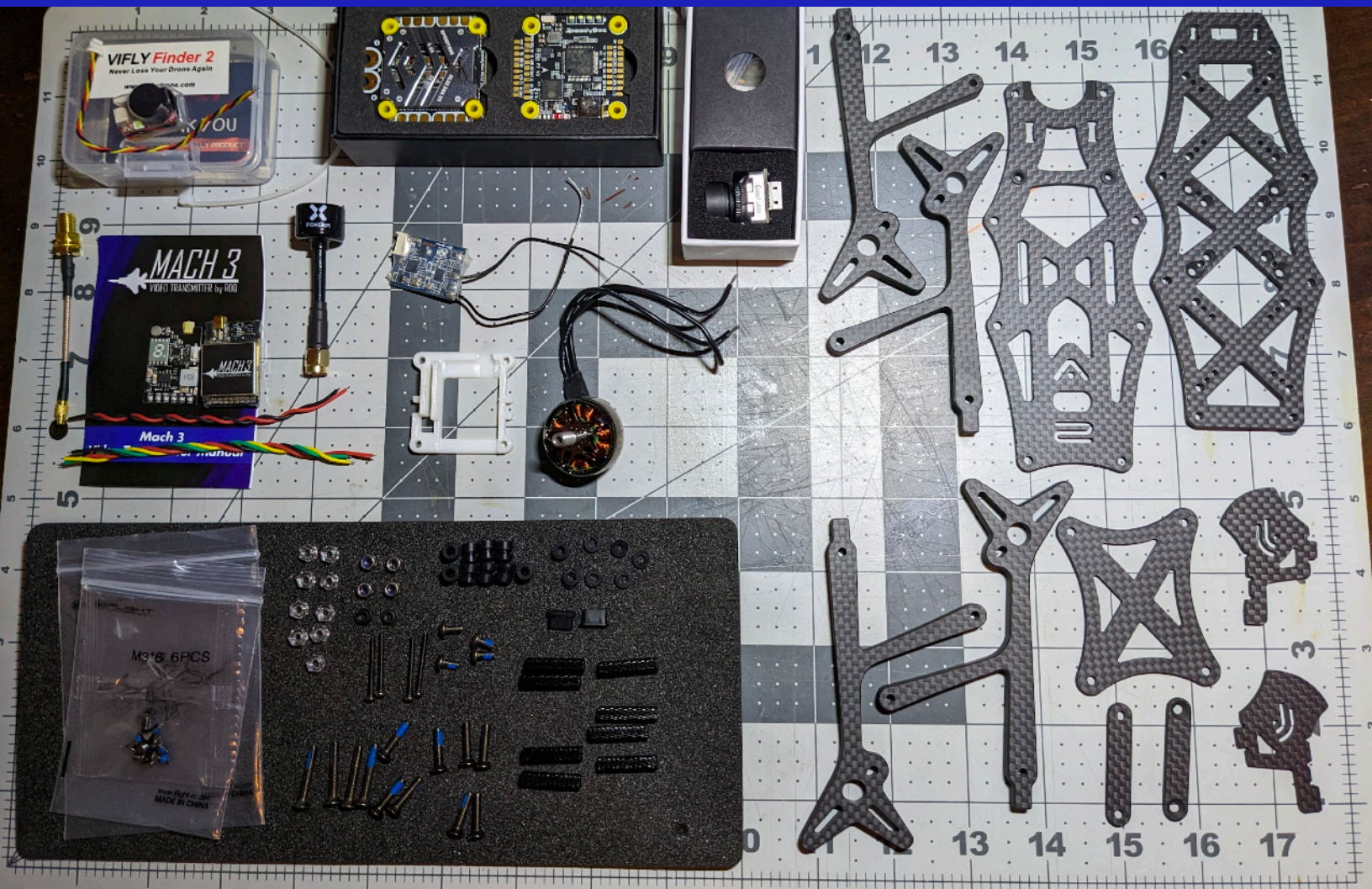


Charles River Radio Controllers

Flight Log

December, 2022



December Meeting:

Wednesday, December 21st, 7:30PM

In Person at

Goodnow Library, Sudbury

President's Message

Dear Members,

Here we are at the end of the year, already! The 2023 Frozen Finger Fun Fly is around the corner, and it's time for the club to start planning our events for the summer.

In case you missed it, our annual meeting was in November, which means we elected club officers. Very little changed on the slate -- Shawn Silva, interim Webmaster, was made legitimate. There was a lot of discussion about the ongoing scheduling of field reservations at School Street. A meeting with the Acton Recreation Commission on December 15th gave all the stakeholders a chance to provide the input and requests to the town. More details on that will be forthcoming (come to the club meeting!).

Our Webmaster Shawn Silva and Newsletter Editor Adam Smith did a bang-up job getting a CRRC Discord server on line. We've got a good number of members already onboard and interacting there, so if you haven't yet, please join. There are details further on in this newsletter, so follow the instructions there to join us.

Fly well,

- Mike Whidden, CRRC President



Cover image - what's on YOUR workbench this winter?

Yours Truly has embarked on his first ground-up quadcopter build. -Ed.

Briefly - RemoteID, CBOs, and FRIAs

After long delays for the rule making process, review of comments, and further updates, we are entering a new era of FAA regulation with the advent of "RemoteID" rules. We don't have to like it, but we do need to pay attention, as the regulations are hitting their in-effect dates. We'll include more information in a future Newsletter, but for now a few brief touchpoints:

- There will be three ways to comply with the RemoteID requirement, which is applied to "Small Unmanned Aerial Systems" that the FAA requires to be registered - including hobby aircraft over 250 grams:
 - Manufactured aircraft will include Standard Remote ID equipment
 - This should apply RTF-type purchases, and be included at purchase
 - This requirement is in effect now (as of December 16th, 2022)
 - Other craft must carry an added Remote ID Broadcast Module
 - Can be purchased separately and added to older or home-built craft
 - Compliance is required later next year (starting September 16th, 2023)
 - Operations within certain known areas won't require Remote ID (FRIAs)
 - The FAA has begun accrediting Community Based Organizations (CBOs), including the Academy of Model Aeronautics (AMA), who will participate in the designation of FRIAs, hopefully including our regular fields.

- Adam Smith, Newsletter Editor

December Meeting - Wednesday 12/21

Our next general meeting is scheduled to be ***in-person at Goodnow Library, Sudbury*** on **Wednesday, December 21st, 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!

November Meeting Notes

15 Nov 2022 / 7:30 PM

ATTENDEES

In person meeting at Goodnow Library (Zoom also), quorum met for ANNUAL Meeting.

AGENDA

Business commenced 7:45 pm

Last Meeting Follow-up

- None.

Business / Discussion

- Treasurer Report
 - [*given at the meeting - not shared online*]
- Membership Report
 - No change
 - Applications received now will be for 2023
- Safety Report
 - No incidents to report
- Field Report:
 - Davis, good, same as usual
 - School St, Jimi provided an update on status.
 - Dec 13th meeting with field commissioner
 - Extensive discussion and sharing of opinions regarding the situation and ideas for future actions
 - Dick gave history of Davis field with town of Sudbury to show the parallels in events over the years
 - Medfield, no report
- Annual officer elections
 - No volunteers came forward to run for office
 - Motion made to keep current and interim officers for 2023
 - Motion seconded
 - Motion carried
- Old Business:

- Mike and Dick have photos of the Niel Kaufman donation items and Mike will work on a pick up plan
 - New Business:
 - Frozen Finger Fun Fly on January 1st!
 - Business closed at 8:40 pm
- Roger Silva, Recording Secretary

2023 Officers

The following members were elected to Board / Officer positions for 2023:

President - Mike Whidden

Vice President - Jake Megowen

Membership Sec'y - John Epling

Recording Sec'y - Roger Silva

Treasurer - Dave Marshall

Chief Instructor - Dick Williamson

Newsletter Editor - Adam Smith

Webmaster - Shawn Silva

Safety Coordinator - Jimi Two-Feathers

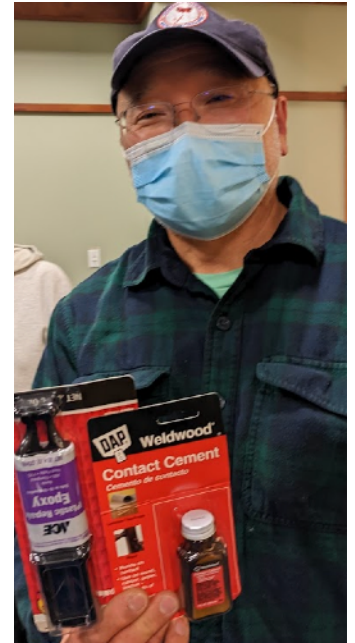
Ex-Officio / Raffle Chair - Scott Ritter

There are plenty of ways to help with the Club's activities - contact any of the folks above if you have a suggestion or are interested in what's needed.

Meeting Raffles

November

Dick Williamson won a plane! It was the UMX B-25 Mitchell Bind-and-Fly kit.
Richard Phipp grabbed a stopwatch for summer sailplane contests.
John Eppling snagged some epoxy and contact cement for winter builds.



December

Come to the December meeting for a chance to win one of the following:

- UMX Habu EDF Bind-and-Fly kit
- Tactic "Drone View" mini HD camera
- Loctite for your winter builds!

Remember that newsletter contributors get a free ticket to a future raffle. Everyone at the monthly meeting with their CRRC membership card also gets a free ticket - and another if you bring a show-and-tell!

CharlesRiverRC on Discord

Summary

Charles River RC now has a Discord server. But what does that mean, and what is it for?

Discord is an online communications site, and a mobile app if that's your thing, that lets communities share voice, video, and text chat. CRRC is using Discord as another way that our members can interact digitally to share information by chat, voice, images or videos, or just to hangout virtually.

The CRRC mailing list on groups.io and the monthly newsletter will continue to be the primary way for the club to communicate events, business, and other important information online. The monthly meeting will continue to fulfill that role in-person.

How-To

Discord calls each community a “server”, so CRRC has created a Discord server called “CharlesRiverRC”. Only people with an invitation to join the server can participate, so you can be sure that anyone you run into on our server is associated with our club.

Registering

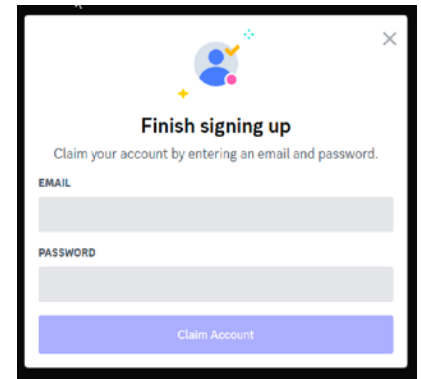
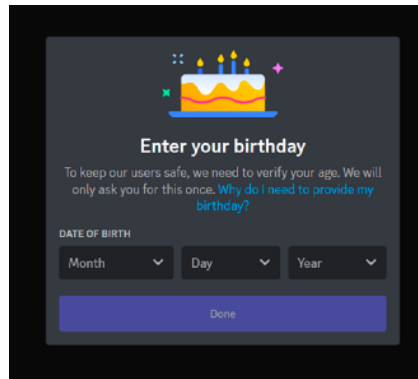
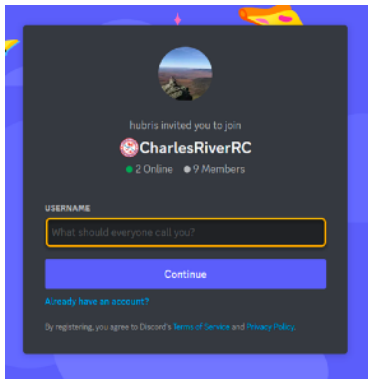
To join the CRRC Discord server, you need to use an “invitation link”. As of this writing, an invitation link was recently posted to the groups.io mailing list. Please do not share the link outside of our Club. The link will remain in effect for a limited period of time, so if it is not working, get in touch with a member of the CRRC Board of Directors for a new invitation.

Once you receive the invite, you will either need to login to Discord (if you have already created an account), or you will need to create an account - similar to many websites, but some details follow:

First, you'll need to choose your username (see image on left, below).

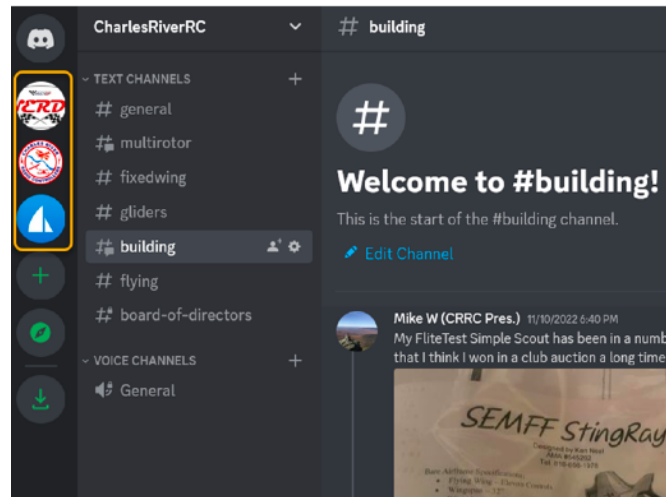
Next, you'll be asked to enter your birthday for age verification. You can fill out this form according to your own personal beliefs about providing accurate personal information to social media platforms (image at center).

Finally, you will need to provide a valid email address and select a password (image on right).

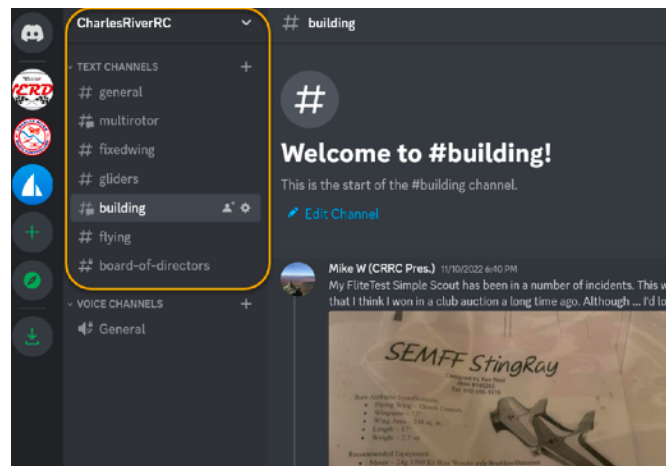


Using Discord

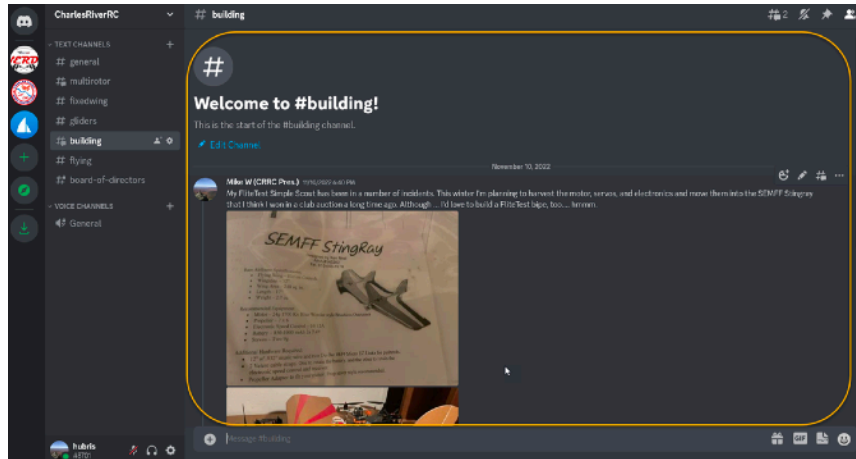
On the left side of the main Discord web site, you will see icons for each of the servers you have joined. If you are new to Discord, you will only see the CRRC logo here. If you click it, you will be looking at the CharlesRiverRC Discord Server.



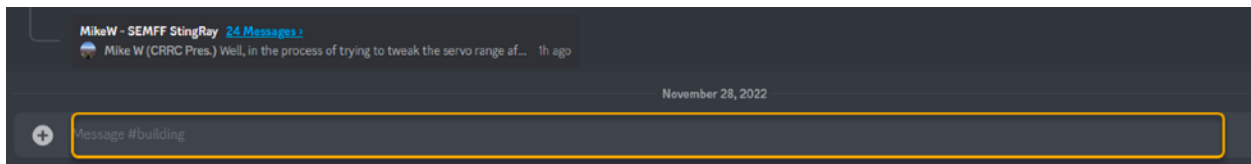
After choosing the CRRC server, you will see a list of channels. Each channel was created by CRRC to focus on a particular conversation topic. If you want to talk or read the conversation about building aircraft, click on “#building”. If you want to discuss gliders, click on “#gliders”, etc.



One you have chosen a channel, you will be able to see what others have written on that topic in the main part of the screen.



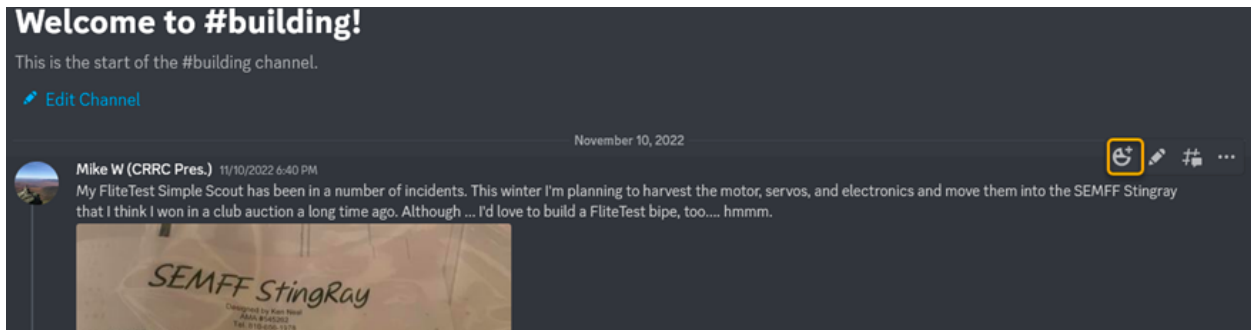
At the bottom you will find a text-entry field where you can write your own messages to add to the conversation.



To the left of the text entry, you will see a small “+” icon that you can click to add pictures or other media to your post.

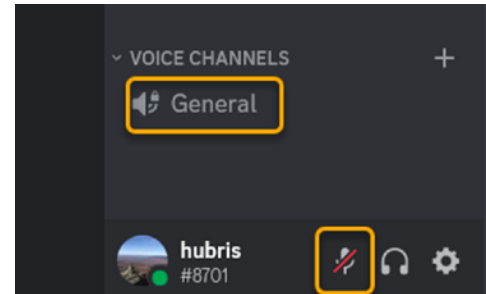


You will also find a small menu when your cursor is over a message that will allow you to add a reaction to a post. Use this to give someone a thumbs-up or smiley-face if you like their post.



At the bottom of the channel list you will find a Voice Channel called “General”. If you join that channel, you will be able to use your computer

(or mobile phone) microphone and speakers to chat with anyone else who is online and in the same Voice Channel at that time. Check the bottom of the screen to mute or unmute your microphone.



There are a lot of other features of Discord that I won't cover here. You can check [Discord's help section \(https://support.discord.com/hc/en-us/articles/360045138571-Beginner-s-Guide-to-Discord\)](https://support.discord.com/hc/en-us/articles/360045138571-Beginner-s-Guide-to-Discord) for more details and other features.

- Mike Whidden

Editor's notes:

First, the term "voice channel" is a bit of a misnomer, as Discord has actually added video chat and screen-sharing capabilities to these real-time interactions. When video sharing is activated in a channel, it's like being on an ad-hoc Zoom/Facetime/Skype/etc meeting - and currently activates a limit of 25 users in the channel, to my understanding.

As mentioned, please contact a Board member if you need an invitation to join the Discord once the one sent to the mailing list expires. Once there, you can post in the "#general" channel if you need help - or get in touch with a Board member, especially myself or Shawn as Webmaster. Please reach out as well if you have suggestions or concerns with how Discord is run or used, or are interested to help out.

And as with all communities, online or offline - we're counting on people's good sense and positive attitudes to make this a welcoming and engaging place to share you ideas and experience with RC and CRRRC. See you there!

-Adam

Vendor Suggestions for Winter Builds

Recent discussions on the club email list via groups.io provided a treasure-trove of interesting links and suggestions, if you're looking for a kit or project idea for this winter. Thanks to David Spielman for the suggestion that these could be re-shared in the Newsletter, and thanks to the discussion participants online! I've just collected the great deal of information shared by others, with a bit of formatting.

The original discussion started with **Anders Siggins** asking for sources for certain Top Flight or Balsa USA kits. **Jeremy** replied first, including:

I'm sure you are aware that you can go directly to [Balsa USA](#) to buy any of their kits. Prices are up like everywhere else but they don't seem to have the severe back order issues companies importing from overseas do.

Top Flite is trickier... since the Hobbico bankruptcy NIB kits have become hard to come by. Joining [RCScalebuilder](#) to check their classified forum is a better bet than RCGroups, but I just looked and there are only two possibly active TF listings - an AT6 and a T34 - and both are over a year old and would be shipping from Canada...

One last option if you are adventurous: [Carolina Custom Kits](#) has some short kits that are supposedly cut from TF plans, however they are quoting a 6 month order backlog. My only data point on their quality is I met a guy at a scale event this past summer with a CCK Airco DH2. He said that building it was an adventure as it was pretty obvious they just drew and cut a plan without ever test flying a prototype.. The plane flew ok but was VERY heavily designed so YMMV...

Dave Spielman shared: "I've been researching kit suppliers and have a number of other companies that look good. Old School models was written up in Model Aviation and Flying Models. These links bring you to models I'm considering."

Stevens aero

Daddy O from Stevens Aero

[https://
www.stevensaero.com/
product/daddy-o-525/](https://www.stevensaero.com/product/daddy-o-525/)

Steven's aero home page

[https://
www.stevensaero.com/
product-category/laser-cut-
model-airplane-kits-balsa-
wood/](https://www.stevensaero.com/product-category/laser-cut-model-airplane-kits-balsa-wood/)

Hanger One Kits

Dirty Birdy

[https://hangaronekits.com/
collections/classic-pattern-
kits/products/dirty-
birdy-64-60-size-laser-cut-
short-kit?
variant=12232582266968](https://hangaronekits.com/collections/classic-pattern-kits/products/dirty-birdy-64-60-size-laser-cut-short-kit?variant=12232582266968)

Bird dog

[https://hangaronekits.com/
collections/sport-aircraft-kits/
products/cessna-bird-
dog-72-40-size-laser-cut-
short-kit?
variant=12232494415960](https://hangaronekits.com/collections/sport-aircraft-kits/products/cessna-bird-dog-72-40-size-laser-cut-short-kit?variant=12232494415960)

Agwagon

[https://hangaronekits.com/
collections/sport-aircraft-kits/
products/cessna-](https://hangaronekits.com/collections/sport-aircraft-kits/products/cessna-)

[agwagon-60-40-size-laser-
cut-short-kit?
variant=12232483799128](https://www.hangaronekits.com/products/agwagon-60-40-size-laser-cut-short-kit?variant=12232483799128)

Tiger moth

De Havilland Tiger Moth DH
82A 70 - [http://
hangaronekits.com/](http://hangaronekits.com/)

Old school models

Lark

[http://oldschoolmodels.com/
lark.htm](http://oldschoolmodels.com/lark.htm)

Balsa USA

Smoothie

[https://shop.balsausa.com/
product_p/443.htm](https://shop.balsausa.com/product_p/443.htm)

Carolina Custom Kits

[https://
carolinacustomkits.com/shop/
ols/categories/cckits?page=1](https://carolinacustomkits.com/shop/ols/categories/cckits?page=1)

Manzano Laser Works - just
short kits

[https://manzanolaser.com/
Bellanca-Cruisemaster--Sport-
scale-54-model-Model-
Airplane-Kit_p_3029.html](https://manzanolaser.com/Bellanca-Cruisemaster--Sport-scale-54-model-Model-Airplane-Kit_p_3029.html)

This company is out of
Europe: **RC Plane Builder**.
<https://www.rc-builder.com>

Actually, **Dave** also started another thread recently with some more suggestions:

Great Hobbies out of Canada has a number of full kits that are available. I'm not sure about the weight of these planes, but the photos show extensive laser cutting removal of extra weight.

Dancing Wings Hobbies airplane kits at Great Hobbies:

<https://www.greathobbies.com/search/results/?srchtype=AdvSearch&srchvendor=dwh&srchcat=aek&ref=feature>

Eureka aircraft company - Find both short and some full kits of most every sport plane you've seen. Not many planes are available as a full kit.

http://eurekaaircraft.com/all_kits.htm

Here is a full kit for the Kaos 60

http://eurekaaircraft.com/plan_kits/kaos.htm

The Baby Pattern ships come in full kits, but you need to get hardware elsewhere.

Baby Pattern Kits eurekaaircraft.com	
---	--

When we talked about sharing these in the Newsletter, David sent me two more suggestions:

I also found an indoor kit manufacturer called BuzzardModels.com ... and ...

Another to add to the list of kit manufacturers: I like the lines of the BMJR Models Fiasco - <https://www.bmjrmmodels.com/radio-controlled/fiasco>

See something you'd like to build on these lists? Share it with the Club via the [Groups.io](#) mailing list, or on the "#building" channel of the new Discord!

- Adam Smith, Newsletter Editor

FAA Registration

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

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

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

You'll get a **\$5 discount off paid memberships before March 1st**. Ages 75 and over, and under 19, are free for CRRC membership (AMA membership required to fly at fields/events, and free for juniors). Sixty-and-over receive a \$10 discount. Donations to the club are always welcome.

Be ready for 2023 by renewing early! 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 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. 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

Membership Application - 2023

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: http://charlesriverrc.org/newsite/Documents/CRRC%20Handbook%202020.pdf				

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

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

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, 2023	After March 1, 2023
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 (Voluntary donation appreciated - e.g. \$50)	Free if AMA member (Voluntary donation appreciated - e.g. \$50)
JUNIOR Member Under 19 before July 1st	(Voluntary donation appreciated)	(Voluntary donation appreciated)
NON-FLYING member If age 75 before July 1st		
Full time STUDENT	\$40	\$45
Family member additional to OPEN membership		
Additional / optional donation (supports field rental)	Voluntary \$10 / \$25 / \$50 / etc	