

HCRC Flyer

June 2023



AMA Charter #341

Mowing and mowing...

It takes a team to tend to the field, a mowing team and it takes a coordinator to keep the team of volunteers in sync with the spring growing season.

Recently Dan Kapinos club VP and the mowing team coordinator was out for a medical issue and when the call went out for coordinator to fill Dan's shoes, Wayne Dawson stepped up and made sure our field was at its best.

Dan is on the mend and we all owe Wayne a big 'THANK YOU!' for stepping up to fill in while Dan healed.



Acting mowing team coordinator – Wayne Dawson, making sure the field is always ready for your next crash!

HCRC Meeting Notes from Thursday, May 5th, 2023



No Quorum Present – 14 Members including 3 Executive Members present: Mike Shaw, Gus Coelho, Bill Ewers, Ron Paul, Ed Kopec, Bob Prosciak, Mark Wasielewski, Peter Cincotta, Lou Enselek, Pat Malone, Dennis Walker, Mike Booth, Shawn Kelsey and Wayne Dawson

Reading of the minutes from the previous month was waived.

Club finances for the month of April were reported and approved.

FCRCC held their Spring Work party and many members from our club showed up to help. Thank you to everybody that helped our friends in Turners Falls!

Pat Malone and the Search committee met with the owner of the land to the West of our property. The owner is interested in leasing or selling the property and he is willing to be the mortgagee. He does not have a price for either option. He is currently renting a portion of the land to another farmer. The other farmer is also interested in purchasing the property. Further discussions to follow.

Mike suggested selling the club property across the street. No decision was made.

We are looking for a 1200' x 200' strip with ~15 or 20 acres of open area to one side to allow overflight.

The AMA sent a thank you letter for the donation that we made to the US Scale team.

Club News

UPCOMING EVENTS

See flyer in this issue for details

- **6/1** Business meeting at the field 7pm, Hot dogs and drinks
- **6/11** Biplanes and classics fun fly – Hosted by East Coast Swamp Flyers
- **6/11** Float Fly-in hosted by Yankee Flyers of CT
- **6/17 & 18** Fathers Day fly-in hosted by FCRCC, 10am – 4pm, Turners Falls, MA
- **6/24** HCRC BBQ CANCELLED
- **6/26** Float Fly hosted by NCRCC, Northford, CT
- **7/9** Dawn Patrol WWI Combat aircraft fly-in, Hosted by NCRCC
- **7/9** Scale Fun Fly hosted by CCRCC
- **7/18** Float Fly hosted by NCRCC
- **7/30** Club & Classic Fly-in hosted by CCRCC
- **7/31** War Birds over CCRCC, hosted by CCRCC, 8am – 3pm, Farmington, CT (see flyer)



NCRCC

FLOAT FLY

Date: 6/26/23, Rain Date: None, Start Time: 10:00 AM

Location: Crystal Lake, Ellington, CT

Cost: TBD

CD: Dave Arzt, CD Contact Info: dparzt@gmail.com

Notes: Hot dog lunch will be provided



War Birds Over CCRCC
June 4th 2022
8 A.M. – 3 P.M.

Contest Director:
Peter Church
peterchurch@cox.net

Food & Raffle
\$ 15 Landing Fee
Includes Lunch



2023 FCRC FATHER'S DAY FUN FLY



This year we will continue to raise money through FCRC's "FLIGHTS FOR THE FIGHT" to benefit those still under fire in Ukraine. Funds raised at this event will go directly toward providing medical supplies to the front lines. As the fighting in Eastern Europe continues FCRC's own David K, Iryna & their daughter Mary are showing their support by asking for your support of this great program that has saved many lives already. Donations are direct so this maximizes every dollar pledged for items such as tourniquets, trauma kits, blood clotting agents and items that are in short supply in the region.



SUNDAY JUNE 18th 2023

10AM-4PM (MAIN EVENT

SPECTATORS WELCOME!)

OPEN FLYING & OVERNIGHT CAMPING

FOR PILOTS ON SATURDAY JUNE 17th

(No Hookups)

RAIN DATE—SATURDAY JULY 8th 2023

NO LANDING FEES! FREE ADMISSION FOR SPECTATORS!

Food, Demos, 50/50, Raffle Prizes, Simulators and Try an RC Airplane!

NCRCC

FLOAT FLY

Date: 7/18/23, Rain Date: None, Start Time: 10:00 AM

Location: Crystal Lake, Ellington, CT

Cost: TBD

CD: Dave Arzt, CD Contact Info: dparzt@gmail.com

Notes: Hot dog lunch will be provided

FLOAT FLY

Date: 7/31/23, Rain Date: None, Start Time: 10:00 AM

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\$ 15 Landing Fee includes Lunch



CCRCC Cub and Classic Fly In July 30th 2022 8 A.M. – 3 P.M.

Contest Director Damon Rosenthal

jdamonoil@comcast.net

Request for pictures, stories, etc.

As the newsletter editor and a member of the team looking for a new field I am trying to compose a brief document about the history of our flying club. I am looking for stories of interest and outreach. These could be about new members through the years (perhaps that went on to a career in aviation), community outreach programs (STEM, UMASS, etc.). Oldest flying member and youngest, etc. Flying events we hosted that brought in people from around the Valley. The idea is to generate a document that shows that not only do we enjoy just flying and being together (to mostly talk about flying obviously) but also how we impact our local community.

I'd also love some pictures. If you have digital pictures, email them to me (see below). If you cannot digitize them, no worries, mail them to me, I will scan them and return them to you. (also see below)

I hope to have this completed by end of June if at all possible so please send me what you have as soon as possible. If you see me at the field, I'll take them there too!

Rick Rabe

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From Model Aviation Archives

Hinges and Control Surface Setup

By Joe Vermillion | uawflyer@gmail.com



One of the questions that I often get is how to hinge and set up the control surfaces on a model. This relatively simple process can be confusing when we start talking about things such as the hinge line, deflection, differential, etc. I felt that this would be a good chance to discuss the basics to hopefully help you understand and be more successful as you build.

Let's look at a few of the items and tools that I use to help me along the way to having a great-flying model. I have just a few simple things, some of which will be easy to find. You should keep an eye open for others at swap meets and grab them when you see them. The easily accessible items would include the Du-Bro Hinge Slotter kit, the Robart SDI Gauge, Q-tips, and petroleum jelly.

The harder-to-find items would be the Great Planes Slot Machine and the Great Planes Precision Hinge Marking Tool. These are swap meet finds that you need to keep an eye out for and scoop up when you see them. They are worth their weight in gold for sure!

The first thing you need to do to have a control surface that deflects evenly is to ensure that you have the hinges on the centerline. This is where the marking tool comes in handy. You simply place the tool on the control surface, twist it until both shoes contact both sides, then just run it down the control surface. This will give you a perfectly drawn scoreline down the entire surface. You can achieve this, of course, without the tool, but it makes it simpler and only takes a second to score the line.

Next is the hinge choice. There are a ton of different options out there for hinges in the hobby. There are nylon hinges, pins, CA adhesive hinges, and more. I do not recommend CA hinges for airplanes greater than .40 size. There are a few options that would give you not only longer-lasting hinges, but also something you can rely on season after season. That noted, these tips can be used on any hinge.

One of the things that I was taught when I started in aeromodeling was to use a little bit of petroleum jelly on the hinge line of the hinge that you choose. This will keep any epoxy you use from getting into the hinge line and fouling your hinge. The last thing you want is a frozen hinge when your model is almost ready to take to the sky. It can be a real bear to remove them for repair.

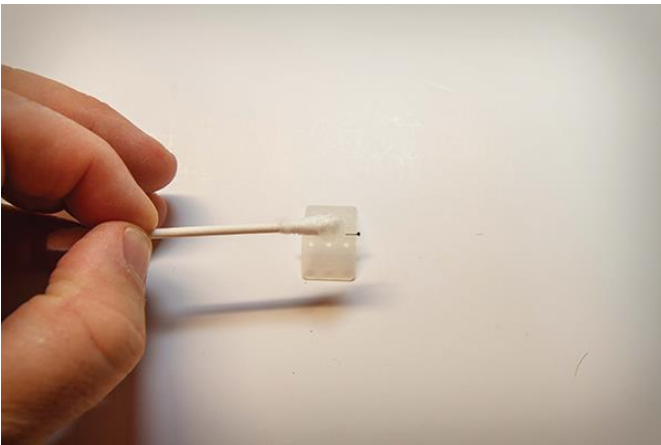
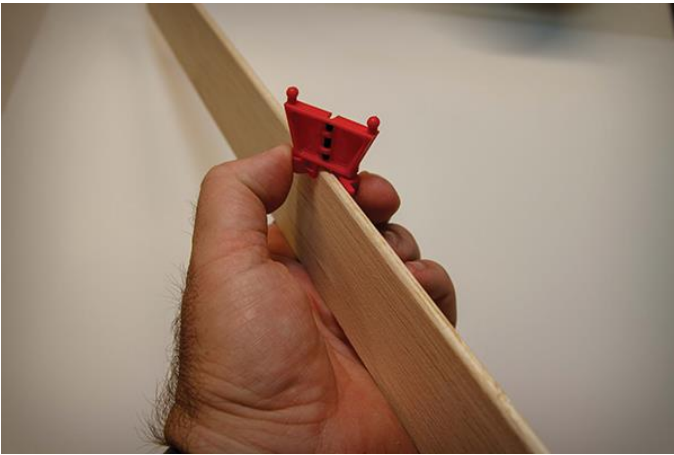
On that note, I recommend epoxy for installing hinges to your models. I stick with 12-30 epoxy to give me a good amount of working time if I need to make some adjustments to the setup.

Now that the hinges are installed, let's discuss setup. Each model you complete has a recommended throw setup. I suggest trying to stick with what's recommended by the manufacturer, at least until you have a few flights under your belt. After that, if you need to make a few adjustments to the setup, it's easy to program.

I like to use the Robart SDI Gauge for this step. It's easy to use and it gives you an accurate reading on your deflections without a lot of fuss. Use some lowtack tape to secure it to the top of the wing and use the gauge to set your throws. Simple!

The last thing I want to consider is differential. Differential is added into the aileron control surfaces to make for a better-flying model. To explain it, an improperly set-up model can experience what's known as adverse yaw. This is the model's tendency to have its nose climb or drop during turns. As we all know, using a generous amount of rudder input during coordinated turns can correct a lot of this, but why not make it a little better with some differential?





To achieve this, all that is needed is a little bit of setup and you'll notice a big difference. Set up the control surface so that you have less throw on the bottom than you have on the top. It can be as simple as programming differential in your computer radio or, in the case of a single servo set up on the ailerons, you could use a circular control horn to achieve the same results manually. In most cases, only a little is needed to make a huge difference. Most of the recommended settings can be found in the manuals and/or directly from the manufacturers. I hope this information helps you to set up your models for fun and exciting flights!

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