

HCRC Flyer

June 2024



Picture was taken at a musclemania car show at Lebanon Valley Dragway in West Lebanon, NY on May 26

SPECIAL NOTICE: You should have received the new gate lock code by now via email, if not reach out to the club.

HCRC Meeting Notes for the Thursday, May 5th, 2024 Business Meeting



No Quorum Present – 14 Members including 3 Executive Members present: Mike Shaw, Gus Coelho, Bill Ewers, Mark Wasielewski, Ron Paul, Bob Prosciak, Rick Thibault, Dan Kapinos, Shawn Kelsey, Bill Jaciow, Bill Bellows, Leland Johnston, Dennis Walker, and Lou Enselek

Reading of the minutes from the previous month was waived. Club finances for the month of April were reported and approved. We purchased a 10 month CD for \$10,000 at 4.4% as an investment towards the land purchase. It matures on February 24th, 2025.

We are working on fundraising to support the land purchase:

1. Go Fund Me – Now live! We ask everyone to alert their family and friends and ask them to donate! Mike sent out an email asking everyone to do this. Please feel free to copy and paste the email that he sent in your emails to you friends and family.
2. Selling Land Shares – We are now selling land shares. Please consider purchasing land shares to support this club initiative. Each share is a \$100 commitment and has a 5 year maturity period. We have generated almost \$5,000 at this point. Our Go-Fund-Me is on the New England AMA website.

Mark Wasielewski has been clearing the north end of our property. There are several felled trees that will have to be moved and a lot of brush burning to be done. Please consider coming out on Saturday mornings to help clear the land.

The Spring clean up was a success. Everybody that came out got the field in shape for flying this year and Ron brought out a hot meal (Beef Stroganoff) for everyone that participated.

The new, short runway is marked out. Please park as far south as possible. Please do not drive on the new runway as this leaves ruts. Please park temporarily at the south end of the field to load or unload only.

The solar charging panel needs to be set up for club use. Please consider volunteering to help or even lead this effort!

The UMass Aeronautics club competed in Texas and placed 14th internationally and first in New England. They beat out a heavy funded MIT effort in doing so. They are having a fund raising breakfast at the Northampton Airport on May 4th from 9AM to 1 PM. Please consider going and bringing one of your models to show off!

There are reports of some folks not getting the monthly newsletter. If you are not getting the monthly newsletter emailed to you, please call one of the club officers.

We are still looking for a Vice-President. The club needs a volunteer! Please consider taking a leadership role in our club.

Karl Hathaway was voted into the club.

Flying News & Events



UPCOMING EVENTS

- **06/06** Business meeting at the flying field, 7pm. Come early for hot dogs
- **06/09** Biplanes and Classics fun fly hosted by East Coast Swamp Flyers, Northfield, CT
- **06/07-09** Joe Howard Memorial Scale Heli Fun Fly, New England Heli Crew, Mansfield, MA
- **06/08** Biplane Bash, hosted by NCRCC, Ellington, CT
- **06/08-09** Memorial Fun Fly, hosted by RC Propbusters, Salem, CT
- **06/09** Float Fly hosted by Yankee Flyers of CT, West Thompson Lake, North Grosvenordale, CT
- **06/08-09** Joint Club Swap Meet, John Pettibone Community Center, 2 Pickett District Road, New Milford, CT (see flyer)
- **06/15** Warbirds 2024, hosted by CCRCC, Farmington, CT
- **06/15 HCRC** Club Summer BBQ 10am – 3pm at the club field (see flyer)
- **06/16** Father's Day Fun Fly, hosted by FCRCC, Turners Falls, MA
- **06/22** Summer Fun Fly, hosted by Wachusett RC Flyers, Sterling, MA
- **07/11** Business meeting at the flying field, 7pm. Come early for hot dogs (note: Special Date)
- **07/13** Fun Fly hosted by CCRCC, Farmington, CT
- **07/13** Dawn Patrol Hosted by NCRCC, Ellington, CT
- **07/14** Fun Fly & Picnic, host by East Coast Swamp Fliers, Northford, CT
- **07/20** Electric Fun Fly & Swap Meet, hosted by RC Propbusters, Salem, CT
- **07/27** Cub and Classic Fun Fly, hosted by CCRCC, Farmington, CT

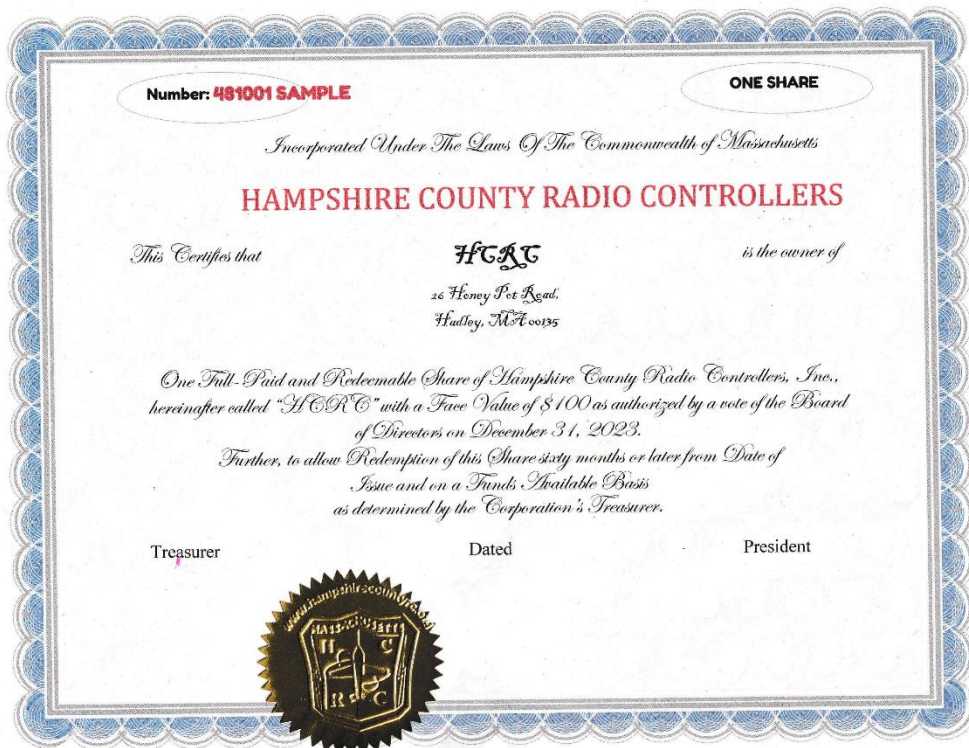
ATTENTION ALL HCRC CLUB MEMBERS AND SUPPORTERS
SHARES CERTIFICATE FUNDRAISER PROGRAM

Hello all,

Your club has now opened a shares certificate buying program to raise funds to purchase 5 acres of property next door to our old home on the opposite side of our 2.1 acre (70' strip) on Honey Pot Road. We only have two short years (01/01/2026) to raise the funds needed to purchase this property. These certificates are valued at \$100 per share. They will mature in 60 months to be able to be redeemed at face value on a funds available basis. Please purchase as many as you can reasonably afford. You can acquire these certificates one of two ways. Either bring cash or a check made out to HCRC to a business meeting and hand it to our Treasurer Gus Coelho or mail your check to Gus at 141 Holy Cross Circle, Ludlow, MA. 01056. Your certificate will be available by the next club business meeting or will be mailed out to you. All donations for the property purchase are being deposited into a dedicated bank account in the club's name and will be returned to the donor if the land purchase is unsuccessful. I thank you in advance for supporting this important funding program that will allow our club to continue well into the future.

Thank You,

Management



ATTENTION ALL HCRC CLUB MEMBERS AND SUPPORTERS

GOFUNDME FUNDRAISER PROGRAM

Hello all,

Your club has a secondary fundraising program in place for anyone that may wish to donate to our cause. It is through *GofundMe.com*. The link to our fundraiser page is below. This program is very important to supplement our in-house Shares Program.

SHARING: This GFM program will only be successful by sharing the link below with everyone you know and some that you don't.

Please email this link to any and all people in your phone contact list: friends, family, coworkers, everyone. These are *your* people and will be the ones most interested in helping you/us. You can also text it to anyone you don't have an email address for. Also, share this link with any business and organization. You may have to do this a few times over a period of time to get people/organizations that meant to donate but may have let it "slip through the cracks" the first time. Friends and/or family members may come up to you and hand you cash to donate on their behalf. You can transfer these funds into the fundraiser as an "anonymous" donator as well. Another easy way to share this link is on your personal social media page, if you have one. After you post it, leave yourself a reminder to re-share it to yourself every 2-4 weeks and it will go back to the top of your timeline for all your peeps to see.

Donations have already started to come in but this program will only be truly successful and meet our goal with all of our help to promote it. All donations for the property purchase are being deposited into a dedicated bank account in the club's name and will be returned to the donor if the land purchase is unsuccessful.

Thank You,
Management

<https://gofund.me/7b63150f>

Model Airplane Club Losing Flying Field



ATTENTION ALL CLUB MEMBERS



WE NEED YOU!

VICE PRESIDENT NEEDED

We need someone to fill the vacated Vice President seat left by Dan Kapinos. Dan did a wonderful job for your club for several years but finally had to retire. We need someone to replace him. Club bylaws prevent any of the current sitting executive officers from holding more than one office at a time.

It is NOT that difficult of a position. Attend the monthly business meetings, organize the mowing crew and generally just be involved with your club.



Hampshire County Radio Controllers
Invite you to attend our

Club Summer BBQ

Saturday June 15 2024

No Rain date

10AM to 3PM (Food Served Approx. 12:00)

Come fly, eat and enjoy the day
at the club field

THIS IS A PRIVATE CLUB EVENT

All HCRC club members and immediate family ONLY

Chicken with Sides, Drinks and deserts will be provided free by the club
Donations Accepted

Please bring one item of nonperishable human or pet food to donate to our local charities

Watch your emails for last minute weather cancellation or
Our Facebook Page at www.facebook.com/groups/148353592007739/

or Contact:

RSVP Ron Paul by June 8 at RPM3XLM@comcast.net





The Rutland County RC Flyers **Fun Fly!**



Friday July 12 – Sunday July 14



Fly in beautiful Vermont from our manicured 800 x 75-ft grass runway.

Camping available starting Weds, July 10th. No hookups.

Pilot's Dinner: \$10.

Landing fee: \$20 covers the entire event.

Airshow Saturday at Noon! **Free Admission for the Public**

We welcome foamies, warbirds, sailplanes, 3D aircraft, turbine jets,
EDF jets, scale aircraft, helicopters and drones.

AMA Membership Required to Fly

Directions to our Flying Site

Take Exit 2 off of US Route 4; head south towards the Town of Fair Haven. Take the first left after you pass McDonalds onto 4th Street, then an *immediate* sharp left onto Airport Road. Follow the signs on Airport Road to the parking area.

GPS coordinates are: 43.615451, -73.274495

For more information contact our CD, Bob Case at rcasevt@gmail.com



<https://www.rcflyers.org>

JOINT-CLUB RC SWAP MEET!

NEW MILFORD CT

Outdoor Tailgate Swap Meet - Buyers FREE! (\$20 per seller/car)

OVER 100 SELLING LOCATIONS!

June 8th 2024 - Rain Date, June 9th

Open 8:00am for Vendors, 9:00 - 1:00 Visitors

Location:

John Pettibone Community Center

2 Pickett District Road, New Milford, CT 06776

For Questions & Rain Delay Announcements

Contacts: Bob Motta 203-792-8692 (leave message)

Gary Klein 724-931-1552



Area for Sellers in **RED** - Buyers park at curved front entrance and parking area plus field on other side



Sponsors:

FLYRC - Southbury AMA Charter 803

NMMAC - New Milford AMA Charter 4535



Joe Howard Memorial Scale Heli Fun Fly

AMA Sanctioned Event: 15891 and FRIA APPROVED

Contest Director: Joel Rosenzweig | joel@helitronix.com |
(508)667-3720



New England Heli Crew | 410 Elm St, Mansfield, MA
June 7-9, 2024 | 8:00am - 6:00pm

All scale helicopters including turbines are welcome. There is no
fee for the event. Donations to the club are welcome.



2024 FCRC FATHER'S DAY FUN FLY

SUNDAY JUNE 16th 2024

10AM-4PM (MAIN EVENT
SPECTATORS WELCOME!)

LOCATION: Franklin County Radio Control Club Flying
Field—Approximately 80 Industrial Blvd, Turners Falls, MA
01376

Gate 4 at the Turners Falls Airport between Pioneer Aviation and
the Franklin County Technical School

Visit www.franklinrc.com and www.facebook.com/franklinrc for
up to date Event Information

**OPEN FLYING & OVERNIGHT CAMPING
FOR PILOTS ON SATURDAY JUNE 15th
(No Hookups)**

RAIN DATE—SATURDAY JULY 13th 2024

NO LANDING FEES! FREE ADMISSION FOR SPECTATORS!

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

FCRCC FIELD: 80 Industrial Blvd, Turners Falls, MA 01376

Radio Fundamentals: fly better with dual rates, expo & mixing

[Debra Cleghorn](#)

[Featured News](#), [Getting Started](#), [Radio Systems](#)

[3 Comments](#)



Utilizing your radio's built-in programming will let you fly better with more control of your model. This article is intended for new and intermediate fliers and highlights three important features you need to understand, dual rates, exponential, and mixing.

LET'S GET STARTED

First of all, when holding your radio during your flight, it's a good idea to have the "standard" position on all switches be "away" from you. Another way to say this is to have the switches located on the top of your transmitter toward the back of the case and those on the front of the transmitter toward their top position. Establishing this allows you to always return to your most comfortable flying parameters should your flight get on the edge of your control abilities for whatever reason.

EXPONENTIAL

Simply stated, exponential in our radios gives stick inputs a softer "feel" around the center of stick travel. The greater distance we move the stick away from center, the less effect any programmed expo has. Expo works in concert with rate settings and is another piece of the puzzle in getting your radio controls exactly the way you want them.

Sneaking up on how much expo to use is a good way to do it if you've never tried it before. Entering a 10% value would be a good start. You will hardly notice that amount of input on the bench or in the air. But once you figure out the procedure for setting it, there's no mystery about going into the menus and increasing it to +15 or +20, or even more. Some of the best pilots use +70 or more on expo to fly 3D. Most sport flyers will and should be in the range of +20 to +40. The type of aircraft you fly will determine how much expo you should use, if any. Even trainer aircraft and novice fliers can use some expo to advantage.

Have no fear of exponential. The softer feel around stick center will make you a smoother flier; just don't overdo it. For most helicopters, it's a must. For most sport aircraft and sport fliers, it really helps a lot in advancing your flying skills.

DUAL RATES

Dual rates are one of the neat features of our modern radios. The elevator dual rate switch is usually in the upper left front corner of the transmitter; the aileron switch is in the upper right front corner; and the rudder switch, if you have one, is in the upper right top. The purpose of these switches is to establish a limited servo travel position when the switch is moved to either of its two positions. For example, the switch “away” from you might give 100% servo travel, and if you click it toward you, your dual rate setting might provide 70% travel of that same servo (surface).

Here’s a specific example. Let’s say you are flying a tail-dragger and that you need to input small amounts of rudder on takeoffs. You might program your standard position rudder rate at 70% of available rudder throw (the switch would be away from you, toward the back of the transmitter). Your second rate might be 100% (or even more) so that when you want to fly aerobatics, clicking the switch forward will give you almost double the throw on rudder. The result of this setup is that your ground handling and basic maneuvers will be very smooth on your standard setting, but your rudder authority for maneuvers will be very powerful on your high rate setting. The amount of travel that you set needs to be adjusted after flight experimentation. As you know, servo arm and surface horn length are also factors that control surface deflection amounts. Programming “rates” are the final step in tuning your aircraft to your liking.

Dual rates are not to be ignored! This feature is an important component provided by our modern radios that make us smoother, more accomplished fliers. They are easy to program, and even the beginner-level transmitters sport dual rates. Top shelf radios have triple rates! Several radios can combine all rates on one switch. In my opinion, that’s a really nice feature that might be used after[ITAL] you program individual rates/switches and get them where you want them. Then, one switch sets all three surfaces to do either high or low settings, or any combination you want.

MIXING

Mixing presents more of a challenge. It also requires more patience to get it the way we want it, but the effort is worth it.

Most modern radios feature mixing circuitry. Some radios even have pre-programmed mixes. One of the examples of how mixing can help make you a better pilot is the knife-edge mix between rudder and elevator. Knife-edge flight is a very cool maneuver, and really cool when you don’t have to constantly input elevator to hold the plane in position as it flies down the flightline on its side! So how is this accomplished?

Let’s start by assuming you have the rate switch the way you want it. That means it’s set to hold the nose of your aircraft up a bit and level with the ground as the plane flies by you rolled over on its side. You might have fine-tuned your “normal” rate setting to achieve this. Now let’s get more specific. Let’s say you are at the field, and the wind is blowing right to left. You are going to fly your knife-edge maneuver from left to right, into the wind. You enter by giving the aircraft right aileron, making it bank to the right a quarter turn, and left rudder to hold up the nose. All is going well at first, but in a second or two you see the nose of the plane going off line and pulling toward the canopy as you fly by. You need to correct with a bit of down-elevator. After a few passes, you get the feel of what is required to make the knife-edge look good. But you are constantly correcting, and the flyby looks ragged when you over/under-correct. The solution to this condition is a rudder/elevator mix.

What you need to do is program about 5% of down-elevator to automatically input into your aircraft when you hold rudder. Since you don't want this to happen all the time when you use rudder, you put the mix on a switch on the transmitter. Now, just before entering knife-edge, you hit the switch, roll a quarter turn, and when you enter your rudder command, the elevator deflects downward to whatever value you have entered in the mixing program. Five percent is a good starting point, but it may take more or less, and sometimes it may even take a "negative" mix, meaning the plane was moving toward the landing gear, not the canopy. In that case, you program up-elevator mixed with rudder. It sounds complicated, but it really isn't. The best advice is for you to read the manual that came with the radio, and try it on the bench, then out at the field. I like to take some written notes also, so when I get to the field I can remember what I did, and how to add or subtract more input if necessary.

There are many mixes you can use. Flap/elevator is a common one, and so is aileron/spoilers. Give mixing a try; like rates and expo, you are going to like it when you get it right.

Most important, any radio inputs or changes should be done by you, the modeler, owner, and flier of the radio and aircraft. It's OK and even preferred if someone with experience is looking over your shoulder, giving instructions or making suggestions, but don't let them make the changes. Hands-on experience is a basic tenet of effective learning.

We have these features and many more in our radios. It might be time for you to give them a detailed look, with the goal of making your flying the best it can be. Master your radio; don't let it master you!

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