

HCRRC Flyer



AMA Charter #341

May 2024



Whose plane is that with the club logo on it? Check out the article inside this month's newsletter!



SPECIAL NOTICE: Please leave the gate OPEN. This will allow people to come and gather the firewood from all the trees that have been taken down – Thank you!

HCRC Meeting Notes for the Thursday, April 4th, 2024 Business Meeting



No Quorum Present – 11 Members including 2 Executive Members present: Mike Shaw, Bill Ewers, Mark Wasielewski, Ron Paul, Bob Prosciak, Rick Thibault, Dan Kapinos, Pat Malone, David Whiteley, Shawn Kelsey, and Lou Enselek

Reading of the minutes from the previous month was waived. Club finances for the month of March were reported and approved.

We are working on fundraising to support the land purchase:

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.

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.

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 burn season ends May 1st. We hope to burn as much of the brush from the recent tree and brush removal as possible. We will burn at any chance to get the brush gone.

The Spring clean up party has been delayed due to weather. We are now planning on having the spring clean up on Saturday, April 13th. Please come out and help the club prepare the field. Chef Ron will be providing a hot meal.

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 considering investing club funds into a CD to generate some additional revenue for the land purchase.

Next month is the first meeting at the club field for this year. Please come out and fly before or after the meeting.

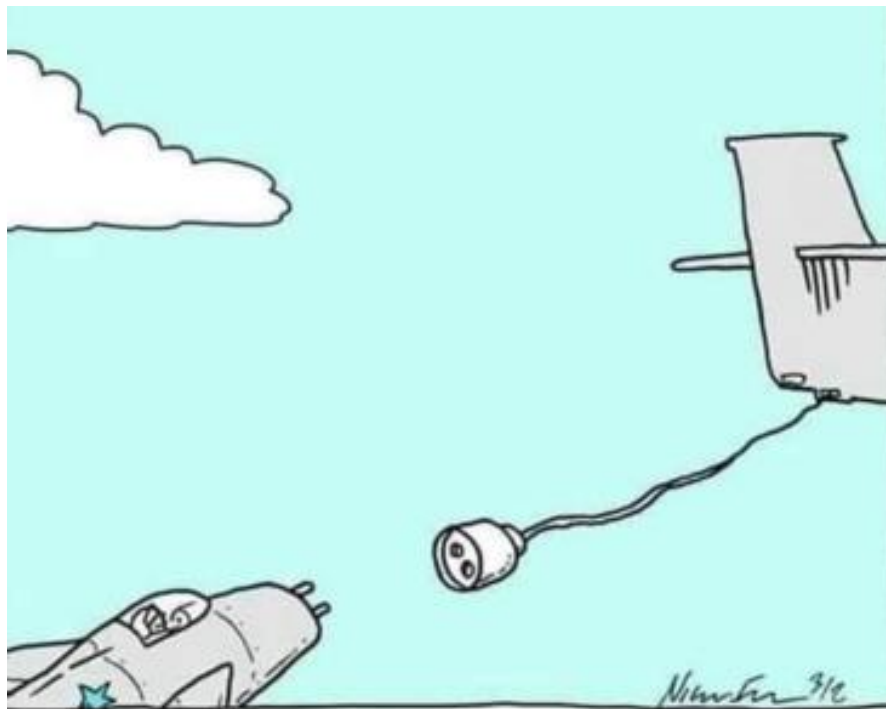
We are still looking for a Vice-President. The club needs a volunteer! Please consider taking a leadership role in our club.

Bill Bellows was voted into the club.

Flying News & Events

UPCOMING EVENTS

- **05/02** Business meeting at the flying field, 7pm. Come early for hot dogs
- **05/04** Tailgate swap meet hosted by NCRCC, Ellington, CT
- **05/05** RC swap meet and fly-in hosted by East Coast Swamp Flyers, Northford, CT
- **05/11** Flea market/tailgate swap meet hosted by FCRCC, Turner Falls, MA
- **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
- **06/15** Warbirds 2024, hosted by CCRCC, Farmington, CT
- **06/22** Summer Fun Fly, hosted by Wachusett RC Flyers, Sterling, MA



JET FIGHTERS OF
THE FUTURE.

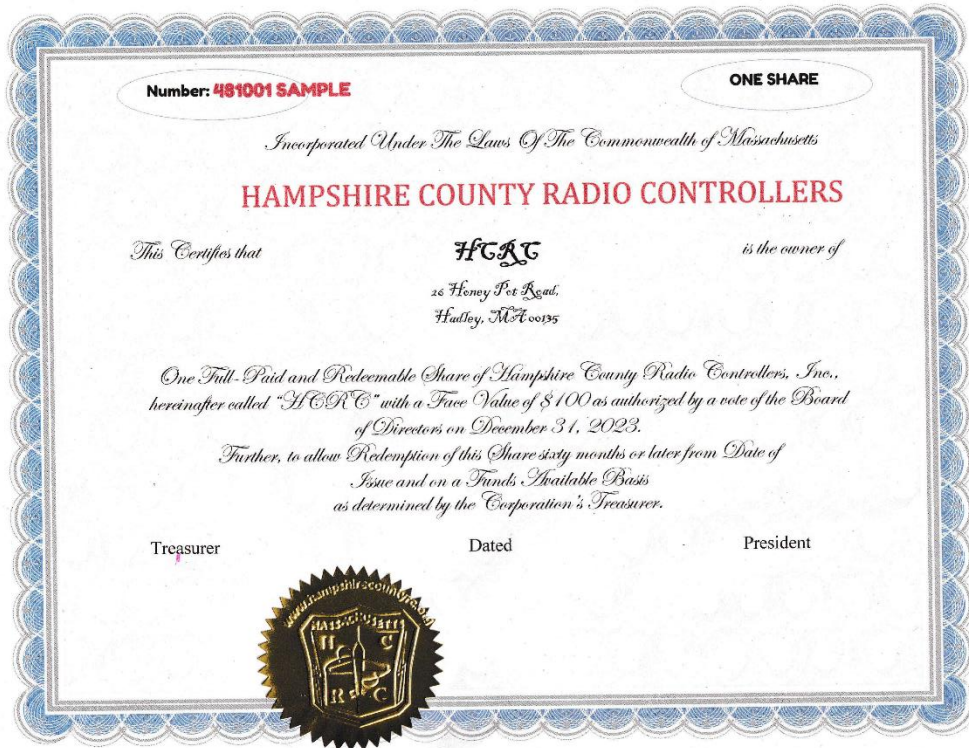
ATTENTION ALL HCRC CLUB MEMBERS AND SUPPORTERS
SHARES CERTIFICATE FUNDRAISER PROGRAM

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.

FREE FIRE WOOD

There is fire wood on the club property free to anyone who wants it while supplies last. Take it away at your convenience.



REQUEST FOR MOWING CREW VOLUNTEERS

Just a last minute reminder for anyone interested in joining the mowing crew for this flying season please contact Wayne Dawson at 646-734-7500 or email him at intrepidwayne@gmail.com to sign up. The mowing season is about to begin. It will be a much reduced job these days than in the past, sadly. Thank you.

EAST COAST SWAMP FLYERS

SWAP MEET & FLY IN

May 5th, 2024

Fire-Lite Place Northford CT (behind Honeywell)

9am - 2pm

Vender set up at 8am

**\$15 per vendor, 1 table included, \$5/ extra table
donuts and coffee available for vendors**

50/50 raffle

Food & refreshments on site

**Bring your planes! Flying is allowed during & after
the swap meet for both club and non club members.**

Current AMA required

**go to SwampFlyersRC.org for updates and more
information**

The Franklin County Radio
Control Club - AMA 1661
Hosting:



SATURDAY, MAY 11th, 2024

FROM 9am to 2pm

Annual Giant Western MA RC Flea Market Tailgate Swap Meet

Join us for our Annual Radio Control Flea Market at our
Club Field in Turners Falls, MA! This year we will have
our club field available for RC Aircraft and our new Dirt
Track available for Cars & Trucks—**TRY WHAT YOU BUY!**

Free Admission for Buyers—Donations Welcome

Sellers—\$15/Vehicle—Gates open at 8am for sellers

Reserve your table today! - Contact info below

- Fixed Wing Aircraft
- Multi-rotors
- Helicopters
- Cars
- Boats
- Radios & Electronics
- **EVERYTHING RC!!**

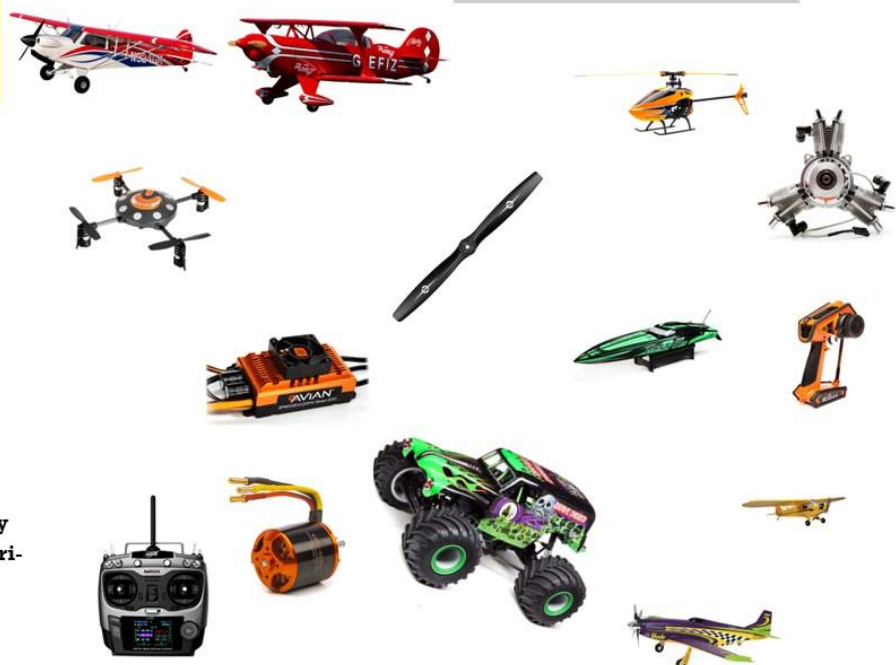


THE FRANKLIN COUNTY RADIO
CONTROL CLUB - AMA 1661

Ted Toothaker—Event Contact
Mobile: 413-834-0539 (Call/Text)
Email: toothata1@gmail.com

Make Checks Payable to Franklin
County Radio Control Club

Event Located at the Franklin County
Radio Control Club Field—80 Industri-
al Blvd, Turners Falls, MA 01376—
Gate 4 at the Turners Falls Airport



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

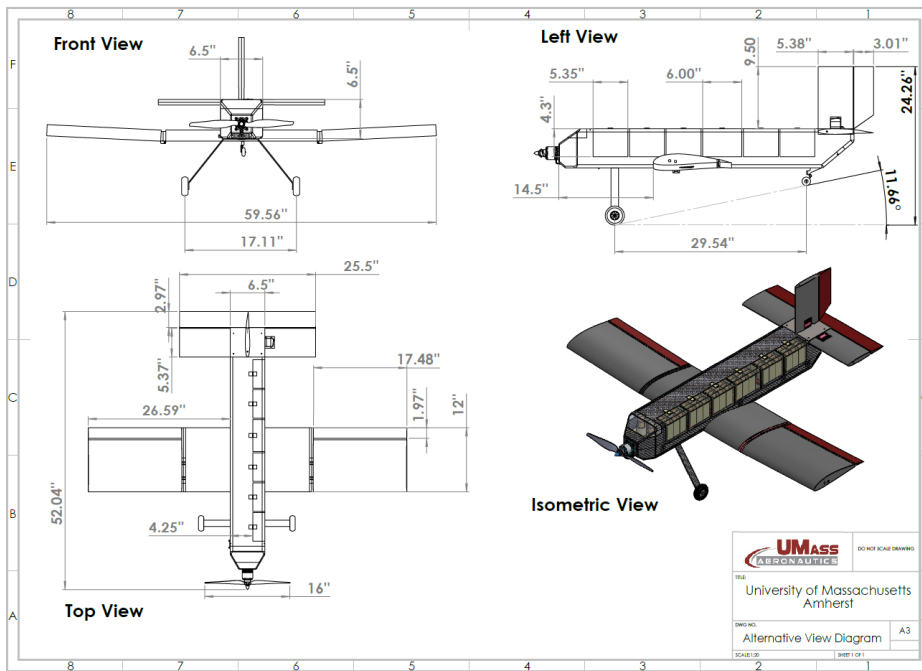
**UMASS Aeronautics Team
Competes in
2024 American Institute of Aeronautics and Astronautics Design, Build, Fly
(DBF) International Competition
Special Guest Author Jake Simon**

The UMass Aeronautics Team is an undergraduate student competition team competing in the 2024 American Institute of Aeronautics and Astronautics Design, Build, Fly (DBF) International Competition. We're a team composed of 29 underclassmen and 1 senior who are dedicated to combining topics learned in class and applying them to fix real-world problems in the aviation, UAV, and VTOL industries. This project introduces aeronautics in a hands-on environment to UMass Amherst's MIE department and provides a way for students to step into the fast-growing industries. Each year, the competition requires teams to design, manufacture, and fly an optimized aircraft capable of performing commercial, welfare, and military missions.



This year, the team was tasked with developing an aircraft able to demonstrate Urban Air Mobility (UAM) missions by transporting patients, EMTs, medical supplies, and passengers all while being able to fold and park in a parking spot. In addition, the aircraft is also scored on the speed at which it can be loaded, unloaded, and transitioned between parking and flying configurations.

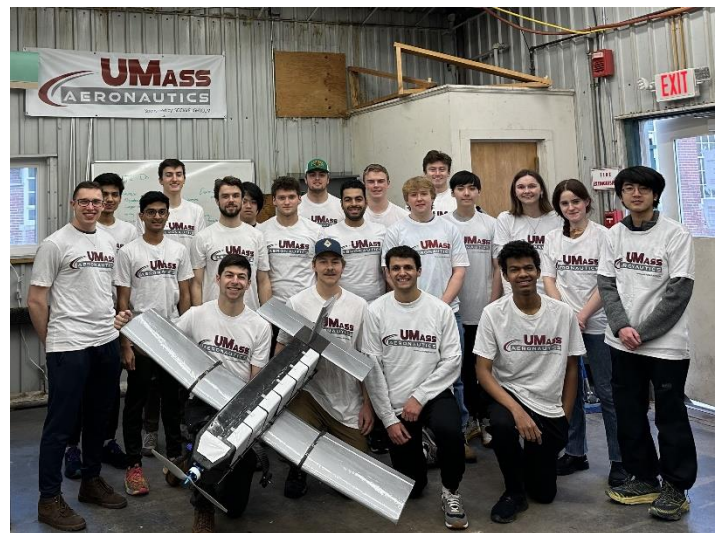
This is only the 2nd year that the team was able to travel to the competition and compete. Last year, we were basically a completely new team and our primary goal was to simply build an aircraft that could fly all 3 missions and 1 ground mission and prove that we could actually compete in the competition. We finished that year 24th internationally (out of 110 teams) and 2nd in New England, only behind MIT.



This year, our goal was to prove to ourselves that we could compete at a high level, hopefully get top 20 internationally and 1st in New England (we surpassed that goal). Another goal of the team was to develop a team structure that would allow for team success in future years, giving everyone the opportunity to have a direct impact to the

success of the team, and provide a means for information and wisdom to be passed on to the future years.

The team consists of 30 undergraduate students and is split up into 3 tiers: two captains in tier 1, 5 team leads in tier 2 (electrical systems, structures, aerodynamics, R&D, and business), and the rest of the team in the respective divisions in tier 3. This splitting of responsibilities made sure the work would get divided evenly. In addition, the development of the R&D team allowed us to develop a working manufacturing process of composite materials; ultimately, we were able to manufacture a fully carbon fiber fuselage, wing spars, landing gear, and some internal components completely in house.



The competition consisted of 4 missions which required careful optimizations, as improving the design for one mission would decrease the score for another. The first mission is just a staging mission, proving to the judges that the aircraft is airworthy for continued flight. The second mission was a medical payload mission, requiring the aircraft to carry the most weight possible and complete 3 laps in the shortest time, all while being able to takeoff within 20ft. The third mission was a passenger transport mission, requiring the aircraft to fly as many laps as possible within 5 minutes with as many wooden passengers as possible in addition to the

20ft t/o distance. The ground mission required the aircraft to fit within a 2.5 ft parking spot, and then be configured into flight for all flight missions in the shortest time possible.



It was an amazing experience and was truly inspiring to see how all 110 teams solved the same problem differently.



Next year, the goal is to strive for the podium (top 3) internationally. In our eyes, we have the team necessary to compete at that level; however, the primary roadblock is a lack of industry advisors (to help us with the design and analysis of the aircraft at a high level) and funding.



All of the teams above us were working with budgets over 5 times ours. We were able to build the entire aircraft, including all materials and electronics, for around \$2000. On the other hand, teams like Embry Riddle told us that they spent over \$10,000 just on their propulsion and electrical system. This difference meant that we were significantly underpowered compared to the other teams and were not able to access the materials necessary to compete at that level.



We truly appreciate the publicity and relationship we have had with the flying club. We truly believe that our success would not be possible without the access to the airstrip for testing.

Editors note: The team finished 15th overall and 1st of all the New England teams including MIT! All this and note that UMASS Amherst does not have an aeronautical engineering program!

HCRCC congratulates the UMASS team and looks forward to helping the team fly even higher next year!

Officers

PRESIDENT

Mike Shaw
15 Overlea Drive
Springfield, MA 01119
(413) 330-1827
mshaw.spfld@gmail.com

VICE PRESIDENT

Position Open

TREASURER

Gus Coelho
141 Holy Cross Circle
Ludlow, MA 01056
(413)530-4311
gus68vette@aol.com

SECRETARY

Bill Ewers
20 Beacon Street
Florence, MA 01062
(413) 695-3503
billewers@hotmail.com

BOARD OF DIRECTORS:

Mike Booth (413) 454-7084
Pete Cincotta (413) 454-4279
Dan Kapinos (413) 270-1106
Pat Malone (413) 270-0172
Santiago Mercado (413)627-9250
Rick Rabe (978) 621-3583
Mark Wasielewski (978) 544-8771

mbooth1@netzero.net
Pcinc01085@Comcast.net
danielk53164@gmail.com
pmalone60@comcast.net
Santme2000@hotmail.com
richardarabe@gmail.com
mwazski@behindthetrees.com

Newsletter Editor
Webmaster

MISC:

Denise Sitler (413)568-6595

wds1956a@gmail.com **Youth introduction Coordinator**

HOG HEAVEN
HOBBIES
Radio Control,
Trains, Models,
Toys & Crafts
494 Main Street
Starbridge, MA 01518
info@hogheavenhobbies.com



John Glennon
(508)-347-9350

HOBBY
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8 Adams, MA

www.rcmadness.com

101 North Street Enfield, CT 06082
860.741.6501

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