

Charles River Radio Controllers

Flight Log

June, 2023



Photo courtesy David Spielman - see his article
inside about repairing this crashed T-28!



June Meeting:

SATURDAY, May 16th, 9:45AM

In Person at

DAVIS FIELD, Sudbury

President's Message

Dear Members,

The FAA's RemoteID implementation is around the corner. Our own John Epling has been hard at work with AMA to get our Davis and School St fields registered as FRIAs so we can continue to fly there without a RemoteID module. As of this writing, the AMA has accepted our FRIA request for Davis and we are awaiting a response from the FAA. We are not yet able to submit a request for School St, but will do so as soon as possible. The MMAC has submitted the FRIA request for Bill Martin, and we are waiting for the FAA on that one as well.

Our busy event season is nearly upon us. We look forward to the NERDs drone race on July 29th, and the ALES and Fritz Bien Memorial Soar-In in August.

In the near-term, we have our annual July 4th Demo Day on ... let me check ... ah, yes, it's on the fourth of July. We need volunteers to buddy box, assist with Real Flight simulator stations and demo flights. I'd also like to see us make cold bottled water available, and someone to provide some sort of activity for kids (building paper airplanes? Some other aviation-type activity?) Please get in touch with me or anyone else on the Board.

Our meeting this month is at Davis Field on Saturday June 17, 9:30am. Bring something to fly! See you there.

Fly well,

- Mike Whidden, CRRC President



Meeting Raffles

May Winners

Ray Harlan - 1st place , scale

Daniel Bernstein - 2nd place Multiilex Shark

David Van Cleave - 3rd place FT Storch



Photos courtesy of Mike Whidden

June Prizes

Top Race TR-MQ1 micro quad copter

Energy TN025 NiMH/NiCad charger

Flite Test Mini Cruiser speed build kit

June Meeting - SATURDAY 6/17

Our next general meeting is scheduled to be ***in-person at DAVIS FIELD, Sudbury*** on **TUESDAY, June 17th, at 9:45AM**. Please note that we're going outside for the summer!

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

Repairing a T-28 Post-Crash

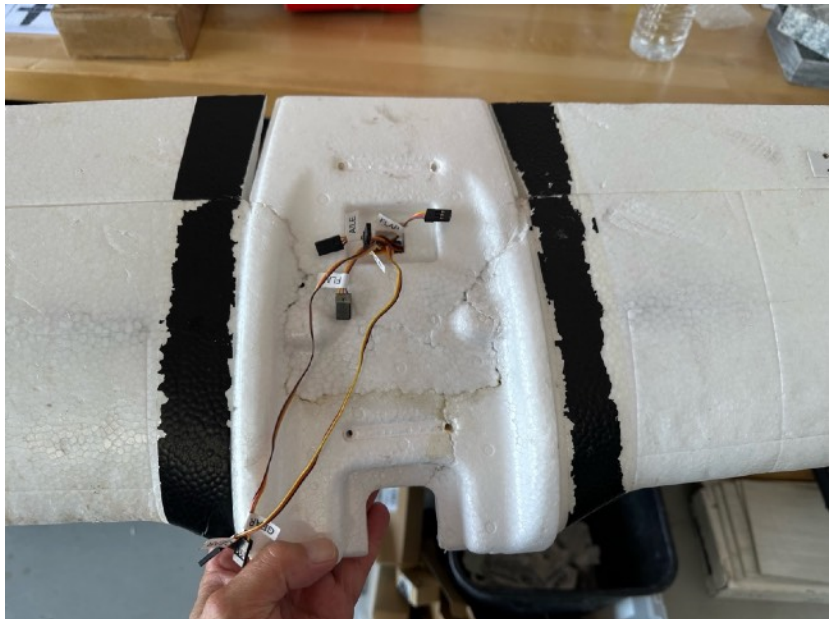
I'm repairing a T-28 post-crash, and you can too!

It was a tough day for one of our RC pilots. A beloved plane was set up for landing when something went wrong. Landing gear was down and the plane just decided it was going elsewhere. About 2 weeks later it was found and all of the pieces were collected and the plane dropped off in the shed. There sure were a lot of pieces, but I saw some potential for a repair and future flight.



Time to start repairing the T28. It's not super pretty, but it should fly. I started with the wing. I epoxied the spar to the foam and laminated the fiberglass spar back together.

There was no breakage, just delamination so I knew I would have a solid spar. Use good sticky epoxy, not the 5-minute stuff, but overnight cure. I pieced the foam back with Foam-Tac. Luckily all the foam was found. I made a new aileron from an old Conscendo wing. The wing seams pretty solid, but shows the scars of surgery. The only missing foam was the one aileron.



All the servos were good, but the clevises were broken on all four servos. This definitely protected the servos from damage. I centered the servos and put on new clevises on all 4 surfaces.

The fuselage was pretty crushed up by the nose so I stripped out the electronics and dunked the nose in hot water. 180 degrees is the limit before hard plastic distorts. I got some movement, and the foam is a bit puffed and has alligator scales. The nose was held under hot water for a total of about 40 minutes off and on over a two-hour period. Most of the original shape returned and I decided this was good enough.



The blow molded motor detail was a bit broken, but three mounting points are still intact and it looks shabby chic.

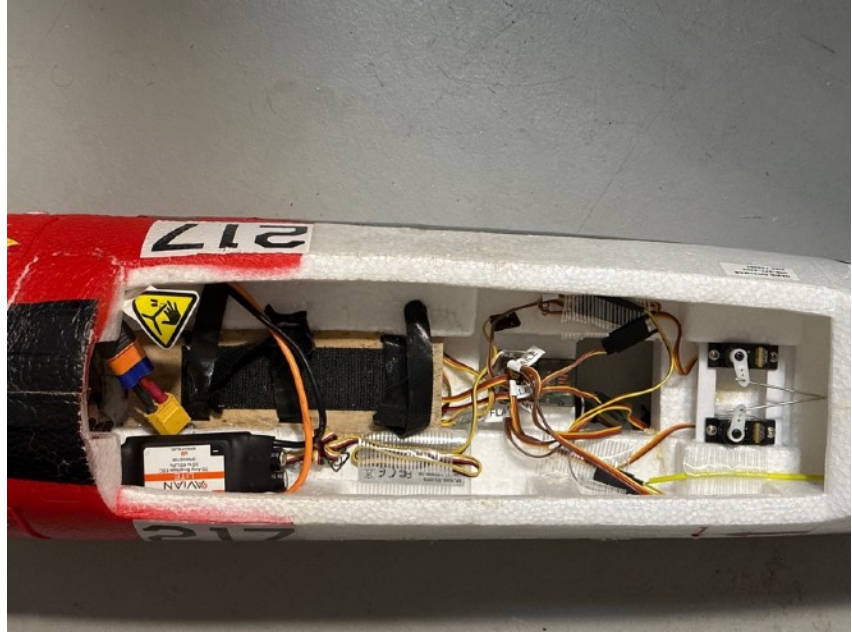


The scars of battle.

Gorilla Glue that expands was used to seal a huge split in the fuselage and reattach the wing mounts. Foam tac was used up near the nose to install a few broken pieces of foam. I spent a good hour soaking up glue that wept out of one of the wing mounting screws. My scotch tape masking job did not work on two holes. It took a pile of Q-tips and a thin carbon rod to keep it clear.



All the gear was reinstalled in the fuselage: servos, receiver, motor, ESC, and nose gear. Surprisingly, no servos were stripped. The receiver was secured with some silicone adhesive. It's possible the original adhesive failed and the AS3X receiver broke free, causing the crash. It's solid this time.



Next, I plan to steam some wrinkles out of the wing leading edge and flatten the alligator skin on the nose. Hoping I have some red and black paint. I may make a decal on the printer and glue in place with 3M 77.

I used Foam Tac to create a new hinge for the rudder. Also did that for the flaps and ailerons. Check out the video on the Foam-Tac web site. It's the best way to repair the foam hinges. It remains flexible for a very long time.



Here is the new hinge line for the rudder. After watching the video, I may return to touch the hinge up. A Q-tip with Foam-Tac would smooth out the hinge line.

Here is a detailed video of repairing foam planes. You must use Foam Finish indoors, not the garage. It won't cure in the hot humid garage and you will have a sticky plane forever. After watching the video, I'm a bit embarrassed by my work, but not too much. That guy is good!

<https://www.youtube.com/watch?v=G5IWOaN3Nfk>



- David Spielman

[Thanks for the detailed article, David! Everyone else, remember that articles, photos, or even just story ideas are always welcome (and will earn you a free ticket in a future club-meeting raffle!).

All images in this article as well as the "cover" image above were provided by David for use in the newsletter.]



Acton School Street Field - 2023

Thanks to a donation by the School Street Flyers, CRRC has time reserved at this Acton field off of Route 2. Most Monday evenings, Wednesdays, and Saturday afternoons/evenings are reserved for flying! Exceptions below:

Mondays, June through October: reserved from 2 hours before sunset
Wednesdays, June through October ALL DAY, **EXCEPT June 21st no flying**
Saturdays as follows:

June 17th from 2PM following cricket, **except June 24th no flying**

July 1st, 8th, 22nd, 29th from 2PM following cricket

July 15th from 2:30PM following CMAAS rocketry

August 5th, 19th, 26th from 2PM following cricket

August 12th from 2:30PM following CMAAS rocketry

September 2nd, 9th, 16th, 23rd, 30th from 2PM following cricket

October 7th, 14th, 21st ALL DAY

The cricket league / teams have field reservations Tuesdays, Thursdays, and Fridays, typically showing up around 5 and going until dark - let's respect their times. Please cooperate with other ad-hoc field users/spectators at times when no group has a reservation, and of course always fly with safety in mind. When more than one flyer is present the practice is to observe a "flight line" near the center of the parking area side of the field, and call out for take-off, landing, on-the-field, etc. Do not fly over/behind School Street, or near Route 2.



Activity at School Street on a beautiful early-June Wednesday evening. In picture are John Warner, Tom S, Gary P, Jimi Two Feathers, Andrew Rusczyk, John Horcher, Jimmy Quinn. Brian Cousins and Bryce Greene were also flying.

(Photo courtesy of John Epling)

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 miss a renewal!

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). 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.

While the \$5 discount off paid memberships before March 1st has elapsed for 2023, remember you can renew early next year.

Make sure you have a current card to bring to in-person meetings (and get that free raffle ticket)!

Club Information

Officers - 2023

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

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

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[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 Medfield /

Bill Martin Field

To get a key for Bill Martin Field in Medfield please email key-master Ken Antonellis at kxa@verizon.net.

The key for 2023 will be updated in late April by MMAC. Keys may also be available at the monthly 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

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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		
<i>Additional / optional donation (supports field rental)</i>	<i>Voluntary \$10 / \$25 / \$50 / etc</i>	