CRRC Flight-Log

http://www.charlesriverrc.org

AMA Charter 339

July 2016

Next General Meeting

Wednesday July 20, 2016 7:30PM at Davis Field

A Combat Event will take place on July 20th at 6PM, see page 7

Calendar

July 17, 2016
ALES Contest
at Davis Field

July 20, 2016
General Meeting
and Combat Event
at Davis Field

August 6 & 7, 2016
Soar-In
at Davis Field

August 17 , 2016
General Meeting
at Davis

September 3, 2016
RES

September 21, 2016
General Meeting
at Goodnow Library

September 24 & 25, 2016
Float Fly at
Wayland Town Beach

October 19, 2016
General Meeting
at Goodnow Library

November 16, 2016
General Meeting
at Goodnow Library

November 27, 2016
Auction at VFW Hall
Natick , MA

December 21, 2016
General Meeting
at Goodnow Library

Combat with the moon

CRRC General Meeting Minutes for June 15, 2016

Old Business:
Secretary's report and treasurer's report were accepted.

Upcoming events:
July 17 Davis Field ALES electric soaring contest
August 6 -7 CRRC Soar in thermal sailplane glider contest at Davis Field
September 3 CRRC Rudder Elevator Spoiler (RES) glider contest (location TBD)
The next CRRC meeting will be held on August 17 at the School Street Field

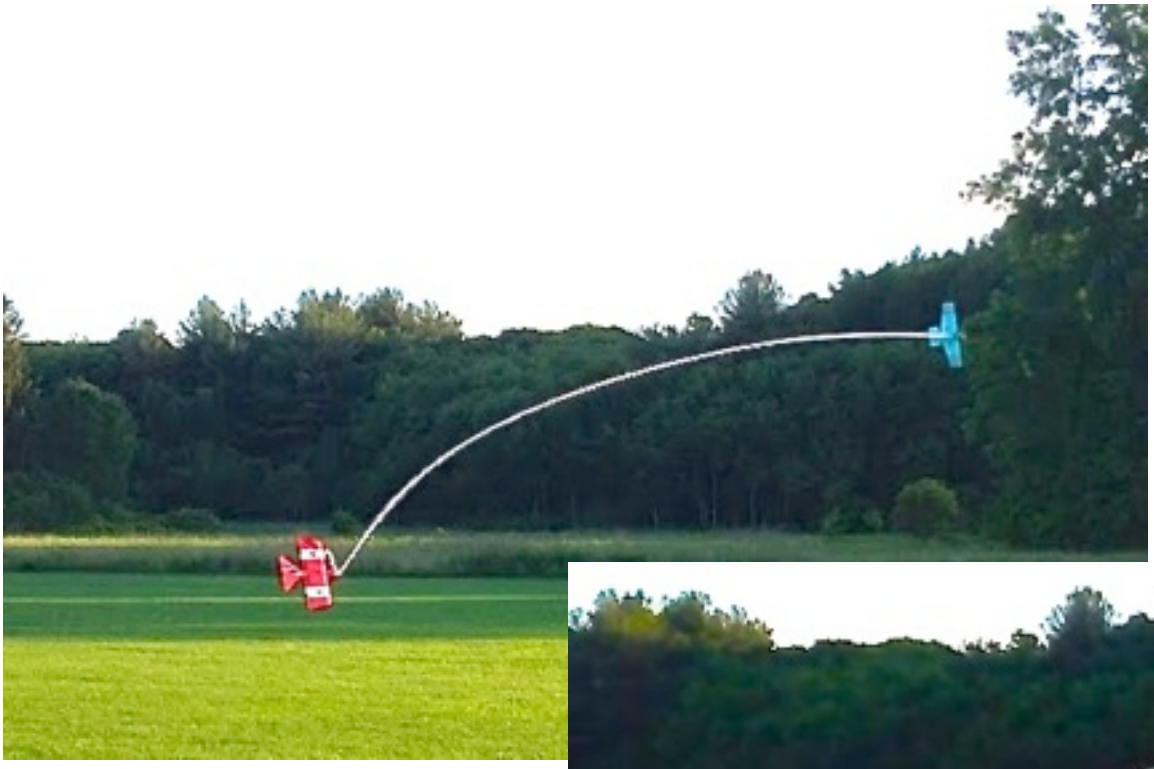
Field Reports:
Davis Field: A recent problem with Davis field has been to plan for events in advance since the Sudbury Park and Recreation Department now has a policy of not issuing any permits for the summer until May. With the large number of groups competing for use of the fields, we have no way of planning events more than a few months in advance.

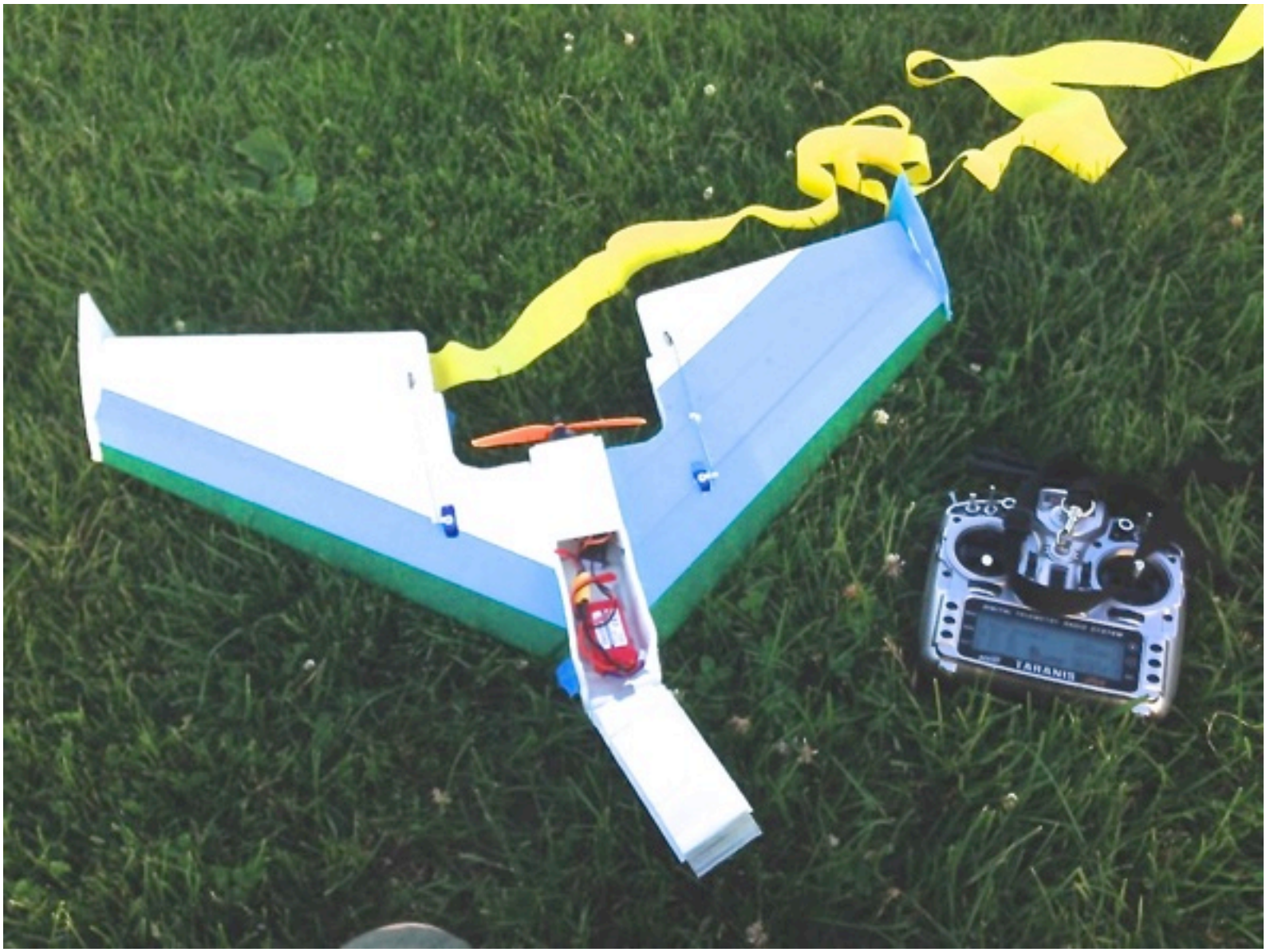
School Street Field:
The school street field has been reserved for CRRC use on July 17, August 6, 7, 13, 14, 17, 21. Flying can be done at other times as long as it does not conflict with other field uses. Please follow the usage guidelines on the CRRC web page.

There were two new members present at the meeting, Curtis and PJ. Welcome to CRRC!

Most of the meeting time was spent on combat flying. Thanks to Adam Smith's build night, there were a multitude of Flite Test Arrows available for combat flying and several rounds were flown with around five or or six planes in the air at one time. Not a lot of streamers were cut although there were a few impressive mid air collisions. Not many planes were destroyed during the combat so we plan to repeat the event at the next Davis field meeting.

Combat Night June 15, 2016




TARANIS

Presidents Letter July 2016

School Street Field Update

CRRC has permits for School Street Field for the dates of July 4, 6, 7, 17, and August 6, 7, 13, 14, 17, and 21. July 16 is reserved for rocket launches. August 20 is also reserved for another organization. Our monthly meeting will be held on August 17 at School Street because Davis Field is not available. (We will have our July meeting at Davis Field.) The times are 8 AM to sunset. I posted a copy of the permit on the Yahoo newsgroup. If you are flying there during the reserved times and there are any questions about our use of the field, please refer to the permit copies.

I have submitted a set of condensed rules for School Street to the Acton Recreation Director. The director had wanted a set of rules to cover all model airplanes and pilots at all times, not just for when CRRC has the field reserved. Here are the rules that apply to aircraft weighing more than 0.55 lbs:

1. Weight limited to under 10 lbs
2. Limited noise level: (TBD) decibels (measured at full throttle with sound meter at 20')
3. Restricted flight times
    a. IC engine: 10 AM to dusk
    b. Electric motor: 7 AM to dusk
    c. Exceptions are night flying events for electrics only
4. When using internal combustion engines, a fire extinguisher must be readily available nearby.
5. No flying if the fields are being used for organized sports. During field maintenance, no flying without prior consent from workers on the field. Outside of official sport or other reserved activity, maintain a minimum 25' horizontal distance from people using the field for other purposes than model aircraft operations. No flying over people at any time.
6. No flying over Route 2 or School Street. No flying over or within 25' feet from houses. All aircraft must remain within School Street Field boundaries.
7. AMA (Academy of Model Aeronautics) and Federal Aviation Administration rules and guidelines should be followed.
8. All other Town of Acton and state of Massachusetts rules and regulations must be followed.

I also provided links to the AMA and FAA websites, as well as to: http://www.knowbeforeyoufly.org.
I didn't want to give them too many rules that no one will bother to read.

We had originally suggested no gas/glow at School Street Field; however, there is a group of pilots that have been flying there for many years, and there is a small number of glow airplanes. Our goal isn't to prevent them from flying there. So I discussed this with the recreation director and explained that their glow engines are very well muffled. I suggested that I take a sound reading of their plane and use their airplanes as reference for a sound limit. The director has agreed to this. She is going to submit the rules to the Acton Town Council for official approval.

Cont'd next page

While I have not been able to find a noise limit specified for Acton, I found that Massachusetts has a law that limits the increase in noise over a property boundary to 10 db over ambient noise level (equipment for lawn maintenance and a few other cases are exempt during daytime hours). I have not yet been able to take a noise level measurement (should happen soon), but I feel confident that the current glow planes flying there will not exceed the 10 db limit. At 20 feet

from the aircraft, I expect the noise level to be well below what the AMA recommends. Using the current pilots' glow planes as a reference for setting limits will effectively rule out much louder gas engines and large airplanes.

My intention was to allow all current pilots that fly at School Street to continue to fly while satisfying the various Acton government agencies and avoiding future noise complaints from abutting neighbors. While it isn't official, I have heard rumors that there will be no soccer at School Street Field this fall. They will be attempting to grow some grass for future soccer use. This means that the field will be available for use by CRRC members when not reserved for other organizations.

John Eppling

Combat Night July 20, 2016

What is "Combat"?
This event is streamer combat with small electric powered planes. Pilots all launch their planes together and for 5 minutes per round try to cut the crepe paper streamer on opposing pilot's planes.

What are the rules?
1. The power system on your plane must use 100 watts or less at full throttle. 100 watts is approximately 12 amps on a 2S LiPo, or 8 amps on a 3S LiPo.

2. Your plane must be able to fly for five minutes while towing a crepe paper streamer which is approximately 20 feet long. Streamers will be provided at the contest.

When is the Event?
June 15 after the General Meeting at Davis Field

What do I need to fly combat?
A plane that you're willing to risk crashing. Although in streamer combat the objective is to cut streamers and not hit other models, mid-air collisions and other crashes are not uncommon. The ideal combat plane is crash resistant, cheap, easy to build and easy to fix, and capable of really short radius turns. The rules we set are to ensure that all the planes fly at similar speeds.

1. While planes designed specifically for combat are available, other designs (such as flat EPP 3D planes, small foam wings or park jets) could also be used.

2. Moderate pilot skill. If you can do turns and loops and keep from hitting the ground you're good enough. You will be a better pilot after the contest.

Why fly combat?
- Lots of Fun
- Great for building pilot skill
- Bragging rights

What are some recommended planes?
- **Fast and Furious** - <http://www.rcgroups.com/forums/showatt.php?attachmentid=2746365&d=1252525689>
- **Nifty** - <http://www.rcgroups.com/forums/showthread.php?t=1077013>
- **Mini-Gremlin** - <http://racores.com/MiniGremlin.html>
- **Bloody Wonder** - <http://store.flitetest.com/bloody-wonder-speed-build-kit/>

Is there any entry fee
No! This is a free event

Don't Miss The Drone Revolution!

Police, Fire, Engineers, Public Works, Farmers!

Drones will improve your organization's methods by:

- Improving Safety
- Saving Money
- Enhancing Services
- Saving Resources
- Identifying Hazards
- Being Eco-Friendly

The Drone Revolution: Innovative Current & Future Applications workshop is designed to introduce both current and future UAV (unmanned aerial vehicle) users to some of the current popular applications and others that are still being developed. Training will include regulations that apply to commercial users, as well as government employees. Safety procedures and best practices will also be addressed. Live demonstrations included!

The instructors for this one-day course will provide information on:

- FAA Regulations
- Types of UAV's
- Preparing Your Community
- UAV Safety
- How UAV's are Being Used
- Future Applications

August 4, 2016 • UMass Center, Springfield • 9:00am - 4:00pm

The UMass Transportation Center has a NEW Website!

To register visit the UMass Transportation Center's NEW Website.

When you get to our new website, choose the "TRAINING" main menu drop down, choose "UMTC-TTI" and then "Courses". Click on the course session date and then register!

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Building and Flight Instructors

To start your your instruction please call the Chief Instructor, Dick Williamson. You will be match with one of the Instructors. All Instructors are qualified AMA pilots and willing to give assistance to fellow club members.

Types of instruction
B = Building
G = Glider
E = Electric
F = Fuel
H = Helicopter

Dick Willamson - B, G, E
978-618-5475 - Sudbury

Fritz Bien - B,G, E
978-369-1720 - Concord

Derick Veliz - B, E
978-337-7867 - Acton

John Weigel - B
508-655-2138 - Natick

Richard Gammon - B, G, E, F
508-835-2049 - West Boylston

Ken Antonellis - G, E, F
508-653-8369 - Natick

Bruce Schneider - G, E
978-460-0305 - Hudson

Lincoln Ross - G, E
781-901-0332 - Waltham

Dave Walter - G
978-562-5400 - Hudson

Jon Leehey - F
508-358-5721 - Wayland

Tony Davids - H
978-568-9598 - Stow

General Information

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. Effective April 1 the key for the 2015 season is key #4. Ken may have keys at the meeting. A $5 deposit is required the first time you receive a key.

New Wings

Flying Sites

Go to the CRRC Website and select the Flying Sites tab to see the various sites. The site page will give current weather and site information.

Tree Climbers

LloydKeyes(Wayland)
508-358-9197 or
508-341-0110

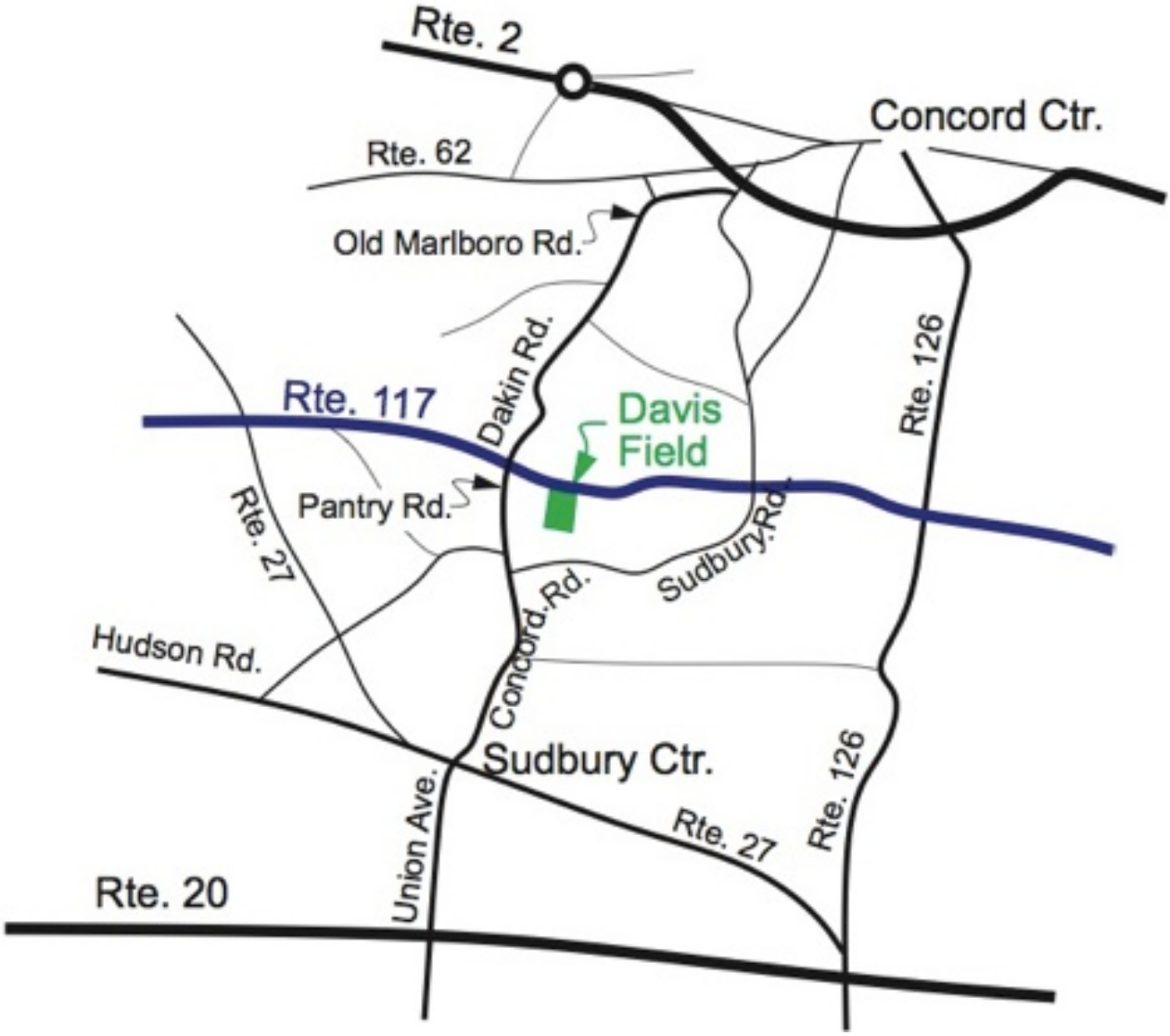
Scott (Sudbury)
508-203-3845

Stephen Canessa
The Tree Guy
978-460-1000

Hartney Greymont (Medfield)
Sean Comer
781-444-1227
thescomer@gmail.com

July Club Meeting
Guests are Welcome

Wednesday July 20, 2016
Combat at 6PM
Meeting at 7:30PM
Davis Field
195 North Rd, Sudbury, MA 01776



2016 MEMBERSHIP APPLICATION

Name

Street

Town State Zip

Telephone

E-mail

IMPORTANT: You must be an AMA member in order to receive your CRRC membership card

Junior membership is free apply at 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

AMA No.

Birth Date (AMA req'd)

To receive membership card and field pass, bring this application to a club meeting, or mail to the membership secretary (address below).

David Spielman

Membership Secretary CRRC

66 Oak St, Wellesley MA 02482

781-489-5450

Email: membership@charlesriverrc.org

Please make check payable to: **Charles River RC**

You can pay by check or use PayPal.
(PayPal to membership@charlesriverrc.org)

SAVE $5 - EARLY BIRD DUES RATES ARE LISTED

	MEMBERSHIP CATAGORY	On or before Mar 1, 2016	After Mar 1, 2016
☐	OPEN Member	$40.00	$45.00
☐	JUNIOR member, (Under 19 before Jul. 1)	Free if AMA member	Free if AMA member
☐	SENIOR member, (If age 60 before Jul. 1)	$30.00	$35.00
☐	SENIOR member, (If age 75 before Jul. 1)	Free if AMA member	Free if AMA member
☐	Full time STUDENT	$20.00	$25.00
☐	Family member additional to OPEN membership	$20.00	$25.00

☐ DO NOT include my personal contact information in the club phone book