



CRRC Flight-Log

<http://www.charlesriverrc.org>

AMA Charter 339

February 2016

Next General Meeting

Wednesday, February 17, 2016 at 7:30PM in the Goodnow Library
A Soaring Skills video by Paul Naton will be shown

A reminder from David Spielman

There is a discount if you renew your membership early
Fees and dates are listed in the last page of this newsletter



Calendar

February 17, 2016
General Meeting at
Goodnow

May 18, 2016
General Meeting at
Goodnow

July 20, 2016
General Meeting at Davis

Tuesday, March 15, 2016
General Meeting at
Goodnow

May 14 and 15, 2016
Float Fly at
Wayland Town Beach

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

Saturday, March 26, 2016
Davis Field Clean Up

June 15, 2016
General Meeting
and a
Combat Event at Davis

August 17, 2016
General Meeting at Davis

Saturday, April 16, 2016
Tentative Date for
Billy Martin Field Clean Up

July 4, 2016
Davis Field Demo

September 21, 2016
General Meeting at Goodnow

April 20, 2016
General Meeting at
Goodnow

July 16 & 17, 2016
ALES Contest at Davis Field

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

CRRC General Meeting Minutes for January 20, 2016

John Eppling opened the business meeting at 7:30 PM

Field Reports: Both CRRC fields are in good condition.

Old Business: Secretary's report was approved. Treasurer's report was unavailable. CRRC currently has 85 members.

The Frozen Finger Fun Fly was held in good weather for January, with light winds and relatively warm temperatures. As a result, the turnout was excellent with over 20 participants.

The spring float fly is now scheduled for May 14 and 15, 2016. This one week earlier than

previously scheduled and will avoid conflict with other activities at the site.

The combat contest is being moved from its previous fall date to June 15 at Davis Field. This is at the regular CRRC June meeting at Davis field. This will be an informal "fly what you bring" combat event. Contact Dan Sullivan for details.

New / Returning Members: Several new members were present at the meeting.

Mike McLarney: He has been flying a DJI Phantom III quadcopter.

Dave Manegold: Dave is a previous CRRC member. He is interested in scale building and quadcopters.

Bernard Biales: Intersted in joining CRRC.



Safety Corner

LiPo batteries are model airplane power houses. Light and powerful, they make electric flight equal or greater in power than fuel engines. With great power comes great responsibility. That is responsibility to charge your batteries where you won't damage property. Battery charging technology has improved and is far safer than it used to be. Its still not a foolproof process and is advisable to charge in a fire proof container or outside where property damage won't occur. Use a charger with cell balancing and make sure the settings are correct. Know your cell count and battery chemistry and keep it fun.

Charge safely
David Spielman

Dave Spielman demonstrated his scientific tests on the raffle bin that ensure complete randomness and impartialty. His ticket was picked second.



Dick Roy: X4 Single Cell
Lipo charger



Dave Spielman: Charge Checker
(Ticket drawn by Dan Sullivan)



John Eppling:
Foam Tac glue



Joel Forner:
A CRRC Cap



Bert Cohen:
Foam Finish

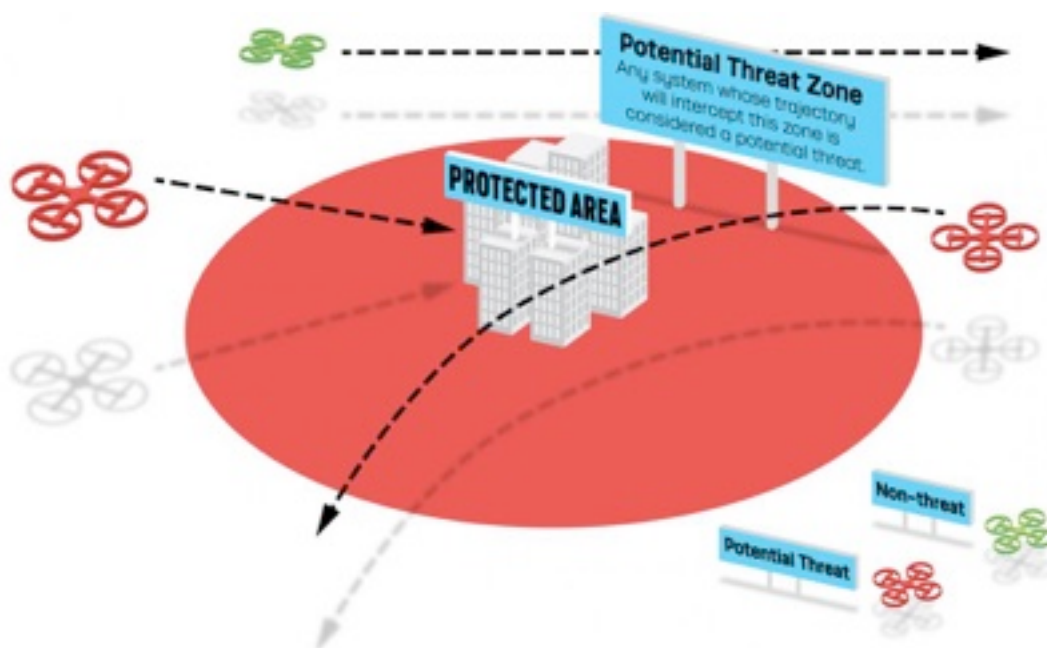
Dave Van Cleeve from Mitre corporation presented details on the Mitre challenge to develop methods to identify and disable unwanted or unauthorized drones. They are offering funding of \$100,000 (total) for development of the best ideas. Proposals were due on February 7.



The MITRE Challenge: Countering Unauthorized Unmanned Aircraft Systems

The use of small unmanned aircraft systems (UAS), known also as drones, within the United States is growing quickly as costs drop and interest rises. Government, industry, and hobbyists are finding many ways to use these small aircraft. However, we're also seeing unauthorized uses—resulting in drones that potentially threaten the safety of aircraft in the national airspace and create security concerns by operating near sensitive locations. The potential for nefarious use of this technology is unsettling and has become a major safety and security concern for multiple Federal agencies.

<http://www.mitre.org/research/mitre-challenge>





Dave Van Cleve showed some Hobby King multi-color LEDs for use on airplanes and rotorcraft



John Eppling showed a Great Planes Kunai warmliner powered glider. It runs on a 3-cell Lipo and weighs 21 oz.



Bill Northup had a small racing style quadcopter with FPC and a Naze 32 controller board.



John also had a winter flying setup consisting of a transmitter glove and a battery-powered, temperature-controlled heater to keep hands warm on cold winter days.



Bert Cohen completed the meeting by showing a documentary film on the Republic P-47 WWII fighter plane.





Presidents Letter, February 2016

Well, so much for my weather forecasting ability. I guess I should have read the most recent forecast before I sent off last month's President's letter to the press. I said it looks like there would be a few more flying days left, but of course since then it has mostly been windy, rainy, snowy, or just plain cold. This Sunday would have been good if you had something that could fly off of snow.

Regardless of the weather, if you plan on flying anything after our February meeting, you need to be registered with the FAA. The deadline is February 19th. You can register at <https://registermyuas.faa.gov/>. Remember that you don't need to register each model that you fly. You just register once and use your registration number on each of your aircraft. The AMA is working with the FAA to allow us to use the AMA member number, but until that happens, you need to use the FAA registration number.

There is not a lot of outdoor RC activity for most of us during the month of February, but there must be a lot of projects people are working on, waiting to start, or ... just sitting in a box somewhere in the basement. Winter project night is in April; however, you should bring your current project, whatever state it is in, and give us a preview this month during show and tell.

David Spielman is bringing some fantastic raffle prizes this month! A 50 watt wind turbine kit, a Gentle Lady glider, and more Foam Tac! Maybe his improved raffle cage will give me a chance to win that wind turbine. Can't win if you don't play, so be sure to come to the meeting at Goodnow Library on February 17th at 7:30 PM.

The Millis club will be exchanging the key to Bill Martin Field on February 23, so please see Ken Antonellis after that date for exchanging your old key for the new key. Remember that you need to be a CRRC member for 2016 in order to get the new key, so if you haven't done so, send in your renewal for 2016 to David Spielman. You get a \$5 discount if you renew before March 1.

John Eppling

Here are the raffle prizes. First prize, your choice of:



A Sundance Solar 50 watt wind turbine kit. For those days when it's too windy to fly, charge your 12 volt sealed lead or car battery at up to 50 watts.

Or

A Gentle Lady 2 meter sailplane kit. Powered with a 150 watt brushless motor you can be competitive in the ALES contest this summer.



Third prize is a bottle of Foam Tac foam adhesive, a fantastic foam friendly cement.



Officers

President

John Eppling

president@charlesriverrc.org

Vice President

Bert Cohen

vicepresident@charlesriverrc.org

Treasurer

Dave Marshall

treasurer@charlesriverrc.org

Membership Secretary

David Spielman

membership@charlesriverrc.org

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Chief Instructor

Dick Williamson

chiefinstructor@charlesriverrc.org

Raffle Chairman

David Spielman

xofficio@charlesriverrc.org

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 Williamson - 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.

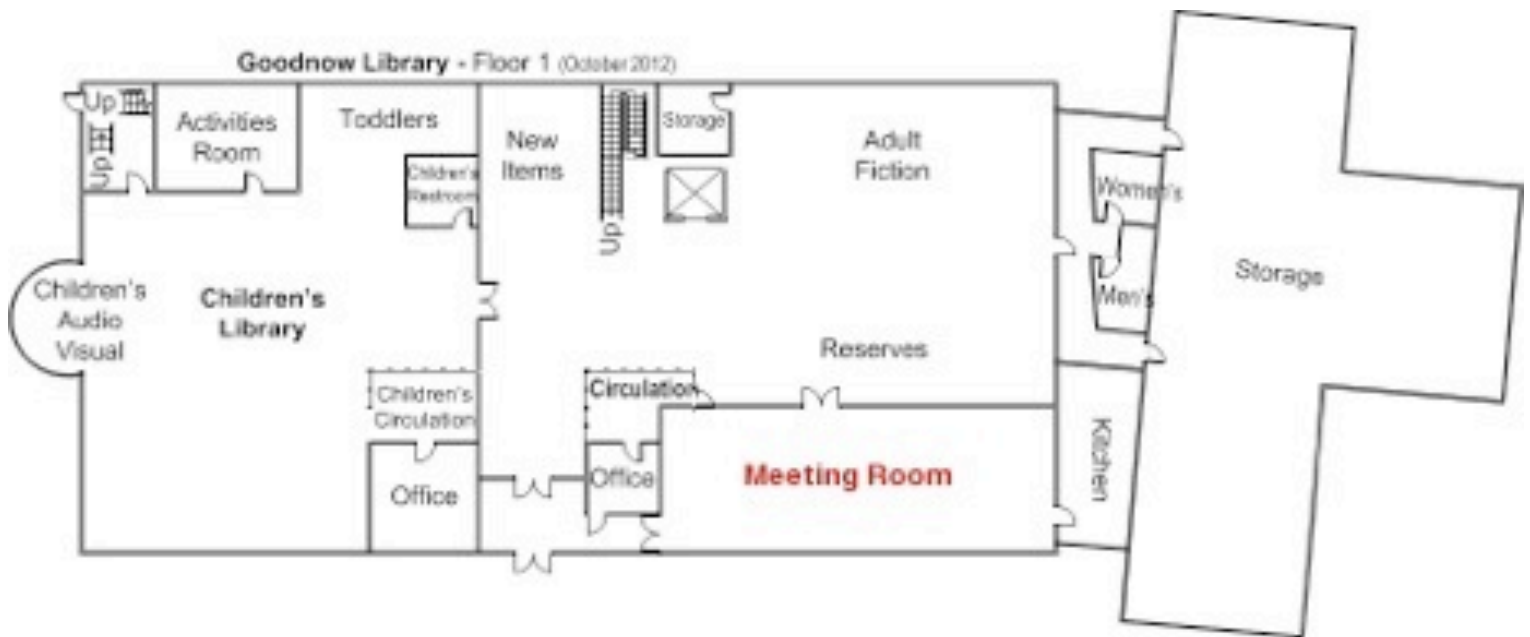
Tree Climbers

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

Scott (Sudbury)
508-203-3845

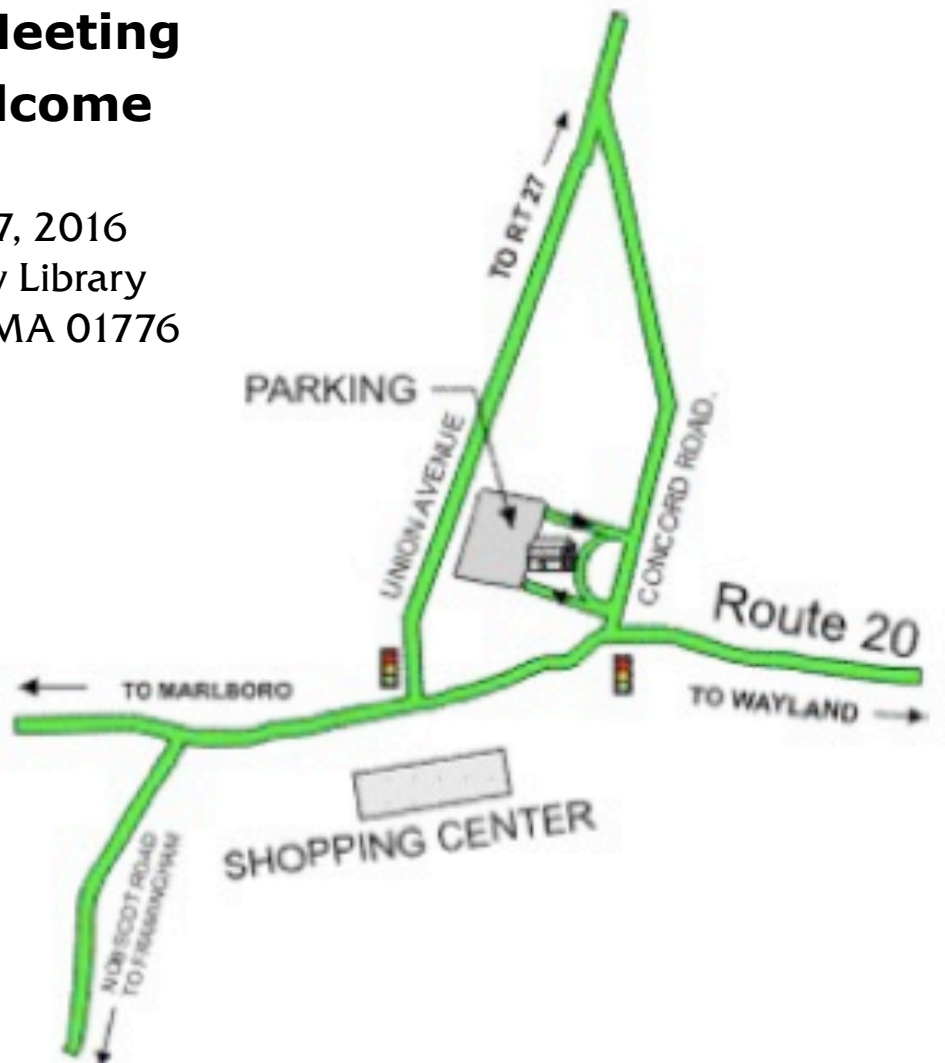
Stephen Canessa
The Tree Guy
978-460-1000

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



February Club Meeting Guests are Welcome

Wednesday February 17, 2016
7:30PM at the Goodnow Library
21 Concord 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