



CRRC Flight-Log

June 2015

<http://www.charlesriverrc.org>

AMA Charter 339

Next General Meeting

Wednesday June 17, 2015 7:30PM at Davis Field
No speaker, come to the field and enjoy the flying

A reminder, July 4th is the CRRC Demo Day at Davis Field
Contact John Eppling if you intend to be a part of the demo



CRRC General Meeting Minutes for May 20, 2014

Business Meeting: Dave Spielman opened the business meeting at 7:30 PM at Goodnow library in Sudbury, MA.

Field Reports:

As reported in the last newsletter, Davis field has been saved from development for the present.

The Town of Sudbury has determined that CRRC contests that draw participants from outside the club are considered "Jamborees" that are charged at higher rate (\$5.00 per person per day) than the normal field rental rate.

We have decided to continue to pursue getting approval to use the soccer fields on School Street in Acton as a backup field.

New Business:

The club approved advancing \$1000 to Brian Rickman as a loan to obtain supplies for the Sudbury adult model building and flying class

at Hobbyland. The funding is a loan and will be repaid when the class fees are collected.

Old Business:

Treasurer's report was approved as presented.



Raffle Winners



Ken Antonellis: Whippit micro DLG glider



Al Marshall: FT Simple Soarer glider kit



Bert Cohen: Mobius mini video camera



Brian Rickman displayed the
CRRC baseball caps

Show and Tell

The theme of the meeting was multirotors so several of the members brought their latest creations for discussion.

John Currier had an Iris Plus quadcopter with a 2-axis gimbal holding a GoPro camera. The quad is capable of autonomous flight and can fly for 20 minute on a single charge.

Chris Fields had a small quadcopter of his own design. He designed the frame with Solid Works and had the parts CNC manufactured from the computer design. The frame is made of flat carbon fiber plates and it uses a Naze 32 board programmed with the Clean Flight setup program. The machine runs on a single 2200 MAH 4-cell lipo battery and has 2000 KV motors spinning 6 inch props.

Dave Spielman had his home built quadcopter built around a Flite Test electohub. He also had a Proto-X micro quadcopter.

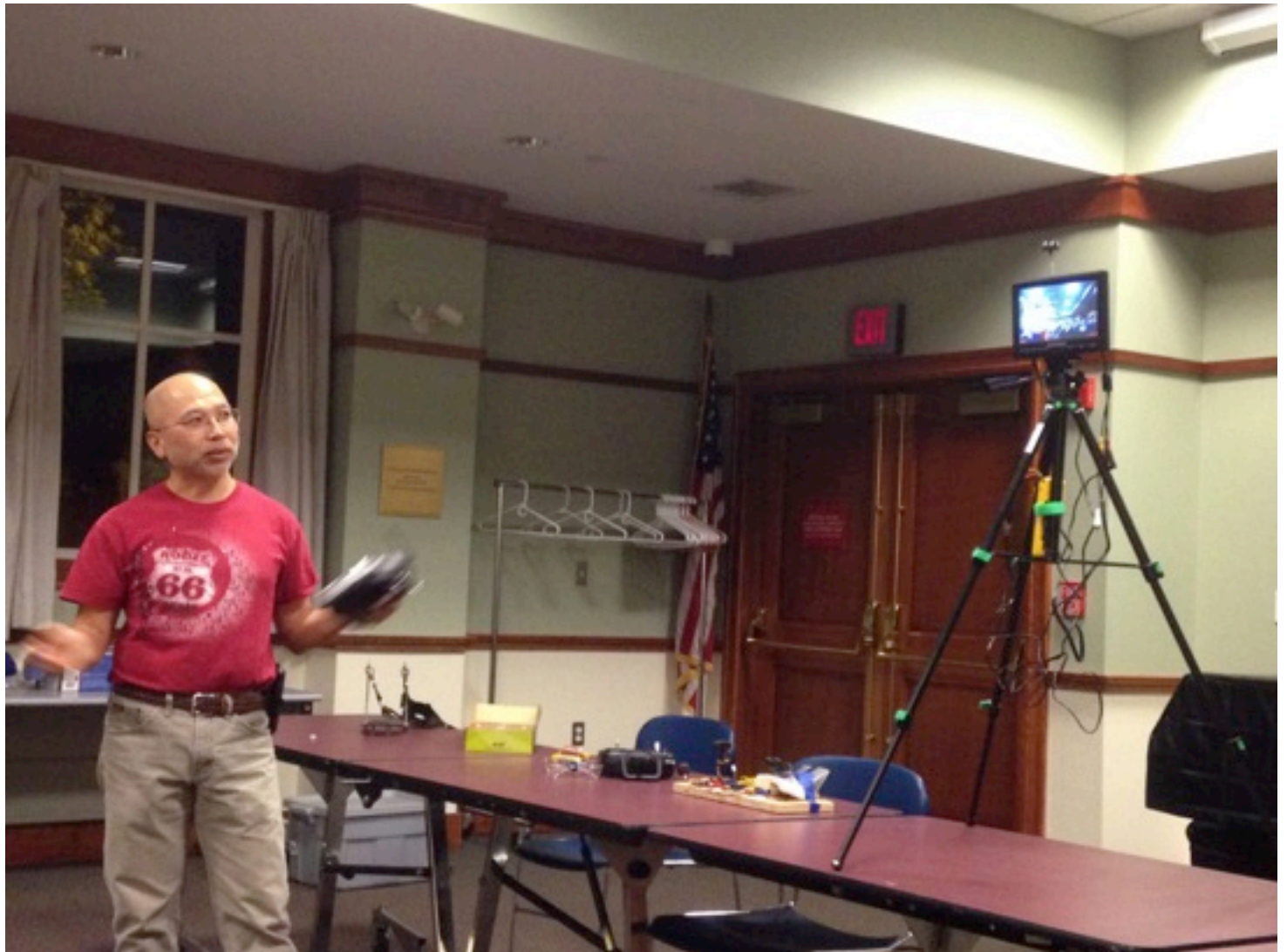
Dave Mak had a tricopter built around a Hobby King Trifecta frame. It uses a Hobby King APM board for control and has a magnetometer and barometer for navigation.

Kyle Smith had Walkera 3D collective pitch helicopter. It's very tough and crash resistant due to its small size, but is very capable and can perform any type of collective pitch helicopter 3-D maneuvers.

John Eppling had a Nano QX FPV quadcopter and also demonstrated an Eagle Tree controller board with an integrated on-screen display.

Brian Rickman had his reworked Windrider Bee flying wing. The wing was somewhat overpowered as originally built so Brian installed a smaller motor and power system which has made it much easier to fly.







Presidents letter June 2015

The flying season is upon us after a long, cold and snowy winter. I thought I'd have been more productive, making all sorts of planes, but alas the snow took its toll and buried my productivity as well as the flying field. I did build a few planes and I hope that many of you did too. One thing I'm sure of is that there are at least 20 new combat planes that should be ready to fly now. Brian Rickman wants to get all of you to be top notch competitors for the October combat contest, so he organized a Father's day combat contest too. Now we haven't seen many of the combat planes out at Davis field yet, so how about a little combat warm up at the next club meeting right there on Davis Field? Bring your Nifty, Nut Ball, Fast and Furious or whatever you have and get some practice. The next meeting is June 17 at 7:30. Many of us will be there early to get in some afternoon flying, so come early if you want. This is a flying meeting. Spectators and guests are welcome.

We've been exceedingly lucky to have two wonderful flying sites, one for fuel power and the other for electric. Last month was a reminder of how close we can be to the fields physically changing. Though there haven't been physical changes, there will be some financial changes at

both fields. The Bill Martin field yearly permit fee is increasing from \$50 per year to \$200 per year graduating over the next four years. We pay half of this because the field is shared with MMAC. Additionally, we need to start reporting incidents at the field including accidents and complaints from local officials. A copy of the incident report form with instructions is included in this newsletter and will be available on our web page. MMAC will also be reporting incidents. Fees for use of Davis Field will be going up. Our two big contests, the ALES and Soar-In are now considered Jamborees and require \$5 per person, per day to be paid to Sudbury Park and Rec.

The Acton, School street soccer fields present another flying venue. We have walked the fields including some of the surrounding area and several club members have met with the Acton Park and rec department to get permission to use the field. Acton Park and Rec has offered us use at the standard team rate. We will be asking the club to vote to approve this funding for the summer of 2015, at our next meeting. Cost will be about \$500 for 20 flying days. The field is a little over 5 miles from the nearest airport, affording us the ability to fly up to 500 feet. If funding is approved, we will add field insurance and contact the airport to inform them of model aircraft activity on the soccer fields. This is a great opportunity to avoid field conflicts.

We have some fantastic events happening this summer. Two are between the June and July meetings. A father's day combat event takes place at Bill Martin Field in Medfield from 9:00 to 1:00 Sunday June 21st. Brian will bring the crepe paper streamers, you bring your 100 watt combat plane. Next is the July fourth open house at Davis Field from 9:00 to noon. We will be offering buddy box flying as long as there are batteries and airworthy planes. Members are encouraged to bring your previously flown planes and show your skills for the spectators.

The ALES, (altitude limited electric soaring for you newbies), is scheduled for Saturday and Sunday July 18th and 19th from 9:00 to 3:00 at Davis Field. 20 to 35 contestants are expected for this event. All you CRRC members are encouraged to enter. If you have an electric glider with a soaring circuit and a desire for some friendly competition, you can join us. Pilots will compete in groups of 4, to make timed flights ending on a 5-meter target. Cost is \$15 per day or \$25 for the weekend. Sign up at www.FLYESL.com Helpers are needed for lunch, drinks, set up and teardown. Some timers may also be needed. Contact David Spielman or Brian Rickman to help out.

Our biggest and most competitive contest is the Soar-In, taking place at Davis Field on August 8th and 9th from 9:00 to 3:30. This is a thermal duration contest set up as Man on Man, with four launch stations per

flight group. Sailplanes of all sizes will compete to make precisely timed flights ending with a direct hit on the center of a 10-foot target. Sailplanes will be winch launched with closely matched winches so that all pilots have an even chance to prove themselves. Register for the Soar-In at www.flyesl.com All pilots novice through expert who are AMA members are welcome. Please contact Anker Berg-Sonne or Fritz Bien if you can help with setup, lunch, timing and teardown.

These events have been set up for your enjoyment and participation. We need your help to make each one a success. Come and compete, help out your fellow fliers or just enjoy the view.

Fly safely,
David Spielman



Expect the unexpected. The recent multi-rotor incident at the memorial day parade in MarbleHead serves as a reminder to all of us. Things can happen to your aircraft when you least expect it. The trick is to be prepared for this event by making sure you follow the AMA safety guidelines and especially don't fly over individuals or groups. Find the AMA safety code at www.modelaircraft.org

Fly Safely,
David Spielman

Charles River RC Bill Martin Field Incident Report

The following are requirements for permitted use of Bill Martin Field in Medfield as requested by the DCR (state body who we lease the Bill Martin Field from).

a. CRRC and MMAC shall develop an accident reporting system and shall ensure that all members understand and comply with said system. The CRRC and MMAC shall make and preserve records of all accidents, emergencies and administration of medical aid on Premises.

b. The CRRC and MMAC shall within 24 hours verbally notify DCR staff of any injuries, property damage or related incidents that occur on the Premises and shall provide written notice to the DCR within three (3) calendar days of said incident, The written notice shall provide a detailed account of the incident including but not limited to the nature of the incident, the name of any individuals involved and the names of any and all witnesses, all phone numbers, addresses and contact information of affected individuals and witnesses and the names of any agencies (federal, state, and/or local) that responded to the incident.

c. If the CRRC and MMAC are notified by any regulatory agency having authority over the Premises that the Premises operations are in violation of an applicable rule, regulation or statute, the CRRC and MMAC shall within 24 hours verbal notify DCR staff of said violations and take immediate action to cure said violation. If the CRRC and MMAC fail to take prompt remedial measures, the DCR may suspend the operations on any part or all of the Premises.

What is a reportable incident? An accident resulting in personal property damage or injury to the pilot or other person is considered an incident. Minor personal injury (small cut, etc.) minor damage to trees and turf are excluded. If police, fire department or local authority inform you that you are doing something in conflict with law or local ordinances, that is considered an incident. A noise complaint from a neighbor or complaint from a fellow pilot is not an incident.

How to report an incident or accident: Fill out this form and send it to the CRRC club president President@charlesriverrc.org or to BOD@charlesriverrc.org within 1 calendar day.

What will be done: The club president and/or board member(s) will review the incident and a) determine if a report needs to be filed b) fill in required missing information in the report c) send a copy of the report to DCR staff within 2 days of receiving the report d) inform MMAC of the accident report filing e) store the incident report for a period of at least 3 years. The report will be kept private unless the reporting person wants to share the information. An accident summary without personal information may be shared with the club members and AMA.

Responsibility of the pilot: You are responsible for filing all other accident information to the proper authorities. The pilot must comply with local and state laws and regulations and both AMA and CRRC guidelines and rules. These can be found at www.Modelaircraft.org and www.charlesriverrc.org and in the CRRC club charter and handbook. As an AMA member, you have insurance coverage as described on the AMA website.

The full report form was included as a second attachment when this newsletter was emailed. A PDF of the form will be available on the website.

May Float Fly



Raffle Prizes





Is this part of Dr Frankenstein's lab?







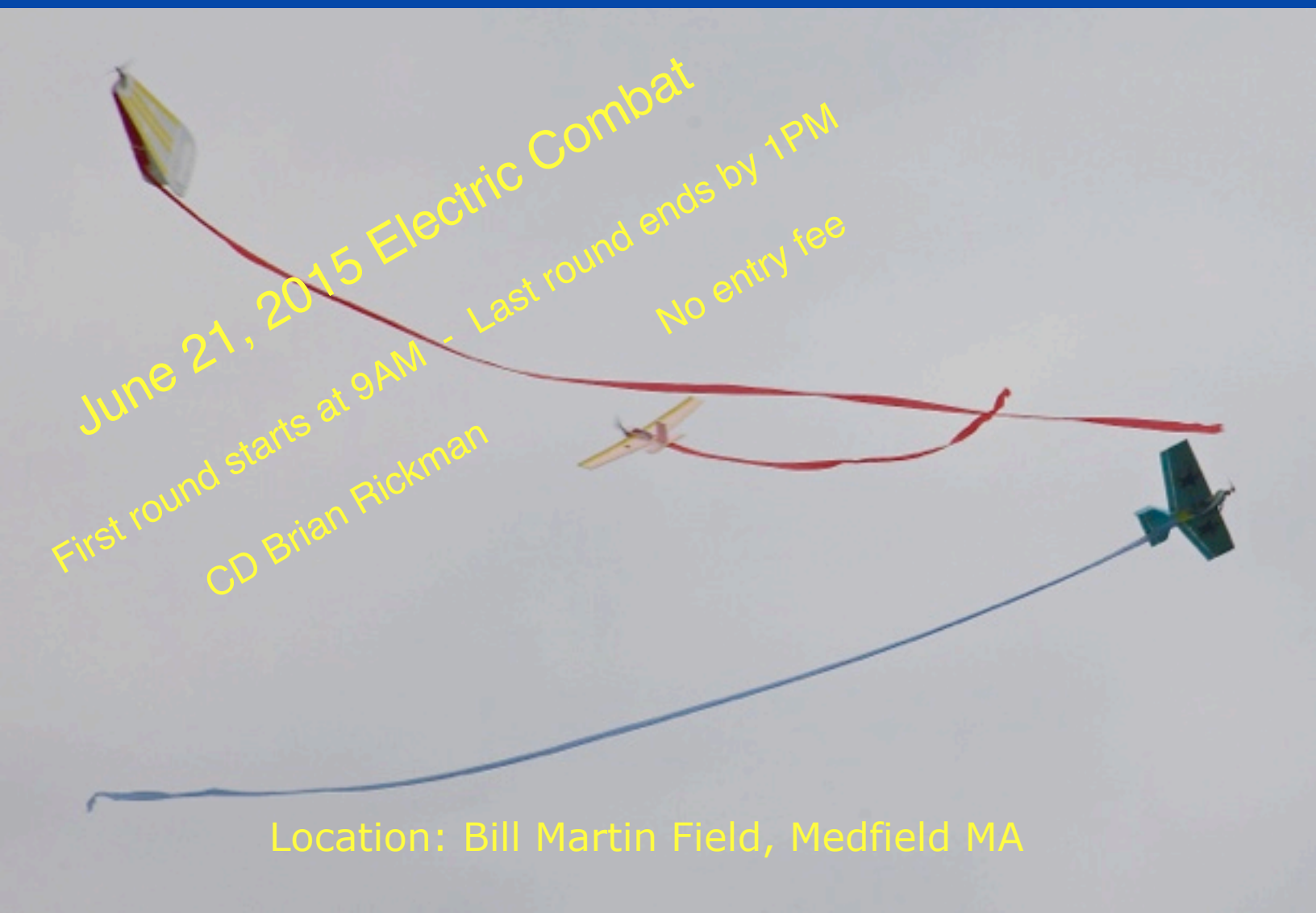




From Tom Bauer, Sloping Steptoe



Steptoe Butte State Park, WA



The Rules

Any size and type of plane is allowed, but the power system must conform to one of the following limits:

At full throttle the power system uses 100 watts or less or

The battery has a capacity of no more than 1000 Mah and a no-load voltage of no more than 8.4 volts (2S LiPo).

Streamers will be 2" wide crepe paper, 18' long.

Each round will last 4 minutes.

If your streamer gets cut or falls off, you must land and sit-out the rest of the round.

If your plane touches the ground, you must sit-out the rest of the round.

Scoring:

10 points for cutting a streamer

5 points for being in the air at the end of the round with a full-length streamer attached to your plane

Recommended planes include, but are not limited to:

3d profile planes (<http://www.racores.com/FlatFoamies.html>) ,

Mini Gremlin (<http://www.racores.com/MiniGremlin.html>), and

Fast and Furious (<http://groups.yahoo.com/group/crrc/files/Fast%20and%20Furious%20Combat%20Plane/>).

CRRC 2015 Altitude-Limited Soaring Contest



July 18 and 19
Davis Field, Route 117
Sudbury, MA

**Join us for some friendly competition at the 2015 ALES Contest.
Awards for 1st, 2nd and 3rd places**

Planes must be equipped with a CAM or similar circuit that cuts off power to the motor at 30 seconds or 200 meters of elevation, whichever comes first.

CAM circuit loaners will be available free on the day of the event. Also CAM circuits will be on sale for \$45. (Quantity limited)

Scoring will be man-on-man thermal duration with the flight time starting when the motor is turned on.

Entry Fee: \$15 each day or \$25 for the weekend
(Includes lunch and drinks)

Registration Limited to 40 contestants.

Register at www.flyesl.com

Pay on line at <http://ales.acm.alnet.com> or at the field

Sign-in: 8:00 am, Pilots meeting: 9:05 am

For more information, contact CDs:

David Spielman: dspielma@gmail.com or 508-277-4403

Brian Rickman: brian.rickman@gmail.com or 774-249-2494

Visit www.charlesriverrc.org for field information

GPS: N42.4173 W71.400

This is a rulebook contest with emphasis on friendly competition

The "South Shore R/C Club" Presents the 2015 Scale Fly-In

Saturday August 15, 2015



Enjoy a day of sharing your scale airplane with fellow pilots in open flying or participate in an instructional "Flying AMA Scale" seminar of flying scale maneuvers in a friendly setting.

Awards for Fly-In: "Best Military", "Best Civilian", "Most Realistic Flying", "Hank Ilitzsch Craftsmanship Award" and Peoples Choice "Best Aircraft"

Two flight lines for continuous flying, no 3D

Noon Flight Demonstration

Open to all AMA members

Non-Competitive "Flying Scale Seminar"

CDs: Ray Schmidt & Bob Mandeville

Contact: schmidtsk@aol.com

PH: (781)-297-5109

Visit: www.ssrrc.org for details

Saturday August 15th with rain date of August 16th

Grass Runway, Large clear flying area

Registration opens @ 8:30 AM, Flying: 9:00AM to 4:00 PM

(If rain delay to Sunday reg. @ 9:00 AM, Flying starts @ 10:00 AM)

AMA Class "C" Sanctioned, AMA Safety Rules Apply

South Shore R/C Club Flying Field, off RT 18 via State Farm Road

792 Conant Street

Bridgewater, MA 02324



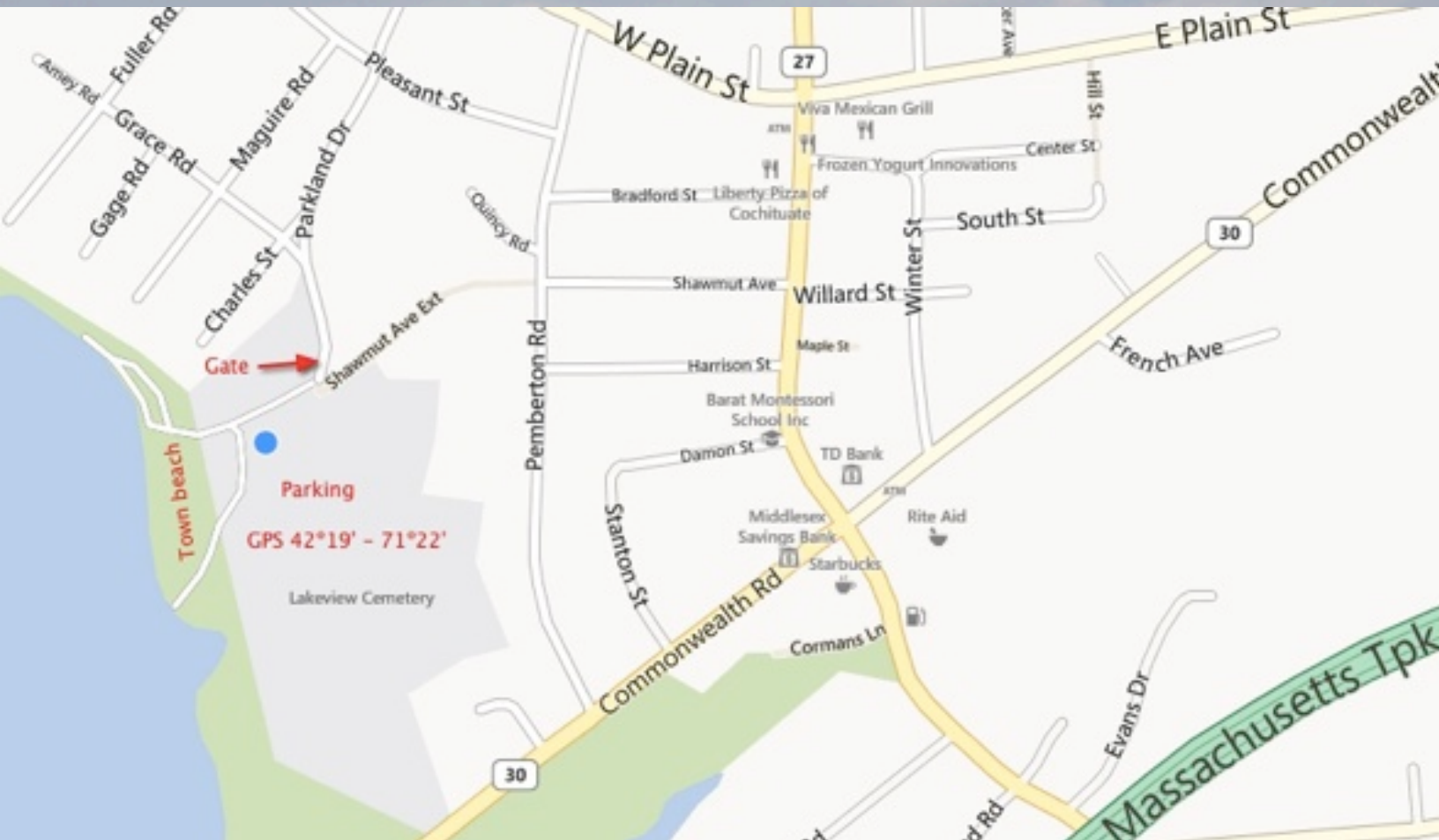
Fall Float Fly (AMA Membership Required)

September 19 & 20 , 2015

**Flying 9AM to 3PM both days
\$15 landing fee for the weekend**

**There will be Raffle Prizes
&
Food and Drink**

Wayland Town Beach, 25 Parkland Drive, Wayland MA



Officers

President

David Spielman

president@charlesriverrc.org

Vice President

Brian Rickman

vicepresident@charlesriverrc.org

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John Epling

membership@charlesriverrc.org

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Raffle Chairman

John Epping

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

Tom Bauer - B,G, E

781-235-7344 - Wellesley

Brian Rickman - B, E

774-249-2494 - Marlborough

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

978-800-0608 - Maynard

Dave Walter - G

978-562-5400 - Hudson

Jon Leehey - F

508-358-5721 - Wayland

Tony Davids - H

978-568-9598 - Stow

Calendar

June 17, 2015
General Meeting at Davis

June 21, 2015
Electric Combat at Billy Martin

July 4, 2015
CRRC Demo at Davis

July 15, 2015
General Meeting at Davis

July 18 & 19, 2015
ALES Contest at Davis

August 8 & 9, 2015
Soar In ESL Contest at Davis

August 19, 2015
General Meeting at Davis

August 29, 2015
RES & 2 Meter Glider Contest
at Davis

September 16, 2015
General Meeting at Goodnow

September 19 & 20, 2015
Float Fly at Wayland Town Beach

October 3, 2015
Electric Combat at Billy Martin

October 21, 2015
General Meeting at Goodnow

November 18, 2015
General Meeting at Goodnow

November 29, 2015
CRRC Auction VFW Natick

December 16, 2015
General Meeting at Goodnow

CRRC Flight Log

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

Lloyd Keyes (Wayland)
508-358-9197 or
508-341-0110

Scott (Sudbury)
508-203-3845

Tony Morais
A1 Tree Services
(Framingham)
508-626-0088 or
800-657-7788

Stephen Canessa
The Tree Guy
978-460-1000

Hartney Greymont
(Medfield)
Sean Comer
781-444-1227



2015 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).

John Epping

Membership Secretary CRRC

43 Nylander Way, Acton MA 01720

781-771-7400

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, 2015	After Mar 1, 2015
☐	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

Please chose from the options below:

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

Help reduce operating costs by downloading the newsletter from the CRRC website.

☐ I DO NOT have access to a computer or the Internet - Please send me the Newsletter via US Mail.