



CRRC Flight-Log

<http://www.charlesriverrc.org>

December 2015

AMA Charter 339

Next General Meeting

Wednesday December 16, 2015 7:30PM at Goodnow Library

The Speaker, Evan Hadingham will present a video about the flight of the
Solar Impulse

A reminder from John Eppling

There is a discount if you renew your membership early

Fees and dates are listed in the last page of this newsletter

Calendar

December 16, 2015

General Meeting at Goodnow

January 1, 2016

Frozen Finger Fun Fly at Davis

January 20, 2016

General Meeting at Goodnow

February 17, 2016

General Meeting at Goodnow

Tuesday, March 15, 2016

General Meeting at Goodnow

April 20, 2016

General Meeting at Goodnow

May 18, 2016

General Meeting at Goodnow

June 15, 2016

General Meeting at Davis

July 4, 2016

CRRC Demo at Davis

July 16 & 17, 2016

ALES Contest at Davis Field

July 20, 2016

General Meeting at Davis

August 6 & 7, 2016

Soar In at Davis Field



CRRC General Meeting Minutes for November 17, 2015

The meeting opened at 7:40 pm at the Sudbury library. We had two guests, Robert and Oliver.

Field Reports: Davis was absolutely gorgeous today, lots of thermals and no wind. Medfield is also looking very good with no problems.

Membership Report: Member ship is now at approximately 125 members. You can renew membership at any time. We do not have a treasury report tonight as Dave Marshall is absent. There was some discussion concerning the School St. field. Please stand at the allocated areas to fly. John suggested that we draft some rules and give a copy to the town of Acton.

New Business: We have an auction on the 29th of November. We always need help to make this a fun auction. Brian Rickman made a motion which was passed to donate some extra R/C items belonging to the club to be given to John as he is working with one of the local junior high schools. Tonight is election night. Dave Marshall has volunteered to continue as treasurer. John Eppling has agreed to be president. Bob Sisson has volunteered to do the newsletter. Bert has volunteered to be vice president. Adam Smith has volunteered to continue as webmaster. Dick Williamson will remain as chief instructor. We do not have a recording secretary as yet. Dave Spielman has volunteered to be membership secretary.

For those who did not read this on CRRC yahoogroups, here is some information from Dick Williamson

Last week, Paul Griffin, member of the Park and Rec. Commission, presented a proposal to Sudbury's Community Preservation Committee (CPC) requesting funds to level a portion of Davis Field. This proposal is scaled back considerably from the proposal voted down a year ago by Sudbury Town Meeting.

The new proposal would level the portion of Davis Field that is currently used for soccer. That amounts to roughly the south half of the field. Soil would be moved from the higher area east of the field and moved to the southwest to raise the wettest areas about two feet.

The proposal has yet to be voted on by the CPC. If approved, the next step would be the Board of Selectmen. The final step would be approval at Sudbury's Annual Town Meeting in May.



Lincoln Ross, a JJRC H20
Hexacopter



Bob Sisson, a JJRC H20
Hexacopter



Ken Antonellis, Epoxy

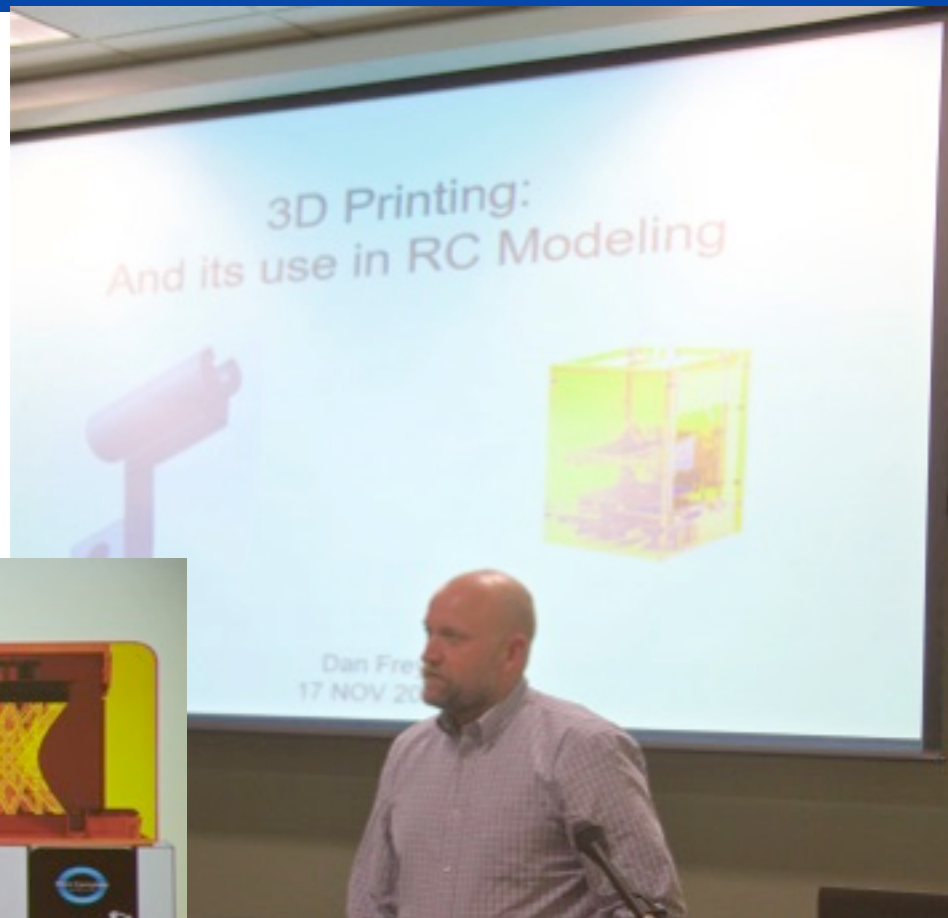


Adam Smith, a battery
voltage alarm



David Speilman, Epoxy

Brian Rickman introduced Dan Frey who spoke about 3D printers. It was an interesting night in which we all learned about this newest machine. They range in price from \$175.00 to \$30,000 and more! What has come on to the scene recently is a 3D printer which can print with the usual plastic materials embedded with high strength materials such as carbon fiber!



Form 2

- SLA technology (liquid selectively polymerized by laser)
- 0.0055" layers
- Object pulled from above
- 14.5 × 14.5 × 17.5 cm build vol.
- Waxy support material removed using high pressure water spray
- ~\$3500



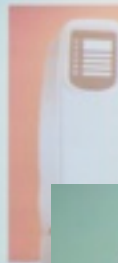
Objet Connex

- Mask image projection (sprays 8×10^6 droplets/sec)
- 0.0006" layers
- 19x15x8" build vol.
- Waxy support material removed using high pressure water spray
- "Digital Materials let you incorporate a range of hardnesses, opacities, shades or thermal properties into a single model..."



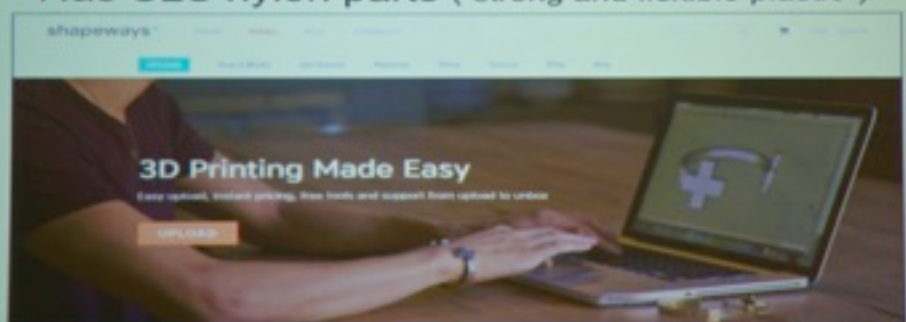
3D Printing

- Makes part from CAD files (STL format)
- Builds layer by layer ~0.010" thick (or thinner)
- Thermoplastic materials (ABS, PLA, Nylon) mostly
- Machines now as low as \$175, many ~\$500, can be >\$30K
- Or outsource your parts



Outsourcing (rather than owning a 3D printer)

- e.g. shapeways.com
- Has SLS nylon parts ("strong and flexible plastic")





Adam Smith showed a funjet with foldable wings, never seen that before!



Ray Harlan brought in a rubber powered clipped with spitfire weighing in at 3 grams!



Ned Watt brought in a demonstration of different hinging techniques. It looks like Blendern is best for foam and the sewn hinge is the smoothest



Dan Frey brought in a small plane in which the entire tail is controllable fore and aft and left and right!



It's been three years since my first president's letter, and now its time to pass on the privilege to our new club president John Eppling. At our November meeting, the club unanimously voted John to be the 2016 president. Vice president Brian Rickman stepped down after a year and a half and is replaced by Bert Cohen. I was elected to membership secretary. The rest of the Board of Directors offered to run for office for an additional term and was voted in. One last position needs to be confirmed at the December meeting, the recording secretary, presently occupied by Dan Sullivan.

The new board of directors will continue to bring club members fun things to do. Check the CRRC web site for upcoming events including the FFFF (Frozen Finger Fun Fly). On January 1st at 9:00 am, snow or shine CRRC presents the FFFF, with coffee and donuts there to help keep things warm. Come join your friends for a first flight at Davis Field. Who knows, maybe it'll be a warm flying day.

2016 is going to be an exciting year for model aviation. AMA membership has

seen record growth from 150,000 to 180,000 members. This membership change hasn't fully trickled down to CRRC yet, however we have seen a modest growth in our own membership. This is good for our hobby and for CRRC. It brings more people to our fields and helps our community recognize us as important participants in recreation. Drones will be an interesting challenge for this upcoming year. Christmas could bring a large influx of people to Davis and Bill Martin Fields. Many may not be members, so we need to help them understand the benefits of membership and how to fly safely.

CRRC has a Yahoo group, <https://groups.yahoo.com/neo/groups/crrc/info>

This is where you can find out what people are doing in the club, who is flying, where, and what equipment will be available. If you're a CRRC member or alumni, this page is a great help. We sometimes use this to sell or give away model aircraft related items too. That's why I have mail forwarded from Yahoo.

For my exiting note, as ex-officio I get to purchase raffle prizes for our 2016 meetings. The good news for all of the people who come to our meetings is that I'm a bargain hunter who likes high quality toys like cameras, battery chargers, high discharge batteries, planes and tools. What I'm saying is, come to the 2016 general meetings and enter the raffles, because it's going to be worthwhile if you win. Don't wait till 2016 to come to a meeting, because our next club meeting is Wednesday December 16th at 7:30 in the Goodnow library community room. John has great raffle prizes too, so you'll get a chance to compare.

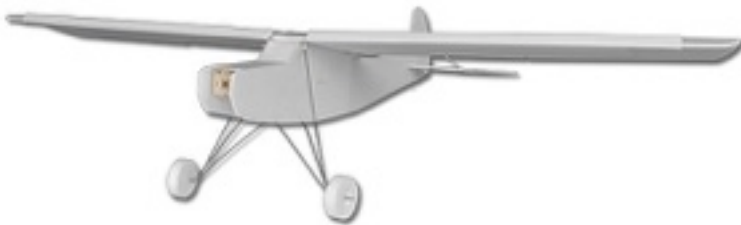
Santa was digging through his workshop getting ready for his round-the-world trip in a few weeks, and he found a few items that need to go (wife threatened to start throwing things away).
 UMX Whipit (<http://www.e-fliterc.com/Products/Default.aspx?ProdID=EFLU3150#home>)
 FliteTest F22 Speed Build Kit (<http://store.flitetest.com/ft-22-speed-build-kit/>)
 FliteTest Storch Speed Build Kit (<http://store.flitetest.com/ft-simple-storch-speed-build-kit/>)
 And for you guys who like to build balsa kits, a 72" Vintage Champion Models Anderson Kingfisher Seaplane kit. This will make a great winter project! It is designed for glow, but it should be easy to find a brushless motor to electrify the model.



UMX Whipit



FliteTest F22 Speed Build Kit



FliteTest Storch Speed Build Kit



Champion Models Anderson Kingfisher Seaplane kit

Safety Corner

CRRC pays over \$2,000 a year for rental of Davis Field plus pays for field insurance through the AMA. Davis field is often shared with pedestrians and pet dogs. As CRRC members we know to land or fly at a safe distance from visitors when they arrive. It's good practice to let new drone fliers how to fly around others and to let them know the fragility of our relationship with other field users and surrounding residents. One bad crash can spoil 20 years of good practice. You don't need to kick new drone fliers off the field, but you try to get them to fly safely. To an outsider, anyone flying at Davis Field is from

CRRC. Be friendly to all who come to the field since they are our friends.

Take a few minutes to make your way to www.Modelaircraft.org to review the safety code <http://www.modelaircraft.org/files/105.pdf>.

There are some new items that have made their way into the code and I expect new rulings from the FAA will influence a few more. What's notable, "Don't fly over or within 25 feet of people", "Keep below 400 feet within 3 miles of an airport", "Yield to full size aircraft", "Turbine powered aircraft require a Turbine waiver" and "You cannot drop or shoot anything from model aircraft".





Officers

President

John Eppling

president@charlesriverrc.org

Vice President

Bert Cohen

vicepresident@charlesriverrc.org

Treasurer

Dave Marshall

treasurer@charlesriverrc.org

Membership Secretary

Dave Spielman

membership@charlesriverrc.org

Recording Secretary

Dan Sullivan

secretary@charlesriverrc.org

Webmaster

Adam Smith

webmaster@charlesriverrc.org

Newsletter Editor

Robert Sisson

newsletter@charlesriverrc.org

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

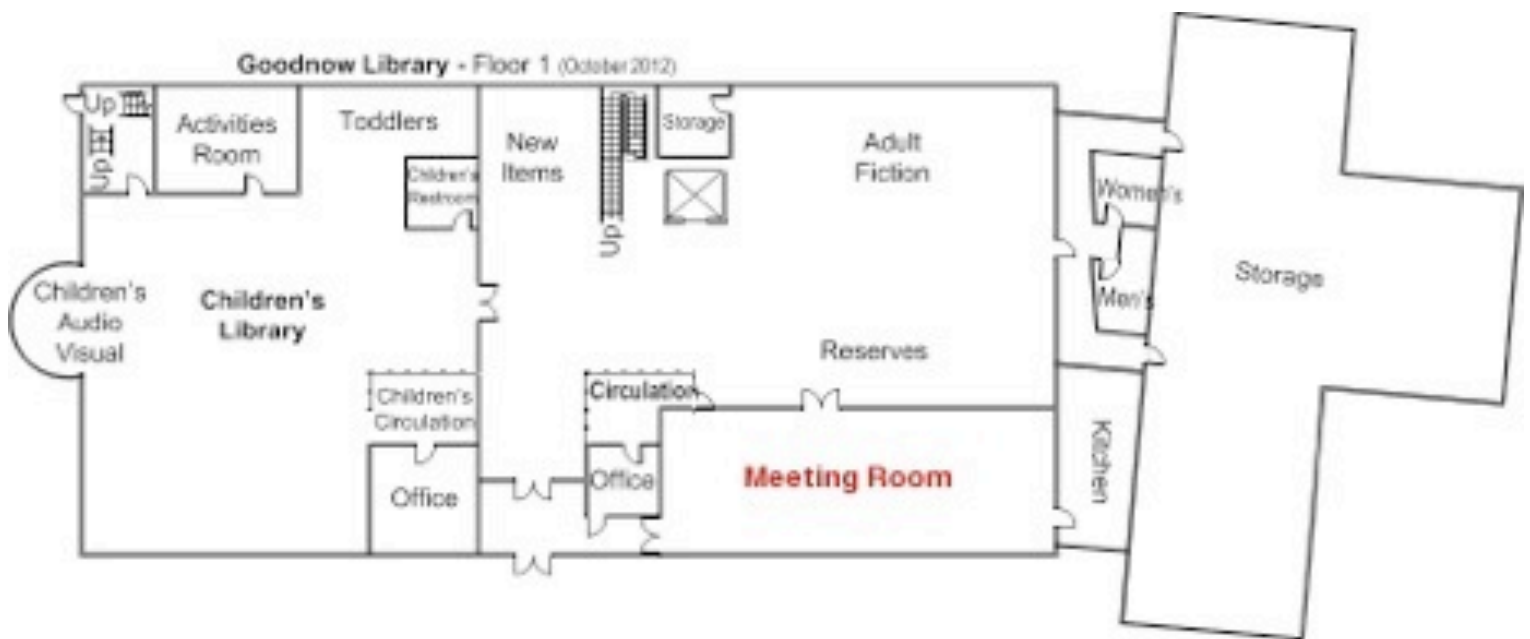
978-460-1000

Hartney Greymont (Medfield)

Sean Comer

781-444-1227

thescomer@gmail.com



December Club Meeting Guests are Welcome

Wednesday, December 16, 2015
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).

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, 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

Please chose from the options below:

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