



AMA CHARTER 339

MAY 2008

VOLUME 45 NUMBER 5

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GENERAL MEETING

Wednesday

May 21st

7:30 PM

The Club Meeting for this month will be held at the **Goodnow Library in Sudbury** (See back for directions). Bring a friend or just come alone.

Combat Flying

Want to know what Combat Flying is all about? Gary and Paul Guidi have been flying combat for many years. They will be sharing with us on Wednesday the ins and outs of this type of flying.

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RAFFLE

First Prize

MICRO-MARK
Miniature power
tools

The tool set was donated by the family of Gates Falabella. More information will be provided during the meeting.



Second Prize

Ken's surprise!

WON
a
COOL TOOL
for
Show-n-Tell

President's Letter



Sun-N-Fun was definitely fun and hot!

I attended EAA Sun-N-Fun in Lakeland, FL on Friday, April 11th. Richard Gammon told me at the last meeting that he was there all week. I didn't know he was there. We were delayed arriving due to an accident on the Route 4. We jumped off and took back roads to get there. The line was long for tickets.

The Air Force Thunderbirds had practice that day for the weekend performances which was a nice bonus. We only strolled around for an hour before the manufacturer flight demonstrations started leading right in to the air show just before noon. We got to see a spectacular air show. E-Team skydivers, Matt Chapman, Kyle Franklin, David Martin, Nikolai Timofeev, Patty Wagstaff, Matt Younkin, and Skip Stewart were some of the performers we saw.

All performances were very good. Several performances were memorable. Kyle Franklin did stunts in his Waco that you normally only see done in the high performance aerobatic competition aircraft. Multiple time aerobatic world champion Nikolai Timofeev has to be the most precise pilot I have ever seen. He did something like seventy some rolls during his performance. Matt Younkin did things that a Beech 18 was never meant to do. Skip Stewart is just insane.



I could see Rick Pendzick bringing this to the next meeting!



Skip Stewart



Air Force Thunderbirds



Quick Silver - I have never seen a plane this shiny without a finger print.

Collings Foundation Fun Fly June 14 – 15

The Collings Foundation Open House this year will again have PT-17 Stearman rides. The organizers told me that the shortest flights this year will be 30 minutes (\$200) instead of 15. This should make the radio control flying a little better since the 15 minute PT-17 flights did not allow enough time to do radio control flights with anything other than electric aircraft. An extra bonus this year will be that they will be offering one hour AT-6 flights also (\$450). The Stearman flights aren't cheap, but they are very popular.

School Projects

We have been invited to work with several schools on science projects this year. The Christa McAuliffe Regional Charter Public School and Westwood High School are the two that I know about. Check with Brian Rickman who has been coordinating these if you would like to participate. Requests for volunteers and notices have been sent out on the CRRC Yahoo group list.

Want to be a movie star?

Paramount has been shooting at the old Medfield State Hospital for the 2009 movie with Leonardo DiCaprio. They have been requesting that we not fly gas models when they are shooting. We will try to send out updates when they will be shooting. They allegedly are only shooting on overcast days.

Field Clean up April 19

The field clean up went quite well. There was more work than the typical clean up at Davis. CRRC had good participation. I think there were six or more of us. Millis Model Aircraft Club must have had almost 15 people there. Some sod was torn up due to grub problems. Soil was taken from the embankment next to the railroad. These spots were reseeded. The entire field was fertilized and treated with Grubex. Work started at 9 AM. I think we started flying at noon

“Let’s be careful out there.”

-Tony Davids

Treasurers Report

Report Date 05/13/08

Starting Balance 04/01/08

Checking	\$4,710.67
Savings	764.06
Cash Box	\$25.00
PayPal Acct	\$130.17
CD Accounts	\$6,505.72
Total Starting	\$12,135.62

Income

Interest - Savings	\$0.06
Interest - CDs	\$16.09
Transfer from PayPal Acct	\$130.17
Membership dues	\$815.00
Transfer from Savings Acct	\$764.12
Sale of RC products donated by Gates Falabella	\$158.00
Total Income	\$1,883.44

Expenses

Model Aviation Subscriptions, Check #1562	\$32.00
Davis field permit, sign laminating, Check #1563	\$784.18
Total Expenses	\$816.18

Ending Balances

Checking	\$5,761.78
Savings (Account closed due to high maintenance fee)	\$0.00
Cash Box	\$25.00
PayPal Acct	\$43.39
CD Accounts	\$6,521.81

Grand Total Ending 04/31/08	\$12,351.98
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-Istvan Sleder, Treasurer



APRIL GENERAL MEETING MINUTES



General Meeting Minutes for April 16, 2008.

Business Meeting

The meeting was called to order by President Tony Davids at 7:50 PM, at the Goodnow Library, Sudbury, MA.



The treasurer's report and secretary's meeting meetings were approved as written in the March newsletter.

Field Reports

Dick Williamson reports a successful Field Clean up at Davis Field on Sunday, April 13. A dozen CRRC members helped to collect trash from the field and parking lot. Following the clean up, a winch made its first appearance for the 2008 flying season. The field is in fine shape and lots of electrics and sailplanes were flying. Dick also

reports that the Sudbury Soccer League has started their spring season at Davis. Although the Soccer League has reserved the field for weekday evenings and Saturday afternoons, the league schedule lists Thursday and Friday evenings and Saturday afternoons on their website. Dick recommends checking the Sudbury Youth Soccer Association's website for specific practice and game dates and times. The Sudbury soccer season extends through June 14. www.sudburysoccer.org

No Medfield Field report.

Membership Report

96 members have signed up, according to membership chair Ray Harlan.

Board of Directors Volunteer

Rue Crummett and Tom Bauer volunteered to attend the Board of Directors meeting as members at large.

Old Business

Tom Stammberger reiterated his offer to order CRRC hats and shirts again this year. Approximate costs are \$15 for hats, and \$20 for shirts. Look for a follow-up email from Tom for final price information.

Tom Stammberger and Brian Rickman continue to work updating the CRRC website.

New Business

General Meeting Location for fall 2008. Dick Williamson says that Sudbury's Goodnow Library is booked for the 3rd Wednesday of the month, our regular meeting night, starting in September, and asked if the members would accept moving the meeting to another evening. A Wellesley location was suggested as a possible alternative, but a show of hands was 2 to 1 in favor of remaining in Sudbury. The Goodnow Library is available on the 2nd Wednesday of the month. Dick will book the 2nd Wednesday of the month for September 2008 through May 2009. There is

a \$40 per night user fee to book the library meeting room.

The Collins Foundation has invited CRRC to fly once again at their Open House on Father's Day weekend, June 14 & 15. Tony Davids volunteered to serve as contest director for the weekend.

David Spielman inquired about a Family Fun Day at Medfield, as it is not presently on the events calendar. Tony asked for volunteers to lead the event, but there were no takers.

Dick Williamson asked about our upcoming contest schedule. Dick has offered to register with AMA as contest director for our four upcoming contests. Mark Drela is listed on the ESL website as CD for two of the dates, and Dick will follow up with Mark before contacting the AMA. All contests are at Davis.

Contest dates are as follows:

Hand Launch Glider	July 12 & 13
RES	July 26
Easy Glider	July 27
ESL Soar-In	August 9 & 10

Richard Gamons asked if there was interest in adding an Electric Glider event to one of our already scheduled contest dates. The consensus was that each of the days was already full, and adding another event would not work out. Richard will send an email to see if there is interest in having an Electric Glider contest on another date.

Medfield Cleanup is planned for 9 AM, Saturday, April 19th.

Solos

Brian Rickman introduced Dick Roy as having earned his wings as CRRC's newest pilot. Dick flew many control line models as a kid, but has only recently renewed his interest in R/C. Dick is flying a Horizon Hobby SuperCub and an Easy Star. He reports that flight simulator practice was very helpful.

Guests

Our guests for the evening were guest speakers Adam Tashjian, Val Petrov and Istvan Hauer. Also present were Adam's dad and his uncle.

Raffle Winners

Rafflemeister Ken had three goodies up for grabs as tonight's raffle prizes.



First prizewinner Tom Stammberger took home a lithium battery charger.



Second prizewinner Brian Rickman had a choice between a brushless outrunner complete with

ESC, or a CRRC windbreaker and hat. Brian selected the windbreaker and hat.



The business meeting was closed at 8:24 PM.

Guest Speaker(s)

By day, Adam Tashjian is a dental student. By night he builds model helicopters. He must spend many long nights because his helicopters are works of art, meticulously detailed with beautiful colors, right down to the fully functional running lights.



Adam brought two helicopters to show this evening, an EC 135 AeroSpecial, and a Russian MIL Mi-2. Both models are Vario kits from Germany, marketed locally by East Coast Helicopters. An OS-70 heli engine powers the EC135. It's detail and color scheme is modeled after a Starflight EMS Rescue helicopter from Travis County Texas. Adam starts with a basic fuselage shell, and assembles the machine piece by piece, fabricating many of the detail parts in his own shop.



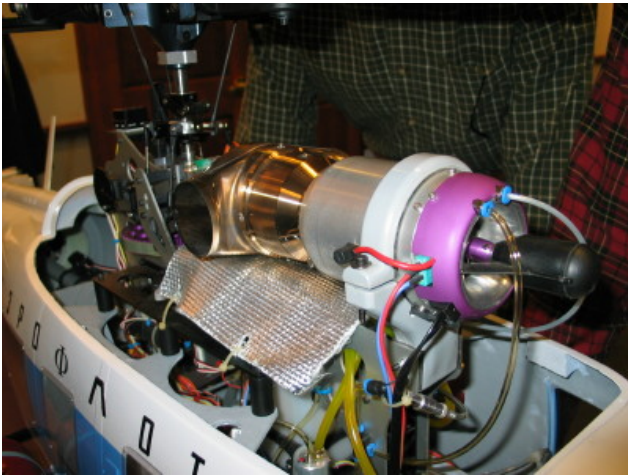
The EC135 weighs in at 28 pounds with a full load of fuel, is 1/6 scale, and carries a 4-blade rotor.



The Russian MIL Mi-2 is powered by a JetCat Turbine, turning 140K RPM at full throttle, puts out 7 1/2 HP, and drives the constant speed 3-blade rotors at 850 RPM.



After starting the turbine with propane, it burns either kerosene or JP-4 jet fuel, and has a 10 minute flight time.



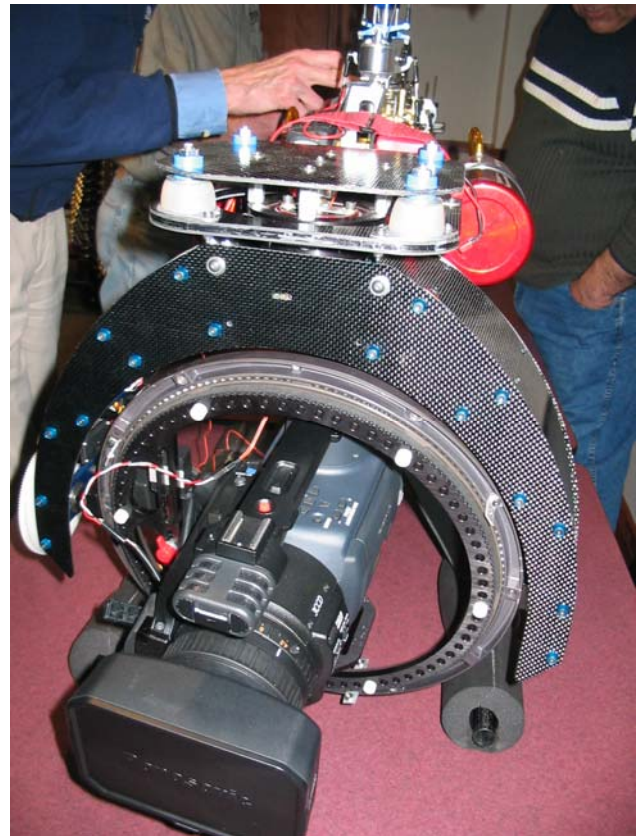
The Mi-2 weighs 50 pounds, but Adam says it can easily carry a 20-pound load.



Adam plans to fly at the Crowe Island Fun Fly on June 21 & 22, and invites all to come and see.



Also displaying a fine 60/90-size helicopter this evening were Val Petrov and Istvan Hauer. Val and Istvan received funding from their native Hungary to develop a flying camera platform and plan to market a video service to the film industry.

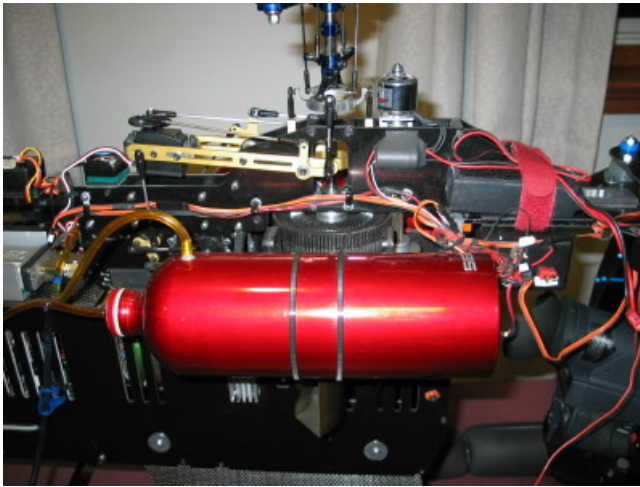


Their helicopter carries a gyro stabilized HD video camera, with an air-to-ground video link.



The helicopter is an electronics show piece, and includes bario-metric and GPS sensors, 2.4 Ghz down link, no fewer than 7 gyroscopes, and is

fully capable of maintaining a stable flight attitude in the event the ground-to-air radio link is interrupted.



The helicopter is powered by a kerosene-burning turbine, and carries 4 liters of fuel for 20 minutes of flight. The low definition air-to-ground video link is used to monitor video in real time while the HD video is stored onboard, for later retrieval. Val and Istvan still have more work before the helicopter will be considered finished. A fuselage is one item left on their agenda.

Show And Tell

Dick Williamson brought an Electra (Electrified Gentle Lady) to show and tell. Dick rebuilt this plane on behalf of youngster who appeared at the field. The plane was built by this fellow's grandfather many years ago. Dick added a Speed 500 motor with 6 nicads. The plane weighs 39 ounces, but Dick is concerned that the plane may be under-powered.



Tom Stammberger displayed his Synapse (# 2!). Tom maidenized this ducted fan foamie the Sunday before. The plane has a 1300 mah Lipo battery, has an all-up-weight of 14 ounces, and came as a \$69 kit from Great Planes and Tower Hobby. Tom reports the Synapse flies straight and true hands off, although it's a bit noisy, as can be attested by a number of his fellow flyers at the field that day.



Dave Rocheschi purchased his "Marlposa" hand launch glider at the CRRRC auction last fall. This HLG has a distinctive inverted V tail, and was formerly owned by Steve Young, and originally Pete Young.



Anker Berg-Sonne brought along his third-iteration bagged-wing from the Stealth Airplane Works. Anker plans to have his newest wing ready to fly for the coming weekend. Al Marshall has already had wing #2 in the air. Anker has been aggressively testing his construction techniques to assess how adding

weblets to the wing's structure affects its strength.



Anker fabricated two test beams (representing wing sections), one with weblets, and one without. Weblets are narrow carbon strips embedded length-wise in the wing structure that add strength much like the center section of a steel I-beam. Anker then weighted each test beam until it fractured. The test beam without weblets failed with a 68-pound load, and the weblet-reinforced test beam failed with a 98-pound load.



Weblets improved the wing's breaking strength by almost 50%. In stress skin construction, the top skin is under compression, the bottom skin is under tension, and the top skin is where the failure routinely occurs.

Anker has been documenting his progress on RCGroups, and his status reports have been generating a lively discussion. Anker is projecting a production rate of one wing per day.

Meeting Adjourned

The meeting was adjourned at 10 PM.

*- Larry Wetmore
Recording Secretary*



A strange flying device on display



Tom Stammberger was also the winner of a cool tool.

Davis Field and Bill Martin Field Cleanup

Tony Davids briefly mentioned the field cleanup at the Bill Martin Field. The cleanups on both Davis Field and the Bill Martin Field went very well.

Davis Field

Several members got to the field before 9:00 a.m. Dick Williamson had not arrived with the bags and Latex gloves, so it gave us time to enjoy our coffee and breakfast sandwiches. It also gave us time to strategize in order to clean the field as quickly as possible and get the planes in the air.

Once Dick arrived, shortly after 9:00 a.m., it was time to start the cleanup. While a few began to clean the surroundings of the parking lot, the rest created an offensive line to tackle the field.

It felt like a scene from the CSI TV show, when the task force was looking for evidence. In our case we did find broken propellers, pieces of balsa wood, and plenty dried dog pub. We all agree that the dog owners at Davis should do a better job cleaning after their pets. In the back of the field we found other evidence composed of cans, bottles and papers.

It didn't take long to comb the field, and get back to the parking area. As always, all the collected evidence ended up in the trash can.

In all, I believe it took less than an hour to clean Davis Field. My wife and a friend visiting from Switzerland pulled in the parking lot shortly after 10:00 a.m. and snapped the following pictures.

As you can see the winch was already setup, and several planes were in the air.

The clean up was a success!



Bill Martin Field

As opposed to Davis Field the week before, when I arrived at 9:00 a.m. at the Bill Martin field, the cleanup activities were very well on the way. In all there were between 15 and 20 people helping out. Several CRRC members were already in sweat; others arrived shortly after I did.

The main activities were removing the grub, filling the bare spots with soil from the embankment, reseeding and fertilizing the whole field.



From shoveling soil, and raking I had a blast pulling the roller with Tom Bauer. While some attended to the runway, others disassembled the pilot stations to mow the grass.

The group was very well equipped. From rakes and shovels, the ATV hauled the dead sod away and brought out the soil from the embankment.



As some senior members supervised the activities, others provided the entertainment.



Pilot stations were setup again.



The morning went on, and you could tell that people were getting exhausted as the morning temperatures rose.



It was around noon when the work was done and it was time to get the planes in the air and test out the runway.



Some were able to take off in no time



it took others a while to start their engines after the long winter down-time.



As with Davis Field, the cleanup of the Bill Martin field was also a success.



The Bill Martin Field cleanup crew

- **Thomas Stammberger**
Newsletter Editor

Hand-launching a 2 meter glider

A few weeks ago at Davis Field, Lincoln Ross demonstrated his hand-launching skills with a 2 meter glider.

The launch technique is similar to a Hammer Throw. That is, Lincoln attaches a rope on the tow-hook of the glider. He then tightens the rope with this hand on the wing tip.



Once the rope is tight, Lincoln spins around two to three times and releases the glider and the rope.



Once airborne, the rope will fall off the tow hook. The trick then is to find ground thermals to bring the glider to a higher altitude.



The key to avoid any damage to wing is the rope. All the tensile forces are in the rope during the spin and the throw. The wing tip in the hand is only to ensure the appropriate attitude of the glider during launch.

- ***Thomas Stammberger***
Newsletter Editor

VISIT TO TORREY PINES GLIDER PORT

During my recent visit to San Diego, CA I had the opportunity to visit the Torrey Pines Glider Port.



The port is one of the main flying locations for the Torrey Pines Gulls Club. The club has four different locations in southern California.

<http://www.torreypinesgulls.org/Maps.htm>

Since I had limited time I was not able to visit any of the other location except the glider port of the coast.

As you can see from the pictures, the port is mainly used by hang gliders.



In addition to the hang gliders there were about 5 different RC gliders soaring the slopes. RC pilots were sitting comfortably in their chairs and enjoyed flights of well over an hour.



Yes, that is a RC glider in the foreground and a Full Scale bi-plane in the background. I was impressed by the tandem glider. I was out of luck since they did not have a tandem glider big enough to carry me and the pilot. ☹



One thing that caught my attention was the constant whistling. It took me a while to figure it out. It is basically hang-glider pilot's landing signal. That is, a pilot blow their whistle to get the attention of the surrounding pilots, especially when coming in for a landing.



Aside from gliders, a flock of pelicans also took advantage of the good air on these slopes



I hope the next time I will have more time to visit some of the other flying fields. I was also told that the air races, which I missed by a few of weeks are a must see.

Thomas Stammberger
Newsletter Editor

UPCOMING EVENTS

May 27, 2008

CRRC Board Meeting

Date: May 27, 2008

Time: 7:30pm - 9:00pm

Location: Sudbury Library

June 1, 2008

SSRCC - INTER-CLUB FLY-IN

Date: June 1, 2008

Time: 9:00am - 3:00pm

Location: Bridgewater, MA

<http://www.ssrcc.org/location.php>

June 18, 2008

CRRC Club Meeting

Date: June 18, 2008

Time: 7:30pm - 9:30pm

Location: Bill Martin Field, Medfield

June 21 & 22, 2008

"Electric" Fun-Fly & Air Show

Date: June 21, 2008

Time: Untimed event

Location: Wintonbury Flying club

Bloomfield, CT (north of Hartford)

June 24, 2008

CRRC Board Meeting

Date: June 24, 2008

Time: 7:30pm - 9:00pm

Location: Sudbury Library

CRRC BUILDING AND FLIGHT INSTRUCTORS

To start your flight instruction; call Brian Rickman, the chief instructor and he will match you with one club instructors. Our instructors are qualified and willing AMA pilots and fellow club members.

See <http://www.charlesriverrc.org> for directions to the flying fields. If you have any questions about the construction of your airplane, or want to have an experienced pilot pre-flight check your airplane before heading to the flying field, then call Brian or any of the building instructors.

INSTRUCTOR CONTACTS

Chief Instructor:
Brian Rickman

[webmaster\(at\)charlesriverrc.org](mailto:webmaster(at)charlesriverrc.org)
774-249-2494

Power planes are flown only at the Bill Martin Flying Field in Medfield.

POWER:

Jeremy Harkin Waltham 781-894-6683
Jon Leehey Wayland 508 358 5721
Ruane Crummett Wayland 508-655-2234

ELECTRICS:

Bruce Schneider Hudson 978-562-9900
Fritz Bien Concord 978-369-1720
Lincoln Ross Waltham 781-891-0332
Dick Williamson Sudbury 978 443-8549
Tom Bauer Wellesley 781-235-7344

Sailplanes and Electrics can be flown at the Davis Farm Field on Rte. 117 in Sudbury.

SOARING:

Dick Williamson Sudbury 978 443-8549
Dave Walter Hudson 978-562-5400
Bruce Schneider Hudson 978-562-9900
Fritz Bien Concord 978-369-1720
John Nilsson Clinton 508-368-7136
Ken Antonellis Natick 508-653-8369
Tom Bauer Wellesley 781-235-7344

HELICOPTERS:

Tony Davids Stow 978-568-9598

BUILDING:

Fritz Bien Concord 978-369-1720
John Weigel Natick 508-653-3560
Derrick Veliz Acton 978-266-1739
Dick Williamson Sudbury 978-443-8549
Tom Bauer Wellesley 781-235-7344

TREE CLIMBERS, KEYS, MEMBERSHIP & BOARD MEETING

TREE CLIMBERS

Tony Morais

A1 Tree Services-Framingham, MA
508-626-0088 or 800-657-7788

Kenny Greeno

*Cell Phone: 617-201-5300
Office Phone: 617-661-8591

Paul Harrington

(508) 376-2573 [Medfield Area]

Scott

774-286-1190 [Marlborough]

Adam's Tree Service

617-592-5935

*Highly recommended

**Keys to the
Bill Martin Field**

To get a Key for Bill Martin Field in Medfield please email Ken Antonellis at [kxa\(at\)verizon.net](mailto:kxa(at)verizon.net). Ken is the key-master. He will send out

instructions as soon as he hears from you. A \$5 deposit is required the first time you receive a key.

Alex of Alex's RC in Belmont also has keys. Show him a club badge to get the key.

MEMBERSHIP

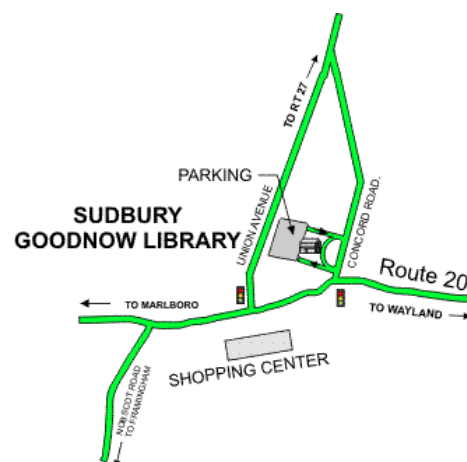
Here are the updated CRRC membership figures. The table summarizes the membership status from 1999 through current month, 2008.

Year	Renewals	New Members	Peak Totals
1999			135
2000	112	62	174
2001	124	50	174
2002	138	58	196
2003	156	40	196
2004	153	42	195
2005	144	20	164
2006	124	26	150
2007	132	32	164
2008			93

-Ray Harlan

MAY DIRECTORS MEETING

The next directors meeting will be, Tuesday, May 27st at 7:30 PM, at the Sudbury Goodnow Library. All club members are invited to attend. Please volunteer to attend at the next club meeting.





THE CHARLES RIVER RADIO CONTROLLERS, INC

2008 MEMBERSHIP APPLICATION

AMA Charter 339

Name _____ AMA No. _____

Street _____ Birth Date (AMA req'd) _____

Town _____ State _____ Zip _____ Tel. () _____ - _____

E-mail _____

To receive membership card and field pass, bring this application to a club meeting, or mail to the membership secretary (address below). You can pay by check or use PayPal. (PayPal to [membership\(at\)charlesriverrc.org](mailto:membership(at)charlesriverrc.org))

Make Checks Payable to:
Charles River RC

MEMBERSHIP CATAGORY	Rates until March 1, 2008	Rates After March 1, 2008
<input type="checkbox"/> OPEN Member	\$40.00	\$45.00
<input type="checkbox"/> JUNIOR member, (under 19 before 7-1)	\$1.00	\$1.00
<input type="checkbox"/> SENIOR member, (if age 60 before 7-1)	\$30.00	\$35.00
<input type="checkbox"/> SENIOR member, (if age 75 before 7-1)	Free if AMA member	Free if AMA member
<input type="checkbox"/> Full time STUDENT	\$20.00	\$25.00
<input type="checkbox"/> Family member additional to OPEN membership	\$20.00	\$25.00

SAVE \$5 - EARLY BIRD DUES RATES ARE LISTED

Ray Harlan
Membership Secretary CRRC
15 Happy Hollow Road
Wayland, MA 01778
508-358-4013
E-mail: [membership\(at\)charlesriverrc.org](mailto:membership(at)charlesriverrc.org)

- ☐ I DO NOT want my address to appear
in the club phone book

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

To receive your newsletter by US mail, please contact Ray Harlan, Membership Secretary at the next meeting. See the newsletter cover sheet for additional contact information.

Help reduce operating costs by receiving your newsletter on line. CRRC pays roughly \$10 per year for each mailed newsletter subscription

CRRC MONTHLY CLUB MEETING – MAY 21, 2008

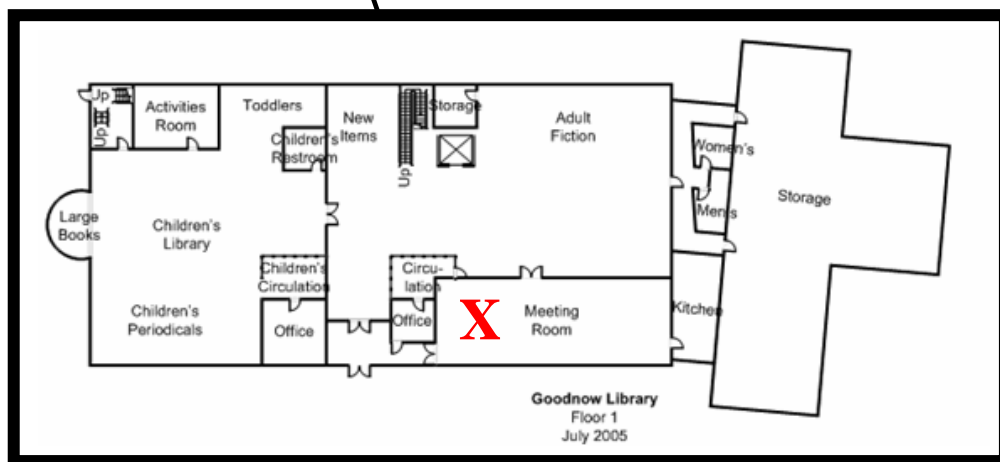
Guests are welcome!

When: Every 3rd Wednesday of the month
Note: Check for the meeting announcement in our monthly Newsletter.

Time: 7:30 p.m.

Where: Goodnow Library in Sudbury, MA
21 Concord Road
Sudbury, MA 01776

Directions: 0.1 miles on Concord Rd off RT 20 in Sudbury.



Thomas Stammberger
Newsletter Editor
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