

NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRRC FLIGHT-LOG

<http://www.charlesriverrrc.org/>

AMA CHARTER 339

June 2005

VOLUME 42 NUMBER 6

2005 CRRRC OFFICERS

PRESIDENT
Andrew Johnsen
978-369-0377

president@charlesriverrrc.org

VICE -PRESIDENT
Jean-Pierre Riu
508-668-2434

vicepresident@charlesriverrrc.org

MEMBERSHIP SECRETARY
John Nilsson
978-368-7136

membership@charlesriverrrc.org

RECORDING SECRETARY
Jim Otis
603-471-0270

juno57@comcast.net

TREASURER
Scott Anderson
508-839-7758

treasurer@charlesriverrrc.org

NEWSLETTER EDITOR
David Spielman
978-440-9308

newsletter@charlesriverrrc.org

NEWSLETTER CIRCULATION
Tracy Clark
781-275-6630

circulation@charlesriverrrc.org

Ex-Officio and RAFFLE CHAIRMAN
Ken Antonellis
508-653-8369

ex.officio@charlesriverrrc.org

WEBMASTER
Joel Foner
508 653-3560

webmaster@charlesriverrrc.org

GENERAL MEETING

Wednesday June
15th
7: 30 PM

JUNES FEATURE TOPIC

This month we will show a video of the history of CRRRC including shots from Callahan State Park and the Drop Zone. This film goes back about 20 years.

*WIN A COOL TOOL
FOR SHOW AND TELL.*

Table of Contents

Raffle Prizes	1
Presidents letter	2
Treasurers report	2
May General Meeting Notes.....	3
Member Projects	4
Sun Over Sudbury	5
Articles	6
Family Fun Fly Flyer.....	7
Beginner Airplanes.....	10-11
First Flight of Majestic.....	12
CRRRC Building & Flight Instructors.....	13
Membership Statistics John Nilsson.....	13
2005 CRRRC Membership Application.....	14
Map & Directions!	15
Super Flying King photo	15

JUNE RAFFLE

1st Prize Your Choice



Blitz Foamy Biplane or



Super Tiger 45 with Muffler

Second prize

DigiAlarm Lost Model
Alarm a \$19.99 value!



www.californiasailplanes.com

Donated by



President's Letter



Andrew Argenio and Andrew Johnsen meet during last months general meeting.

Well it is Sunday night. The flyers are now home... What a weekend! From rain and #!*&@\$ to WOW. OK so I spent this weekend raising money for the PTG, but it was still great.

Last month I showed you Jake with a fish (that was a sheep's head if you don't know). This month I get to tell you that Jake was soaring with the buddy box (pictures to come)! Any of you Dad's out there can agree that it is a great thing when their guy takes a hold of the sticks and has some fun!

What a change from rain to heat! – I'm sure the lift was great! What do you guys down in Med-(ford) (fud) (field) do??? What do the glow guys do with lift??? Is this good for you too???

I too have been enjoying the season, some great Wednesday flying with the Pretty and the Terry (it is now brushless and LiPo) slow and gentle.

I think we have some progress with our UAV's -- they have a place to fly and some sponsorship. It is good to move forward... Just remember the rule – take-off's are optional... landing is mandatory!!!

Welcome to flying season this is a great time in the great white north...

*Fly safe and many happy landings,
Andrew*

Treasurer's Report

TREASURER'S REPORT

Report Date 5/31/2005

Starting Balance 04/29/05	
Checking	\$5,724.21
Savings	\$943.83
Cash Box	\$25.00
PayPal Acct	\$226.38
CD Accounts	\$4,500.00
Total Starting	\$11,419.42
Income	
Dues, May	\$430.00
Interest: Savings	\$0.50
Total Income	\$430.50
Expenses	
Account Activity Fees, checking	\$11.00
Account Activity Fees, savings	\$5.00
Total Expenses	\$16.00
Ending Balances	
Checking	\$6,143.21
Savings	\$948.83
Cash Box	\$25.00
PayPal Acct	\$293.75
CD Accounts	\$4,500.00
Grand Total Ending 05/31/05	\$11,910.79

-Scott Anderson



MAY GENERAL MEETING NOTES

Secretary's Report:

May 2005 General Meeting

Andrew Johnsen, opened the meeting at 7:35 p.m.

The Secretary's Report and the Treasurer's Report were both approved as written in the May 2005 newsletter.

Field Reports

Davis Field – Saturday and Sunday was great conditions. Lacrosse goals are on the field.

Millis Field – Millis club seeded and applied Grub-X. May 22nd will have a delivery of two truckloads of tailings to be spread on the drive and birm.

Old Business

Membership:

John Nilsson Reports:

- We have 137 renew members
- 10 New members
- Total 147 members

Tomer Jackman volunteered to attend the next BOD meeting

MR. Porta-Potty, Dick Williamson reported that the Sudbury Park and Recreation Department no longer has money to cover the Porta-Potty. It looks like we may be in the toilet business again.

New Business

- Family Day is June 11th Saturday 10:00 to 2:00. Grass is mowed and there is room for 20 to 30 cars.
- Stakes will be placed to mark the parking for the event.

- \$600 will be fronted for the Scale Masters event June 25th and 26th.
- Medfield is very neat due to Nick's weed whacking. Thank you Nick!
- Thanks to Jesse Heftner for use of Verizon. Please remember to keep things in place and avoid officers parking out front.

Raffle

- First prize Defiant foamy glider went to David Spielman.



- Second prize cordless soldering iron went to Jim Otis.

New Pilots

No new pilots this month.

Guests

- Several of our neighbors from the Medfield club attended.

Show and Tell

- Dick Williamson- Majestic 55 to 65 oz sailplane is finished thanks to rainy weather.
- Howard Hager- Auto Gyro is ready for the first flight. Likes windy days.
- Tony Davids- herbo Lama Silver helicopter is great indoor flier. Foam blades don't damage the furniture.
- Lee Arnold- Graupner Stinson Reliant all foam x-mass peasant from Hobby Lobby.
- Warren Chaffe- May Flying Models featured design foamy

made of Dow Blue core Foam. Uses Outrunner Park 370 and APC 10 X 4.7

- Lou Plavidal- 1956 Witch Dr. X free flight recently built with timer.
- Tomer Jackman- 3rd reincarnation of foam low wing aerobatic model.
- John Cartaser- Super Flying King runs 25 to 30 min per tank, can drop 10# packages.
- Ruane Crummett- PVC pipe airplane stand can be built in an hour for \$17.22

Tomer Jackman Wins the Cool tool.

Meeting closed at 8:25 p.m.

Guest Speaker

Andy Argenio, AMA area VP gave an animated discussion of the upcoming year in district 1. Andy answered questions and filled us in on what's happening in AMA headquarters.

The AMA is planning many changes this year to help support and enrich the membership.

District 1 will have at least one event for members and one district meeting. The district event will likely take place at the Gardner airport over 3 days.



This year's budget of the district is \$14,400 thanks to Andy's research and persistence.

-David Spielman

MEMBERS PROJECTS

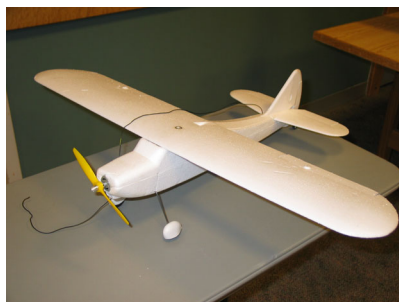
Show and tell isn't just for kids anymore. We had some great fun showing off our treasures, projects and skills. Bring in your projects at the next meeting and share the fun.



Rouane Crummett will build you a custom made stand. Material cost is \$17.22 from Home Depot.



Howard Hager has a very unique autogyro. This model needs plenty of wind to get off the ground.



Lee Arnold brought in this Stinson Reliant foamy ready for painting.



Tony Davids demonstrates indoor flying with a Herobo Lama Silver.



Lou Plavidal shows his building skills on a 1956 Witch Dr X.



It took about a week for Warren Chaffe to put together this great electric with Blue core foam from Home Depot.



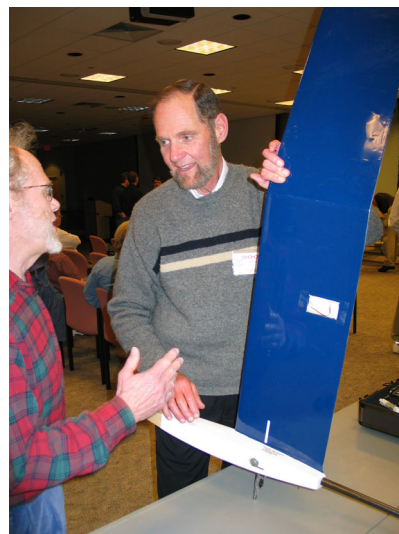
Warren's Skyrocket is a May 2005 Flying Models plan



Tomer Jackman points out the mods that make this foamy perform better.



John Cartisser's Giant scale Super Flying King was purchased off RC Universe in Florida.



Dick Williamson shows Mark Bridger some of the modifications to his Majestic.

Come to the next meeting and see what projects are in the hanger for summer flying.

-David Spielman



SUN OVER SUDBURY



Six weeks of rain has finally broken! This weekend was fabulous. Light winds and rising moisture from the fields made for some great lift. It was perfect weather for the Dynafight bird of time, Majestic and Mantis.

30-minute flights were typical of the light wing loaded sailplanes. Unfortunately, the light duty spar in the Bird Of Time was unforgiving. Ken lost his on a launch and a new member Mark, lost his after an aggressive dive tore off a wing tip.

The initial launch had an assist by Tracy Clark.



Pete's pusher jet looks sharp!



Bruce stands with his Mantis following an enjoyable flight.

Dave Walter prefers the molded wing in his Esprit to the Mantis carbon and Kevlar over foam construction. The molded wing exhibits higher strength.



Ken right before launch

Dick Williamson completed his Majestic with extensive modifications. His first flight had a 40-minute duration before trimming. Look for Dick's modifications on the CRRC web page.



Rear view shows the geared drive.

John Nilsson showed off his paint job on his latest Mantis. His effort paid off nicely.



Dave's protects his model with a simple PVC stand.

Ken Antonellis shows his launching technique with his Jester. This model is popular among some of the RES circuit members.



Dick winch launches the Majestic.

CRRC isn't just for gliders. Pete Young shows off his new jet.



John's Mantis is ready for launch.

Bruce Schneider finished his cross tail mantis just a few weeks ago. With the Aega airfoil, this is one of Bruce's favorite planes.



Jester takes off, with Ken at the sticks.

-David Spielman

MEDFIELD

Here is Bob Scott on his Bob Cat working on the road. We need to thank Bob for spending most of the day leveling the road, Ken Antonellis's wife for going to the field on Friday to take delivery of the tailings from Sam White, Ken for putting a fresh coat of paint on the picnic table and Jon Leheey for helping with the roadwork.



-Jean-Pierre Riu

SPORTS SCHEDULES

T-Ball meets at Davis Field every Saturday morning until June 18th. Soccer teams follow from noon to 5:00 until June 11th. The field is open from Sunday, 6/19 until mid August, all day except for a 5-weekday lacrosse camp in July.

-Dick Williamson

EVENTS SCHEDULE

June 11 CRRC Family Fun Day at Medfield CD: Tomer Jackman

June 25th and 26th, New England Scale Championships, Gardner Airport, Gardner MA

Saturday and Sunday, July 16, 17, ESL HLG contest, Davis Field

Saturday, July 30, RES contest, Davis Field

Saturday and Sunday, August 13, 14 ESL Soar-In, Davis Field

SMALL SIZE BATTERIES

Where I can get some "reliable" 1/3 AAA 120mAh NiMH batteries?

First of all, avoid the small AP brand NiMHs. These seem to have been terribly inconsistent the last two years. Phil Barnes has experienced the same thing with their small NiMH packs.

I recently purchased KAN brand cells from www.balsapr.com. These tested very well, and are also very cheap at roughly \$1/cell. They have a 3-cell 1/3AAA pack, which should work OK as an RX pack for a small glider. And it's only \$3.46. Other sizes include 5-8 cell power packs with the cells CA'd together. These are easy to take apart if you want to reconfigure them. Apply CA debonder to each cell-to-cell bond, and place the battery in a small baggie to prevent evaporation. After a while the cells easily come apart.

-Mark Drela

PHOTO CREDITS

Last month I included several beautiful photos taken by Jeff Newcum, our 2004-newsletter editor. I'd like to thank Jeff for his generous contribution to the CRRC newsletter. Look for more of Jeff's work on the mailing page and future newsletters.

Jeff's field photos can be found at the CRRC web page photo links.

-David Spielman

The Collings Foundation Open House "Wheels & Wings; Great and Small" 2005

June 18th and 19th - Fathers
Day Weekend
Open Daily: 8:30 AM to 4:30
PM

Donation Requested: \$8
Adults / \$5 Children



Display will include:

- **Aircraft:** [TBM Avenger](#), [Wright "Vin Fiz" replica](#), [1909 Blériot](#), [Fokker DR-I replica](#), [PT-17 Stearman](#), [AT-6 Texan](#), and others.
- **Automobiles:** Entire Collings Foundation collection.
- **Radio Control Aircraft:** Flying and static display from assembled flyers of Charles River Radio Controllers and other local groups.
- **Minicar Display** courtesy of the Gould Foundation Collection of Hudson, MA
- **Collings Foundation Gift Shop**
- **PT-17 Stearman Rides - Limited Availability - Call for reservations.**



Charles River Radio Controllers 2005

FAMILY FUN FLY

*Join us! On June 11th, 2005, 10:00AM to 2:00 PM
At the Bill Martin RC flying field, Medfield, MA*

Bring your kids, friends and planes too!

Trainer airplanes will be available for newcomers to try!

Fly your gliders, aerobatic airplanes and helicopters!

*RC ground fun will include RC trucks and cars!
Food and refreshments will be available. Don't forget your hat!*



*If you want to add some hiking – biking – canoeing, here is some more info:
http://www.thetrustees.org/pages/360_rocky_narrows.cfm*

*Tomer Jackman CD
Jackman_tomer (@) EMC.COM*

Charles River Radio Controllers Hand Launch Classic

July 16 – 17 , 2005

Sportsman, Expert flier categories

Awards: * Trophies 1st–3rd place each day
* Weekend champion

**Davis Field, Rte. 117
Sudbury, MA**

Entry fee: \$15 one day, \$27 both days.
Lunch provided on field.

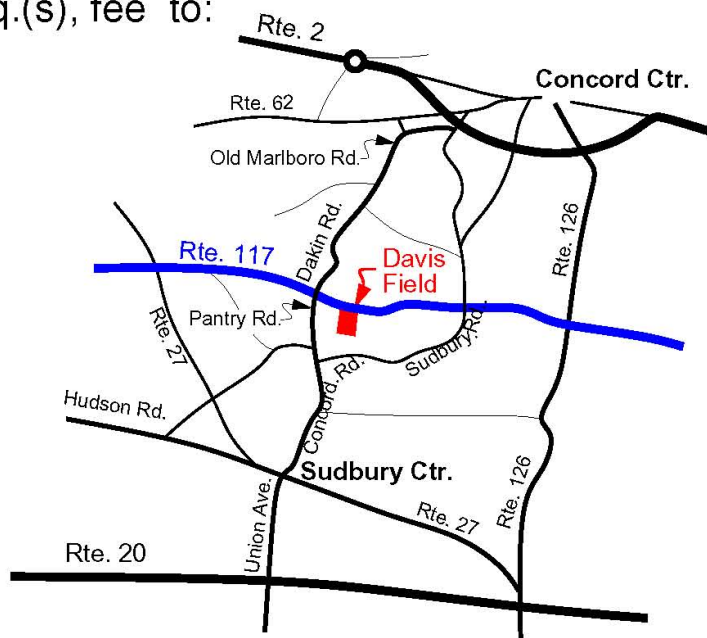
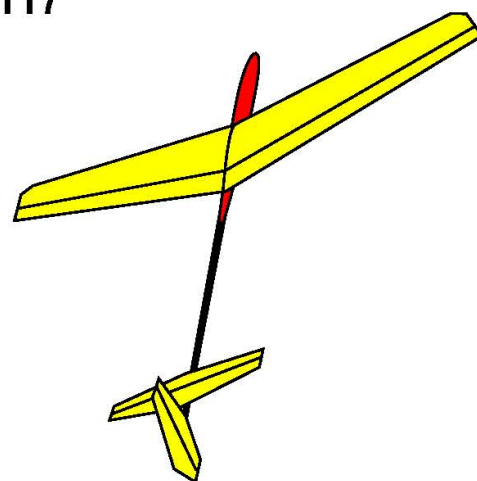
NO registration at the field.
Check-In: 8:00–8:45 AM
Pilot's meeting: 9:00 AM
First round start: 9:15 AM

No more than 2 fliers per frequency.
Register at www.flyesl.com , or by mail...

Send name, AMA#, date(s), freq.(s), fee to:

Mark Drela
218 Thorndike St. #205
Cambridge, MA 02141
drela@mit.edu
617 253 0067

Visit www.charlesriverrc.org
for info on local lodging.





NEW ENGLAND SCALE CHAMPIONSHIPS

And

U.S. SCALE MASTERS QUALIFIER

JUNE 25, 26 2005

SITE: GARDNER AIRPORT – GARDNER, MA

EVENTS: EXPERT, SPORTSMAN, JR., TEAM SCALE & AMA
FUN SCALE

Noon Time Flying Demo's Both Days

Trophies and Prizes to be Awarded

AMA SANCTION # Pending

Registration begins at 7:30 A.M. Saturday Only!

No Sunday Registration!!!

Fun Scale Flying Starts at 8:30 A.M. Both Days

NOTE! THERE ARE NO RESTRICTIONS ON FLYING.

JETS ARE WELCOME!

Paved and Grass Runways!

CAMPING ON SITE: NO HOOK-UPS -- \$ 5.00 donation accepted at Food tent!

Hotel Info. Call Jim or Jack

THERE WILL BE FOOD ON SITE: SAT. AND SUN.

FOR MORE INFO. CONTACT:

JACK BUCKLEY
65 DEVENS ST.
MARLBORO, MA. 01752

(508)-481-0955

JIM SBROGNA
11 BENEDICT ROAD
WORCESTER, MA. 01604

(508) 328-5973

E-MAIL: newenglandscale@yahoo.com

DON WEAVER
6 DEWEY ST.
MAYNARD, MA 01754

(978)-897-9591

Directions:

**From the West and South: I-95 to I-91 North to Rte. 2 East to Exit 22
South Follow R/C Signs to Airport.**

**From the North: I-95 South to Rte. 2 West to Exit 22 South to the
Airport Follow R/C signs.**

**From the East: I-395 to I-290 to I-190 to Rte. 2 West to Exit 22 South
Follow R/C Signs to the Airport**

LOOK FOR R/C SIGNS FROM RTE. 2 TO THE AIRPORT!!

WHAT BEGINNER AIRPLANE SHOULD I CHOOSE?

Whether you are just starting out or looking for a first model to recommend to a friend, this summary could help. The pilots of the CRRC Yahoo group discussed this topic and came up with some great recommendations. The most popular first choice model was the “Multiplex Easy Star”.



Multiplex - Easy Star

Tony Davids' referred to Sport Aviator online magazine for new model pilots. They recommend these three steps:

Step 1. Start with the Multiplex Easy Star - 3 channel ARTF model. It's a slow stable and inexpensive aircraft at \$159, and includes everything; plane, electronics, battery, charger. Elapor foam allows you to use CA to repair it.

<http://multiplexusa.com/models/ParkFlyers/EasyStar.htm>

Step 2. The next level of difficulty is the Lipol-One from Hobby Lobby.

<http://www.masportaviator.com/ah.asp?ID=59&Index=0>



Hobby Lobby – Lipol-One

Step 3. The third level is the Hobby Lobby Bonnie 20, featured in Sport Aviator.

<http://www.masportaviator.com/va.asp?ArticleName=Bonnie%2020%20ARF%20Electric%20Trainer>



Hobby Lobby - Bonnie 20

Brian Rickman's speaks from personal experience.

Beginner planes that I've had good luck with include: The GWS Beaver is small, light, slow and inexpensive. I taught two friends how to fly with this one last summer.

<http://www.gws.com.tw/english/product/airfly/dhc2.htm>



GWS - Beaver

JK Aerotech T-52 is a medium size, stable and durable aircraft.

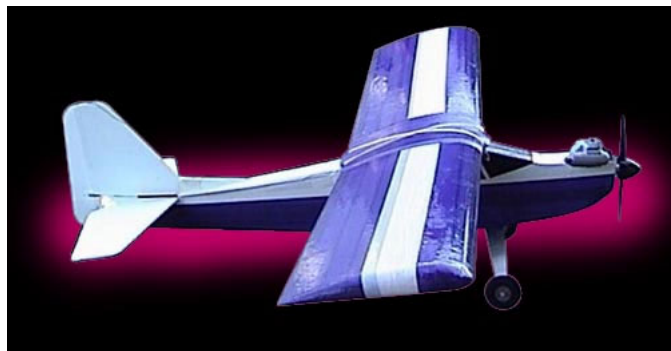
<http://jkaerotech.com/T52.htm>



JK Aerotech - T-52

JK Aerotech Big-T is large, stable, durable, handles more wind than the T52, but is more expensive.

<http://jkaerotech.com/BigT.htm>



JK Aerotech – Big-T

Mountain Models Dusk Stick is a medium size, very slow, very stable craft. This one is outfitted with skis for snow launches.

<http://mountainmodels.com/duskstik.php>



Mountain Models – Dusk Stick

Editor's favorite:

I built and flew the Northeast Sailplanes Defiant. It's a 2-meter glider with good handling. EPP foam

construction and some modifications to beef up the wing spars and tail made this plane winch safe.

<http://www.nesail.com/detail.php?productID=1445>



NSP – Defiant with modifications

Whichever plane you select, make sure to have it checked out by one of the club building instructors before you go to the field. A few minutes of trimming and adjustment at the shop can make the day much more pleasant.

-David Spielman

PLANE FINDER

At last month's CRRC meeting, I showed the plane finder and battery monitor in my Majestic. The unit comes as a kit from Hansen Hobbies called the V Sentry Flight Monitor kit:

<http://hansenhobbies.com/products.html>

Two sizes of buzzer are sold separately. The wired buzzer is the bigger and louder of the two. All you have to do is solder things together according to some clear instructions.



The unit plugs into a spare receiver channel and it looks for incoming signals on that channel. When it sees none, the buzzer starts beeping. In effect, the buzzer can be turned on and off by turning your transmitter on and off. As a channel checker, turn the receiver on before turning on the transmitter. The unit should beep. If it does not, someone is already transmitting on your channel. The unit also checks battery voltage and when it drops below some set value (settable for four or 5-cell battery packs), the beeper goes off.

-Dick Williamson

FIRST FLIGHT OF THE MAJESTIC THERMAL DURATION GLIDER

After seemingly endless weekends of rain and a forecast for another weekend of the same, I got up Saturday morning resigned to another weekend of catching up with chores around the house. Much to my amazement, the day just kept looking better and better. So I charged my batteries, loaded my Majestic and high start into my car and waited for 5:00 pm when the soccer kids would be finishing at Davis Field.

As I was laying out the high start, I was energized because of the gorgeous conditions. I pulled back the high start and stood there straining against it while I nervously contemplated whether I wanted to gamble with trusting my brand new creation to the energy stored in the surgical tubing. At least with a winch, you can back off if things go haywire. The launch was on rails. The trims that I set up on the bench seemed to work fine. The Majestic went up in a straight line and at a steep angle without any inputs from me. The air seemed buoyant and before long, I was clearly above launch height.

After about twenty minutes, the Majestic was specked out and I put the plane in a steep descent to bring it closer. With buoyant air, the plane just wasn't coming down. After about 45 minutes, I ran out of lift and landed. My thought was to quit right there so I could say that the average flight with my Majestic is 45 minutes. Several more launches resulted in flights of 10 to 20 minutes. As darkness approached, the field was gorgeous in its spring green and the filtered light of sunset. The air became very still indicating the end of thermal activity. I packed up and went home very satisfied.

Rain was predicted for Sunday, but the day dawned with some promise. I headed to Davis Field expecting a large crowd of rain-frustrated CRRicers. Only eleven flyers showed up. Despite the leaden skies, there was lots of lift. My Majestic's average flight time is still amazingly high. Only only a brief shower interrupted flying.

All in all, it was a great weekend for flying, especially after watching the rain come down for almost a month.

-Dick Williamson



CRRC BUILDING AND FLIGHT INSTRUCTORS

This is our list of qualified and willing instructors. Power planes are flown only at the Bill Martin Flying Field in Medfield. Sailplanes and Electrics can be flown at the Davis Farm Field on Rte. 117 in Sudbury. 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 any of the building instructors.

INSTRUCTOR TOWN TELEPHONE

POWER:

Chief Instructor:

Ruane Crummett

(Wayland 508-655-2234)

Bob Scott	Norwell	781-982-0268
Pete Young	Watertown	617 923-4184
Ken Antonellis	Natick	508-653-4513
Jon Leehey	Wayland	508 358 5721
Dave Walter	Hudson	508-562-5400
Fritz Bien	Concord	978-369-1720
Neil Kaufman	Sudbury	508-443-9647

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
Pete Young	Watertown	617 923-4184
Lincoln Ross	Waltham	781-891-0332

ELECTRICS:

Bruce Schneider	Hudson	978-562-9900
Fritz Bien	Concord	978-369-1720
Dave Walter	Hudson	978-562-5400
Derrick Veliz	Acton	978-266-1739
Pete Young	Watertown	617 923-4184
Lincoln Ross	Waltham	781-891-0332

HELICOPTERS:

– None Available at present–

BUILDING:

Ruane Crummett	Wayland	508-655-2234
Fritz Bien	Concord	978-369-1720
Joel Foner	Natick	508-653-3560
John Weigel	Natick	508-653-3560
Pete Young	Watertown	617 923-4184
Derrick Veliz	Acton	978-266-1739

TREE CLIMBERS & MEMBERSHIP STATISTICS

TREE CLIMBERS

Tony Morais

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

Kenny Greeno

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

Paul Harrington

(508) 376-2573 [Medfield Area]

KEY INSTRUCTIONS

The best way to get a Key to Bill Martin Field in Medfield is to email Jean-Pierre Riu or Ken Antonellis. They will send out instructions as soon as they hear from you. Ken Antonellis is the keymaster. Try kxa@verizon.net. Alex of Alex's RC

in Belmont also has keys (have to show him a club badge to get the key). If neither of these pan out then they should be available at the club meeting on May 18th (Ken is usually there with keys).

MEMBERSHIP

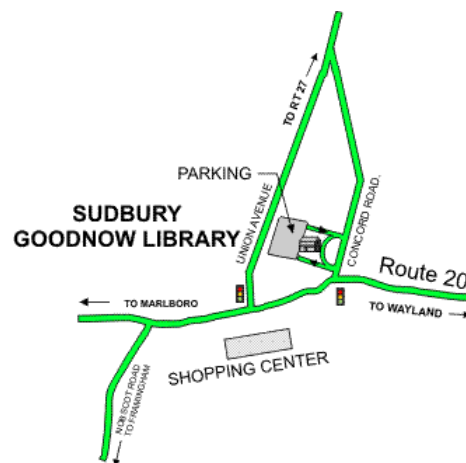
Here are the updated CRRC membership figures as of June 4th. The table summarizes the membership status, and compares recent years.

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	140	13	153

–John Nilsson

JUNE DIRECTORS MEETING

The next directors meeting will be, Tuesday, June 21st at 7:30 PM, at the Sudbury Goodnow Library. All club members are invited to attend.





THE CHARLES RIVER RADIO CONTROLLERS, INC

2005 MEMBERSHIP APPLICATION

AMA Charter 339

THIS FORM EXPIRES ON MARCH 1ST 2006!

Name _____ AMA No. _____

Street _____ Birth Date (AMA req'd) _____

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

E-mail _____

I PREFER TO RECEIVE MY NEWSLETTER

☐  **ELECTRONICALLY**

☐  **Via the US 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@charlesriverrc.org)

This completed form may be emailed to membership@charlesriverrc.org following your paypal payment.

John Nilsson /Secretary CRRC
511B Ridgefield Circle
Clinton, MA 01510
Telephone 978 368-7136
E-mail: photoguy205@comcast.net

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

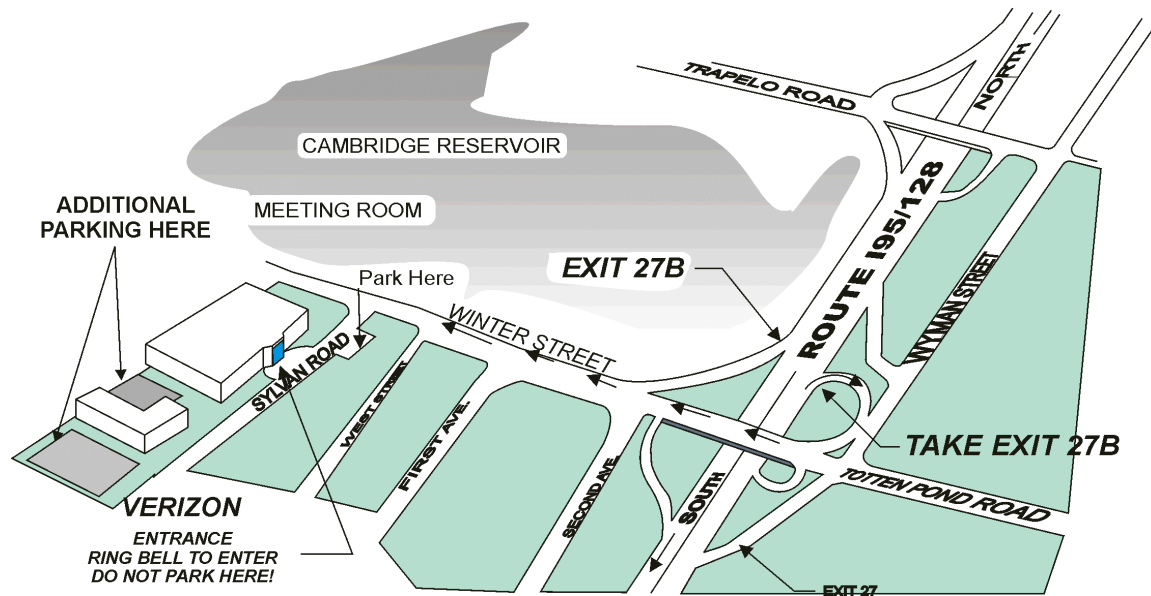
MEMBERSHIP CATAGORY	Rates starting March 1st
☐ OPEN Member	\$40.00
☐ JUNIOR member, (under 19 before 7-1)	\$25.00
☐ SENIOR member, (if age 60 before 7-1)	\$30.00
☐ SENIOR member, (if age 75 before 7-1)	Free if AMA member
☐ Full time STUDENT	\$25.00
☐ Family member additional to OPEN membership	\$25.00

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

This months Raffle is sponsored in part by California Sail Planes, distributors of the lost plane finder and several foam or carbon fiber slope soaring gliders.
www.californiasailplanes.com



LOCATION OF MONTHLY MEETING
FOR THE CHARLES RIVER RADIO CONTROLLERS
at VERIZON LABS



A Unique Aircraft



John Cartisser's Super Flying King can carry a 10 pound cargo and drop on target. Equipped with a 3W75 gas engine, this plane weighs 40 pounds, has a 140" span and is 90" long

