

# NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



## CRRRC FLIGHT-LOG

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

AMA CHARTER 339

FEBRUARY 2007

VOLUME 44 NUMBER 2

### 2007 CRRRC OFFICERS

PRESIDENT

**Tony Davids**

978-568-9598

[president@charlesriverrrc.org](mailto:president@charlesriverrrc.org)

VICE –PRESIDENT

**Stephen Young**

[vicepresident@charlesriverrrc.org](mailto:vicepresident@charlesriverrrc.org)

MEMBERSHIP SECRETARY

**John Nilsson**

978-368-7136

[membership@charlesriverrrc.org](mailto:membership@charlesriverrrc.org)

RECORDING SECRETARY

**Lee Arnold**

978-443-6149

[leearnold@verizon.net](mailto:leearnold@verizon.net)

TREASURER

**Jon Leehey**

508-358-5721

[treasurer@charlesriverrrc.org](mailto:treasurer@charlesriverrrc.org)

NEWSLETTER EDITOR

**David Spielman**

978-440-9308

[newsletter@charlesriverrrc.org](mailto:newsletter@charlesriverrrc.org)

Ex-Officio and RAFFLE

CHAIRMAN

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508-668-2434

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WEBMASTER

**Brian Rickman**

508-481-5597

[webmaster@charlesriverrrc.org](mailto:webmaster@charlesriverrrc.org)

### GENERAL MEETING

Wednesday  
February 21<sup>st</sup>  
7:30 PM

Club Meetings are at Verizon Labs in Waltham. Bring a show and tell, bring a friend or just come alone.

### GUEST SPEAKER

Jim McGrew, an MIT graduate student and ten-year Air Force veteran with six years flying the F-15C, will talk about his experiences flying the Predator UAV in overseas locations. In his talk, Jim will provide insight into the Predator UAV aircraft capabilities, flight operations, and real world mission execution.

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### RAFFLE

## First Prize

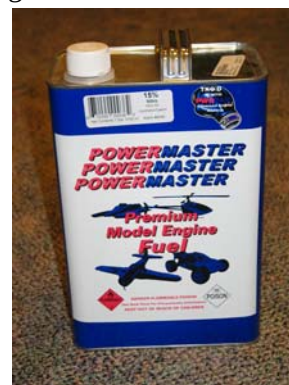
EASY GLIDER



Be ready for the One-Design Contest with this easy to build kit

## Second Prize

A gallon of fuel or cool tool.



AND

**WON**  
a  
**COOL TOOL**  
for  
**Show-n-Tell**

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## President's Letter

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The winter was going by quickly until the cold finally came. Quite a few of our members keep flying through the winter regardless of the weather. This year's relatively warm winter weather encouraged those diehards even more. Fritz, Bruce and the many of the Davis regulars have been getting out as much as the wind and weather allows. I heard from Ian who has his new glow helicopter together and has flown it already! As for me, however, I am waiting for signs of spring before I venture outside for some flying. Like many of you, I stick to simulator flying until things warm up a bit.

An event that signals the coming of spring is the 39<sup>th</sup> annual WRAM Show, [www.wram.org](http://www.wram.org), February 23 – 25. A lot of our members attend. Check out discussion of the event at our next meeting or the CRRC email group for people going and looking to carpool. I have attended a couple of times, but have missed it the past two years. It is the biggest RC show in the east. Seeing the latest in RC equipment in person is worth the trip. They usually have some great deals there also. I bought multiple items on each of my previous visits. One of those was a great deal on a transmitter, receiver and servo combo.

Two years later I haven't seen a deal as good as I got on that combo.

Speaking of transmitters, it would appear that the new JR Spectrum DX7 radio is catching on like wild fire. I know quite a few people who bought them. I have also heard from my brother that a lot of people in the Midwest are getting them too. These are people who already have very nice mid to high-end transmitters. I have been very tempted to get one myself. They are currently backordered on the Horizon Hobby site. No more channel conflict worries!

In the last month I tried to make some progress on my aircraft projects. Regrettably, I haven't much headway to report. I am in the midst of my 4<sup>th</sup> week in a row on the road for work. If you have managed to make some progress on your winter projects be sure to inspire the rest of us by participating in the Show and Tell section of this month's meeting. I look forward to hearing about your efforts!

The only "progress" I have made comes in the form of an online purchase: I ordered an E-flite Cap 232 BP ARF profile back in the fall to replace my Foamy Factory Yak 54. It finally came after the holidays. Some of you saw it at last month's meeting. The first one I received was damaged. It was a pretty painless experience with Horizon to get it replaced. I thought the plane would go together quickly, but the wing needed quite a bit of shimming to get a tight fit in the fuselage. I hoped to have it ready for this month's meeting, but I am not optimistic at this point.

I still have my part completed Great Planes Lancair on the bench, too. I made progress on in the fall, but nothing since then. Maybe next month. It could be finished in time for Medfield to flood again this year!

See you at the meeting!

*-Tony Davids*

## Treasurers Report

### TREASURER'S REPORT

Report Date 02/11/07

|                                           |                    |
|-------------------------------------------|--------------------|
| <b>Starting Balance 01/01/07</b>          |                    |
| Checking                                  | \$3,208.57         |
| Savings                                   | \$2,286.02         |
| Cash Box                                  | \$25.00            |
| PayPal Acct                               | \$0.00             |
| CD Accounts                               | \$4,744.54         |
| <b>Total Starting</b>                     | <b>\$10,264.13</b> |
| <b>Income</b>                             |                    |
| Auction entry fee and raffle tickets      | \$241.00           |
| Dues                                      | \$500.00           |
| November raffle income                    | \$81.00            |
| Transfer from PayPal account              | \$0.00             |
| January raffle income                     | \$103.00           |
| Interest - Savings                        | \$0.31             |
| Interest - CDs                            | \$13.56            |
| <b>Total Income</b>                       | <b>\$938.87</b>    |
| <b>Expenses</b>                           |                    |
| Annual report, check #1517                | \$15.00            |
| 2007 Auction room fee, check #1518        | \$150.00           |
| Soar-in sanction, check #1519             | \$40.00            |
| Model Aviation subscriptions, check #1520 | \$32.00            |
| <b>Total Expenses</b>                     | <b>\$237.00</b>    |
| <b>Transfer - Savings to new CD</b>       | <b>\$1,500.00</b>  |
| <b>Ending Balances</b>                    |                    |
| Checking                                  | \$3,896.57         |
| Savings                                   | \$786.33           |
| Cash Box                                  | \$25.00            |
| PayPal Acct                               | \$194.64           |
| CD Accounts                               | \$6,258.10         |
| <b>Grand Total Ending 01/31/07</b>        | <b>\$11,160.64</b> |

-Jon Leehey  
CRRC Treasurer

## UPCOMING EVENTS

### Wednesday January 21<sup>st</sup> – General Meeting

Join us for an exciting presentation by Jim McGrew. Hear first hand about the flying experiences with the Predator.



WEB Photos

For more information go to <http://www.defense-update.com/products/p/predator.htm>

### Saturday, February 17<sup>th</sup> and Saturday March 17<sup>th</sup> - Indoor Flying

We will be flying at the Attleborough YMCA. The facility is a double basketball court with high ceilings. The basketball hoops will be raised up while we are using the facility. This is a great place to fly Micro helicopters, Small 3D planes, and Slow Flyers.

We have the court reserved for the third Saturday of each month from November through April, from 7:30 AM to 10:30 AM. The cost will be \$10 per pilot, and we will be required to show our AMA cards at the door.

The address is: Attleborough YMCA  
63 N. Main St., Attleboro, MA

## ONE LAST AUCTION

**Auction - Feb 18, Cape Ann RC Club:** VFW Hall, Rowley, MA. Setup noon, auction starts at 1:00



## Secretary's Report: General Meeting January 17<sup>th</sup> 2007

The meeting was called to order at 7:40 pm by our new president, Tony Davids.

Pete Young introduced our guest speakers Carl Engel and Adam Woodworth. Together they presented their MIT Senior Design Project, a Solar Powered Aircraft. This was a great presentation with lots of good information, photographs and video. The official project name was: Low Cost Alternative Energy UAV.



The specifications were: a sub \$700 Photovoltaic array, no power buffer, 900 to 1Kg weight, .7 square meter wing area and 40% PV cell coverage.

The solar panels were selected on the basis of greatest watts/\$. The PV array selected was eighteen cells connected in series. The cost was \$500 plus \$200 for encapsulation. Maximum output is 12 volts at 6 amps. The motor produces 30 watts at a weight of 6 ounces. One of the last things ordered was the

propeller. The best commercially available was a 23x12 unit. It was subsequently modified to approximately 23x26.

Carl and Adam have about 350-400 hours in the plane with approximately half of that in the construction of the wing. One of the challenges of their project was the lack of a power buffer. What this means if the plane goes behind a cloud, power is lost.



As soon as the two have a little spare time, they will probably attempt the altitude and duration records for solar powered aircraft. After the video the meeting was adjourned and raffle tickets sold.

### Raffle Prizes

The prizes were a Mk 3 IFO kit and A Gallon of Fuel or cool tool. John Weigel and Len Woronoff were this months winners.



### **Field Reports**

The January 1, 2007 Frozen Finger Fun Fly at Bill Martin field in Medfield was cancelled due to rain. The field is drying out.

Davis field is in good shape. Soccer nets are down and we have been flying with winches.

### **Membership Report**

For the month there are three new members and fifty-three renewals.

### **Old Business**

Secretary's & Treasurer's Reports were approved as written in the newsletter.

### **New Business**

Keys to Medfield will be distributed in Feb. Ken Antonellis will be in charge. There will be a new lock in place. There is a one time \$5.00 key charge.

Dave Spielman reported on behalf of Dick Williamson who suggested a \$480 payment to the Town of Sudbury for the use of Davis Field. A unanimous vote approved the request.

### **New Pilots**

None

### **Meeting Guests**

Mel Swars got the RC bug back. Has a Shogun copter and is looking for assistance in learning to fly it.

The business meeting was closed

### **Show and Tell**



Pete Young showed 2 planes. The cockpit of his biplane was photo rendered and very realistic.



His second plane was an E-Flite Mini-Pulse XT. At approximately \$90 it is a very pleasant plane to fly.



Fritz Bien showed the proposed "one-design" contest plane. This is a Multiplex EasyGlider. It looks like a great idea. This is an easy to assemble, inexpensive and tough plane.



Len Woronoff brought in his Mini-IFO. This plane sports a brushless in-runner motor and several other mods. He will fly it at the next indoor session. Len also showed a "Dremel-like" tool that he purchased at Wal-Mart for \$6.00 including a case and many tools.



Al Koury showed his 4oz Lift Works Micro Wing. This flying wing features a removable tail and it folds in half. It took about 2 weeks to build.



Alan Marshall brought in an "Air Hogs" Storm. It was available at Target or Toys-R-Us for under \$20. It has approximately 16 oz of thrust and an 8 oz weight. It will hover.



Corey Hallock showed a Tokey .18 that he runs at 20,000 RPM in a ducted fan jet model. He has not flown the plane yet but hopes have it in the air in a couple of weeks.



Tony Davids showed two identical CAP 232 planes. The first was ordered from Horizon Hobby but arrived with a damaged wing. The second is the replacement. It is a 15 to 17 oz plane with a \$79.99 cost.

Len Woronoff won the cool tool for Show and Tell and chose the balsa stripper.

The meeting was adjourned.

*-Lee Arnold*

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## *DAVIS FIELD FEES*

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The club members voted to approve the motion for paying the Davis Field fees. For spring 2007, CRRC will take out a permit for April 15, 22 and 29 and May 6, 13, 20 and 27 and June 3 from 11 am to 1 pm. The total will be \$480 based on \$30 per hour.

**-Dick Williamson**

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## *INDOOR FLYING REPORT JANUARY 20<sup>TH</sup>*

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We had a great turnout this month, probably due to the cold and wind outside. There were 19 registered pilots and another 10 or so spectators. It was mostly helicopters being flown, but there were a few 3D foamies and other indoor planes as well.

We had one shoot down, which prompted a call for stronger frequency control in the future. Next month we will have a 72 Mhz transmitter impound.

Other than the one shoot down and one spectacular helicopter crash, things went smoothly and everybody had a good time.

It seems like very few of the CRRC members I saw flying planes at Teamworks last year are flying this year. If you are one of those who flew indoors last year but not this year, I would be interested in knowing what is keeping you away.

**-Brian Rickman**

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## *BYLAWS AMENDMENT PROPOSED*

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The BOD has recommended a change to the bylaws of the CRRC to increase the \$100 petty cash spending limit of the BOD to \$200. This proposal will be brought up at the February 21st general. A 2/3-majority vote is required to make the amendment. Please come and be heard.

### ARTICLE XII. EXPENDITURES

1. Petty cash expenditures up to \$200 per event may be authorized

by a majority vote of the Board of Directors.

2. Expenditures of Club funds in excess of \$200 per event shall require a majority vote of the members present at a scheduled meeting.

**-David Spielman**

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## *BOD MEETING MINUTES*

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2007 raffle plans are underway. The proposed date for the raffle is November 4<sup>th</sup>.

Jon Leehey explained our club savings. We have 4 CDs, each for \$1500 that are due quarterly on a rotating basis. This way we have emergency funding available on a regular basis. Jon was able to get the bank fees waved this year.

Brian Rickman will be posting the bylaws on our Web page for everyone's access.

Proposed meeting topics in the upcoming months include March winter projects meeting, April model jet presentation and a talk presented by Andy Argenio district VP and owner of Brands RC in Road Island.

The club will continue to donate a subscription of Model Aviation to the Sudbury and Natick libraries.

### Upcoming club events include:

Family day Sunday - 6/10 Ken Antonellis CD  
Collings Foundation, Fathers day Sunday - 6/17  
Jon Leehey is the contact. CD is needed.  
CRRC hand launch contest - 7/14 and 7/15  
RES single day contest - 7/29  
Nationals Soaring competition - 7/22 to 7/28  
The Soar-In - 8/11 and 8/12  
Electric Fun Fly Saturday - 9/29 Tom Bauer CD

New keys will be available by the next meeting. They will be changed the last Tuesday of February. We will be using a new lock #4. This ensures only club members have access to the field.

**-David Spielman**

The Lazy Loopers and CRRC present:



**Winter 2006 -  
2007  
Indoor Electric  
Fun Flys**



Attleboro YMCA  
63 N. Main St.  
Attleboro, MA

**7:30 AM - 10:30 AM  
On the 3rd Saturday of each month  
November - April  
2/17, 3/17 and 4/21**

\$10 registration fee for pilots  
AMA membership card required to fly

R/C electric planes & Helicopters welcome!

Make sure you show up on time as we only have the gym until 10:30!

Because it is a gym with wood floors a TRex or Shogun with WOOD blades are the largest helis that will be allowed to fly. Hornets, Blades, Microns, Maxir, Hummingbirds, Pics, etc welcome with or without wood blades as well. Any electric powered plane that can safely be flown in a double basketball court gym is also welcome.

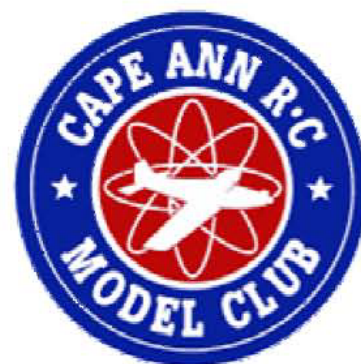
For more details:

Email: [shoo\\_shoo\\_mo@yahoo.com](mailto:shoo_shoo_mo@yahoo.com)

Call: 617-548-1364

Or visit our website at: [charlesriverrc.org/indoor/](http://charlesriverrc.org/indoor/)

FEBRUARY 18, 2007  
**Cape Ann RC Model Club**  
**Radio Control Auction 2007**



**DATE:** FEBRUARY 18, 2007  
**WHERE:** VFW HALL, ROWLEY MA  
**WHEN:** SETUP & PREVIEW NOON TO 1:00 PM  
AUCTION BEGINS AT 1:00 PM  
**TERMS:** 10% OF SELLING PRICE TO THE CLUB.  
NO EXTRA COST TO BUYER.

**NO CHARGE UNLESS ITEM IS SOLD!**

ANYTHING R/C WILL BE SOLD -  
AIRCRAFT OF ALL TYPES  
PREFERRED



**ADMISSION IS FREE**

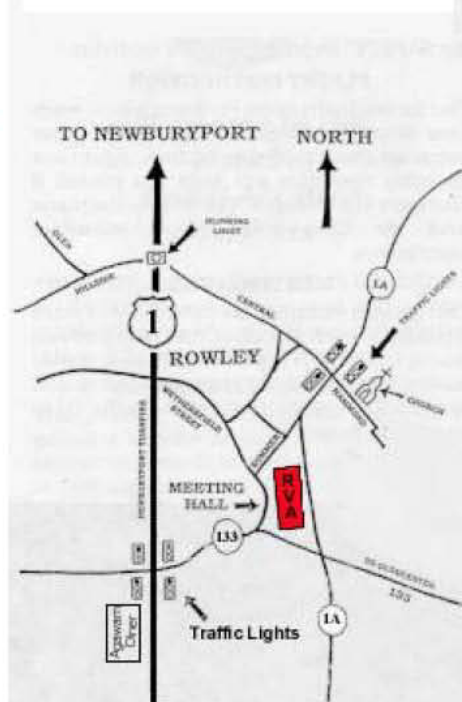
AIRPLANE RAFFLE - REFRESHMENTS -  
GOOD PARKING AND SEATING

**AUCTIONEER:** STEVE GILBERT

THIS WILL BE A FAST-MOVING AND FUN  
AUCTION. HELIS, JETS, FIGHTERS, AND  
TRAINERS WILL BE SOLD. SMALL ITEMS  
WILL BE GROUPED TOGETHER TO MEET  
\$5.00 MINIMUM PRICING.

**INFO:** Steve Gilbert: [stevegilbert@adelphia.net](mailto:stevegilbert@adelphia.net)  
Ted Wojcik: [tedwojcik@verizon.net](mailto:tedwojcik@verizon.net)

**Map to Auction**



**ROWLEY VETERANS  
ASSOCIATION**  
ROWLEY, MASSACHUSETTS

# 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 CONTACTS

**Chief Instructor and Safety Officer: Jeremy Harkin**  
[jeremy.harkin@gmail.com](mailto:jeremy.harkin@gmail.com)  
 (781-894-6683)

### POWER:

|                |           |              |
|----------------|-----------|--------------|
| Jeremy Harkin  | Waltham   | 781-894-6683 |
| Bob Scott      | Norwell   | 781-982-0268 |
| Pete Young     | Watertown | 617 923-4184 |
| 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 |
| Derrick Veliz   | Acton     | 978-266-1739 |
| Pete Young      | Watertown | 617 923-4184 |
| Lincoln Ross    | Waltham   | 781-891-0332 |
| Dick Williamson | Sudbury   | 978 443-8549 |
| Tom Bauer       | Wellesley | 781-235-7344 |

### 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 |
| 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 |
| Joel Foner      | Natick    | 508-653-3560 |
| John Weigel     | Natick    | 508-653-3560 |
| Pete Young      | Watertown | 617 923-4184 |
| Derrick Veliz   | Acton     | 978-266-1739 |
| Dick Williamson | Sudbury   | 978-443-8549 |
| Tom Bauer       | Wellesley | 781-235-7344 |

## 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]

#### Scott

774-286-1190 [Marlborough]

### NEW KEYS ARE READY

2007 season keys are available! To get a Key for Bill Martin Field in Medfield, 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](mailto:kxa@verizon.net).

Alex of Alex's RC in Belmont also has keys. Show him a club badge to get the key. A \$5 deposit is required the first time you receive a key.

### MEMBERSHIP

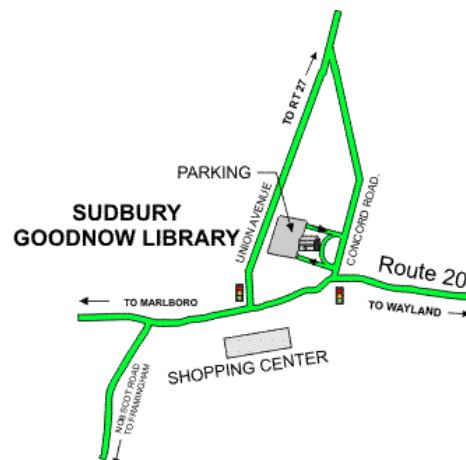
Here are the updated CRRC membership figures for 2007. The table summarizes the membership status from 1999 through current month, 2007.

| 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 | 63       | 6           | 69          |

-John Nilsson

### FEBRUARY DIRECTORS MEETING

The next directors meeting will be, Tuesday, February 27<sup>th</sup> at 7:30 PM, at the Sudbury Goodnow Library. All club members are invited to attend. Please volunteer to attend at the February 21<sup>st</sup> club meeting.





## THE CHARLES RIVER RADIO CONTROLLERS, INC

### 2007 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@charlesriverrc.org](mailto:membership@charlesriverrc.org))

Make Checks Payable to:  
Charles River RC

#### SAVE \$5 - EARLY BIRD DUES RATES ARE LISTED

| <b>MEMBERSHIP<br/>CATAGORY</b>                                             | <b>Rates until<br/>March 1, 2007</b> | <b>Rates After<br/>March 1, 2007</b> |
|----------------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> OPEN Member                                       | <b>\$40.00</b>                       | <b>\$45.00</b>                       |
| <input type="checkbox"/> JUNIOR member,<br>(under 19 before 7-1)           | <b>\$1.00</b>                        | <b>\$1.00</b>                        |
| <input type="checkbox"/> SENIOR member,<br>(if age 60 before 7-1)          | <b>\$30.00</b>                       | <b>\$35.00</b>                       |
| <input type="checkbox"/> SENIOR member,<br>(if age 75 before 7-1)          | <b>Free if AMA<br/>member</b>        | <b>Free if AMA<br/>member</b>        |
| <input type="checkbox"/> Full time STUDENT                                 | <b>\$20.00</b>                       | <b>\$25.00</b>                       |
| <input type="checkbox"/> Family member<br>additional to OPEN<br>membership | <b>\$20.00</b>                       | <b>\$25.00</b>                       |

**John Nilsson /Secretary CRRC**  
**511B Ridgfield Circle**  
**Clinton, MA 01510**  
**Telephone 978 368-7136**  
E-mail: [photoguy205@comcast.net](mailto:photoguy205@comcast.net)

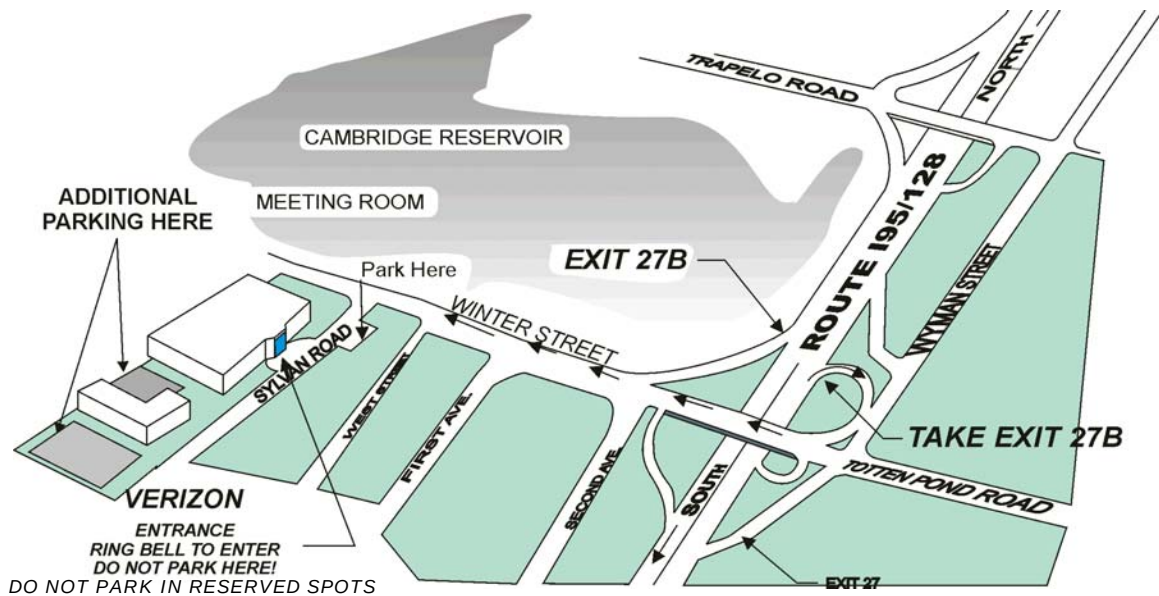
- ☐ I DO NOT want my address to appear  
in the club phone book

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

To receive your newsletter by US mail, please contact John Nilsson, 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.

## *DIRECTIONS TO CRRC MONTHLY MEETING AT VERIZON LABS IN WALTHAM*



The Charles River Radio Controllers meets the third Wednesday of each month. Guests are welcome. Check for the Newsletter meeting announcement on the second Wednesday of each month.



*Who needs movers when all the important stuff fits in the family van?*