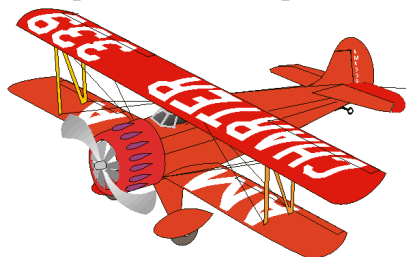


# NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



## CRRRC FLIGHT-LOG

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

AMA CHARTER 339

DECEMBER 2003

VOLUME 40 NUMBER 12

### 2003 CRRRC OFFICERS

PRESIDENT

**Derick Veliz**

978-266-1739

[dveliz@omr-architects.com](mailto:dveliz@omr-architects.com)

VICE -PRESIDENT

**Mark Drela**

617-253-0067

[drela@mit.edu](mailto:drela@mit.edu)

MEMBERSHIP SECRETARY

**Dick Williamson**

978 443-8549

[williamson@ll.mit.edu](mailto:williamson@ll.mit.edu)

RECORDING SECRETARY

**Jeremy Harkin**

781-894-6683

[jeremy\\_harkin@yahoo.com](mailto:jeremy_harkin@yahoo.com)

TREASURER

**Miner Crary**

978 443-8209

[m.crary@comcast.net](mailto:m.crary@comcast.net)

NEWSLETTER EDITOR

**Michael Cormier**

781-894-0720

[michaeljc@rcn.com](mailto:michaeljc@rcn.com)

Ex-Officio and RAFFLE CHAIRMAN

**Jon Leehey**

508 358-5721

[jon.leehey@alum.mit.edu](mailto:jon.leehey@alum.mit.edu)

WEBMASTER

**Joel Foner**

508 653-3560

[joel.foner@fonerassoc.com](mailto:joel.foner@fonerassoc.com)

### GENERAL MEETING

Wednesday  
December 17<sup>th</sup>  
7:30 PM

## 100 Years of Powered Flight

By Mark Drela

*A comprehensive Look  
back at the pioneering  
efforts of Orville and  
Wilbur Wright.*

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### DECEMBER RAFFLE

1st Prize\*

"Cobweb" indoor electric ARF with GWS motor, gearbox, prop, 2A ESC and NiCAD battery pack. Almost ready for the next indoor funfly.



2nd Prize \*

"Surprise"

3rd Prize \*

Selection of Cool Tools.

\*Show and Tell prize will be A  
Selection of Cool Tools!

--Jon Leehey  
Raffle Chairman

### Quotable Quote:

"The soaring problem is apparently not so much one of better wings as of better operators."

- Wilbur Wright as he observed buzzards in flight

(Funny how 100 years later that statement still holds true.)

From the Sept. 2003AMA  
National

# Calling all builders!

**Hi All!**

As the new veep I'm working on speaker ideas for the meetings next year. One idea that is on the table for January (meeting wed Jan 21) is to have a building techniques seminar. I'm looking for members who would be willing to come in and talk about some of the methods you employ in your building projects.

The seminar would run about 30-45 minutes and I'm thinking about selecting 3-4 topics with about 10-15 minutes per. Below I've listed some of the topic ideas I've come up with, please feel free to add more.

Anyone who is interested in participating please contact me indicating so and the technique you would like to demonstrate. I'll schedule the demos based on responses I get by the time of the December general meeting (12/17/03).

Sample Topic Ideas:

- Iron-on covering techniques.
- Cutting foam wings.
- Working with carbon fiber, Kevlar and composites.
- Vacuum bagging.
- Fiberglass and paint finishing.
- Fabric and dope covering techniques.
- Molding fiberglass parts.
- Cutting parts from plans for scratch projects.
- Gluing techniques (ie, when to use epoxy vs CA vs Aliphatic vs polyurethane etc, whats good for different wood and foam types, gluing dissimilar materials)

--Jeremy J. Harkin

# 2003 – 2004 Calendar.

| December 2003 |                                                                               |
|---------------|-------------------------------------------------------------------------------|
| Dec 6 (Sat)   | CRRC Indoor RC flying at<br><a href="#">Teamworks</a><br>(9pm-midnight)       |
| Dec 16 (Tue)  | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                      |
| Dec 17 (Wed)  | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                       |
| January 2004  |                                                                               |
| Jan 1 (Thu)   | CRRC Frozen Finger Fun Fly (location to be announced - watch the YahooGroup!) |
| Jan 10 (Sat)  | CRRC Indoor RC flying at<br><a href="#">Teamworks</a><br>(9pm-midnight)       |
| Jan 21 (Wed)  | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                       |
| Jan 27 (Tue)  | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                      |
| February 2004 |                                                                               |
| Feb 14 (Sat)  | CRRC Indoor RC flying at<br><a href="#">Teamworks</a><br>(9pm-midnight)       |
| Feb 18 (Wed)  | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                       |
| Feb 24 (Tue)  | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                      |
| March 2004    |                                                                               |
| Mar 17 (Wed)  | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                       |
| Mar 23 (Tue)  | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                      |
| Mar 27 (Sat)  | CRRC Indoor RC flying at<br><a href="#">Teamworks</a><br>(9pm-midnight)       |
| April 2004    |                                                                               |
| Apr 21 (Wed)  | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                       |
| Apr 27 (Tue)  | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                      |
| May 2004      |                                                                               |
| May 19 (Wed)  | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                       |

| May 25 (Tue)       | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
|--------------------|-------------------------------------------------------------------------|
| June 2004          |                                                                         |
| Jun 16 (Tue)       | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
| Jun 22 (Sat)       | CRRC Indoor RC flying at<br><a href="#">Teamworks</a><br>(9pm-midnight) |
| July 2004          |                                                                         |
| July 21 (Wed)      | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                 |
| July 27 (Tue)      | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
| August 2004        |                                                                         |
| August 18 (Wed)    | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                 |
| August 24 (Tue)    | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
| September 2004     |                                                                         |
| September 15 (Tue) | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
| September 21 (Sat) | CRRC Indoor RC flying at<br><a href="#">Teamworks</a><br>(9pm-midnight) |
| October 2004       |                                                                         |
| October 20 (Wed)   | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                 |
| October 26 (Tue)   | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
| November 2004      |                                                                         |
| November 17 (Wed)  | CRRC Club meeting at<br><a href="#">Verizon Waltham</a>                 |
| November 23 (Tue)  | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
| December 2004      |                                                                         |
| December 15 (Tue)  | CRRC Board meeting at<br><a href="#">Sudbury Library</a>                |
| December 21 (Sat)  | CRRC Indoor RC flying at<br><a href="#">Teamworks</a><br>(9pm-midnight) |

# Shameless Plug!

## *“Never be afraid to try something new”*

As last months “*Though for the day*” reminded us, this is just one of the many reasons why you should consider receiving your monthly CRRC Newsletter electronically!

*(Downloadable from the CRRC web-site.)*

Here below is a short list of reasons to consider:

- 1) It will arrive in perfect condition! Not folded, spindled, mutilated and or slobbered all over by *(Insert your Dog's name here \_\_\_\_\_)*.
- 2) You will receive it as soon as it is completed, you won't have to wait for the U.S.P.S. (Unbearably Slow Postal Slugs.)
- 3) It's in color! Much better for seeing just what those shinny new monthly raffle prizes really look like.
- 4) Save paper,( or at least the branch that gave is life for your particular copy!)
- 5) Help prevent the un-timely extinction of the rare and hard to find species .....

*(newsleterous-editorious).*

I'm sure you might be able to come up with a few more reasons if you think about it a bit, anyway, please consider making the change if at all you can. It will cut down greatly the workload of the Newsletter editor, freeing him up to

focus more on content, rather than elbow grease. Also, it will encourage others to possibly reach out for the pleasure, prestige and satisfaction that comes with serving your fellow CRRC'rs and certainly the greater R/C community that might also benefit from your humble efforts. *(To make the change, Just contact Dick Williamson, or Jeff Newcomb.)*

*Sincerely;  
Michael Cormier  
Out-going 2003 CRRC Newsletter  
Editor.*

## **\*BLURB\***

*Are you a new CRRC member? Want to get all the latest club updates? Find out when people are going slope soaring at the Cape? Or just want to join the daily RC chatter? Then subscribe to the CRRC Email list! Direct your web browser to:*

*[http://www.charlesriverrc.org/crrc\\_emailist.htm](http://www.charlesriverrc.org/crrc_emailist.htm) or just send an email to [walter@toplayer.com](mailto:walter@toplayer.com) requesting that you be added to the list. See you online!*

*--Dave Walter*

## Thanks for the vote!

A new year is almost upon us and we have a change of hands for our newsletter. Thanks Mike for all the hard work. I'm very excited to be the new editor. It's excellent to be involved with such a great and knowledgeable club.

Please feel free to forward me your articles, reviews, and stories for the upcoming newsletters. I'd like to use at least 2 to 3 articles per month

from club members. Additionally, if you have an idea for an article, review, or story that you would like to see published please let me know. I will do my best to attend Davis and Medfield to get pictures, stories, and events that are happening. If you don't have Internet access then please submit your articles to me at the monthly meeting.

I can be reached via email at [newsletter@charlesriverrc.org](mailto:newsletter@charlesriverrc.org).

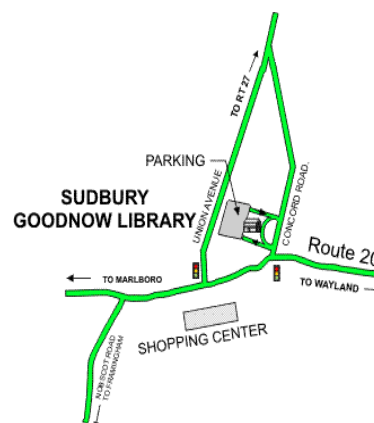
*Thanks again,  
Jeff Newcum*



*PS. That's me with my flying hat at Deer Island launching my Mig-3.*

## **DECEMBER DIRECTOR'S MEETING**

The next directors meeting will be, Tuesday (Before the General Mtg.), December 16<sup>th</sup> at 7:30 PM, at the Sudbury Goodnow Library.



# 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 |
| 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 |
| John Nilsson    | Clinton   | 978-368-7136 |
| Tom Bauer       | Wellesley | 781-235-7344 |
| Ken Antonellis  | Natick    | 508-653-4513 |

### 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 |
| Dick Williamson | Sudbury   | 978 443-8549 |
| Tom Bauer       | Wellesley | 781-235-7344 |

### HELICOPTERS:

— None Available at present—

### BUILDING:

|                 |           |              |
|-----------------|-----------|--------------|
| Fritz Bien      | Concord   | 978-369-1720 |
| John Weigel     | Natick    | 508-653-3560 |
| Pete Young      | Watertown | 617 923-4184 |
| Derrick Veliz   | Acton     | 978-266-1739 |
| Dick Williamson | Sudbury   | 978-4338549  |

## CRRC LIBRARY

The club keeps a library of videos and books. They are made available at club meetings. If you cannot come to the meeting, and would like to borrow a video or book, call Ken Antonellis at **(508) 653-4513**.

### Videos:

1996 World Masters Aerobatic Championships  
AMA – The Pioneers (25 min)  
Byron – New Generation of Modeling Products (17 min)  
Byron – R/C Wars

Combat Models – Fighter town Demo (8 min)  
Coming of Jets & History of the DC3  
Dynamic Soaring  
Elmira '97  
Endless Lift  
Hot Stuff Video (60 min)  
Local Flying (Medfield)  
Military Aircraft  
Monokote 1 & 2  
Old Buzzard Goes Flying  
R/C Helicopters  
R/C Info and Tips  
R/C Ornithopter Research  
Project R/C Soaring from the Ground Up

R/C Video Magazine, Vol. 1-13  
Scale Aircraft Documentation  
The Light Stuff (Daedalus Project)  
Wring It Out, Vol. 2

### Books:

1993 Don Edberg Complete Source Book  
AMA – Sound and Model Aeronautics  
Aviation Heritage Magazine – B2 Flying Wing  
Completely Cars – Harry Higley  
Trainers (R/C Magazine)

## TREE CLIMBERS

### **Tony Morais**

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

### **Brian Pikarski**

Burlington, MA  
617-797-2136

### **Kenny Greeno**

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

### **Paul Harrington**

(508) 376-2573 [Medfield Area]

## Secretary's Report: November 2003 General Meeting

Mark Drela opened the business meeting at 7:40pm.

Secretary's report was approved as not printed in newsletter.  
Treasurer's report was approved as not printed in newsletter.

Dick Williamson reports that we now have 195 members for 2003.

## Field Reports

**Medfield** – The field is in good shape. There has been less flying lately due to lots of windy days.

**Davis** – Dick reported on the sports schedule for next year. Youth Lacrosse will continue to play at Davis, however the field should be free on weekends in the fall.

## Old Business

**Ken Antonellis** – reported that an estimated 200 people attended. Ruane Crummett added that the club made around \$1200 on about \$7000 in sales.

### New Business

**Ken Antonellis** – made a motion to donate \$50 to Natick VFW for the purchase of card tables. The motion passed unanimously.

**Dick Williamson** – reported that the December general meeting would have a Wright Brothers theme as it falls on the 100<sup>th</sup> anniversary of the first powered flight.

**Ron Weissman** – reported that our intrepid president Derick Veliz is in Guatemala for his wedding. Congrats Derick!

**Next BOD** – meeting is November 25.

## Elections

*The 2004 officer elections were held.*

**President** – Ken Antonellis  
**Vice President** – Jeremy Harkin  
**Treasurer** – Scott Anderson  
**Membership Secretary** – Dick Williamson  
**Recording Secretary** – Dave Walter  
**Ex-Officio/Raffle Chairman** – Derick Veliz  
**Newsletter Editor** – Jeff Newcum  
**Webmaster** – Joel Foner  
**Chief Instructor** – Ruane Crummett

## Raffle

Warren Chafe – Defiant glider kit  
Dick Williamson – Set of clamps  
Pete Lofgren – GP Slot Machine

## New Pilots

**Al Addy**

## Guests

**Marc Rudner** – guest speaker  
Nelson – interested in the club

Mark closed the business meeting at 8:30pm.

## Show And Tell

**Ron Weissman and Tomer Jackman** – 3DX blue foam 3D electrics.  
**Lincoln Ross** – “Pink Shadow” foamy.  
**Warren Chafe** – A homemade transistorized ignition for a 1940 vintage spark ignition model engine.  
**David Spielman** – Defiant foam glider.  
**Tony Davids** – Wattage Extra.

## Speaker

**Marc Rudner** – gave a talk on competition control line combat.

## MEMERSHIP STATISTICS.

Here are the updated CRRC membership figures. 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      | 39*         | 195         |

2004 “38” so far

\*The 39 new members include 33 genuinely new members and 6 members who rejoined after a lapse of a year or more.

I will send out an updated membership list around the first of each month.

*--Dick Williamson*

## TREASURERS REPOTRT.

Report Date 11/30/03

|                                          |                  |
|------------------------------------------|------------------|
| <b>Starting Balance</b><br>10/31/03      |                  |
| Checking (after #1328)                   | 4,307.17         |
| Savings                                  | 5,616.53         |
| Cash                                     | 25.00            |
| <b>Total Starting</b>                    | <b>9,948.70</b>  |
| <b>Income</b>                            |                  |
| Auction Proceeds & Food                  | 1,063.50         |
| November Raffle                          | 98.00            |
| Keys                                     | 15.00            |
| Interest on Savings (November)           | 3.23             |
| <b>Total Income</b>                      | <b>1,179.73</b>  |
| <b>Expenses</b>                          |                  |
| Wayne Nelson – Indoor Flying #1329       | 50.00            |
| Mike Cormier – Oct. Newsletter #1330     | 35.42            |
| MMAC -- Medfield Mowing #1331            | 225.00           |
| John Leehey -- Raffle Prizes, etc. #1332 | 213.89           |
| VOID -- #1333                            | --               |
| Monthly Bank Fees (November)             | 12.21            |
| <b>Total Expenses</b>                    | <b>536.52</b>    |
| <b>Ending Balances</b>                   |                  |
| Checking (after #1332)                   | 4,947.15         |
| Savings                                  | 5,619.76         |
| Cash                                     | 25.00            |
| <b>Total Ending</b><br>11/30/03          | <b>10,591.91</b> |

Signature: *Miner Crary*

# 2004

## FROZEN FINGER FLY-IN

**NEW YEAR'S DAY**

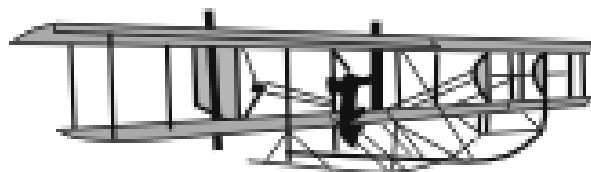
*Bill Martin Field*  
*MEDFIELD*

(Will be Relocated to Davis Field Sudbury if Road is Impassable)

COME GET IN YOUR  
FIRST FLIGHT OF THE YEAR!

POWER FLYING  
STARTS AT 9:00AM

COFFEE AND DONUTS WILL BE  
PROVIDED TO KEEP WARM





# THE CHARLES RIVER RADIO CONTROLLERS, INC

## 2004 MEMBERSHIP APPLICATION *AMA Charter 339*

**THIS FORM EXPIRES ON MARCH 1<sup>ST</sup> 2004!**

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**

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

To receive membership card and field pass, bring this application to a club meeting, or mail with a copy of your Year 2004 AMA LICENSE, appropriate dues, and a **SELF ADDRESSED STAMPED ENVELOPE** to:

**Dick Williamson /Secretary CRRC**  
**P.O. Box 398**  
**Lincoln, MA 01773**  
**Telephone 978 443-8549**  
 E-mail: [williamson@ll.mit.edu](mailto:williamson@ll.mit.edu)

| <b>REMEMBER THE MARCH 1<sup>ST</sup> DEADLINE!</b>                | <b>Renewal before March 1<sup>st</sup></b> |
|-------------------------------------------------------------------|--------------------------------------------|
| OPEN Member                                                       | <b>\$30.00</b>                             |
| JUNIOR member, (under 19 before 7-1)                              | <b>\$15.00</b>                             |
| SENIOR member, (if age 60 before 7-1)                             | <b>\$20.00</b>                             |
| full time STUDENT                                                 | <b>\$15.00</b>                             |
| Family member additional to OPEN membership                       | <b>\$15.00</b>                             |
| <b>There will be a \$5.00 penalty for joining AFTER March 1st</b> |                                            |

### I'M INTERESTED IN THE FOLLOWING:

- ☐ TRAINERS/SPORT PLANES  
☐ GLIDERS  
☐ INDOOR/PARK FLYERS

- ☐ ELECTRICS  
☐ HELICOPTERS  
☐ SCALE

- ☐ PATTERN  
☐ RACING  
☐ GIANT SCALE

☐ **OTHER** (specify) \_\_\_\_\_

### FREQUENCY DATABASE

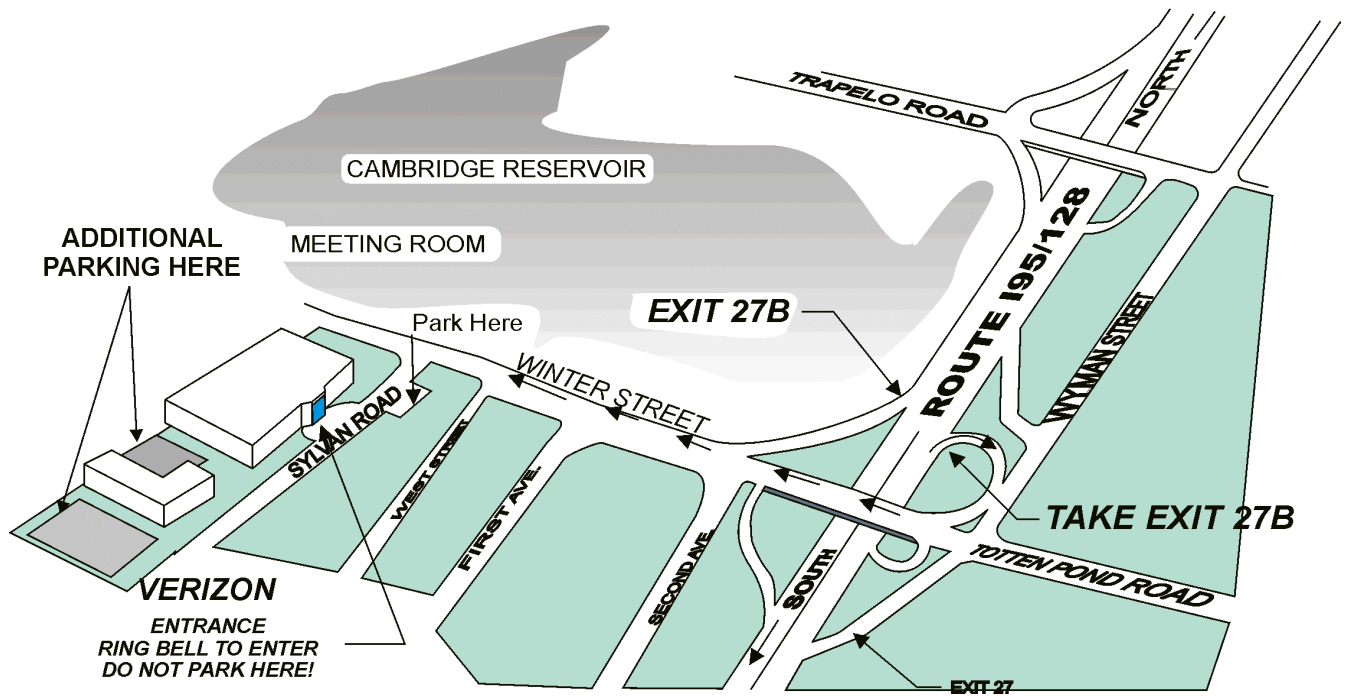
This database is made to help you select future radios that have the fewest conflicts with ones used by others at the flying field. Put the number of transmitters that you own for each frequency. **Add D if it is your primary frequency at Davis and M if it is your primary at Medfield.**

11> \_\_\_\_\_ 16> \_\_\_\_\_ 21> \_\_\_\_\_ 26> \_\_\_\_\_ 31> \_\_\_\_\_ 36> \_\_\_\_\_ 41> \_\_\_\_\_ 46> \_\_\_\_\_ 51> \_\_\_\_\_ 56> \_\_\_\_\_  
 12> \_\_\_\_\_ 17> \_\_\_\_\_ 22> \_\_\_\_\_ 27> \_\_\_\_\_ 32> \_\_\_\_\_ 37> \_\_\_\_\_ 42> \_\_\_\_\_ 47> \_\_\_\_\_ 52> \_\_\_\_\_ 57> \_\_\_\_\_  
 13> \_\_\_\_\_ 18> \_\_\_\_\_ 23> \_\_\_\_\_ 28> \_\_\_\_\_ 33> \_\_\_\_\_ 38> \_\_\_\_\_ 43> \_\_\_\_\_ 48> \_\_\_\_\_ 53> \_\_\_\_\_ 58> \_\_\_\_\_  
 14> \_\_\_\_\_ 19> \_\_\_\_\_ 24> \_\_\_\_\_ 29> \_\_\_\_\_ 34> \_\_\_\_\_ 39> \_\_\_\_\_ 44> \_\_\_\_\_ 49> \_\_\_\_\_ 54> \_\_\_\_\_ 59> \_\_\_\_\_  
 15> \_\_\_\_\_ 20> \_\_\_\_\_ 25> \_\_\_\_\_ 30> \_\_\_\_\_ 35> \_\_\_\_\_ 40> \_\_\_\_\_ 45> \_\_\_\_\_ 50> \_\_\_\_\_ 55> \_\_\_\_\_ 60> \_\_\_\_\_

**HAM LICENSE CHANNELS: license may be checked at the field!**

01> \_\_\_\_\_ 02> \_\_\_\_\_ 03> \_\_\_\_\_ 04> \_\_\_\_\_ 05> \_\_\_\_\_ 06> \_\_\_\_\_ 07> \_\_\_\_\_ 08> \_\_\_\_\_ 09> \_\_\_\_\_  
 53.1> \_\_\_\_\_ 53.2> \_\_\_\_\_ 53.3> \_\_\_\_\_ 53.4> \_\_\_\_\_ 53.5> \_\_\_\_\_ 53.6> \_\_\_\_\_ 53.7> \_\_\_\_\_ 53.8> \_\_\_\_\_

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



Michael Cormier / Editor  
48 Bacon Street. # 8  
Waltham, MA 02451-4349