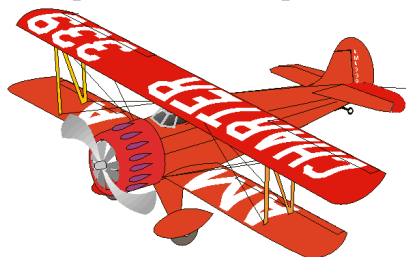


NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRRC FLIGHT-LOG

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

AMA CHARTER 339

DECEMBER 2003

VOLUME 40 NUMBER 12

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978-266-1739

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drela@mit.edu

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williamson@ll.mit.edu

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978 443-8209

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781-894-0720

michaeljc@rcn.com

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Jon Leehey

508 358-5721

jon.leehey@alum.mit.edu

WEBMASTER

Joel Foner

508 653-3560

joel.foner@fonerassoc.com

GENERAL MEETING

Wednesday
December 17th
7:30 PM

100 Years of Powered Flight

By Mark Drela

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

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

Table of Contents

Raffle Prizes.	Jon Leehey	1
"Calling all Builders"	Jeremy Harkin	2
2003 - 2004 Calendar		2
"Shameless Plug!"	Mike Cormier	3
BLURB	Dave Walter	3
"Thanks for the Vote"	Jeff Newcum	3
December Board of Directors Meeting.		3
CRRRC Lending Library		4
TREE CLIMBERS		4
November Secretaries Report		5
Membership Statistics	Dick Williamson	5
Treasurers Report	Miner Crary	5
2004 "FFFF" Flyer		6
2004 CRRRC Membership Application		7
Map & Directions!		8

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 Teamworks (9pm-midnight)
Dec 16 (Tue)	CRRC Board meeting at Sudbury Library
Dec 17 (Wed)	CRRC Club meeting at Verizon Waltham
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 Teamworks (9pm-midnight)
Jan 21 (Wed)	CRRC Club meeting at Verizon Waltham
Jan 27 (Tue)	CRRC Board meeting at Sudbury Library
February 2004	
Feb 14 (Sat)	CRRC Indoor RC flying at Teamworks (9pm-midnight)
Feb 18 (Wed)	CRRC Club meeting at Verizon Waltham
Feb 24 (Tue)	CRRC Board meeting at Sudbury Library
March 2004	
Mar 17 (Wed)	CRRC Club meeting at Verizon Waltham
Mar 23 (Tue)	CRRC Board meeting at Sudbury Library
Mar 27 (Sat)	CRRC Indoor RC flying at Teamworks (9pm-midnight)
April 2004	
Apr 21 (Wed)	CRRC Club meeting at Verizon Waltham
Apr 27 (Tue)	CRRC Board meeting at Sudbury Library
May 2004	
May 19 (Wed)	CRRC Club meeting at Verizon Waltham

May 25 (Tue)	CRRC Board meeting at Sudbury Library
June 2004	
Jun 16 (Tue)	CRRC Board meeting at Sudbury Library
Jun 22 (Sat)	CRRC Indoor RC flying at Teamworks (9pm-midnight)
July 2004	
July 21 (Wed)	CRRC Club meeting at Verizon Waltham
July 27 (Tue)	CRRC Board meeting at Sudbury Library
August 2004	
August 18 (Wed)	CRRC Club meeting at Verizon Waltham
August 24 (Tue)	CRRC Board meeting at Sudbury Library
September 2004	
September 15 (Tue)	CRRC Board meeting at Sudbury Library
September 21 (Sat)	CRRC Indoor RC flying at Teamworks (9pm-midnight)
October 2004	
October 20 (Wed)	CRRC Club meeting at Verizon Waltham
October 26 (Tue)	CRRC Board meeting at Sudbury Library
November 2004	
November 17 (Wed)	CRRC Club meeting at Verizon Waltham
November 23 (Tue)	CRRC Board meeting at Sudbury Library
December 2004	
December 15 (Tue)	CRRC Board meeting at Sudbury Library
December 21 (Sat)	CRRC Indoor RC flying at Teamworks (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 or just send an email to 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.

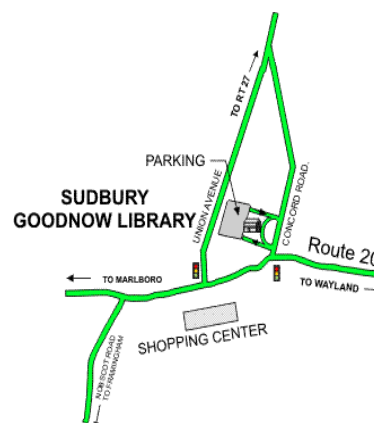
*Thanks again,
Jeff Newcum*



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 16th 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 100th 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

Starting Balance 10/31/03	
Checking (after #1328)	4,307.17
Savings	5,616.53
Cash	25.00
Total Starting	9,948.70
Income	
Auction Proceeds & Food	1,063.50
November Raffle	98.00
Keys	15.00
Interest on Savings (November)	3.23
Total Income	1,179.73
Expenses	
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
Total Expenses	536.52
Ending Balances	
Checking (after #1332)	4,947.15
Savings	5,619.76
Cash	25.00
Total Ending 11/30/03	10,591.91

Signature: *Miner Crary*

2004 FROZEN FINGER FLY-IN

NEW YEAR'S DAY

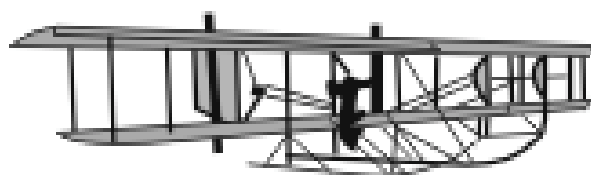
*Bill Martin Field
MEDFIELD*

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

COME GET IN YOUR
FIRST FLIGHT IF 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 1ST 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

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

I'M INTERESTED IN THE FOLLOWING:

☐ TRAINERS/SPORT PLANES

☐ GLIDERS

☐ INDOOR/PARK FLYERS

☐ ELECTRICS

☐ HELICOPTERS

☐ SCALE

☐

PATTERN

☐

RACING

☐

GIANT SCALE

☐ OTHER (specify) _____

FREQUENCY DATABASE

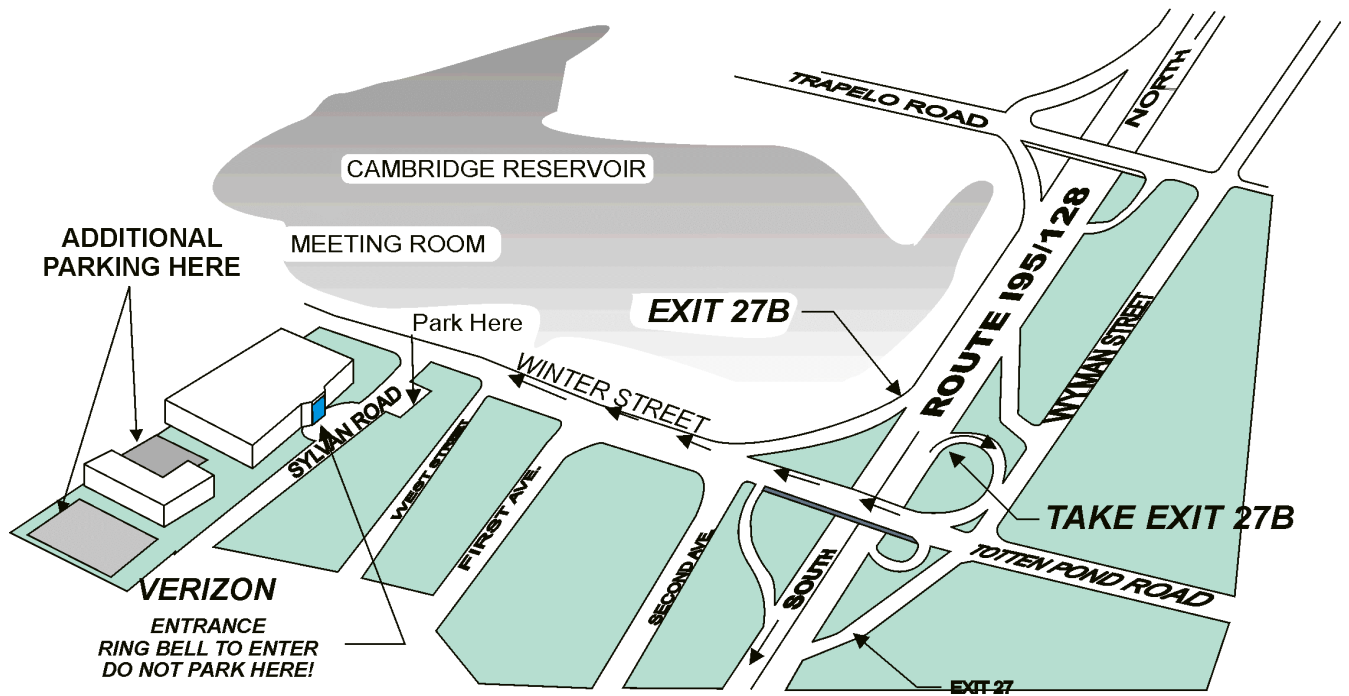
This database is made to help you select future radios that have the fewest conflicts with ones used by others at the flying field. Put the number of transmitters that you own for each frequency. **Add D if it is your primary frequency at Davis and M if it is your primary at Medfield.**

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