

Newsletter of the Charles River Radio Controllers, Inc.



AMA CHARTER 339

March 2005

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GENERAL MEETING

Wednesday
March 16th
7: 30 PM

**WINTER
PROJECTS
NIGHT!**

Bring in your winter project for final preflight check out. Show off your building skills or just share the fruit of your labor.

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This next meeting will feature winter projects. This is a good reason to get into high gear on that project that has been collecting mold in the basement. At least dust it off and bring it in finished or not.

The business part of the meeting will be short and sweet and we will leave plenty of time for everyone to show off his or her latest addition to the hanger.

-Jean-Pierre Riu

WON
a
COOL TOOL
for
Show-n-Tell

-Ken Antonellis

President's Letter



I'm no fan of winter! So, this is the March newsletter (winter is supposed to end about the time of the meeting)... and during the past month I have just flown once. Between the cold and the snow and the wind (not to mention a few kid activities) it's been a tough month to fly. As I write this it's 35 degrees and windy. We did get some flying in yesterday – brushless and Lipo's have come to the Zagi. Bruce was all smiles watching his Zagi rising at 60 degrees. The set-ups I have seen with Mega motors 16/15/ 4 or 5 and Aveox 27/13/3's – depending on how you prop the plan these systems will produce 150 to 280 watts. This has to be at least 2 to 5 times what the Zagi speed 400 would produce and at a lower weight.

So overpowering the Zagi is the most flying fun for this weather. We had a good time flying them and caught a few thermals – even if I had to hand mine over to Bruce for a few minutes because my eyes were crying from the cold wind. I was going to spend most of letter complaining about the weather but that never seems to help. I think that Davis looks much better deep green than bright white.

Membership

It looks like the season is beginning to look up. We have some nice additions to our regular events. Two of note is the Family Day that Tomer is heading up and the Cub Scout event we are helping with for the end of April.

Well, I'm going to cut this short in hopes of more flying to talk about in the coming months. Here's looking forward to warmer and calmer days.

Fly safe and many happy landings,

-Andrew Johnsen

Membership Statistics

Here are the updated CRRC membership figures as of March 4, 2005. 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	109	6	115

-John Nilsson

Treasurer's Report

Report Date 2/28/2005

Starting Balance	
01/31/05	
Checking	\$10,160.29
Savings	\$957.45
Cash Box	\$25.00
PayPal Acct	\$207.30
Total Starting	\$11,350.04
Income	
Indoor flying receipts, Feb.	\$72.00
Raffle income, Feb.	\$107.00
Dues, Feb.	\$495.00
Interest: Savings	\$0.44
Total Income	\$674.44
Expenses	
AMA, applications for Soar-In '05, #1417	\$40.00
Ken Antonellis, Feb. raffle prize, #1418	\$89.58
Tracy Clark, Jan & Feb newsletter, #1419	\$158.00
Ruane Crummett, Mar. raffle prize, #1420	\$47.16
Scott Anderson, Quicken Basic 2005, #1421	\$31.49
Monthly Bank Fees, Savings	\$5.00
Total Expenses	\$371.23
Ending Balances	
Checking	\$10,468.06
Savings	\$952.89
Cash Box	\$25.00
PayPal Acct	\$375.40
Grand Total Ending	\$11,821.35
02/28/05	

-Scott Anderson

FEBRUARY GENERAL MEETING NOTES

Secretary's Report:

February 2005 General Meeting

Club President Andrew Johnsen opened the meeting at 7:40 p.m.

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

Field Reports

Davis Field, Sudbury, MA - Saturday, Feb. 12 was OK. Sunday was not as good. Fritz would like to the winch out this weekend, if weather permits.

Bill Martin Field, Medfield, MA - No change in status at Medfield.

Membership

John Nilsson would like to remind members to renew their membership by March 1 in order to receive the \$5.00 savings.

Membership status as of February meeting: 86 Renewals, 3 New Members. Peak Membership is 195

Old Business

Plans are in the works to have a family day on June 11. Tomer will have more information in the coming months. Specific details haven't been worked out as yet.

New Business

- The March Meeting will be Winter Project Night. Members are encouraged to bring in their winter projects, even if their projects are not completed.

- Plans are in the works to have an event at Bill Martin Field in Medfield, for Cub Scouts Pack II. Tentative plans are to have the event on April 30, 2205. CRRC would like to have approximately 30 Cub Scouts, with their parents as spectators. Discussion of a full size helicopter fly in and plane project was discussed, as well as a cookout suggested. Past President, John Leehy volunteered to organize this event.
- Ruane Crummett volunteered to attend the next BOD meeting at the Sudbury Library.

Raffle

1st Prize - Scott Anderson - Fat Free Taco, Monokote and accessories.

2nd Prize - David Spielman - "A cool" - CRRC jacket with hat

3rd Prize - Fritz Bien - "A cool" - Allen head wrench tool kit

New Pilots

No new flyers this month "too cold".

Guests

- Ray Harland from Wayland, MA - just visiting.
- Ray Crittenden from Bloomington, Indiana, - Flies Sailplanes
- Wayne Gunnell from Waltham, MA - interested in joining, would like to learn to fly helicopters

Show And Tell

Fitz Bien and John Nilsson made a book donation to the library. Books donated: "Vision of a flying Machine", "Unlocking the Sky", "Inventors -Wright Brothers".

Fitz Bien - Guillows Biplane
Thomas - Morse Scout, 7 1/2 oz. 9 cylinders, Apogee 500 max. 2 cell battery, also equipped with 2 tiny servos.

Tony Davids - "Electric Fly" Field box equipped with 2 chargers, 7 amp batteries from Tower Hobbies \$39.95

Tomer - 40 size plane from Ron Wiseman's attic.

Tomer's son, Roy - Pinewood Derby Car. Using a Mark Drela airfoil to model the car. Won 1st place, and a prize for best natural looking.

Show and Tell Prize – None due to the fire alarm

Guest Speaker

Tom Bauer is to be complemented for giving his time to talk about his tour of Edwards Air force Base Flight Test Center, with Major General Richard "Dick" Reynolds.



The talk included the viewing and visiting of various aircraft:

- 747 Shuttle Transporter
- F-22 Raptor
- C-17 Globe Master
- Global Hawk Autonomous Plane
- B-2
- Y22 Osprey

Tom also had the privilege to fly in a F-16 Falcon test simulator, and take a glider flight at Tehachapi Airport in California.

-Jim Otis

MEETING PHOTO GALLERY



February Raffle Prizes included a Fat Free Taco kit with accessories for 1st prize and a CRRC jacket and hat for 2nd prize.



Tickets anyone. John Weigel sells the winning second place raffle ticket.



Les buys a hand full of raffle ticks as Andrew looks on.



Tony Davis shows off his well equipped Hobbico electric flight box.



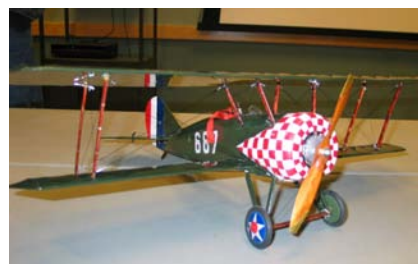
This box has it all, and then some. Equipped with 2 chargers, 2 - 12 volt batteries, props, tools and convenient cubbies, Tom will be ready to fly all day.



Fritz Bien and John Nilsson donated several books to the CRRC library.



Fritz shows off his Thomas - Morse Scout biplane. It's equipped with a CD drive motor for propulsion.



The detail on this plane is amazing! This project took most of the winter. I don't know how Fritz had time to fly.



Tomer Jackman shows off his found kit. After rummaging around in Ron's attic, Tomer came up with a vintage 1980 kit, power plant and servos from a crash. A bit of work, cleaner and a new receiver yielded this great looking setup.

-David Spielman

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

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 & TEAMWORKS

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]



The last indoor flying session at TeamWorks in Northboro is booked

for March 12th. Reservations are for 9PM till midnight.

You must be qualified in order to fly. Both plane and flier will be tested. Think slow and in control.

Final Indoor Flying date:

March 12th, Saturday 9-12am

Don't Miss Out!

In Praise of Glass

I'd like to take a few minutes of your time to talk about using glass as a building board. Several years ago I was introduced to this practice but had to give up my glass building board when I moved – large sheets of glass don't pack very well! In any case, I happened to find a large sheet of tempered glass a few months ago at school. At one time the door of a large cabinet, this piece measured 36" x 48" and is 1/4" thick. I've used it ever since and only regret that I didn't pick up a second piece that was also being discarded.

I've found the following positive attributes in favor of glass building boards. First, a glass building board is very flat and provides a very true building surface. Second, it won't warp over time, unlike wood, particleboard, or other less shape-stable materials. Third, it's very easy to clean off cured epoxy, superglue, or other adhesives with a razor blade. Fourth, a glass building board doesn't generate dust or splinters and is easy to keep dust-free, important when preparing a model for covering.

I know that some of you will point out that you can't pin wooden parts to a glass building board. To hold parts down, I use small weights to hold the work pieces down. If the wood is severely warped, it's better to either replace it or straighten it out with ammonia solution or water. You're not doing yourself any favors by building model assemblies that have to be pinned to maintain their flatness – this will cause big problems later!

As far as costs, I don't know how much a suitable piece of tempered

glass costs these days. But if you happen to find a piece that's headed for disposal, grab it! I can promise you that once you get used to building on a glass building board, you won't use any other kind again!

-Pete Young

CRRC AMA Recharter

Charles River Radio Controllers have six fields insured at \$60 per field.

Callahan Park - Insured to: Mass Dept of Environmental Management

Cow Common - Insured to: Town of Wayland, Mass.

Davis Field - Insured to: Rec Dept Town of Sudbury Davis, Far Field

Medfield Field - Insured to: Commonwealth of Mass Dept of Environmental Mgmt

Team Works - Insured to: Team Works

Poor Farm Meadow - Insured to: Town of Sudbury -

The AMA now requires GPS coordinates (Latitude and Longitude) of each field, taken at the center pilot's station. Data is being collected from club members who have GPS instruments or maps.

-John Nilsson



SUNDAY FLIERS

Sunday March 6th was 28 degrees sunny with a wind building. The CRRC pilots had a great time flying all kinds of electrics. Thermal activity was pretty high, but quickly blowing through the flying area.

Here are the pilots.



Bruce Schneider shows off his Baby Bee. It's brushless motor and LiPo batteries move this baby even on a windy day.



Tom Bauer's electric Piper Cub is set up with skis.



Up it goes. This was a fun launch.



Helmut's home designed hand launch flies great.



Tom Bauer poses with his Piper Cub.



Equipped with a LiPo battery, this Zagi if fast. Notice how nicely this battery has been inset into the fuselage. A standard canopy is used.



Fritz Bien's Hellcat flies quite scale at $\frac{1}{4}$ stick, now that it has a 5" prop.



Bruce Schneider is ready to fly his Wind Dancer. It's equipped with a brushless motor and LiPo batteries.



No problem gaining altitude with this set up.



Tom brings in his Cessna for a landing, but is buffeted by a thermal.



No damage to the Cessna. Snow does have some benefits.



Tom's Cessna has been around since he joined the CRRC. It's had some repair, but looks beautiful.



Fritz's Thomas - Morse Scout didn't go airborne today. The wind was just a bit too powerful.



It's equipped with a rotating cylinder engine, just like the full-scale version.



With the motor running and pilot's scarf flapping in the breeze, this plane looks beautiful.

Editors note

Cold weather and lots of snow are a good formula intense building. We should be seeing some excellent models out there this spring.

I hope that many of you will be sharing your models at the March meeting. Our next newsletter will feature photos of your winter projects.

Unfinished kits make a great show and tell at the winter projects night. You get so show off the workmanship before the covering.

I'll see you at the meeting,

-David Spielman

CRRC YAHOO GROUP

Keep in touch with the latest field conditions and chat with your club friends at our CRRC Yahoo group. Dave Walter is the moderator. <http://groups.yahoo.com/group/crrc/>

What's all the excitement about the WRAM Show?

Well on Friday, February 25, 6 of us (in two cars) ventured to the WRAM Show in White Plains New York, which is outside New York City. The trip takes about 3 ½ hours and actually is an enjoyable drive. (Easy for me to say, I was not driving) Once you pay your \$10.00 admission, you can walk in and see about 100 exhibitors. Most were selling their products at show prices. It is not that the items were that cheap but there is something about instant gratification. Most people spend anywhere from four to six hours in viewing and buying.

This year's theme seemed to be electrics. Northeast Sailplanes had a big booth and were selling many electric airplanes and brushless motor systems. Batteries America basically had their entire line there so if you needed transmitter, receiver or motor batteries, they were most happy to help you. Buckner Hobbies of New York was there and I think my best purchase was from them. I bought five one-ounce bottles of CA in my choice of thin, medium or thick for \$10.00. What a bargain. There were lots of little things to buy too, such as electrical connectors, wires, etc. Seems like almost everyone bought a new airplane as I did. In looking at my goodie bags, I picked up a lot of neat items. With the purchase of a receiver, servos etc, my bag was small but not cheap!

There are also demonstrations, a static scale contest and a swap shop.

On the way home, we stopped for hot wings and beer. Could the day have been any better? Think about coming out next year. I highly recommend it!

LiPo Batteries

Another delivery of LiPo batteries has arrived. Andrew Johnsen's factory direct source for LiPo batteries and chargers has made another delivery. Performance and reliability of these batteries has been excellent.

If you have ordered batteries or a charger, Andrew will have them at the meeting.

Here's Andrew's foamy with a Lipo pack and a sample of batteries ordered by club members.



president@charlesriverrc.org

SUBMIT YOUR ARTICLE!

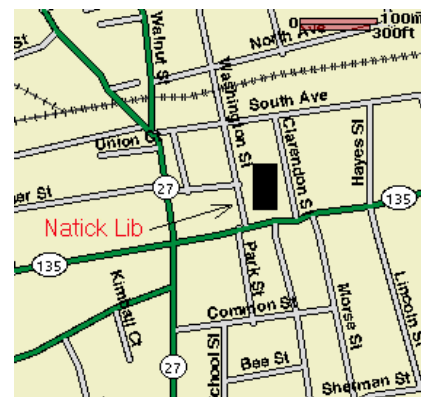
If you would like to share your newest build techniques, product review or flying experiences with other club members, provide the newsletter editor with an Email including pictures and text by the first Friday of the month.

Email

newsletter@charlesriverrc.org

MARCH DIRECTOR'S MEETING

The next directors meeting will be, Tuesday, march 22nd at 7:30 PM, at the Natick 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

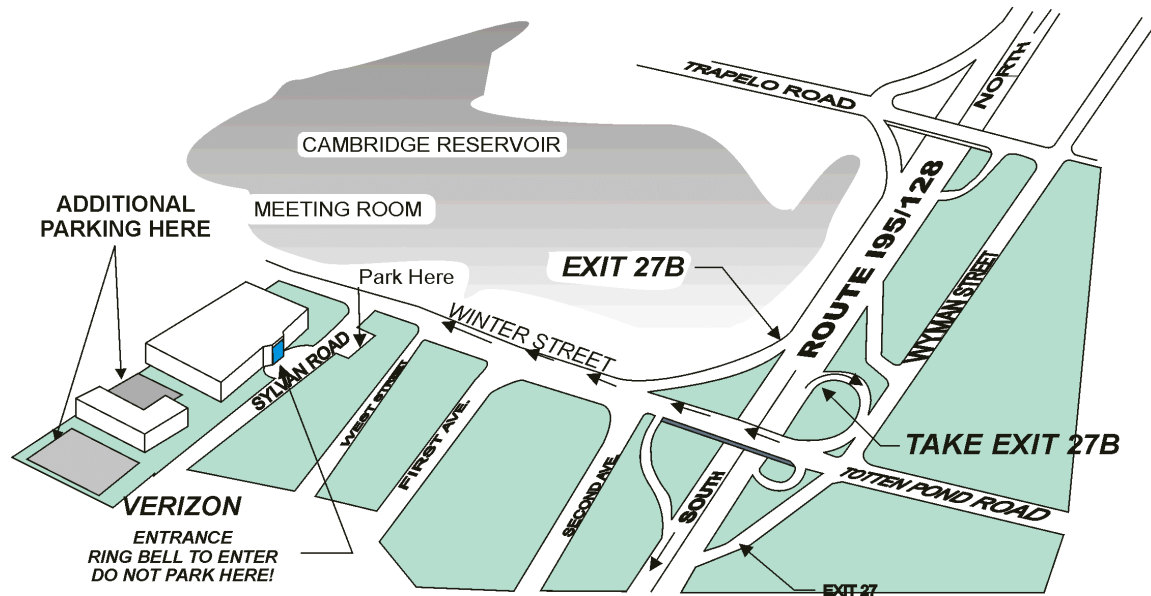
E-mail: photoguy205@comcast.net

☐ 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.

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



CRRC CREATIVE KIDS

Roy Jackman and dad, Tomer, showing Roy's cub scouts pinewood derby car, "The Shark". The car is based on Mark Drela's Allegro-lite AG37 airfoil. On top of winning 'Most natural looking', it won first place in the den!



Congratulations Roy!



David Spielman / Editor