

NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRRC FLIGHT-LOG

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

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GENERAL MEETING

Wednesday May
18th
7: 30 PM

*GUEST
SPEAKER*

Andy Argenio

The new AMA District 1 VP will be speaking about what is going on at the AMA as well as what his hopes are for improving communications in District One. He also wants to hear about any complaints/suggestions.

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MAY RAFFLE

*1st Prize
Your Choice
Power or Glider!*



*Northeast Sailplanes
Defiant Kit
or*



Super Tiger 45 with Muffler

*2nd Prize
Cordless Soldering Iron*

and

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

President's Letter



This month I'm really at a loss for words... It's windy and rainy outside as I write. I didn't manage to do any flying during the month – spent a couple weeks on vacation, but had to do it without a plane, but there is something to be said for golfing, swimming and fishing. I think there were some good days to fly while I was away and I hope all of you got some flying in.

I have a few new or new to me planes I'm looking to get in the air. I'm in the process of recovering the Three Dee 400. I have had a bear of a time figuring out which end is up with this plane – first flight last year had the CG way too far back and bounced it into the ground. After repairs I burned out the motor (too small a brushless – I rarely make that mistake). Tried a couple of different out-runner brushless on it before I realized that the controller had been fried too – it would only partially power the motors... So when I finally got all these things right I was flying it a few weeks ago and as it flew between me and the trees at the end of Davis Field I couldn't tell which side was up (which is another way of saying I flew it into the ground. So now I have stripped the covering and will use some good contrasting colors on it.

I'm dying to put my Caleb up – I'm not sure Davis is long enough for me to land this hot-liner. I picked-up an Aveox F12 LMR and a 15x15 prop. With Tracy's help we put together a 4slp 3200 battery (the Eagle Cells 20c from Korea). You can do the math with me 14volts at 65amps is over 900 watts. I don't think I'll need much help throwing it but it may take some work to land.

The plane I'm really looking forward to flying is the Aegea Mantis. This is one of the best flying planes around – I picked mine up too late in the season last year to have it flying but in the next week or two it should be up and flying.

Well this month you heard about a couple of my planes... next month I sure hope I am writing about flying them and not just about repairing and equipping them.

Well at least the fishing was good!

*Fly safe and many happy landings,
Andrew*

Treasurer's Report

TREASURER'S REPORT Report Date 4/29/2005

Starting Balance 03/31/05	
Checking	\$6,496.26
Savings	\$948.38
Cash Box	\$25.00
PayPal Acct	\$149.30
CD Accounts	\$4,500.00
Total Starting	\$12,118.94
Income	
Indoor flying receipts, Apr.	\$125.00
Dues, Apr.	\$270.00
Interest: Savings	\$0.45
Total Income	\$395.45
Expenses	
Ken Antonellis, cool tool & raffle prize, #1426	\$114.51
MMAC, seed & Grub-x for BMFF, #1427	\$47.62
Fritz Bien, winch battery, #1429	\$128.38
Dick Williamson, Davis field summer permits, #1430	\$625.00
John Nilsson, color CRRC flyer, postage, #1431	\$82.54
Tracy Clark, newsletter & postage, Mar & Apr, #1432	\$158.00
Account Activity Fees, checking	\$11.00
Account Activity Fees, savings	\$5.00
Total Expenses	\$1,172.05
Ending Balances	
Checking	\$5,724.21
Savings	\$943.83
Cash Box	\$25.00
PayPal Acct	\$226.38
CD Accounts	\$4,500.00
Grand Total Ending 04/29/05	\$11,419.42

-Scott Anderson



APRIL GENERAL MEETING NOTES

Secretary's Report:

April 2005 General Meeting

Vice President – Jean-Pierre Riu filling in for Andrew Johnsen, who was on vacation, opened the meeting at 7:40 p.m.

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

Field Reports

Davis Field – Excellent weather over the weekend, field is in great shape.

Millis Field – Field in good shape, some members agreed to do roadwork for the entrance to the field.

Old Business

Membership:

John Nilsson Reports:

- We have 131 renew members
- 7 New members
- Total 138 members (20 behind membership of 2004)

It was decided to leave the meeting room as is until Andrew Johnsen, President shows up.

Cub Scout demonstration in Medfield is off until further notice.

John Nilsson volunteered to attend the next BOD meeting at the Sudbury Goodnow Library on April 26.

New Business

- Dick Williamson reports that Davis Field is open every Sunday through the fall. Saturday's are not available up until early June.
- Up coming events – June 11 is family day, anyone with a trainer plane willing to lend for the day will be appreciated. Tomer Jackman is coordinating the event.
- July 16 -17 ESL HLG contest at Davis Field.
- July 30 – RES contest at Davis Field.
- August 13-14 CRRC SOAR IN at Davis Field.

Raffle

- First prize went to Tracey Clark who chose the E-Flight brushless motor with 20 amp speed controller.
- Second prize went to Ross Kelly – prop balancer.

New Pilots

No new pilots this month.

Guests

- Bruce Freal – Pawtucket, R.I. Presently flying at Bridgewater would like to learn how to fly sailplanes.
- Norm Tripp – Andover, MA - Coming back to the sport after 15 years – has an Olympic II and Wingo.
- Paulo Tavares – Portugal

PROJECT NIGHT

- Tom Bauer – Dumas Hawker Hurricane – Electric conversion. Recently flew it this past weekend – flies well. Self made CD rom motor, 700 mah 2 cell LiPo.

Finished with mica film and nitrate dope. Tom used Krylon paint for a beautiful camouflage finish.

- William Reimann – Gary Jones micro disc motor BL for indoor flying – 7 grams. Also brought in a guide for lithium batteries.

Guest Speaker

Steve Young gave an interesting presentation on Glen Curtis, the inventor and famous aviator of the Curtis Jenny for World War II, the June Bug, and an avid cyclist. He was also instrumental in the development of lightweight engines and motorcycles. Steve also talked about the Curtis Museum, including the Fokker D7 and the Buckey Jung Meister.

Meeting closed at 8:25 p.m.

-Jim Otis/Sally Tamburro

Directors Meeting

Howard Hagger and Val Petrov explained the safety aspects of camera enabled pilot perspective flying. CRRC's position is that we cannot allow flying methods excluded by the AMA as this is presently.

The CRRC board will review a letter drafted by Howard and Val to be presented to the AMA by the CRRC president.

Bob Scott will be using his Bobcat to spread tailings on the entry road and to block holes in the Berm. Ken and Jeanne-Pierre will be helping out. This should be done during April.

-David Spielman

DAVIS APRIL 25TH

The season opener at Davis Field drew a huge crowd. With over 40 planes and roughly 18 pilots, the field was an exciting place to be.

I don't remember many days last year when so many people were using the field. It must have been a harsh winter.

Thermals were booming. The best thermal activity occurred before 11:00 am. When I arrived at the field, there were between 6 and 10 planes in the air. Many were gliders sailing for 10 minutes and more.



Ken Antonellis brought hot dogs for lunch. Chris Schuch indulged in a dog or two. Last week, Chris hosted lunch. Sorry Ken, Chris has more interesting serving utensils. Chris likes to serve with APC 11-6 nylon.



The usual crew of thermal sailors is seen here basking in the sun. You couldn't have picked a better spring opener.



Quite a few Mantis' made it to the field. Chris' Probe in red and yellow can be seen in the center.



Dick and Bill attended to some retriever maintenance after the line got wrapped around the pulley. It could be time to bring out some new line.

This type of weather, company and flying conditions is what makes model airplane flying, attractive to so many people.



Here's my MH32 Mantis ready to hit the sky.

-David Spielman

***Tom Bauer submitted this poem and the
FAA's
interpretation.***

Slipping the surly bonds of earth High Flight

Oh, I have slipped the surly bonds of earth
And danced the skies on laughter-silvered wings;
Sunward I've climbed, and joined the tumbling mirth
Of sun-split clouds -- and done a hundred things
You have not dreamed of -- wheeled and soared and swung
High in the sunlit silence. Hov'ring there,
I've chased the shouting wind along, and flung
My eager craft through footless halls of air.
Up, up the long, delirious burning blue,
I've topped the windswept heights with easy grace
Where never lark, or even eagle flew.
And, while with silent, lifting mind I've trod
The high untresspassed sanctity of space,
Put out my hand, and touched the face of God.

-- RCAF Flight-Lieutenant John Gillespie Magee Jr.
(1922-1941).

High Flight (FAA Supplement)

1. Pilots must insure that all surly bonds have been slipped entirely before flight is attempted.
2. During periods of severe sky dancing, crew and passengers must keep seatbelts fastened. Crew should wear shoulder belts as provided.
3. Sunward climbs must not exceed the maximum permitted aircraft ceiling.

4. Passenger aircraft are prohibited from joining the tumbling mirth.
5. Pilots flying through sun-split clouds under VFR conditions must comply with all applicable minimum clearances.
6. Do not perform these hundred things in front of Federal Aviation Administration inspectors.
7. Wheeling, soaring, and swinging will not be attempted except in aircraft rated for such activities and within utility class weight limits.
8. Be advised that sunlit silence will occur only when a major engine malfunction has occurred.
9. "Hov'ring there" will constitute a highly reliable signal that a flight emergency is imminent.
10. Forecasts of shouting winds are available from the local FSS. Encounters with unexpected shouting winds should be reported by pilots.
11. Pilots flinging eager craft through footless halls of air are reminded that they alone are responsible for maintaining separation from other eager craft.
12. Should any crewmember or passenger experience delirium while in the burning blue, submit an irregularity report upon flight termination.
13. Windswept heights will be topped by a minimum of 1,000 feet to maintain VFR minimum separations.
14. Aircraft engine ingestion of, or impact with, larks or eagles should be reported to the FAA and the appropriate aircraft maintenance facility.
15. Aircraft operating in the high untresspassed sanctity of space must remain in IFR flight regardless of meteorological conditions and visibility.
16. Pilots and passengers are reminded that opening doors or windows in order to touch the face of God may result in loss of cabin pressure.



SPRING SPORTS SCHEDULES

Keep up to date with the latest reports on availability of Davis Field. Check out the CRRC Web page and last minute schedule changes at the master schedule on: <http://www.sudburylacrosse.com/>

T-Ball will meet at Davis Field every Saturday from April 30 to June 18:

Session 1: 8:30 - 10:00

Session 2: 10:00 - 12:00

Which teams are using the field on Saturday? The soccer schedule just shows teams at 12:30, 2:00, and 3:30.

-Dick Williamson

WEDNESDAY NIGHT FLIERS

For several years, a group of CRRC flyers has gotten together on Wednesday evenings at Davis Field. When Davis has been taken over by athletics, the group has moved to Poor Farm Meadow. I was at Poor Farm Meadow last evening with Derick Veliz. When considering flying at Davis Field, check the athletic schedules. I try to send up to date information each week to the CRRC list.

-Dick Williamson

ON BOARD GPS TRACKING OVER DAVIS

Using a Garmin Foretrex 201 GPS, Jan Kanski plotted his flight with his original Mantis. The Mantis reached the elevation of 2,200 feet.

Jan says the Garmin Foretrex 201 is one cool gadget. It weighs 2.8oz and is about the size of a large RC receiver. It's waterproof and has a 15-hour internal lithium rechargeable battery. The foretrex comes with a serial cable for downloading the recordings to a PC, but it didn't come with any software.



Jan scanned the web and found software, mapping and enough information to enable him to 3D map the entire flight in an aerial photograph of Davis field.



Fritz's August flight over Davis field reaches elevations of 1800 feet.

To see how Jan linked software, hardware and mapping to produce this and other dramatic flight logging, visit Jan's web page:

http://www.jeklink.net/projects/GPS_Equipped_Radio_Controlled_Sailplane.html

-David Spielman

LAUNCHING



Arm straight, plane level, left foot on switch.



Keep arm straight throughout throw. You get a perfect Launch, by Anker Bergson.

COOL STUFF

If you want to see a hard launch and aerobatics with a camera on board, go to this web site, and hold on. The site is a frozen lake in Norway.

http://193.215.54.10/jog_rini/video/pikelaunch.wmv

WANTED

Photographers needed for the newsletter. We especially need pictures from the Bill Martin Field and road trips.

Send Pictures and a brief description to David Spielman. newsletter@charlesriverc.org

CURTIS MUSEUM

CRRCer, Bill Dimpfl built, a very fine model of the Curtis Silver Dart a few years ago. I had the pleasure of presenting this model to the Curtis Museum in Hammondsport. The curator staff was absolutely astounded at the detail and true-to-scale features incorporated by Bill.

The Curtis Museum subsequently built a special glass display case for Bill's model. Bill's model is stationed next to a full-scale Silver Dart flying replica, that's less scale than Bill's model!



Curtis Museum Entrance

The Curtis Museum is a very fine museum, a short distance from the National Soaring Museum and WWII Museum in the Elmira/Horseheads area of south-central NY State. All are good places to visit in the summertime. The Flying Aces free flight scale contest is held also in Geneseo, not that far away.

-Pete Young

WONDERING HOW AN AIRFOIL WORKS

Martin Simon's book, "Model Aircraft Aerodynamics" is a good place to start. He describes the

generation of lift, lift and drag versus angle of attack, lift polars, etc.

-Dick Williamson

FLYING LIGHTS

OK, people let's get this straight! The location of the lights actually comes from the "rules-of-the-road" at sea, as in a ship. This pre-dates aircraft. Planes just kept the same convention.

It originates from the fact that Starboard tack sailing vessels have the right-of-way over Port tack. When on starboard tack an approaching vessel (on port tack) will show its green light while visa-versa, while on port tack an approaching vessel (on starboard tack) will show its red light. Of course if you can follow that it means that the green light is on the starboard (right) side of the craft and the red light is on the port (left) side of the craft.

For further information see any Coast Pilot or Chapman, "Piloting Seamanship and Small Boat Handling."

-Alan Marshal

CRRC YAHOO GROUP

Just a reminder, the attachments are disabled for this discussion group. It's mainly to block viruses that spread through attachments, but also to keep the message size low for those who don't have broadband connections.

If you want to include a text file, simply cut the text and paste into the mail message. For photos and other files, you can upload them to the area:

<http://groups.yahoo.com/group/crrc/files/>

-Dave Walter

DAVIS FIELD UPDATE

I sent a permit application to Sudbury Park and Rec. for use of Davis Field by CRRC during the summer. The application was for exclusive use by CRRC from 10:00 am to 3:00 pm (five hours) for the following days:

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

Saturday, July 30, RES contest

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

The permit fee is \$25/hr. For the hours CRRC has requested, that works out to \$125/day. Park and Rec. has cashed my check for \$625 and returned the approved permit.

We are not asking for a permit for any other days. Park & Rec. realizes that CRRC shows up a lot when no one else has reserved the field. I have spoken with Dennis Mannone, Park & Rec. Director about this. Because we are putting up non-negligible "earnest money" for our contest weekends, he doesn't have a problem with CRRC using the field at other times on a not-to-interfere (with scheduled athletics) basis.

-Dick Williamson



Dick launches a Taboo with the infamous bending tail boom.

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

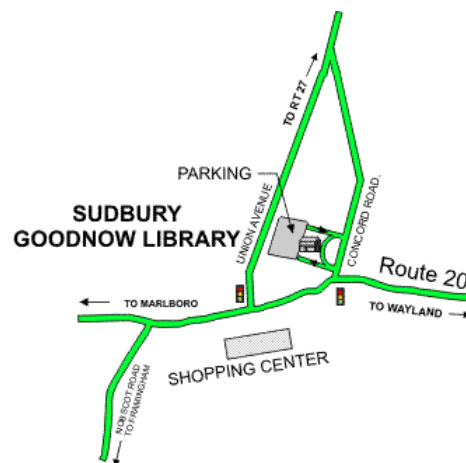
Here are the updated CRRC membership figures as of April 10th. The table summarizes the membership status, and compares recent years.

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	134	8	142

–John Nilsson

MAY DIRECTORS MEETING

The next directors meeting will be, Tuesday, May 24th at 7:30 PM, at the Sudbury Goodnow Library. All club members are invited to attend.





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*



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.

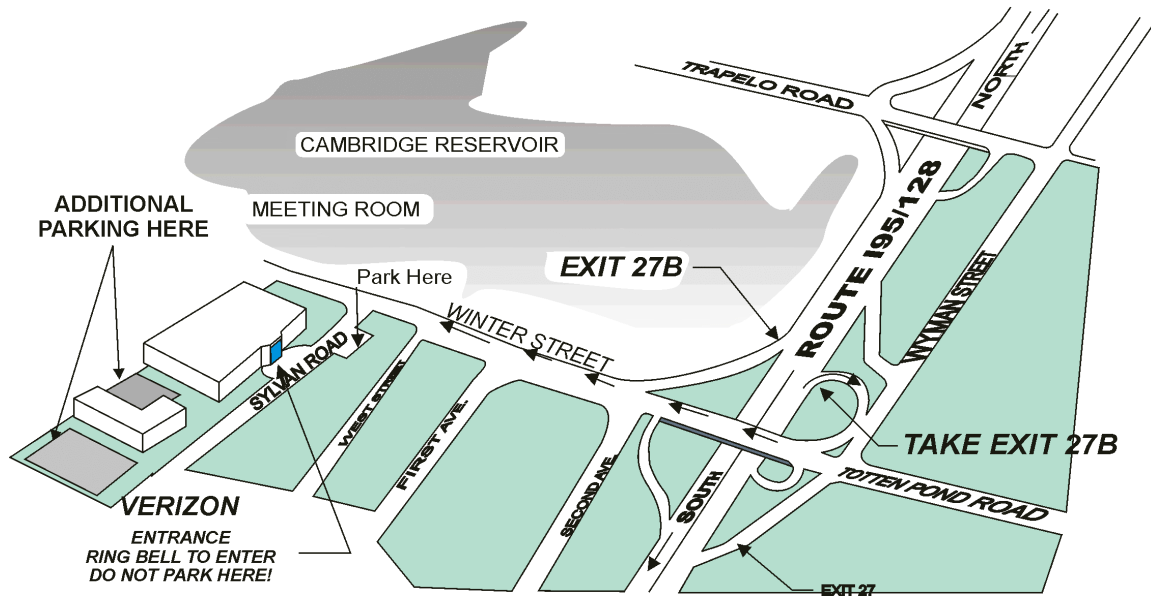
John Nilsson /Secretary CRRC
511B Ridgefield Circle
Clinton, MA 01510
Telephone 978 368-7136
E-mail: photoguy205@comcast.net

☐ 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



Jan's August flight over Davis Field

