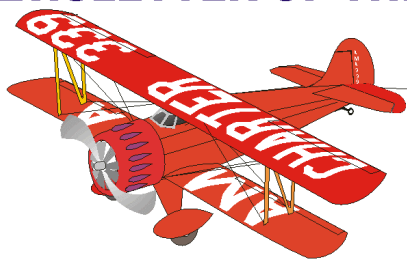


NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRRC FLIGHT-LOG

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

AMA CHARTER 339

April 2006

VOLUME 43 NUMBER 4

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GENERAL MEETING

Wednesday April
19th at 7: 30 PM

FULL SCALE AEROBATICS

Steve Pennypacker is a full-scale aerobatics pilot and member of the CRRRC. We'll be treated to a slide show presentation of Steve's contest adventures. Don't miss this meeting! See more about on page 6.



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APRIL RAFFLE

First Prize

**Your choice of
Threedee from Hobby Lobby**



or the Lark 3D from Esprit



Second Prize



**Sunbird HLG Kit donated by
Jose Bruzal**

and

WON
a
COOL TOOL

**for
Show-n-Tell**

President's Letter



Most everyone who has been to Bill Martin field in Medfield has noticed the large outcropping of rocks across the river. If you are there long enough, someone will show up on top of the cliff to take in the views of the river and the field below. I bring this up because I want to encourage anyone who has not done so to take advantage of the adjoining reservation and explore the trails. I know some of you think that you have already explored the other shore, but I'm not talking about wandering around aimlessly tripping on branches with your eyes pointed up into the trees looking for a lost plane. I'm talking about exploring as an activity in itself.

Once you cross the river you are actually in Sherborn and the 227 acres of preserved land known as Rocky Narrows. It is owned by The Trustees Of Reservations. There are 7 miles of marked trails and a canoe landing. If you are not parked at the field, there are 2 parking lots set aside for access to the trails. One is off route 27 the other is off Forest Street.

Over the past few years I have hiked the trails with my family and a couple of times, they met me at the field with sandwiches and we went up to the overlook for a picnic. It's a great way to spend time with your family or friends doing something everyone will enjoy and if you're lucky, you may even have a chance to get a few flights in.

You can find the web site for The Trustees at www.thetrustees.org and get a little history on Rocky Narrows. You can also download a detailed map showing the trails as well as elevations. The map includes the area surrounding Bill Martin Field and gives a bird's eye perspective of the area we fly in. So the next time you get a complaint that you are spending too much time flying, tell them to pack a lunch and bring comfortable shoes, you're taking them hiking (and don't forget your plane).

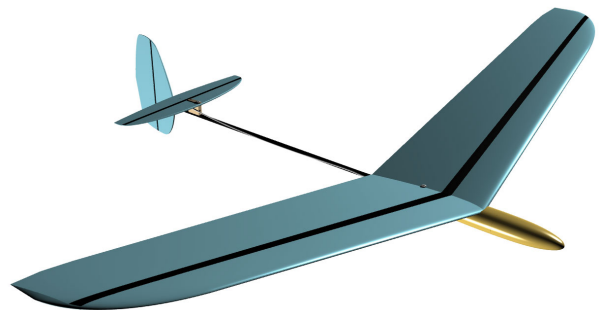
On a personal note, my 19-year-old daughter soloed (full size airplanes) this past month. She started flying lessons at the end of January and hopes to get her private pilot license this summer. I keep wondering who could possibly have gotten her interested in flying?

-JP

SECOND PRIZE DONATED BY ENDURO COMPOSITE MODELS

The April raffle second prize was donated by Jose Bruzual of Enduro Composite Models www.flyecm.com. This is an HLG designed by the Old Buzzard himself, Dave Thornburg. It's a built-up balsa T-tail polyhedral HLG, produced by Sky Bench Aerotech (www.skybench.com) It features laser cut parts and full size plan sheet.

Jose, who will be organizing the CRRC HLG contest this summer, donated this kit.



Jose's DLG, The Apogee 400 was featured in December's newsletter.

-Dave Walter

Treasurers Report

TREASURER'S REPORT

Report Date 04/08/06

Starting Balance 03/01/06	
Checking	\$2,756.67
Savings	\$2,898.78
Cash Box	\$25.00
PayPal Acct	\$0.00
CD Accounts	\$4,620.56
Total Starting	\$10,301.01
Income	
Raffle income, Mar '06	\$101.00
2006 Dues income	\$285.00
Transfer from PayPal account	\$0.00
Interest - Savings	\$1.48
Interest - CDs	\$10.43
Total Income	\$397.91
Expenses	
Newsletter expenses, check #1482	\$20.93
Cool Tools, check #1483	\$30.00
Dues overpayment refund, check #1484	\$10.00
Account fee - Savings	\$0.00
Total Expenses	\$60.93
Ending Balances	
Checking	\$3,081.74
Savings	\$2,900.26
Cash Box	\$25.00
PayPal Acct	\$33.68
CD Accounts	\$4,630.99
Grand Total Ending 03/31/06	\$10,671.67

-Jon Leehey
CRRC Treasurer

RAFFLE FIRST PRIZE FROM ESPRIT MODEL

The first place raffle prize was funded in part by Esprit Model. Esprit Models is a supplier of power, electric, soaring models and equipment. Find them on the web at www.espritmodel.com



If you recently joined CRRC you may not know that the club maintains an email list hosted by Yahoo Groups. The list is restricted to current and past club members. It is used for organizing CRRC events, announcing club business (like the monthly meeting), and general discussion of RC matters.

We invite all members to sign up for this list. To do so, you can send a message to the list moderator Dave Walter (walter "at" TopLayer.com), or visit the sign up page on the club website at http://www.charlesriverrc.org/crrc_emailist.htm.

This service allows you to tailor it to your needs. To do so, you need to establish a Yahoo account. Once you have an account, you can adjust your mail preferences to get individual messages, one bulk message once a day, or no mail at all. If you select the no mail option, you can still read the message using the Yahoo web interface at <http://groups.yahoo.com/group/crrc>. Note that even if you select the no mail option, high priority messages like meeting announcements will still be mailed to you. If you don't want to bother with the Yahoo account, send a message to Dave Walter and he can set your mail delivery option.

-Dave Walter



Photo of the Bubble Dancer from the "Alegro-Lite Group".



FEBRUARY GENERAL MEETING NOTES



Secretary's Report: General Meeting March 15, 2006

The meeting was called to order at 7:45 PM by president John-Pierre Riu. The Secretary's & Treasurer's Reports were approved as written in the newsletter.

Field Reports

Davis field has been windy and one sailplane was up and down in short order.

Medfield has a few divots missing. There will be an informal meeting at the field on Saturday the first of April. The plan is to spruce up the winter wear on the field and throw down some grass seed to repair the turf. As a follow up: It seems that as an April fool's joke the Millis club beat us to it.

Here is an excerpt from an email I received: "I really appreciate that CRRC was willing to do the work...but with such a nice day yesterday, Bill Costello and Dave Seale were chomping at the bit to start the process and were happy to do the job. It's still too early to seed." "The fencing has been repaired; the tufts of grass removed and all the divots have been filled and tamped. The area in general has been policed. Ed Hinkley has been contacted and is all set to cut the grass again this season. And rolling will be done as soon as Vinny/Bill C can make the arrangement." Many thanks to the Millis club!

Ken Antonellis has the new keys for the gate or they will be available at Alex's Hobby Shop in Belmont.

Old Business

John Nilsson on membership. 92 members. Membership renewal will

cost an additional \$5.00 now that the early bird membership special has expired. The signup rate continues to lag previous years.

New Business

Spring is here and with the warm weather I'm sure we have lots of prospective students itching to begin training. From Jeremy Harkin, the new chief instructor this year; there are a couple of issues to bring up with the group. The first is the subject of Buddy Boxes. Right now the club inventory of buddy boxes is zero. We need at least one each JR and Futaba/Hitec for loaning out. Does anyone have any old boxes they would be willing to donate? Any old TX with a trainer cord port that is no longer used is a candidate. Please bring donations to the next meeting.

If you are interested in instructing, but not yet listed on the instructor list in the newsletter, please let Jeremy know. Existing instructors will be contacted to confirm contact details and availability. Wednesday is training night and Jeremy will be organizing the Medfield open training evening with the Millis folks starting probably around the first of May. Glider/Electric instructors - let Jeremy know if you would like to setup a similar program at Davis. (I believe there already is unofficially).

New Pilots

There were no new pilots and no solo flights

Guests

Mike Ramnarine is returning to RC aircraft after 20 years.

Dave Beach from Amherst, NH. Interested in Gliders.

Istvan Sleder from North Billerica also interested in Soaring.

Steven Deroche is getting into RC flying with a Firebird Commander

Raffle



The first prizewinner was Istvan Sledr who chose the Super Chipmunk kit.

Jim Otis won the second prize, a WWII Hellcat. Rick Pendzick won the Cool Tool winner, for show and tell.

Show & Tell



David Spielman showed his Mantis. This was built from parts from several sources. First flight will be soon.

Tracy Clark shows his Hobie Hawk restoration project.





Rick Pendzick showed us a Piper Cub he just built. He needed to build smaller planes to fit into his smaller living quarters. He built it with white glue and water based paints to minimize odors.



John Weigel showed a number of modifications he made to a previously fuel powered plane modified for electric flight. He has performed extensive modifications on the airframe and wing.



Dave Beach brought in a slope plane, which was identified as a Frank Weston plane.



Ken Antonellis brought in a plane purchased last November at the club auction. It is a 9 oz. electric that he converted to Li-poly power and saved 10% on the weight. Should be a floater.



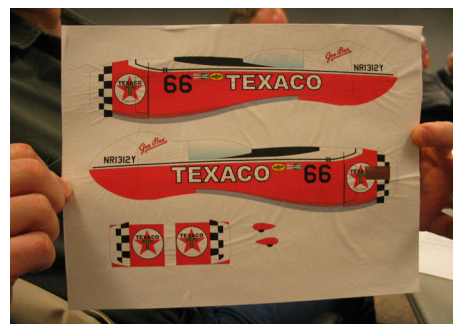
Tony Davids brought in a Robart Super Stand. He also brought in a Futaba GV1 helicopter motor governor to stabilize rotor speed in extreme maneuvers.

Guest Speaker

The guest speaker was member Gordon Johnson. Gordon started off with the admission that would probably apply to a majority of the CRRC members. That is "I guess I have too many planes". What he had with him were two plastic cases approximately 3'x1'x6" high. These two cases held eight beautiful scale and fun scale RC micro flyers. These included planes with both profile and built up fuselages.



It was obvious that Gordon is a consummate builder. He shared several building and covering hints with our group. Many of the planes had graphics and paint schemes printed on tissue with an inkjet printer.



The first plane shown was a P-Stick Mite. This was outfitted with a Plantico radio and was flown for several circuits of the meeting room. He also showed an as of yet, unflown, twelve gram, dual engine, P-38 Lightning.



Gordon is a member of the Boston Micronauts. A group of flyers dedicated to the premise that smaller is better. He also provided a handout listing a half-dozen websites dedicated to micro flying. If you are interested in building and flying very small planes speak with Gordon Johnson.

-Lee Arnold



UPCOMING EVENTS



APRIL GUEST SPEAKER STEVE PENNYPACKER



Steve's performing a Hammerhead

I don't remember a time when flying, tail draggers, and acro weren't in my blood. It might be more accurate to say they ARE my blood. I grew up going to Rhinebeck and saw some key events in their history, did R/C in high school and college, and sold my stuff for flight lessons after college. But I couldn't shake the acro bug and got rather heavily into it at the full scale level, running the New England Aerobatic Championships contest at Orange, MA for several years, and running the New England Aerobatic Club for a few years too.



Kirby Chamblis's Edge 540. Kirby is one of the top aerobatic pilots in the world.

Sold my Pitts 2 years ago (flying an unheated, unstable & blind biplane through the White Mountains to Canada in snow is a treat everyone should try at least once... NOT.), and now scratch building a 69" Oracle Challenger which at the current rate will be done in approximately 14 years if I can get more time to spend on it.



Steve with Sean Tucker (called the greatest civilian aerobatic pilot) and Neville Hogan. Neville is a fellow chapter member of Steve's

-Steve Pennypacker



DAVIS FIELD UPDATE

On Tuesday 4/4, Sudbury Town Meeting passed Article 44 which provides \$960,000 for upgrade of the athletic fields at Lincoln-Sudbury Regional High School LSRHS. The plan is to provide a high-quality sports complex at the high school that can be shared with Town of Sudbury youth sports programs. An additional \$350,000 for the sports complex will come from LSRHS funds and from contributions from user groups.

Because of previous investments by LSRHS and Sudbury Park & Rec. in new athletic fields, especially artificial turf fields, all lacrosse activities and most soccer activities have moved off of Davis Field.

Major work on the fields at the middle school has allowed the T-Ball program to move back to the middle school. Bruce Schneider and I have had conversations with Steve Pace, head of the Pop Warner program. Pop Warner Football plans to move off Davis Field as soon as possible. That move may occur this fall, but depends on progress on the LSRHS fields. Sudbury Park & Recreation will award contracts for the work ASAP. It remains to be seen whether sufficient work will be completed by fall to allow Pop Warner to move its activities.

You may recall that one previous plan was for a major investment in Davis Field that was to be the premier sports complex for Sudbury. This plan did not bode well for CRRC's use of Davis Field. Two things happened. The first was the realization that wetlands and drainage issues would severely restrict the area that could be developed. The second factor was the realization that upgrading the existing sports complex at LSRHS would be more cost effective than spending money at Davis Field.

In a conversation that I had with Dennis Mannone, Director of Sudbury Park & Recreation, he noted that

the current plan should provide CRRC with an excellent place to fly for the next several years. The long-term future depends on how much youth sports programs will continue to grow and how the Town of Sudbury will utilize two new large open areas that will become available in the near future. These new areas are the large, nearly played out, town-owned gravel pit on the north side of Route 117 and a large farm south of Route 20 and east of Nobscot Rd. that was recently acquired as open space. Another article passed at Town Meeting was for funds to plan the future use of these properties. One prominent potential use is for more athletic fields.

-Dick Williamson

Davis field is ready for your flying fun, freshly cleaned and upgraded with a new fence to keep cars off the field. Come down and join us for electric, hand launch and sailplane flying. Guests are invited to help or just watch the fun. We fly every Sunday morning.



Larry Wetmore launches his OlyII 100" sailplane.

CRRCs Sudbury residents invite you to enjoy Davis field.

-David Spielman, Sudbury, MA

DISCOUNT LIPO BATTERIES

My name is Mike Kommel, and as the owner of Common Sense RC, a manufacturer of Lithium Polymer batteries, I want to extend a special offer to CRRC. A special code provided to your club president guarantees a 10% discount on all of your group's orders from www.CommonSenseRC.com.



For the first five of your members to sign up and make a purchase, we're going to offer an additional 5% off their first purchase and free shipping to anywhere in the Continental United States.

Additionally, we're offering you and your group a bonus incentive. Once your group's total sales pass \$1,000, we'll send your club a \$100 Gift Certificate good for any product in our online store to put towards your club or organization. A perfect raffle prize!

DISCOUNT CODES

Group Discount Code: **CRRC**

Entered during registration in the "Registration Group" field.

Bonus Discount coupon: **CRRCFIRST5**

Entered at checkout.

If you have any questions, feel free to give us a call with any questions, Toll Free at (877) 709-3835.

Happy Flying! Mike Kommel

RENEW YOUR 2006 MEMBERSHIP TODAY!

Sign up and support your club. Early renewal helps keep us strong. Use PayPal or check when renewing your membership.



WHAT SIZE MOTOR?

I'm powering the Switchback. It calls for a GWS EPS 300c-c. I am going to use a brushless motor. For an acrobatic plane what is the rule of thumb for power? It should be about 9 oz?



The rough estimation rule-of-thumb, attributed to Keith Shaw and Bob Boucher among others, is 50 watts/lb gives sedate sport performance; 100 watts/lb gives mild aerobatics; and 150+ watts/lb gives unlimited vertical performance. Obviously this has to be used with some judgment as this isn't a perfect predictive method but it will get you close.

So we if use your plane's 9 oz RTF weight (0.56 lb), 56 watts would be good for mild aerobatics. With a 3 cell LiPo (11.1 volts), you'd be drawing 5 amps max to get this energy level; with a 2 cell LiPo (7.4 volts), about 7.5 amps.

Recently posted on the Yahoo group page.

-Pete Young and Andrew Johnsen

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@yahoo.com
 (781-894-6683)

POWER:

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

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		

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

HELICOPTERS:

Tony Davids	Stow	978-568-9598
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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]

you. Ken Antonellis is the keymaster. Try kxa@verizon.net. Alex of Alex's RC in Belmont also has keys. Show him a club badge to get the key.

MEMBERSHIP

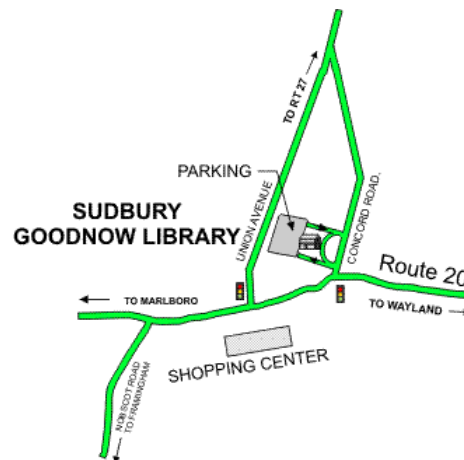
Here are the updated CRRC membership figures for 2006. The table summarizes the membership status from 1999 through current month, 2006.

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	101	7	108

-John Nilsson

APRIL DIRECTORS MEETING

The next directors meeting will be, Tuesday, April 25th at 7:30 PM, at the Sudbury Goodnow Library. All club members are invited to attend.



KEY INSTRUCTIONS

2006 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



THE CHARLES RIVER RADIO CONTROLLERS, INC

2006 MEMBERSHIP APPLICATION

AMA Charter 339

THIS FORM EXPIRES ON MARCH 1ST 2007!

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)

Make Checks Payable to:
Charles River RC

MEMBERSHIP CATAGORY	Rates as of March 1, 2006
☐ OPEN Member	\$40.00
☐ JUNIOR member, (under 19 before 7-1)	\$1.00
☐ 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

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

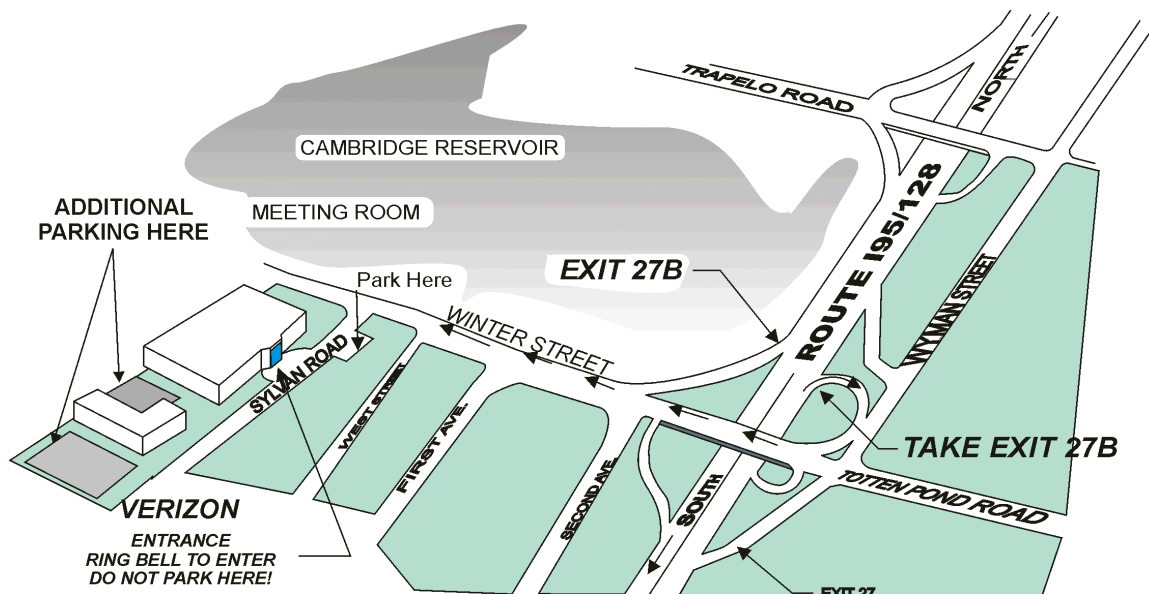
- ☐ I DO NOT want my address to appear in the club phone book

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

To receive your newsletter by us mail, please contact Tomer Jackman, newsletter circulation 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.

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



The Charles River Radio Controllers meets the third Wednesday of each month at Verizon Labs on Sylvan Road in Waltham Mass. Look for the Newsletter announcement one week before the meeting.

Event Calendar

Saturday June 11, 2006 - CRRC Family Fun-Fly and Picnic. Bring your family for flying, fun and food! Takes place at the Bill Martin Field in Medfield. Contacts: Tomer Jackman and Jean Pierre Riu

Saturday and Sunday, July 15 and 16, 2006 - CRRC/ESL Hand Launch Classic HLG Contest. Takes place at Davis field. CD: Jose Bruzual (jebnet@bruzual.com) 518-798-1321. Novice and expert groups will have separate competition. Workshops will be offered at the contest. A contest participant only raffle will have some super prizes including several competition class DLGs. This is an excellent contest for all, so start building!

Saturday and Sunday, July 29 and 30, 2006 - Annual RES contest! Takes place at Davis field. Lunch and refreshments served. CD's: Tracy Clark and Dick Williamson. This contest is a great way to meet and compete with fliers from around the area. First and second year fliers should consider getting their feet wet at this contest.

Saturday and Sunday, August 12 and 13, 2006 – Annual CRRC/ESL Open Class Soar-In. Takes place at Davis field. CD's: John Nilsson and Anker Berg-Sonne. Join the Eastern Soaring league at www.flyesl.com and sign up for this contest. World-class fliers from around the East coast will be here to compete. Sportsman and Expert classes will be ranked separately, so novices are encouraged to enter.



David Spielman / Editor