



AMA CHARTER 339

AUGUST 2004

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williamson@ll.mit.edu

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scottand100@copper.net

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978-266-1739

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508-653-3560

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General Meeting

Wednesday,

August 18th

7:30 pm

Verizon Labs

Sylvan Road, Waltham

Exit 27b off I95/128

Entertainment



**Slideshow
by Jeremy Harkin**

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July Raffle Prize

1st-prize



**The Global Right Flyer 40T
Mk. II Aircraft Trainer!**

2nd-prize



**Watt-Age Sopwith Camel
Biplane (Slow Flyer)!**

3rd-prize



**The Clancy Lady Bug
Park Flyer Laser Cut Kit!**

WON
a
COOL TOOL
for
Show-n-Tell

President's Message

June 2004 BOD Meeting



Well now that the dog days of summer are here, it is time to go flying and stay away from working! I will try not to solicit volunteers for work this month and many of you have already "stepped up to the plate" to make the workload lighter.

Tracey, Mark and Les did a wonderful job at the recent R.E.S. and hand launch contests. I think everyone had

lots of fun. I saw many other pitch in to help out.

At this writing, we are preparing for the Soar-In and with lots of help, it is going smoothly. Thanks to David Spielman who is taking care of Sunday lunch duty!!

Woodsom Farm Festival is coming up on September 18. I mentioned that I would not try for volunteers but I lied. We need someone to coordinate. I tried the Cape Ann r/c and Northeast R/c and they could not talk anyone into it so can someone help out?

In any event, I am sure we will manage. By the way look at those extra R/C items in your basement the annual auction is coming up November 14. See you at the field!!

- Ken Antonellis

MEMBERSHIP STATISTICS

Here are the updated CRRC membership figures. We are still waiting for 55 of last year's members to renew.

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	154	26	180

On the subject of high altitude model flying, Ken Antonellis has corresponded with Carl Maroney at the AMA, who says the AMA is trying to clarify the altitude restrictions for model aircraft with the FAA. Currently, the only FAA guideline specifies that model aircraft should not fly higher than 400 feet above the ground. Clearly, we fly models higher than that and the AMA is aware of this, so the issue remains murky. However, it is clear that RC models must be flown within visual range.

Several members noted that the newsletter did not arrive before the general meeting. Since many people depend on it to remind them of the upcoming meeting, the BOD determined that the newsletter should arrive at members mailboxes the weekend before the general meeting.

The Woodsom Farm flyin still needs a volunteer to CD it. It is scheduled for September 18.

Dick Williamson decided to combine the membership list with the rule book (as it was done in the past) and will soon mail it to the membership.

Regarding club flying rules for Medfield, Jon Leehey raised the question of how many planes are allowed in the air at one time. He suggested that 4 is a good number, but that non-powered gliders should not be included in the count. This is still up for discussion.

Jon Leehey and Scott Anderson volunteered to help run the auction in November.

Joel Foner demonstrated a draft of a next generation CRRC web site. It not only updates the look of the site, it adds some very nice interactive features such as the ability to submit event reports online. It's not ready for prime time yet, but it looks very impressive.

Entertainment: For the August meeting, Jeremy Harkin will present slides from his trip to Oshkosh. John Smith is a possibility for future meetings. He can talk about airplane kitting or give a Monokote covering demo. And Pete Reed has agreed to do a talk on pylon racing in the near future.

Raffle: Derick Veliz is open to suggestions. (XP4 from Polecat Aero?) (Beginner park flyer?)

Recorded by Dave Walter

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. For directions to the fields go to <http://www.charlesriverrc.org>. If you have any questions about the construction of your airplane, or want to have an experienced pilot preflight check your airplane before heading to the flying field, then call any of the building instructors.

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

ELECTRICS

Bruce Schneider

Hudson 978-562-9900

Fritz Bien

Concord 978-369-1720

Dave Walter

Hudson 978-562-5400

Derick Veliz

Acton 978-266-1739

Pete Young

Watertown 617 923-4184

Lincoln Ross

Waltham 781-891-0332

HELICOPTERS:

- None Available at present-

POWER

Chief Instructor

Ruane Crummett

Wayland 508-655-2234

Bob Scott

Norwell 781-982-0268

Pete Young

Watertown 617 923-4184

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

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) 653-8369.

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)

TREASURER'S REPORT

Report Date 7/30/04

Starting Balance 5/28/04	
Checking	\$9,565.47
Savings	\$993.47
Cash Box	\$25.00
PayPal Acct	\$5.22
Total Starting	\$10,589.16
Income	
Dues, (May/June)	\$480.00
Return of Senior Rebate check	\$20.00
Interest: Savings	\$0.54
Total Income	\$500.54
Expenses	
MMAC -1/2 field lock repair #1374	\$14.71
Fritz Bien -CD App (RES), line, flyer #1375	\$162.98
Monthly Bank Fees	\$5.00
Total Expenses	\$182.69
Ending Balances	
Checking	\$9,887.78
Savings	\$989.01
Cash Box	\$25.00
PayPal Acct	\$5.22
Grand Total Ending 6/30/04	\$10,907.01

- Scott Anderson



Secretary's Report: June 2004 General Meeting

With Club President Ken Antonellis out of town, Vice President Jeremy Harkin brought the meeting to order promptly at 7:44 PM. The Secretary's Report and Treasurer's Report were approved, in a near record 15 seconds, as printed in the July newsletter.

Field Reports

Davis Field, Sudbury

The field is in excellent condition. Football activities will commence in August, but only on Tuesday through Thursday.

Bill Martin Field, Medfield

The flying field was recently treated with lime. It is in very good condition.

Old Business

The Collings Estate fly-in on Saturday June 19 was quite successful. Gliders, electrics, and glow power were all represented, and Mitch Buckley put on a demonstration of scale aerobatics. Many spectators stopped to watch the show. We thank Tony Davids for organizing this event.

Tracy Clark reported that in spite of dire weather forecasts, the RES contest went off just beautifully on July 17. Twenty-seven pilots flew 7 rounds in two classes, 2 Meter and Open. The local media arrived to take pictures and conduct interviews, and a feature story appeared in the newspaper the next day.

The day after the RES contest, Mark Drela hosted the HLG competition. Thirteen pilots spun and hurled gliders like whirling dervishes under the hot summer sun.



Competitors were split evenly between Sportsman and Expert class. Flying conditions varied during the event, testing the pilots' flying skills (and arm muscles).

Mitch Buckley gave us a quick rundown on the New England Scale Qualifier. Jason Shulman was 1st in Fun Scale with his Spitfire, Mitch won Expert with his P-47, and Ruane Crummett took the top spot in Sportsman class flying his Cub. Mitch also returned the \$600 loaned by the club to help stage the event.

New Business

John Nilsson and Dave Walter announced the need for helpers to run the upcoming Soar-in on August 7 and 8.

Tomer Jackman volunteered to attend the next two BOD meetings.

Dick Williamson reported that we now have 176 active members.

Jeremy noted that the BOD has been investigating the guidelines surrounding high altitude RC flights. The only hard rules are 1. the aircraft must be visible to the unaided eye, and 2. RC aircraft must fly no higher than 400 feet within 3 miles of an airport.

Visitors to the monthly meeting included the following:

- Mike Corkery – Flew many years ago, now building a Tower 40 trainer
- Will Neils – Getting back into the hobby, has a 40 size trainer

Raffle

- 1st Prize – Ruane Crummett – Hitec Superslim 8 Ch receiver with 2 HS-81 servos
- 2nd Prize – Homer Eckhardt – Graupner Tipsy park flyer
- 3rd Prize – Tony Davids – Cool tool



Show-N-Tell

- Mark Drela – Supra sailplane. F3J fuse, pylon mount wing, 134" span weighing just 48 oz.
- Tony Davids – Foamy Factor Yak 54 profile electric. Constructed of 6mm Depron and colored packing tape. Scratch built from plans.
- Tomer Jackman – Graupner Terry, modified to breakdown and fit in a suitcase. Speed 400, 6V system. He took it to the Middle East.
- Les Gerhardt – Interesting building materials found during a hospital visit: moldable thermoplastic and 6 mil rubber.
- Lou Plavidal – Starduster-X 1/2A free flight. Lou is looking for a suitable site to fly it.
- Jeff Newcum – Mantis fuselage constructed by Terry Luckenbach from woven carbon fiber and Kevlar.
- Derick Veliz – Cap-232 electric from Stevens Aero. Laser cut parts, 55" span, very light.
- Jeremy Harkin – Top Flite Contender fitted with OS 91. 6.5 lbs.
- John Pickle – IFO indoor flyer, needs some construction help.

Entertainment

Jeremy played the Redline Sky video from Radio/Carbon Art. Extreme pilot Manfred Radius demonstrates full scale aerobatic soaring in a Salto. With a smoke system installed on the wing tips, the graceful routine was performed to classical music, capped by an inverted ribbon cut at the end. The same pilot installed flares on the wing tips for a night time pyrotechnic demo.

Recorded by Dave Walter



04 Soar-in

ESL

The CRRC Soar-In, which is the northern-most contest in the ESL circuit, was held in absolutely gorgeous weather this past weekend. Saturday we had 30 contestants and Sunday we had a slightly smaller showing with 26 pilots.

Saturday's weather started out as some of the best soaring conditions I have ever seen. Booming thermals with smooth air between them. There must have been down air somewhere, but we saw very little of it. Our CD, Dave Walter, started off with 3 rounds of 8 minutes and 1 round of 5 minutes, taken in any order you wanted. Landing were standard 100 point, 12 foot graduated landing tapes. Flyers were broken into 4 flight groups, each with a 10 minute launch

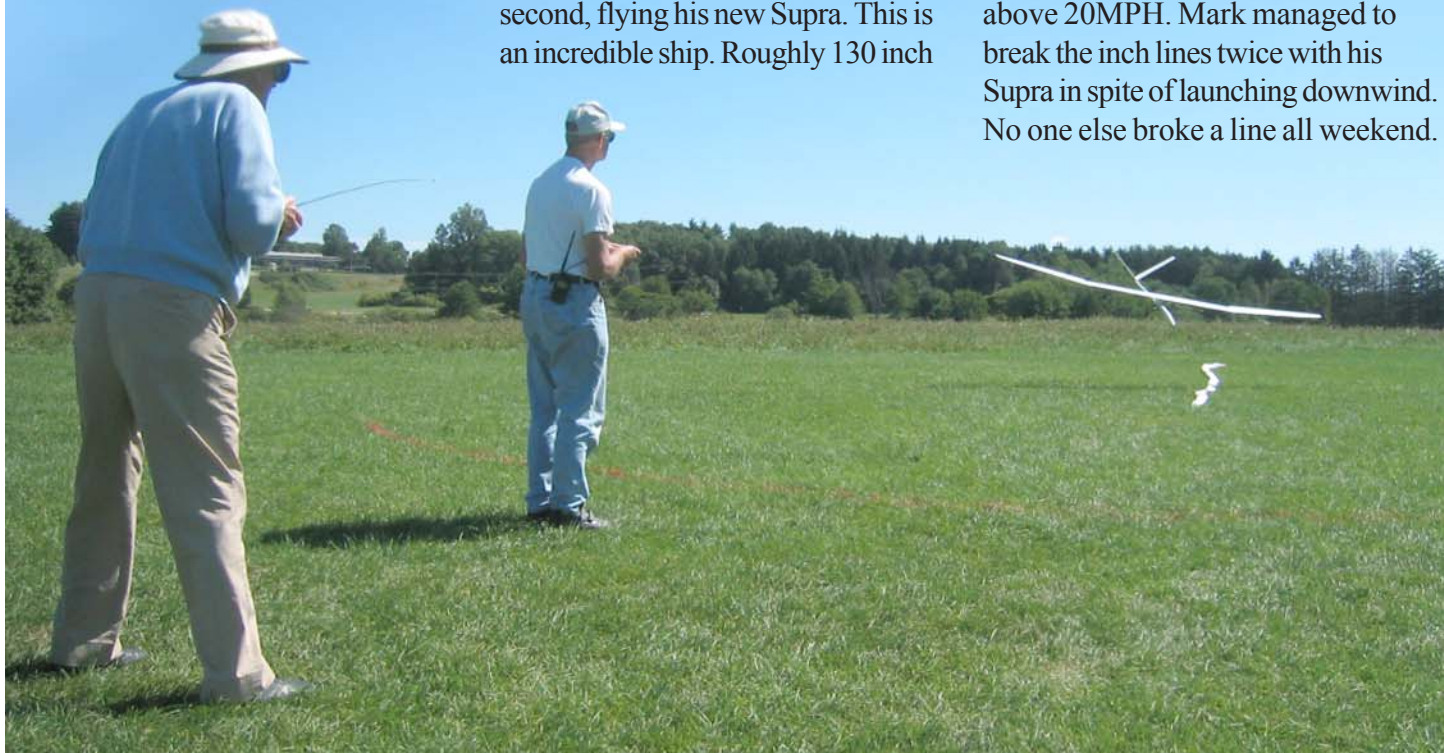
window. Launches were down-wind with a 6 to 10 mph breeze, but didn't seem to hurt anybody. By the time we broke for lunch you could have all your times, just missed two landings, and ended up in the bottom half of the pack.

The afternoon looked the same, but the lift had departed for some other county, and now you had to fly as smoothly as you possibly could to try to make the 8 minute tasks. Dave finally decided to make the last round a 6 minute task because almost nobody was making their times.

The day was won by smooth flyers with light airplanes. Jan Kansky took 1st in expert, helped by his original MH32 Mantis. Mark Drela was second, flying his new Supra. This is an incredible ship. Roughly 130 inch

wingspan, full-house glider weighing 48 oz! Third was Jose Bruzual. 4th overall and 1st Sportsman was Miner Crary. 2nd Sportsman was Jeff Newcum and 3rd was Bruce Schneider. A sweep by the CRRC membership!

Sunday the wind was a bit stronger, still downwind launches, and fairly touch conditions all day. Right from the first flight the sir was very bumpy, with strong thermals and killer sink in between. I made the mistake of ballasting up one round and found that I couldn't core the small thermals. The rest of the day I flew unballasted. Mark flew all day with no ballast in his Supra. Apparently is does no make sense to ballast an Aegea or a Supra unless the wind is above 20MPH. Mark managed to break the inch lines twice with his Supra in spite of launching downwind. No one else broke a line all weekend.



John Nilsson, who CD'd Sunday, decided on exactly the same format as Saturday with 3 8s and a 5 in any order, followed by all 8s. At the end of the day Mark Drela had buried everybody and took 1st in Expert. Fritz Bien was close on his heels and took 2nd and Paul Bell from LISF broke the CRRC stranglehold on wood with a 3rd place. Again, the 4th place overall was an impressive

over 200 feet of cable is significant, even with the very heavy cable we use. Smaller gauge cable drops the voltage enough to make the battery chargers relatively ineffective.

Lunch was a cold cuts and rolls, with a liberal supply of cold water and soft drinks.

- Anker Berg-Sonne



Stuart Strong, showing us it can still be done at 80, nails a 100 point landing. Stuart ended up taking 1st in Sportsman on Sunday.

performance by a Sportsman, Stuart Strong, even more impressive if you consider that Stuart is over 80 years old. 2nd Sportsman was Miner Crary in 5th overall and 3rd Sportsman was Jeff Newcum, who was 6th overall. We clearly have some Sportsmen living on borrowed time before getting promoted to Expert.

Both days the equipment performed extremely well. We not have 10 gauge wire running all the way from out 4KW generator to the winches and there was not a single tired battery all weekend. For kicks, John measured the voltage drop from the generator to the winch chargers. It dropped from 129 volts to 118, so the voltage drop



Tomer Jackman and his scratch built RES



Chris Schuch and Lincoln Ross return from another successful flight and landing. Unfortunately, the Sagitta was lost later that day in sink.



Right: Stuart Strong accepting his first place plaque in sportsman. Above: Anker Berg-Sonne launching his X-tail Mantis. **Below:** Dave Marshall and Les Gerhardt scored the entire weekend. Thanks a lot guys! **Lower Right:** CD Dave Walter explains boundaries and the timing for the rounds.





The Charles River Radio Controllers, Inc.

ama charter 339

2004 MEMBERSHIP APPLICATION

Name _____

AMA No. _____

Street _____ Birth Date (AMA req'd) _____

Town _____ State _____ Zip _____ Tel. _____

E-mail _____

Channel Number(s) _____

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 **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

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

OPEN Member	\$35.00
JUNIOR member, (under 19 before 7-1)	\$20.00
SENIOR member, (if age 60 before 7-1)	\$25.00
full time STUDENT	\$20.00
Family member additional to OPEN membership	\$20.00

I'M INTERESTED IN THE FOLLOWING:

☐ TRAINERS/SPORT PLANES

☐ ELECTRICS

☐ PATTERN

☐ GLIDERS

☐ HELICOPTERS

☐ RACING

☐ INDOOR/PARK FLYERS

☐ SCALE

☐ GIANT SCALE

☐ OTHER (specify) _____

A BIG Thanks!

I would like to add a few words to Anker's fine report on the Soar-in. This year the proceedings went off exceptionally smoothly, and while we were certainly blessed with unusually beautiful weather, I think it was the dedicated helpers that really made it all work.

Kenny Antonellis and David Spielman provided us with lunch and drinks. Dave Marshall once again ran the scoring program, assisted by Les Gerhardt. Manning the winches and retrievers were Tomer Jackman, Warren Hopkins, Bob Burrier, and those wild and crazy guys from Denmark, Peder and Niels Berg-Sonne.

Tracy Clark tended to publicity, getting the event listed in the local papers, and Dick Williamson kept the spectators entertained and informed. Anker Berg-Sonne showed up with the all important generator and scoring computer, while CD John Nilsson woke us all up with coffee and donuts. And of course, Fritz contributed equipment, fresh winch line, and immeasurable experience.

Many others lent a hand during the competition, to the point where it virtually ran itself. Thanks to all and see you next year!

Dave Walter

DAY ONE

Tony Guide
4th place Expert
Jose Bruzual
3rd place Expert
Mark Drela
2nd place Expert
Jan Kansky
1st place Expert

Ron Cichowski
4th place Sportsman
Bruce Schneider
3rd place Sportsman
Jeff Newcum
2nd place Sportsman
Miner Cray
1st place Sportsman

DAY TWO

Bruce Schneider
4th place Sportsman
John Nilsson
4th place Expert
Jeff Newcum
3rd place Sportsman
Paul Bell
3rd place Expert

Miner Cray
2nd place Sportsman
Fritz Bien
2nd place Expert
Stuart Strong
1st place Sportsman
Mark Drela
1st place Expert and two day winner



July CRRC Meeting Pictures

photos by Jeff Newcum



Tony Davids and
his YAK-54



Tomer Jackman and
his travelling Terry



Les Gerhardt and his
medical supplies



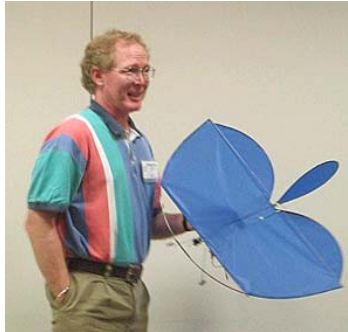
Lou Plavidal and his
Starduster-X 1/2A



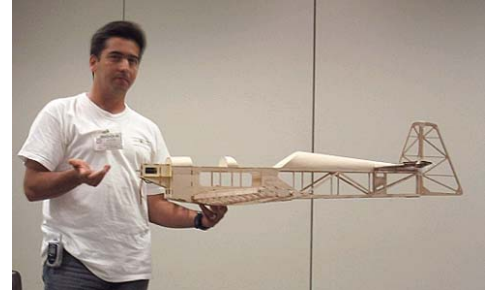
Mark Drela and
his Supra



Jeremy Harking and his
Top Flite Contender



John Pickle and
his Wild R/C IFO-T



Derick Veliz and his
Stevens Aero Cap 233



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