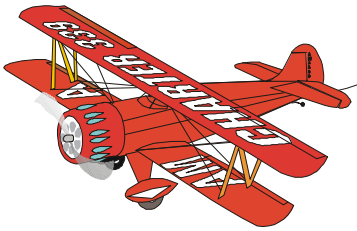
NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRC FLIGHT-LOG

http://www.charlesriverrc.org/

AMA CHARTER 339 June 1999 Volume 35 Number 6

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TABLE OF CONTENTS

Treasurer's rep. ***Don Black*** ... 2
Prexy's Message ***Bill Dimpfl*** ... 2
May Meeting ***Glenn Schrader*** ... 3
May Board Meeting location ... 3
CRRC Video Library ... 4
New things on the web ... 4
Heard and seen at the fields ... 5
Calendar of events ... 6
CRRC Instructors ... 7
New Plane check-out ... 8
CRRC Pin Specification ... 9

JUNE MEETING:

7:30 PM
JUNE 16th at
GTE Laboratories

Feature:

Free-Flight Scale Models and the Women Who Love Them

Chris Parent

Chris is a master builder and great lover of free-flight scale airplanes. His planes are often shown both in magazines and on the Internet. What makes his planes so special is that they fly well as well as looking super. He claims to have come to one of our Soar-Ins when he was a kid, but we all know no master builder like that could ever have been a kid.

Come and learn how he makes such beautiful planes that can also fly so well.

June Raffle

1. 8-channel FMA 2000 receiver
2. Digital Mini-Tachometer
3. Gallon of fuel

RAFFLE INFORMATION:
Raffle tickets are $1.00 each and 3 for $2.00. To encourage people identifying themselves, a free ticket is given to anyone wearing a nametag. An extra ticket is also given to anyone who brings in a Show-and- Tell.

TREASURER'S REPORT

Don Black



REPORT DATE **6/2/99**

STARTING BALANCE		
Checkbook Balance (after check #1066)		$1,300.12
Savings Account Balance		$4,424.02
Cash		$33.80
Total Starting Balance		**$5,757.94**
INCOME		
Raffle	($103 collected but not deposited)	
Key Deposit		$25.00
Dues, Checks		$275.00
Misc.		
Savings Account Interest April		$9.44
Total Income		**$309.44**

EXPENSES

ITEM	CHECK	RECIPIENT	
Bank Maintenance Charge for April			$9.00
Newsletter	1067	F. Bien	$106.51
Key Purchase	1068	K. Antonellis	$34.39
Auction Hall Deposit	1069	Natick VFW	$50.00
AMA Renewal	1070	Jan Kansky	$115.00
Total Expenses			**($314.90)**
TREASURY BALANCE			**$5,752.48**

RECONCILIATION	
Checkbook Balance (after check 1070)	$1,285.22
Savings Account Balance	$4,433.46
Cash	$33.80
Total Ending Balance	**$5,752.48**

Signature: *Don A. Black*

Jan Kansky has found a great soaring site for SE winds. (On Mt. Watatick west of Rt 495)
Check our web-site for the exact location.

PRESIDENT'S COLUMN

Bill Dimpfl

Bill is taking a vacation to paint his house.
Possible color scheme?



GENERAL MEETING

May 19, 1999

The start of the meeting was delayed due to a mix-up with the new security staff at GTE. Apparently, they were never told about our meetings so they weren't prepared for our presence.

Bill Dimpfl opened the meeting at 7:50 PM with the acceptance of the
secretary and treasurer's reports.

FIELD REPORT:

The clean-up day at Medfield was a success.

Davis is in good shape and is OK for hi-starts. Some intermittent interference has been reported on **Channel 48**.

There was no report on Callahan.

OLD BUSINESS:

The last scheduled indoor fly-in at the Sudbury high school has been completed. There were a couple of indoors RC airplanes and a bunch of free-flight. *(Two dates have been gotten in the Fall. Check the calendar section of the newsletter for dates-ed.)*

NEW BUSINESS:

The Northeast Scale Championships will be held Jun 26 and 27. This event is partially sponsored by CRRC.

The business portion of the meeting was closed at 8:12 PM.

SHOW AND TELL:

Pete Young had a 1/2-scale dory (dory as in small sailboat).

Fritz Bien had a 2-channel 0.020-powered Guillows Nieuport 11.

Mike Cormier had his Terminator.

Ben Schrader had an Air Hog powered with a compressed air engine.

Brian Granahan had a Hobbico Super Star 40 for an OS LA40 for power.

Pete Young had a laser cut 3 meter Majestic.

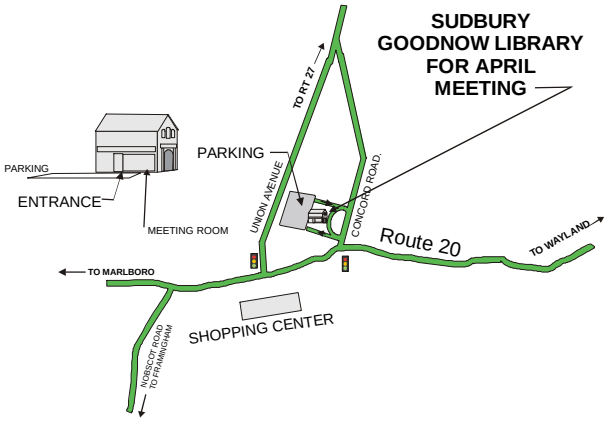
Joel Foner showed a helicopter videotape which had some examples
of '3D' flying.

ENTERTAINMENT:

The entertainment for the evening was ***Anthony Lorusso*** and ***Paul DeBitetto*** from the MIT Charles Start Draper Labs. They showed some viewgraphs and videotape for an autonomous helicopter which they are developing. The result of their efforts is truly impressive. Working on this project had to have been an absolutely fascinating.

June BOARD OF DIRECTORS MEETING

The June Board of Directors meeting will be held at the ***SUDBURY*** Library. This meeting is scheduled for **Tuesday** June 22nd at 7:30 PM. Come to this meeting and have your inputs. A map to the library is shown the bottom.



CRRC Library

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 – Fightertown USA 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 (45 min)
R/C Soaring from the Ground Up R/C Video Magazine, Vol. 1
R/C Video Magazine, Vol. 2
R/C Video Magazine, Vol. 3
R/C Video Magazine, Vol. 4
R/C Video Magazine, Vol. 5
R/C Video Magazine, Vol. 6 & 7
R/C Video Magazine, Vol. 7
R/C Video Magazine, Vol. 8
R/C Video Magazine, Vol. 9 & 10
R/C Video Magazine, Vol. 12 & 13
Scale Aircraft Documentation
The Light Stuff (Daedalus Project)
Wring It Out, Vol. 2 (40 min)

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)

SEE YOUR NAME IN PRINT!

If you have something that you want to tell the rest of us model airplane nuts about, don't feel shy, and just drop me a line with what you have to say! I can be reached at fritz@tiac.net, or snail mail with the address on the front of the newsletter. I can take inputs in most any formats. I also have a scanner if you have pictures you want to post.

-Fritz

NEW THINGS ON OUR WEB-PAGE

Joel Foner

This was a busy month for interesting RC related stuff on the web. In addition, the links area has grown so much that it needed to be reorganized - please check out the new links area and let me know what you think. In addition, the Articles & Tips area has been expanded and reorganized.

Here is a list of the new web site info added this month:

Flying Sites - Bill Martin Field (Medfield)
- Added a note about the intermittent but strong interference that has been found on channel 48 at Medfield. We recommend you avoid this channel until the source has been found and resolved.

Articles & Tips
- Added a set of CAD RC component drawings, including motors, servos etc.
- Added a set of Airwolf mouse cursors for anyone tired of the hourglass.

Articles & Tips - Engines and Motors (New page)
- Found two sites with information on how to convert inexpensive weed whacker
gas motors for use with giant scale planes

Articles & Tips - Flying
- Added two great articles by Don Stackhouse, "Rudder vs. Aileron Shallow Turns" and "What is a Lomcovak"

continued…

Articles & Tips - Kit Modifications
- Added "Pierce Aero Paragon Airfoil Modification", a write up by Dick Williamson on improving the performance of the Paragon wing design.

Links - Associations and Clubs
- Added the International Scale Soaring Association, Bath Helicopter club (Britain), Northwest Arkansas Soaring Society, Sacramento Valley Soaring Society, Cirrus RC Flyklubb (Norway)

Links - Companies
- Added Aerospectra, Purbeck Sailplanes, Paragon Aeronautics, Powermaster Fuels, Airstar International, Altech Marketing (MRC, Hirobo), Miniature Aircraft (XCell heli's - new site), Uptown Sales and Slickraft.

Links – On Line Buy/Sell/Trade
- Found a site called R/C Auctioneer, providing on-line auctions for RC items.

Links / Scale Sources
- Found the "Ejection Seat Gallery"(!) tech specs and pictures of ejection seats of many famous fighters
- Added the site for T Lai Enterprises Modeling Fonts
- Added Cristi's Aircraft Page

Pictures
- Added the "Mantis Flies at Davis" page, with pictures of the Mantis sailplane design.

Enough of this virtual stuff - time to get back to flying! See you at the field,

Joel

IF YOU HAVE AN INTERNET CONNECTION, CHECK OUT OUR PAGE AND HELP JOEL ADD to the LINKS!

HEARD AND SEEN AT THE FIELDS

With flying season in full swing, we're seeing several father/son teams out there learning to fly. Several of the sons are nearing solo flights, while the fathers are somewhat behind in the learning curve. We saw ***Max Tubman*** make his first landing, ***Watson Sallay*** make nice approaches, ***Christian Dimpfl*** flying smoothly, and several other young men whose names escape me. It's nice to see so many youths in this hobby this year.

At Davis, the Sundays have been hectic, with two rows of cars and over 20 flyers at any one time at the field.

Tom Bauer has his Discus flying again, this time with a new elevator. His plane flies much better with the ailerons connected.

Carl Blaurock brought out his European 1.8 m hand-launch. This plane looked like it has potential.

There have been several Terminators out at the field, flown by ***Mike Cormier, Joel Foner***, and ***Dan Griscom.***

The Sapphire brigade is making this gem into a common stone. ***Dave Walter*** has overcome his radio problems to add his to ***Don Black's Bruce Schneider's and Steve Smith's.***

Ken Antonellis is still showing that his Bird-of Time can compete with any Sapphire.

Ruane has a new ship! It's a combination Prism, Spectrum, and something else that the contest boys picked up for Ruane at the Syossett contest last year.

Even power flyers ***Larry Copeland, Jon Leehey and Bill Dimpfl*** showed up at Davis.

Pete Young has been working with ***Miner Crary*** in trying to get Miner's Olympic II tracking right.

Jose Bruzual showed us all by winching his Skeeter into the air!

Jim Tyrie joined CRRC from Bedford NH! Jim drives down every weekend to show us what's new in sailplane technology.

As Joel says, see you at the field(s)!

CRRC has 123 members and counting… 93 have provided e-mail addresses.

UPCOMING EVENTS in 1999



June 13th Simsbury CT. Sailplane contest for 442, 443, and 444.

June 19th 1999 Annual Regatta Electric- Sail-Steam powered only. Medway Park's Choate Pond. Oak Street (off Main St.) Medway, MA 10:00 a.m. to 4:00 p.m.

June 19th-20th Syossett NY ESL Sailplane contest. Expert/Sportspeople.

June 26- 27 Gardner, MA (AA) New England Scale Championship for 511, 512(JS)(O). Site: Gardner Airport. James Sbronga CD, 6 Trowbridge Ct N Grafton, MA 01336 PH:508-481-0955. Static judging both days from 8AM to noon, Sunday till 10AM. Food on the site, Sat night party and BBQ, camping on site, no hook ups. Grass strip plus 3000' of new runway. Sponsor: CHARLES RIVER RC INC / CENTRAL MA RC INC

July 2-5 U.S. F3J Sailplane Team selections, Stillwell Woods, Syossett NY F. Bien CD

July 3-4 SSRCC Pattern Contest Dave Elsner CD 781-293-6662 Bridgewater MA

July 17, 18 CRRC 2-Day RES Contest Les Gerhardt, Dick Williamson CDs.

August 14, 15 Sudbury MA 26th CRRC Soar-In Dave Walter and Anker Berg-Sonne CDs

August 22 SSRCC Scale Fly-In Bridgewater MA

October 2 Electric Fun-fly Ken Antonellis CD

October 3 SSRCC Fun Fly Tom Acciavatti CD Bridgewater MA 617-696-1229

October 8 First Fall indoor flying at Sudbury High.

October 17 CRRC Annual Auction

November 5 indoors flying at the Lincoln Sudbury High School Gym

January 1 2000 CRRC First Millenium Frozen-Finger Fun-Fly. If you can't come to this one, you'll have to wait 1000 more years.

CRRC FLIGHT INSTRUCTORS

Below is our list for qualified and willing instructors. Power is flown at the Bill Martin Flying Field in Medfield. Soaring is at Davis Farm, on Rt. 117 in Sudbury and Callahan State Park in Framingham.

POWER

INSTRUCTOR	TOWN	TELEPHONE
Neil Kaufman (Chief)	Sudbury	508-443-9647
Bob Scott	Roslindale	617 323 6600
Dan Ross	Natick	508-655-8396
Larry Copeland	E. Walpole	508-668-0448
Ken Antonellis*	**Natick**	**508-653-4513**
Jon Leehey*	**Wayland**	**508 358 5721**
Ruane Crummett *	**Wayland**	**508-655-2234**
John Nilsson	Clinton	508-368-7136
Anker Berg-Sonne	Stow	508-562-3819
Dave Walter	Hudson	508-562-5400
Fritz Bien	Concord	508-369-1720
Lincoln Ross	Waltham	617-891-0332

SOARING

INSTRUCTOR	TOWN	TELEPHONE
Dick Williamson	Sudbury	978 443-8549
Dave Walter	Hudson	978-562-5400
Bruce Schneider	Hudson	978-562-9900
Lincoln Ross	Waltham	781-891-0332
John Nilsson	Clinton	508-368-7136
Chris Schuch	Stow	508-562-3819
Peter Young	Belmont	617 484 0640
Fritz Bien	Concord	978-369-1720

- ***These instructors will also teach on Wednesday evenings. Please call ahead so that you can set up a time!***

TIP OF THE MONTH

A great way to hold your wings together for transport is to use the wing cores for protection. The hard part of doing this is holding the cores together. I've used tape and rubber bands, both with limited success. Ruane showed me a much neater way: Get a package of Velcro™ strip, the type without the sticky backing.

All you have to do is wrap a section of the hooks around part of your wing and a section of the eyes around the rest. Zip the two sections together, and you have a firm, yet not crushing strap to hold your wings inside your cores.

CRRC NEW PLANE CHECKOUT LIST

AIRFRAME

- ❑ Visual check for airworthiness of construction, any loose glue joints
- ❑ Check incidence, alignment, wash-in/washout, for warps
- ❑ Landing gear properly placed and mounted
- ❑ Wheels rotate freely
- ❑ Control surfaces properly secured
- ❑ Linkages free from binding and slop
- ❑ Wing bolts/bands securely fastened and in good condition
- ❑ Clevises properly fastened and secured
- ❑ Fore/aft balance correct
- ❑ Name, address, AMA number on/in plane

ENGINE

- ❑ Engine suitable size for airframe
- ❑ Engine properly fastened to plane with proper thrust line
- ❑ Propeller proper size for engine, undamaged
- ❑ Fuel tank proper location with proper plumbing
- ❑ Spinner or rounded prop nut
- ❑ Acceptable muffler

RADIO INSTALLATION

- ❑ Frequency flag with PROPER CHANNEL on transmitter
- ❑ Transmitter *gold stickered*
- ❑ Receiver and battery pack properly wrapped and installed
- ❑ Servo are grommets not too tight, all screws in
- ❑ Servo arms screwed in
- ❑ Push rods secured and properly working
- ❑ Antenna properly mounted, fully extended

AFTER FREQUENCY IS CLEARED

- ❑ Proper control movement with no binding
- ❑ Control surfaces correspond to stick direction
- ❑ Control surfaces in neutral position with trims NEUTRAL
- ❑ Radio range checked
- ❑ Engine idle setting checked

GENERAL

- ❑ Frequency control understood, proper frequency pin made
- ❑ Field rules understood
- ❑ Safety issues understood

AIRCRAFT INSPECTED_____

PILOT/OWNER _____AMA #_____

INSPECTOR _____DATE_____

COMMENTS_____

CRRC FREQUENCY PIN STANDARD

THIS PIN STANDARD IS TO PERMIT THE DISPLAY OF ALL THE FREQUENCIES IN USE AT ANY ONE TIME AT THE FIELD.

11	37
12	38
13	39
14	40
15	41
16	42
17	43
18	44
19	45
22	46
23	47
23	48
25	49
26	50
27	51
28	52
29	53
30	54
31	55
32	56
33	57
34	58
35	59
36	60
27M	6M

CRRC PIN-BOARD

WE DO NOT ALLOW
CHANNELS 20 AND 21
DUE TO TV-4 INTERFERENCE

CRRC FREQUENCY PIN:

