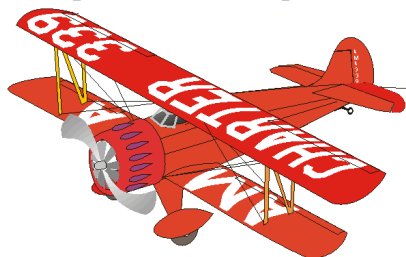


NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRRC FLIGHT-LOG

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

AMA CHARTER 339

December 2002

VOLUME 39 NUMBER 12

2002 CRRRC OFFICERS

PRESIDENT

Jon Leehey

508 358-5721

jon.leehey@alum.mit.edu

VICE-PRESIDENT

Derick Veliz

978-266-1739

dveliz@omr-architects.com

MEMBERSHIP SECRETARY

Dick Williamson

978 443-8549

williamson@ll.mit.edu

RECORDING SECRETARY

Laurie Hurwitz

617-923-0725

laurie@ccs.neu.edu

TREASURER

Miner Crary

978 443-8209

m.crary@attbi.com

NEWSLETTER EDITOR

Fritz Bien

978 369-1720

fritz@spectral.com

Ex-Officio and RAFFLE

CHAIRMAN

Tom Bauer

781 235-7344

tbauer@wellesley.edu

WEBMASTER

Joel Foner

508 653-3560

jfoner@fonerassoc.com

GENERAL MEETING

Wednesday
December 18th

7:30 PM

Guest Speaker:
Model Rockets
More later

December Raffle



Table of Contents

Raffle Prizes	Tom Bauer	...1
Treasurer's report	Miner Crary	...2
President's Message	Jon Leehey	...2
Local Tree Climbers		...2
November Meeting Notes	Laurie Hurwitz	...3
December Board of Directors Meeting		...3
CRRRC Flight Instructors		...4
CRRRC Lending Library		...4
CRRRC Annual Auction	Ken Antonellis	...5
Make your own DC power-supply	RMR/CA	...5
Inside R/C	Pete Lofgren	...6
Events Calendar		...6
January First Fun-Fly		...6
2003 Renewal Application		...7

1st Prize *

GWS - Pico-Stick-S ARF*
Electric Indoor & Slow

Flyer

with 6 cell 110mah NiCd

Battery

Weight: 6.5-7.0 oz.!

Wingspan: 38"

2nd Prize*

Dare - 1903 Wright Flyer
Rubber Band Free Flight
Wingspan: 17 7/8"

3rd Prize

Gallon of Fuel or
Choice of a "Cool Tool"
(Including, but not limited to):

11" Easy Sander Bar,
Razor Plane, Balsa
Stripper, Hemostat,
Butane Solder iron,
100 #11 Knife Blades,
8pc Balldriver Set, or
a Peck Polymers ROG
FF-Kit

One prize awarded from each category.

Show and Tell prize will be selection from Cool Tools.

* Thanks to RC Buyers Warehouse, Nashua, NH for their discount to the club. Please consider them for your next hobby purchase. They are only 30 minutes away from the junction of 3 and 128.

Tom Bauer

Raffle Chairman

TREASURER'S REPORT

Report Date 11/30/02

Starting Balance 10/31/02	
Checking (after #1278)	1,728.10
Savings	4,570.99
Cash	25.00
Total Starting	6,261.09
Income	
Auction	2,862.00
Dues	210.00
Indoor Flying	142.00
Interest on Savings (November)	4.23
Keys	10.00
Raffle	266.00
Total Income	3,494.23
Expenses	
Barbara Ross – Auction #1279	1,032.50
Millis MAC –Mowing #1280	360.00
Tom Bauer -- Auction, Raffle prizes #1281	378.11
Peter Young –check replacement #1282	95.00
Teamworks Indoor Flying #1283	120.00
Ken Antonellis – Raffle Prizes #1284	49.12
Fritz Bien – Newsletter #1285	104.15
Bank Fees (Nov)	12.41
Total Expenses	2,151.29
Ending Balances	
Checking (after #1285)	3,066.81
Savings	4,575.22
Cash	25.00
Total Ending 11/30/02	7,667.03

Signature: *Miner Trary*

PRESIDENT'S COLUMN

First, I want to apologize to all the student flyers who listened to me and got their hopes up for a late flying season. “For the last few years, the weather has been great through December with relatively balmy days for the FFFF on Jan 1.” Yeah, right. Not this year.

Can you believe this weather? First it was torrential rain every weekend. Then it was windy as hell. Then it was both windy and rainy. Now we are on our third snowstorm and it is not even officially winter yet. And just for spite, Mother Nature did provide some beautiful mid-week days when most of us were working and could not go flying.

Well, I for one have not yet given up on the season and have my planes charged and ready to go. But just in case we don’t see the bare ground again until next April, here is my TOP 10 LIST of winter R/C activities (with apologies to David Letterman):

No.10: Cycle your batteries and keep everything charged up for that unpredicted warm winter flying day. There will be some.

No. 9: Repair that minor damage from this years less-than-perfect landings.

No. 8: Clean up your building area and throw out stuff with more than “minor damage.

No. 7: Read those seven old copies of Model Aviation that you never got to.

No. 6: Practice dynamic soaring and/or inverted landings on your flight simulator.

No. 5: Build at least two of those kits you bought in the 90s but have yet to even open the box.

No. 4: Complain about the weather.

No. 3: Attend one or more of the CRRC indoor flying events.

No. 2: Buy new thin gloves for the Frozen Finger Fun Fly on Jan 1.

And most important:

No. 1: Go shopping, traveling or whatever else your wife wants to do. This will build up a reserve of “free” flying weekends for when the weather improves.

It’s been a pleasure and a privilege serving as CRRC President this year. I want to thank the BOD and all the other CRRC members who helped keep this club going for the last 12 months. And I wish the new officers luck in 2003. Happy Holidays to all!

Jon Leehey

TREE CLIMBERS

Tony Morais

A1 Tree Services-
Framingham, MA
508-626-0088
800-657-7788

Brian Pikarski

Burlington, MA
617-797-2136

Kenny Greeno

Office Phone: 617-661-8591
Cell Phone: 617-839-1814

Paul Harrington

(508) 376-2573 [Medfield Area]

NOVEMBER GENERAL MEETING

Jon Leehey opened the meeting at 7:33 PM.

Secretary's Report approved as written in newsletter.
Treasurer's Report approved as written in newsletter, 1 opposed.

The attendance book was passed around the meeting. We ask that newcomers say something more than his/her name.

Field coordinator's report:

- Davis: Goal posts are gone, but lights are still there.
- Cape: Bob Scott and Ruane went a few weeks ago. It was about 35 mph.
- Medfield: Conditions during the week have been good. Two members of the Millis club moved a number of rocks to block the off-road access to the field.

Old Business:

Upcoming BOD Meetings

- November 26
- December 17 – the day before the December general meeting

CRRC Auction – November 10th.

- ~125 people attended.
- Ran late because there was so much to auction.
- John Ross' equipment all sold. We netted over \$1000 from the sales. The BOD will take suggestions for the use of the money.
- Recommend that the club send a thank you note to Ken A's wife for her help with the food.

New Business:

The results of the 2003 CRRC Elections:

- President – Derick Veliz
- Vice President – Mark Drela
- Treasurer – Miner Crary
- Membership Secretary – Dick Williamson
- Recording Secretary – Jeremy Harkin
- Newsletter Editor – Mike Cormier
- Webmaster – Joel Foner
- Ex-Officio – Jon Leehey

New members or guests:

Bob McComiskie – flies full scale, was guest speaker.

Karl Gengenbach – flies power

Mike Laurence – power

Hal Schaefer – general RC flying

James Titone – power

Tony Davids – power and helicopters

Jon Leehey closed the meeting at 8:03 PM

Raffle:

- M5 FMA Receiver – **Scott Anderson**
- Hitec HS-55 servos – **Rick Walba**
- Gallon of Fuel – **Roman Rasenas**
- Iron Thermometer – **John Weigel**
- T-shirt – **Pete Lofgren**

Show and Tell:

- **Tracy Clark** – Picture brought in for Derick taken from the air.
- **Tomer Jackman** – Foam core wing with carbon fiber that was his first attempt at core cutting, spare balsa

fuselage, and a speed 400 named Pink 400.

- **Mike Cormier** – Lite stick with new wings. Used templates for foam wings as templates for ribs in a built-up wing.
- **Rick Walba** – Teflon wing rods that work well.
- **Jeremy Harkin** – Somethin' Extra weighing in at 5.25 lbs. He prefers Ultracote to Monokote.
- **Steve Young** – Megow Cadet kit that his sister bought for \$0.75 at an auction. Warren Chafe was able to identify the plane.
- Tom Bauer - Scale Cessna 45 oz. that he rebuilt after a crash on October.

Show and tell prize: Tomer Jackman took the Sealing Iron.

Meeting Speaker: Bob

McComiskie, a full scale glider instructor at Sugarbush airport in Vermont, gave an interesting talk about his experiences soaring and finding the different types of lift. Bob also talked about different launch methods, and records established by sailplanes.

Bob has a nice slide presentation of what full sized sailplaners look for when looking for lift.

DECEMBER DIRECTOR'S MEETING

The next directors meeting will be, Tuesday, December 17th at 7:30 PM, at the Sudbury Goodnow Library.

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
Larry Copeland	E. Walpole	508-668-0448
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

Joel Foner	Natick	508-653-3560
------------	--------	--------------

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)

2002 ANNUAL CRRC AUCTION

Ken Antonellis

Well, our annual auction was held on Sunday, November 10th and here is how it went:

10:00 AM: Bill Martin, Brian Pikarski and I met at the VFW to move tables around

11:15 or so: Kathy Antonellis came by at started the hot dogs, drinks etc.

11:30 or so: Early birds came to bring their items and to see what was good

1:00PM: Auction started with first auctioneer Lincoln Ross.

There was a great turnout. I would estimate about 125 people. Volunteering were Miner Cray and John Weigel with the cash and record keeping. Ruane Crummett, Gerry Kennedy helping to bring items to the cashier, Tom Bauer doing what ever was necessary including auctioning, and helping in the sale of those items from the estate of John Ross. Bill Martin oversaw the operation and made sure we were on our toes!! I apologize for anyone that I may have missed.

It seemed that most items sold and no one was disappointed. We will have to discuss next year's auction. Should we have a \$15.00 table? Should we keep the maximum commission of \$10.00? Perhaps post some rules. Whatever we do, let's keep the hotdogs, they hit the spot!

MAKE YOUR OWN 12 VOLT DC SOURCE

As winter season is upon us, we're looking for ways to use our Astro-110D chargers indoors to charge our batteries before going to the field. While some of us have nice linear, regulated power supplies available, others are not willing to pay the \$80 to 100 dollars for them. Here is a simple 12 volt power supply made from an old computer PC-AT power supply that can be either gleaned from that door-stop in your garage, or for \$5.00 at the used parts store.

Several people have written this technique up. I got this article from the Newsgroup rec.models.rc.air:

-Fritz

From: "Highflier"
<jims1441@comcast.net>
Subject: Built your own AC/DC 12 volt supply
Date: Mon, 2 Dec 2002

Being a cheap ass I have been running out to the car to plug in my Astro-Flight charger and charge batteries. What a pain. So I decided that I needed a power supply. Damn I could not believe that most of them were about \$80.00. That is just too much for a power supply, so I started thinking and with a little effort, some scrap stuff, \$1.97, I built a 8 amp 12V DC power supply. Here is how I did it. I will put pictures up on my web site if there seems to be any interest.

First find an old computer that is ready for the garbage and strip of the

Power Supply out of it. Mine was a 200 Watt AT power supply that has 25 AMP

5V DC and 8 Amp 12V DC.

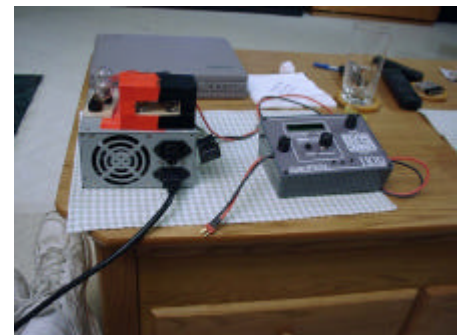
Now if you just connect your charger to the Black and Yellow wire nothing will happen. You need to fake it out to think that there is a computer plugged in. Thus you need to connect a light bulb onto the +5V line (Red wire) and a Black (GND) wire. I used 2 bulbs since the more load you put on the 5 volt the better the 12V is. (1 Bulb worked but I only got 4 AMPs out of the 12V thus by adding a second bulb I am getting all I need now.

Next I took a couple of pieces of wood to make a block to hold the posts so that I could easily clip an alligator clip onto the +12 and Ground poles. I used black and red tap from Zagi supplies to make it obvious were the 12V and GND poles were. You'll notice the poles are inside the wood block to prevent accidental shorting.

Add a Power switch and you're done. The bulbs that I used were from an auto parts place bulb part number is 1157 and cost me \$1.97 I used both the high beam and low beam on them since that will draw about 3 amps. A nice side effect of using light bulbs to put a load on the 5V DC is that it also works as an on indicator.

You might want to pick up an extra pack of the bulbs since they make good dischargers again at a price point you cannot beat.

Highflier



New show "Inside R/C" to air on the Outdoor Channel

As mentioned in this month's Model Aviation magazine, the Outdoor Channel has announced a new show devoted to R/C hobbies - Inside R/C. It will air starting Monday 12/30/02 with

26

episodes shown weekly through the end of June. Each show will air three times per week: Monday @ 5:30 pm, Thursday @ 3:00 am, and Saturday @ 10:00 am.

From www.outdoor.com:
"Inside R/C is a high energy, fast paced show that highlights the radio control hobby industry

including all the latest developments from the hottest servos, shocks and landing gear, to how remote control is being used in various professions today."

See www.insiderc.com for more info.

Pete Lofgren

CALENDAR OF EVENTS

The calendar of events for the year was determined in the **January Board of Director's meeting**. If you have a favorite event you want included on the 2002 Calendar, please come to the Board Meeting and bring it up. For an up-to-date list of area events check http://www.charlesriverrc.org/calendar_events.htm.

DATE	EVENT	WHERE	CONTACT	EMAIL
Dec 7 bring those WWII flyers	CRRC Indoors Flying	Teamworks Northborough	Bruce Schneider /Wayne Nelson	bruceden@attbi.com
Jan 1 2003	CRRC Frozen Finger Fun Fly	Bill Martin Field (Medfield)	Fritz Bien	fritz@spectral.com
Jan.11 2003	CRRC Indoors Flying			bruceden@attbi.com
Feb. 8 2003	CRRC Indoors Flying			bruceden@attbi.com
March 8 2003	CRRC Indoors Flying			bruceden@attbi.com
August 9,10 2003	CRRC Soar-In	Davis Field	Anker Berg-Sonne	anker@rcn.com

Come to the **F**irst -of -Year **F**rozen **F**rostbitten **F**ickle
Finger **F**un-Fly on January **F**irst!

BILL MARTIN FLYING-FIELD

MEDFIELD

First **F**light 9:00AM **F**or Power **F**lying

Bring your floats/skis! We should have snow!

If there is a huge blizzard just before the 1st, check the CRRC newsgroup or www.charlesriverrc.org in case we have to move the flying to Davis.



THE CHARLES RIVER RADIO CONTROLLERS, INC

AMA Charter 339

2003 MEMBERSHIP APPLICATION

THIS FORM EXPIRES ON MARCH 1ST 2003!

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**

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

To receive membership card and field pass, bring this application to a club meeting, or mail with a copy of your Year 2003 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

REMEMBER THE MARCH 1ST DEADLINE!	Renewal before March 1st
OPEN Member	\$30.00
JUNIOR member, (under 19 before 7-1)	\$15.00
SENIOR member, (if age 60 before 7-1)	\$20.00
full time STUDENT	\$15.00
Family member additional to OPEN membership	\$15.00
There will be a \$5.00 penalty for joining AFTER March 1st	

I'M INTERESTED IN THE FOLLOWING:

- ☐ TRAINERS/SPORT PLANES
☐ GLIDERS
☐ INDOOR/PARK FLYERS

- ☐ ELECTRICS
☐ HELICOPTERS
☐ SCALE

- ☐ PATTERN
☐ RACING
☐ GIANT SCALE

☐ OTHER (specify) _____

FREQUENCY DATABASE

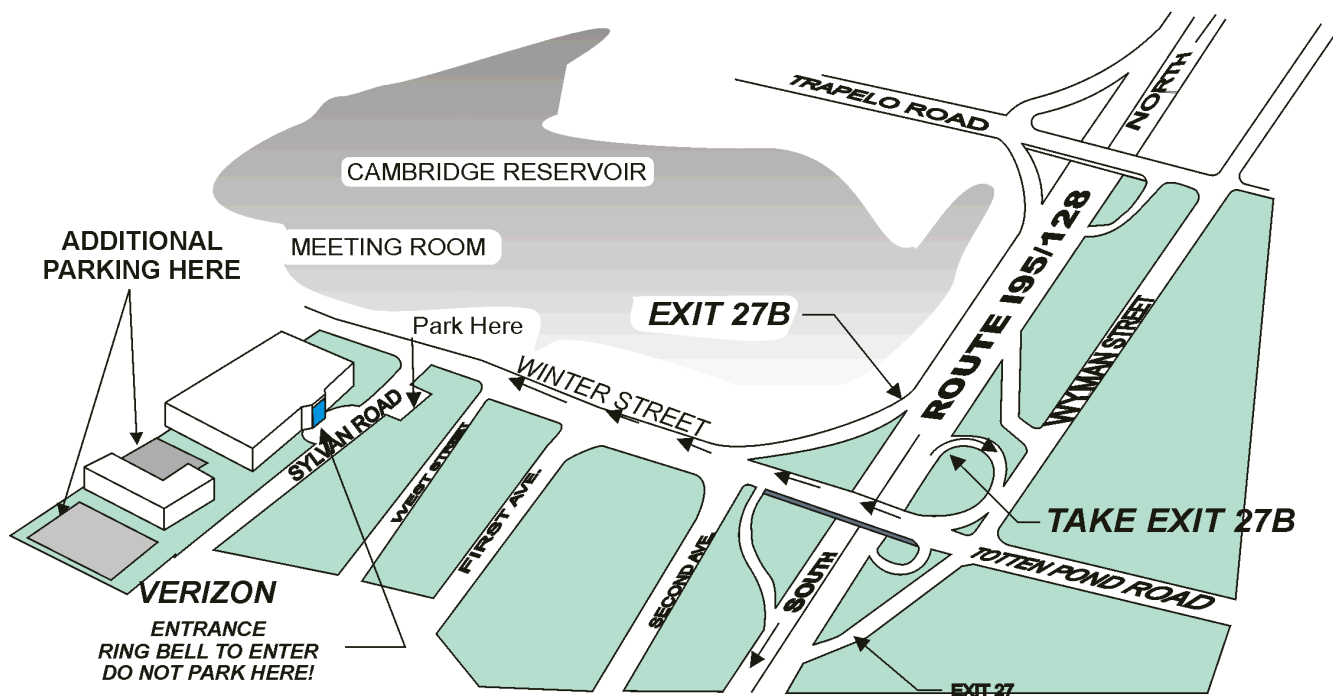
This database is made to help you select future radios that have the fewest conflicts with ones used by others at the flying field. Put the number of transmitters that you own for each frequency. **Add D if it is your primary frequency at Davis and M if it is your primary at Medfield.**

11> _____ 16> _____ 21> _____ 26> _____ 31> _____ 36> _____ 41> _____ 46> _____ 51> _____ 56> _____
 12> _____ 17> _____ 22> _____ 27> _____ 32> _____ 37> _____ 42> _____ 47> _____ 52> _____ 57> _____
 13> _____ 18> _____ 23> _____ 28> _____ 33> _____ 38> _____ 43> _____ 48> _____ 53> _____ 58> _____
 14> _____ 19> _____ 24> _____ 29> _____ 34> _____ 39> _____ 44> _____ 49> _____ 54> _____ 59> _____
 15> _____ 20> _____ 25> _____ 30> _____ 35> _____ 40> _____ 45> _____ 50> _____ 55> _____ 60> _____

HAM LICENSE CHANNELS: license may be checked at the field!

01> _____ 02> _____ 03> _____ 04> _____ 05> _____ 06> _____ 07> _____ 08> _____ 09> _____
 53.1> _____ 53.2> _____ 53.3> _____ 53.4> _____ 53.5> _____ 53.6> _____ 53.7> _____ 53.8> _____

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



Fritz Bien /Editor
41 Saw Mill Road
Concord, MA 01742-2221