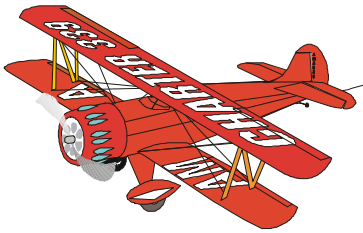
NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRC FLIGHT-LOG

http://www.charlesriverrc.org/

AMA CHARTER 339 February 1999 Volume 35 Number 2

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CLUB MEETING
AT THE GTE LABS, WALTHAM
WEDNESDAY FEBRUARY 17TH
7:30 PM
OLD TIME RADIOS
Bob Brodeur

Bob Brodeur runs RC Buyers' Warehouse in Nashua NH.

Bob also collects old-time radio control equipment and will talk about "the way RC used to be" - he'll also be bringing in examples of old single channel reed, escapement and other systems to see.

February Raffle

1. Seniorita kit
2. Set of super clamps
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.

NEW PARKING MAP!
CHECK THE BACK COVER

TREASURER'S REPORT

Don Black



REPORT DATE **2/1/95**

STARTING BALANCE

Checkbook Balance (after check #1054)	$844.43
Savings Account Dec. Statement Balance	$4,256.59
Cash	$30.80
Total Starting Balance	**$5,131.82**

INCOME

Raffle	$134.00
Key Deposit	$15.00
Dues, Checks	$840.00
Dues, Cash	$50.00
Savings Account Interest December	$9.40
Total Income	**$1,048.40**

EXPENSES

ITEM	CHECK	RECIPIENT	
Raffle Prize.	1056	J. Foner	$8.39
Mass tax report	1055	State DOR	$15.00
Bank Maintenance Charge for December			$9.00
Davis + Raffle	1057	D. Williamson	$314.54
Newsletter	1058	F. Bien	$137.80
Trophies	1059	J. Weigel	$50.40
Total Expenses			**$535.13**

TREASURY BALANCE **$5,645.09**

RECONCILIATION

Checkbook Balance (after check #1059)	$1,214.30
Savings Account Balance	$4,395.99
Cash	$34.80
Total Ending Balance	**$5,645.09**

Signature:

Don A. Black

This is the time your 1999 membership renewal is due!
There should be a star by your name on the mailing label if you have already done so. A form is provided on page 9 if you need it.
I hope to publish a club roster for 1999 in March.

January GENERAL MEETING

Glenn Schrader

GENERAL MEETING: January 20, 1999

Bill Dimpfl opened the meeting at 7:30 PM with the acceptance of the secretary and treasurer's reports.

FIELD REPORT: Davis has been icy and the town does not plow the parking lot. We are, however, signed up for use of the field for 1999.
Medfield is snowed in and usable only if you've got a 4 wheel drive vehicle. There was not report on Callahan.

OLD BUSINESS: No old business was discussed.

NEW BUSINESS:

Bill Martin has arranged a static display at the Natick library on Saturday 1/24/99 from 1PM to 5PM.

Neil Kaufman received the "Instructor of the Year" award.

Joel Foner received the "Bob Fish Memorial" award for outstanding service.

Pete Young reported that the 107th RC Flyers auction would be on Feb 14th.

The business portion of the meeting was closed at 7:51 PM.

SHOW AND TELL:

Vincent Massa had a 110" Symphony electric glider with an Astro 40 direct drive running on 10 cells.

Fritz Bien had a speed 400 powered hobby lobby electric super cub. ***Fritz*** also had a rubber powered peanut scale SE-5.

Anker Berg-Sonne had a beautiful (and expen$ive) 121" Calypso Cobra. ***Anker*** also had the wings, boom and tail for one of ***Tom Kiesling's*** designs. This is the one, which has a carbon fiber stick fuselage, Kevlar pylon and nose, and a V tail.

Bill Dimpfl had a Czech made F4U-1 foam ARF from Hobby Club. He's planning on using CO_2 power and a Garrett receiver.

Edward Omiccioli had a transmitter glove and a related cold weather-flying story.

Les Gerhard had some suggestions for blocking glare from the sun using sunglasses, shields, and tongue depressors attached to your transmitter antenna.

Tom Bauer had a speed 400 powered P51 running on 7 cells.

Daniel Griscom had some sample Terminator wing cores and was interested in whether or not others would be like to have a mass building session (a number of hands were raised so contact Daniel if you're interested).

Chris Larsen had a Hobby Lobby electric helicopter.

Bill Johnson has a Sterling Piper Tri-Pacer with an OS 46LA.

Neil Kaufman had a framed up Ziroli SU-26 from 1994 Model Aviation News plans. He plans on using an 0.074 or 0.10 for power.

Pete Young had a gorgeous Yellow Aircraft R4E ducted fan with an OS91. ***Pete*** also had a set of F16 retracts.

Jan Kansky had a Speed-400 powered fun fly plane running on 7 cells.

ENTERTAINMENT:

Brooks Margolian gave a really nice talk comparing and contrasting flying full-scale aircraft vs. models. To paraphrase one line that has stuck with me, "It seems like the prices are awfully high, but if you factor in all of the costs then its still usually cheaper to buy what you need than it is to make it yourself".

PRESIDENT S MESSAGE

This last month Jesse Hefter forwarded the message that GTE is unhappy with how we have been abusing our privileges at their facilities. I think that Les Gerhardt contributed another article to this newsletter on that subject too. It seems that we have been taking the facilities for granted and not taking care to observe the parking regulations. He also mentioned that club members have been found wandering through the facilities. I don't see any problem with fixing these things immediately. What gives me greater concern, however, is, as Jesse points out, GTE has no reason to host our meetings and, consequently, is asking for us to look for another site. I would like to do what we can to give GTE a reason to want us to continue meeting there. Jesse had some suggestions which included holding some sort of event for the families of GTE employees. What came to my mind was an annual event held the first time this spring or summer on a Saturday afternoon on the GTE grounds. By that time a number of us should have park flyers that are flying. I thought that a demonstration of the park flyers along with computer flight simulators for those interested would be something that would be fun for all and that would give GTE a reason to let us continue using their facilities. I you have any ideas let me, or someone else on the board, know.

I've still been struggling to finish my GeeBee Sportster. The Sportster is the model, which preceded the stubby Super Sportster that everybody is familiar with. Its not quite so extreme so I think there is a chance it will fly. I've been converting the Dumas rubber powered kit to fly on 4 channels, using the Norvel .049. I had been looking for a good model to put one of those new little engines in, and I think this is it. Its been a fun project but I am amazed how even a small airplane can take a long time when you decide to make changes. I should have it finished for the meeting this month and look forward to showing it.
Jesse's letter:

Bill and Fritz,

I received a phone call from our Facilities and Planning staff yesterday. Basically, they were asking if CRRC might be able to find another site for hosting the monthly meetings. The following things precipitated the comments from them:

(1) Parking - the visitors parked all around the entrance circle and in many areas that are marked not for parking. They pointed out that the Fire Lanes were partially blocked (a real no-no) and that the visitors are no longer taking care only in real parking spaces. [I think that, over time, the club members and guests have become somewhat looser in their parking habits.]

(2) Wandering - Security reported people wandering outside of the immediate area of the auditorium. This is a major problem for the Facilities folks. [I suppose that over time, CRRC staff has walked around to get sodas etc from the vending machines and this wandering around has the security folks irked.]

(3) Room set up and break down - Facilities stated that 'sometimes' the club comes in for a meeting while an ongoing weekly meeting is taking place and this requires some small (but noticeable) rearranging by Facilities either before or after the Club meeting.

(4) No GTE sponsor present - The lack of a GTE sponsor (basically me) at each and every meeting is a problem from the point of view of the Security folks. I try to come as often as I can but either travel or other personal commitments often interfere. [I have been trying to excite several other staff members here to get involved but no luck so far to my knowledge.]

I think that the Club needs to take two immediate steps:

(1) Consider the fact that a new meeting place may need to be arranged,

(2) If a new place is found and we meet here a few more times, to let me know that the parking and 'people wandering' issues are completely put to bed. I will be more than happy to meet with the Facilities and Planning folks here to let them know our intentions both for a possible move (mid year?) and our resolve to be good guests by following all the house rules.

The Club has met here for many years and I would hate to see us have to go. If the climate here has changed, then so be it. If we can be really good neighbors (maybe come up with an idea to run a one-time family night (or Sunday afternoon) for GTE Labs employees and their kids (a Delta Dart thing or something)). We should look to come up with any other cool ideas relatively quickly to show our appreciation in a very tangible way for the Labs support over all these year, which would be excellent (although I can't say it will get us a 'stay').

Since the Club meeting here has no direct business relevance to GTE, we need to be very creative in demonstrating some kind of return-on-investment...

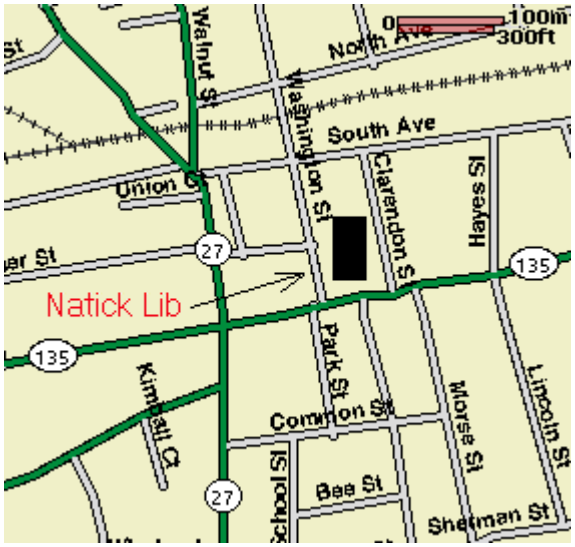
Talk it over with the Board and let's talk soon.
Jesse

We have been at GTE for 15 years, and they have been more than gracious hosts. Lets all pitch in and eliminate the problems outlined above, and thank Jesse and GTE by doing something for them.
This has been the beat meeting site of any club in New England.

-Bill

FEBRUARY BOARD OF DIRECTORS MEETING

The February Board of Directors meeting will again be held at the Natick Library. This meting is scheduled for February 24th at 7:30 PM.. Come to this meeting and have your inputs. A map to the library is shown below:



REMEMBER TO RENEW YOUR MEMBERSHIP!

IF YOU SEE A STAR BY YOUR NAME, YOU ARE ALREADY PAID UP FOR 1999.

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)

"Houston. We have a problem!"

And so do we! Our problem isn't life threatening as Apollo 13 astronauts Lovell, Haise and Swigert's was, but it will take everyone's cooperation and effort to correct it. We have received a complaint from our generous hosts, GTE Laboratories, about parking and members wandering the halls. GTE is involved in government contracts and therefore have security concerns. **At Hanscom Field, the Air Force facilities and Lincoln Laboratory have been on increased alert (Threatcon Alpha) ever since the embassy bombings and the ensuing retaliation.** Perhaps we have become complacent after enjoying 15 years at GTE, but we must correct the problems. Let's review the rules:

As visitors, we must park in designated areas. Parking places are marked. There should be No parking in the entrance circle. **Authorized parking places do not block fire lanes.** Courtesy dictates that we do not park in reserved spots.

When entering the building, sign-in on the log on the security desk, even if a security officer is not present.

Proceed directly to the meeting room.

No wandering the halls looking for the coke machine during the break.

After the meeting clean up the area. Throw out the raffle ticket stubs and any scraps of paper left around. Help put the chairs and tables back in their original position.

GTE has been a very generous host in allowing us to use their well-equipped facility. Let's not abuse the privilege.

CRRC DISPLAY AT NATICK LIBRARY

Ken Antonellis

The CRRC put on a display of radio controlled models and a demonstration of the art of building and flying them at the Natick Library on Sunday the 24th of January from 1:00 to 5:00 PM.

I think we made several brownie points both with the library and with Natick citizens.

We, ***Ken, Dick, John, Joel, Ed*** and myself hung several gliders, planes and a chopper near the entrance and at the stairwell leading to the auditorium on Saturday morning. Later in the day, we went back and set up the hall for the Sunday show with various stations for different specialties. Sunday turned out to be rainy and windy so we had a very good showing from both younger and older people. At one station, we had ***Ken*** showing new r/c items, a couple of kits motors and a radio installed in a plane to show how the controls worked. Ken also had a framed up Seniorita and a completed Seniorita thanks to Jack Buckley. Next was Ben ***Schrader*** with his dad ***Glenn*** showing a couple of beginner planes built. Ben was explaining that even at his young age he is flying the glider. The next station had John Weigel framing together small sections of wings demonstrating the use of both newer glues and the old-faithful carpenter glues. ***Tom Bauer*** was next Monokoting John's wing sections. The crowd would then go to Scott who had a P51 and a flight box showing what was needed at the field. Next was a static display of scale models by ***Mitch*** and ***Jack Buckley***. They were good enough to leave their models while they went to another commitment. (This was great as I was able to imply that they were mine as I manned the table!!!) Moving down the isle, Dick Williamson showed the advantages of a foam glider and the ease of assembly. Joel was next with the hit of the show, an R/C simulator. (We should have two of them next year) Finally Vincent Massa displayed electrics for anyone who was inclined in that direction.

During all of this we had two videos going one with Byron demos, scale masters etc. and another with club members flying. Ed Devereaux took care of the videos. Thanks to all the members who worked on the project including Ruane, Jon Leehey and Gerry Kennedy who were there for support!

A NICE PICTURE PROVIDED BY JOHN WEIGEL GOES HERE, EXCEPT I HAVE AN ADDRESS CONFLICT ON MY COMPUTER SO THE SCANNER IS NOT WORKING THIS MONTH.

-Fritz

INDOOR R/C FLYING SITE FOUND!

Bruce Schneider

We have a chance to fly indoors at the Sudbury high School gym if we can get together enough people. The nominal cost would be to pay for the janitorial services of opening the door, and being present. The cost of that is $20.00 an hour if scheduled around other events or $100 for a 4-hour block if we are the only users of the gym. This would provide an excellent site for winter flying when the field is too muddy and too windy.

If anybody is interested, please contact Bruce or Fritz.

FEBRUARY CONTRIBUTERS TO THE NEWSLETTER

This month we had ***Bruce Schneider, Glenn Schrader, Don Black, Ken Antonellis, John Weigel, Bill Dimpfl,*** and ***Les Gerhardt*** put contributions into the Newsletter. If you have contributions, or pictures, please send them to me at the address on the front of the cover. I will take articles in any form, though I prefer E-mail. My address is fritz@tiac.net.
Thanks in advance,

-Fritz

UPCOMING EVENTS in 1999



February 14 107th RC Flyers Auction Saugus MA Location VFW Post 2346 Main Street Saugus (take a right coming south on Rt. 1 just after the Hilltop Steakhouse) Time: Noon – 3PM

February 17 General Meeting GTE Laboratories Bob Brodeur on old time radios

February 20 MIT: DuPont Gym 6:00 To 10 PM $5.00 for flyers, free for spectators. For more information, Call Ray Harlan, 508 358-4013.

February 26-28 WRAM Show in White Plains NY A must attend for any model airplane fanatic.

February 27 9:00 AM –4 PM Northern Essex Community College Haverhill

March 6 MIT: DuPont Gym 6:00 To 10 PM $5.00 for flyers, free for spectators

March 13 9:00 AM –4 PM Northern Essex Community College Haverhill Indoor contest

March 20 CRRC Cape Cod Slope Day

March 21 Central Mass R/C Modelers, R/C Auction: Auburn Elks 754 Southbridge St. Auburn MA Doors open Noon Auction starts 1:00 PM $2.00 Admission Swap shop for items under $15.00 Club gets 5% of selling price.

April 3 MIT: DuPont Gym 6:00 To 10 PM $5.00 for flyers, free for spectators

April 10 CRRC Cape Cod Slope Combat

May 1 MIT: DuPont Gym 6:00 To 10 PM $5.00 for flyers, free for spectators

May 10 CRRC Cape Cod Slope Soaring

May 16 CRRC Spring Fun-fly Ruane Crummett CD

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

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

October 2 Electric Fun-fly Ken Antonellis CD

October 17 CRRC Annual Auction

January 1 2000 CRRC First Millenium Frozen-Finger Fun-Fly

WHAT MAKES AN AIRPLANE FLY

A Travel Agent wrote:

Dear Dr. Science, I'm a travel agent, but I still don't understand? Can you tell me?

Barbara S., Portales, NM

Dr. Science replied:

Of course. Airlines go out of their way to make flying a pleasant experience - free magazines, peanuts, coffee, music on the headphones and Nutritious food. They give you these things because the true source of aerodynamic lift is faith. When the flight attendants (or air goddesses) chant their mantra about seatbelts and emergency exits, nobody really listens. But the message sinks in subliminally. We do keep our seatbelts fastened, even after the head aviator (or is it avatar?) turns off the seatbelt sign. And it's the reassuring smile of a stewardess that keeps the plane in the air, not the wings. Obviously if they didn't give us those dinky little pillows, or show feel-good Hollywood movies, well, we'd get depressed and the whole shebang would drop like a rock.

This is absolutely correct for any plane big enough to carry a movie projector, one or more cabin attendants and a bar. I mean, it stands to reason. How else can anything that weighs over 250 tons possibly fly without a big bag of hydrogen to help out?

However, this does not apply to lesser planes. Without the movie, girls and bar there's no feel-good effect (unless you're flying a glider or P-51D, when the "Wow! Ain't this what living's all about!" effect takes over). A model or UAV hasn't even got a pilot to feel good, so it can't use this effect at all.

This is where the Bernoulli Balls theory, developed by Jim Parker and Tom Cousins, comes in. This says that the air is made up of small, fluffy, transparent animals called Bernoulli Balls. They sleep at night and wake up and roam around during the day, which explains why it gets calm in the evenings and turbulent in the day. They like to party & get high. However they also get hangovers after partying. This explains thermals and sink. An airplane flies because the little critters grab on as it comes past and sort of takes it with them, but they have to like it before they will grab on. If a plane is really, really ugly the critters won't touch it and it will sink like a stone. On the other hand, if a model is *really neat* the BBs will spontaneously throw a party when they see it and will take the model to the bash with them. This explains why some models find a thermal for every flight.

So folks, the moral is clear: build really neat models if you want them to fly well.

Martin,
Harlow, UK

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.

There will be an organizational meeting in the spring to help set up this year's instructional procedures.

POWER

INSTRUCTOR	TOWN	TELEPHONE
Neil Kaufman (Chief)	Sudbury	508-443-9647
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

THE CHARLES RIVER RADIO CONTROLLERS, INC

AMA Charter 339

1999 MEMBERSHIP APPLICATION

Name _____AMA No._____

Street _____Birth Date (AMA reqmnt)_____

Town_____State____ Zip _____Tel. ( )_____-_____

E-mail_____

To receive membership card and field pass, bring this application to a club meeting, or mail with a **copy of your 1998 AMA LICENSE**, appropriate dues, and a **SELF ADDRESSED STAMPED ENVELOPE** to:

Jan Edward Kansky
Membership Secretary
159 Elsinore Street #2
Concord MA 01742
978-371-2485
E-mail kansky@ll.mit.edu

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

$30.00 OPEN Renewal by March 1st
$35.00 OPEN March 2nd through December.
$20.00 SENIOR member, (if age 60 before 7-1)
$15.00 JUNIOR member, (under 19 before 7-1)
$15.00 full time STUDENT
$15.00 for Family member additional to OPEN membership

I WOULD LIKE TO PARTICIPATE IN:
☐ CONTESTS ☐ FUNFLYS

I'M INTERESTED IN THE FOLLOWING:

☐ **TRAINERS/SPORT PLANES** ☐ **ELECTRICS** ☐ **HELICOPTERS**
☐ **GLIDERS** ☐ **PATTERN** ☐ **RACING**

☐ **SCALE/SEMI-SCALE/QTR SCALE** ☐ **DUCTED FANS** ☐ **SEA/FLOAT-PLANES**

☐ **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 Farm and M if it is your primary at Medfield.**

11 _____ 16_____* **21 X** 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 X** 25 _____ 30 _____ 35 _____ 40 _____ 45 _____ 50 _____ 55 _____ 60_____

*These channels cannot be used at CRRC fields due to the close proximity to TV Channel 4.

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

01_____02_____ 03_____ 04_____05 _____06_____07_____08_____09_____10_____
53.1 _____ 53.2 _____ 53.3_____ 53.4_____53.5_____ 53.6_____ 53.7_____
53.8_____