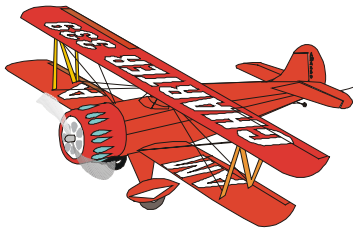


NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRRC FLIGHT-LOG

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

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2000 CRRRC OFFICERS

PRESIDENT

Pete Young

617-484-0640

pwyoung@ix.netcom.com

VICE-PRESIDENT

Bob Scott

617-323-6600

MEMBERSHIP SECRETARY

Dick Williamson

978-443-8549 williamson@ll.mit.edu

RECORDING SECRETARY

Jose Bruzual

617-527-1469

jebnet@mediaone.net

TREASURER

Ed Devereaux

508-653-1516

NEWSLETTER EDITOR

Ken Antonellis

508-653-4513 kantone107@aol.com

Ex-Officio and RAFFLE CHAIRMAN

Bill Dimpfl

978-369-1750 bill@spectral.com

WEBMASTER

Joel Foner

508 653-3560 jfoner@fonerassoc.com

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JANUARY MEETING

7:30 PM

JANUARY 19 at

GTE LABORATORY

Featuring:

Mark Drela

Professor of Aeronautics

Development of the MIT/Lincoln

Laboratory Micro Air Vehicle

JANUARY RAFFLE (Tentative)

1. Razor electric flying wing by Trick R/C
2. Center of Gravity checker
3. Gallon of 10% Nitro 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

REPORT DATE 12/18/99

STARTING BALANCE

Checkbook Balance (after check 1100	\$694.02
Savings Account Balance	\$4,291.75
Cash	\$32.26

**Total Starting
Balance** **\$5018.03**

INCOME

Raffle	\$122.00
Dues	\$45.00
Savings Account Interest for Nov.	\$9.96

Total Income **\$176.96**

EXPENSES

ITEM	CHECK	RECIPIENT	
Bank Maintenance Charge for Oct.			\$9.00
Newsletter	1101	F. Bien	\$140.96
Non Profit status	1102	State	\$15.00

**Total
Expenses** **\$164.96**

**TREASURY
BALANCE** **\$5,030.03**

Checkbook Balance (after check 1100)	\$696.08
Savings Account Balance	\$4,301.71
Cash	\$32.26

**Total Ending
Balance** **\$5,039.03**

Signature Ed Devereaux

PRESIDENT'S COLUMN

Pete Young

I'm very honored and also very humbled to be the club's President for the coming year. I'm very fortunate to have some very talented club officers working with me, so don't be shy about contacting any of us. We're always on the lookout for new products, new flying sites, ideas for club activities, and anything else that will help make this club a better club for the future.

On that note, I attended the First Frozen Finger Fun-Fly organized by Fritz Bien at Medfield on New Year's Day. Mother Nature threw us a curve ball with some really gorgeous weather - sunny mild conditions and no wind until late in the day.

The number of fliers (over 25) and variety of aircraft (30 -35?) represented was spectacular - there's just no other word!

There were helicopters, electric Zags and other sport electrics of varying size, gas trainer ARFs, fast sport gassers, a Lazy Bee, an Ultimate biplane, high-started thermal gliders, hand launch gliders, sporty scale craft, plus others which slip my mind right now. Perhaps Fritz will fill in the blanks with a CD's report --

The sheer numbers and variety of aircraft at the Fun Fly really brought home to me the number and diverse interests of our club members - and I think that everyone I saw was having a great time just "flying for fun" under perfect flying conditions - thanks to Fritz for setting this up and for handing out "Y2K Compliance" flight certificates!

A major part of the club's success and growth is being able to attract and retain newcomers to this great hobby. So I'd like to ask each of you to stay on the lookout for someone you can assist in any ways that you can -- we all know the initial cost of radio control equipment is high and we certainly don't want newcomers to either buy unsuitable equipment or else suffer flight mishaps which may be avoidable with timely assistance. So whether your interests are aircraft (gas, electric, and glider), helicopters, or any other remote controlled craft, please step in and help newcomers if you can.

A final reminder -- don't forget to renew your AMA and CRRC memberships this month in order to keep receiving the newsletter and also to fly legally at our flying sites.

JAN 1, 2000

FROZEN FINGER

FUN-FLY

Well,

The weather was too gorgeous for any frozen fingers but it was sure was wham-bam fun fly for sure. I don't know what magic Fritz pulled off beforehand as CD but the weather was great and the turnout for the New Millennium F5 was tremendous.

I didn't keep exact count but I estimate between twenty to twenty five fliers came out and flew: gas trainers, sport gassers, helicopters, electric Zagi's, electrics of other sizes, RCHLGs, high started 2M gliders, and Alex Lob amazed the troop with his twin engine ARF with blinding speed. And of course Fritz was well prepared with "Y2K Compliance Certificates" to honor the first flights of the New Year.

But of course, there were also the first crashes of the New Year. Fritz started things off early by peeling the wings off his electric high wing Piper Super Cruiser machine in a loop. Dan Griscom dorked his Wingo due to possible RFI. And towards the end of the day, the wing on my Easy 2 ARF surprised me by deciding to fold itself up while the plane was in a gentle turn. The airplane fell into the Charles River about ten feet from the far shore. Retrieval looked grim but thanks to some hikers who witnessed the crash, as well as two canoeists who appeared out of nowhere, all the expensive parts got fished out.

During the search for the Easy 2, parts from two other airplanes were found - Ed Deveraux got the wing back from his plane that crashed earlier in the year, a return only made possible by the lack of growing stuff and our ability to walk on top of the frozen marsh, not sink into mud.

I'd like to thank the following who unhesitatingly provided help to go retrieve my plane: Dick Williamson, Ruane Crummett, Ken Antonellis, a young Brazilian named Roberto, and Ed Deveraux. Thanks guys, I appreciate your giving up your flying time to assist me.

General Meeting

December 15, 1999

Bill Dimpfl opened the meeting at 7:40PM. Field Report: All looks good at Medfield and Davis. We still try to keep in touch with the people at the drop zone... New Business: Harvey Tomassian has been awarded the superior service award from the A.M.A

Thanx given to Jose Brusual for giving us some topo web sites.

Tom Bauer announced that the December directors meeting was scheduled for December 21 at Sudbury.

Harvey Tomassian explained about Maynard Hill's zealous attempt to cross the Atlantic via an R/C ship. This can be an expensive endeavor and any contributions to help with this effort would be appreciated. Please contact Harvey or come to the next meeting if interested in contributing to this cause.

Show and Tell

Dick Williamson had his homemade incidence meter. By using large sticks, it magnifies any incidence problems., ideal for those with older eyes!

Bill Dimpfl brought in his boomerang, looks great and flies well per Bill.

Fritz Bien came in with another Mark 3 indoor R/C plane. When will this shrinking of our planes end!!

Jeff (sorry missed last name) brought in a Zaggi 400 electric, looks like a bargain and there are several flying in the club.

Larry Copeland brought in a Kyoshi 30 size Heli. There seems to be more interest of late, wishing I had the skill to fly or hover one!

Steve Young brought in a small freeflight sailplane, which will be modified for R/C.

Harvey Tomassian brought in his rebuilt plane, looks great to me. Harvey explained that now the wings are the same size.

Mike Cormier had two microplanes, He is getting to be an expert!

Bill Johnson rounded the field with a rubber-powered Belanca Bipe. Must take patience.

Abbott Lahti was our guest speaking talking about very small electrics. It was very informative and certainly raised some eyebrows of the potential of small electrics. Thanks to abbott for his insights.

Next Directors meeting

The next directors meeting will be at the Natick library, downtown Natick on Tuesday, January 25,

CRRC BUILDING AND 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. If you have a new plane that you want to have checked out before going to the field, call any of the building instructors.

POWER

INSTRUCTOR	TOWN	TELEPHONE
Neil Kaufman (Chief)	Sudbury	978 443-9647
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
Fritz Bien	Concord	508-369-1720

SOARING

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
Peter Young	Belmont	617 484 0640
Fritz Bien	Concord	978-369-1720

BUILDING

Ruane Crummett	Wayland	508-655-2234
John Weigel	Natick	508 655-2138
Bill Dimpfl	Concord	978 369-1750
Pete Young	Brookline	617 484-0640
Fritz Bien	Concord	978 369-1720

ELECTRICS

Tom Bauer	Wellesley	781-235-7344
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Tower Hobbies 40 ARF

For some time I had been looking for a hobby that would be interest to both me and my eleven year old son, AJ. Back in the 70's my father, two brothers and I built, crashed and eventually flew several trainer-style planes out of a neighbor's cow pasture in Connecticut. Remembering that experience, I decided to give R/C airplanes another try.

For Christmas my wife bought my son and I a Tower Hobbies Trainer 40 ARF, OS Max .46 LA and Futaba 4 channel radio. The entire package was available from Tower Hobbies as a complete kit, including everything you need to fly but flight line gear. So, with great anticipation AJ and I started in on the assembly on the 27th, once the Christmas rush was past us.

I found the instructions to be very clear and easy to follow. There were no surprises along the way and things generally fit together as promised in the instructions. The plane is advertised to take between 8 – 12 hours to complete and I figure we spent about 10 hours in total, not including modifications. There are just a few watch-outs if you are considering this plane:

- The joint between the two wing halves is simply glued together with epoxy, following insertion of a plywood brace. At Pete Young's insistence (and with his help) we reinforced the entire joint with fiberglass.
- The "TowerKote" covering I found to be pretty flimsy, and very easily torn or holed. Our next plane will probably also be an ARF, but I will be sure it is manufactured with a higher quality covering.
- For first time builders, the radio and engine installation is pretty tricky. In about one hour Pete accomplished what would have probably taken me four, and everything worked perfectly.

With the plane complete, AJ and I attended the CRRC Fun Fly on the 1st. I must say, both of us were humbled by both the number of different aircraft and the quality of the pilots in attendance. Nevertheless, following a break-in tank of gas at the field, Pete had us ready for our first flight. He introduced us to **Larry (last name?)** who after a quick check of the plane pulled it onto the field and into the sky. Larry was quickly able to trim the plane, and mentioned that it flew very well. He handed me the transmitter, and I was able to get about 10 minutes of very cautious turns in before it was time to land, something Larry accomplished with no incident. We would have flown more, but we developed a problem with the fuel line slipping off the fuel tank nozzle that grounded us for the day.

We look forward to flying our Tower Trainer and becoming a part of the CRRC. Larry told me that kids learn to fly quickly because of their video game experience, which is great because AJ can't wait to get his hands on the controls! Thanks again to Larry and especially to Pete for their help in getting us into the air

UPCOMING EVENTS



January 19 Club Meeting

January 22 Indoors Contest Northern Essex Community College Haverhill

January 25 CRRC Board of Directors Meeting

February 5 MIT Indoor Flying

February 13 Lazy Loopers Auction Franklin Elks Hall Noon <http://www.ultranet.com/~llfc/>

February 16 Club Meeting

February 19 Indoor flying at Sudbury High School

February 22 CRRC Board of Directors Meeting

February 26 Indoors Contest Northern Essex Community College Haverhill

February 25, 26, 27 WRAMS Show White Plains New York

March 4 MIT Indoor Flying

March 15 CRRC General Meeting.

March 18 Indoors Contest Northern Essex Community College Haverhill

March 21(?) CRRC Board of Directors Meeting

April Fool's Day MIT Indoor Flying

Y2K FUN-FLY PICS



2000 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 Year 2000 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

\$30.00 OPEN Renewal by March 1st

\$35.00 OPEN March 1st 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 DO NOT want my address to appear in the club phone book

I'M INTERESTED IN THE FOLLOWING:

TRAINERS/SPORT PLANES

GLIDERS

SCALE/SEMI-SCALE/QTR SCALE

ELECTRICS

PATTERN

DUCTED FANS

HELICOPTERS

RACING

INDOOR/PARK FLYERS

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 _____

53.1 _____ 53.2 _____ 53.3 _____ 53.4 _____ 53.5 _____ 53.6 _____ 53.7 _____

53.8 _____