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GENERAL MEETING

Wednesday

Jan 20th

7:30 PM

The Club Meeting will be held at the **Goodnow Library in Sudbury**. Bring a friend or just come alone. See directions on the last page.

GUEST SPEAKER:

Ray Harlan

Ray he will talk about indoor free flight modeling and the events he has attended. He will also discuss and demonstrate the winning and other models. Last year Ray appeared in the AMA magazine.

A great presentation not to be missed.

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RAFFLE

First Prize

**Spirit Elite ARF
2-Meter Sailplane**



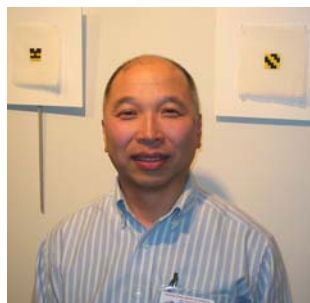
Second Prize

SIG Rascal C Kit



WON
a
COOL TOOL
for
Show-n-Tell

President's Letter



Happy New Year!

I hope everyone had a happy holiday season. I enjoy the holidays, but there is usually not much free time for modeling activities. Luckily, the weather was perfect for

the Frozen Finger Fun Fly on New Year's Day. We had a great turnout at Medfield. The runway was in perfect condition for skis, and thanks to Dave King and his snow blower, the snow cover was thin enough for Ken to try taking off without skis (can't remember if he was successful).



Brad Kaye, Ken Antonellis, and Tom Stammberger

Brad Kaye from Millis Club grilled delicious cheese burgers and hot dogs for lunch. By the way, congratulations to Brad Kaye, who is the new President of Millis Club for 2010.

Haiti Emergency Relief

The people of Haiti are in desperate need of emergency relief from the devastating earthquake. However, volunteers or material items are not the most useful items at this time. The best thing that most of can do is donate money to organizations that are best equipped to help.

You can go to www.google.com/haitiearthquake to get a list of organizations. One of the organizations listed is Direct Relief International (www.directrelief.org). 100% of your donations go to relief efforts. Their administrative costs are paid for by a special bequest to the organization.

If you make it out to the field, keep your fingers warm, and fly safely!

**- John Eppling
CRRC President**

Treasurer's Reports

Report Date 01/08/10

Starting Balance 11/30/09

Checking	\$8,278.38
Cash Box	\$25.00
PayPal Acct	\$0.00
CD Accounts	\$6,778.55
Total Starting	\$15,081.93

Income

Interest - CDs	\$7.64
Raffle and dues	\$283.50
Total Income	\$291.14

Expenses

Field Mowing #1814	\$700.00
Meeting expense, #1815	\$29.41
Auction Raffle, #1816	\$271.89
Total Expenses	\$1,001.30

Ending Balances

Checking	\$7,832.47
Cash Box	\$25.00
PayPal Acct	\$0.00
CD Accounts	\$6,786.19

Grand Total Ending 01/01/10

\$14,643.66

**- Richard Roy
Treasurer**



DECEMBER GENERAL MEETING MINUTES



General Meeting Minutes for December 9, 2009.

Business Meeting.

President John Eppling called the meeting to order at 7:45 PM, at Goodnow Library, Sudbury, MA.



The treasurer's report and secretary's meeting minutes were approved as written in the December newsletter.

Field Reports.

Dick Roy was flying at Davis earlier in the week. The first Sunday Afternoon Electric fly-in was held at Davis this past Sunday. No Bill Martin field report.

Membership Report.

Membership chair Ray Harlan reports our membership roster stands at 26 for 2010.

Board of Directors Volunteer.

Alan Marshall volunteered to attend the December BOD meeting as member at large.

Old Business.

No old business

New Business.

Tom Stammberger reports that he plans to add two new features to upcoming club newsletters. Each month Tom plans to highlight one club member with pictures and a story. Tom also plans to create a profile for each new CRRC member.

The annual January 1st Frozen Finger Funfly will be held at Bill Martin Field, at 9:04 AM, weather permitting. Davis Field will be the alternate location.

New Wings.

No new wings tonight.

Guests.

No guests tonight.

The business meeting closed at 7:55 PM.

Raffle Winners.

Tony Davids found some great deals from Hobby Lobby's Thanksgiving sale for tonight's raffle prizes.

1st Prize F15 Eagle Aggressor went to Richard Gammon.



2nd Prize 20 Amp power supply went to Tony Davids



Show And Tell.

Tom Bauer's Tom Martin Sweitzer 1-26 EPP glider is coming closer to completion. Tom has filled and covered the wings with bi-directional fiberglass packing tape.



Tony Davids brought along an F-4 Phantom Ducted Fan, made out of molded styrene foam. Tony also showed an SR71 Black Hawk. This

dual ducted fan has retracts and a steerable nose wheel.



Tom Stammberger displayed his newest ducted fan-jet foamy, a Hobby Lobby Lynx XF. This is the fourth Lynx XF in Tom's collection (may the first three rest in pieces). Tom modified the airflow to enhance cooling of the ESC. Tom reports that the maiden flight went very well.



Richard Gammon is converting a plywood framed flat-wing trainer from gas to electric. Richard mounted an out-runner in the fuse.



Ray Harlan has started construction of a 1980 Gentle Lady. He brought the horizontal stabilizer for tonight's show and tell. The kit box still bears its original \$18 price tag.



Evening Program.

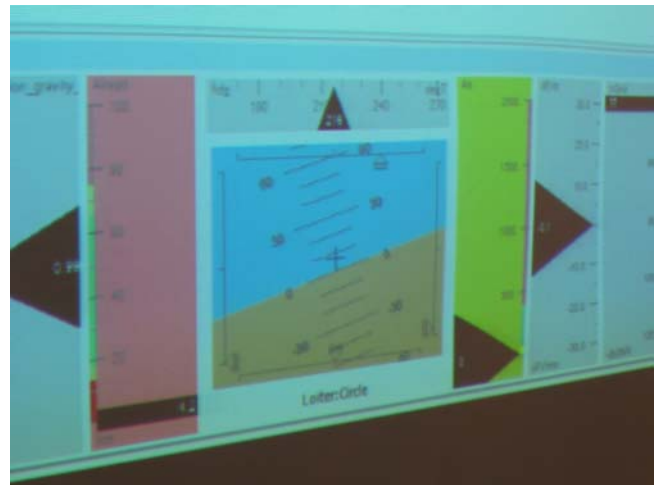
Jim Hall, one of CRRC's newest members, is taking a step that many dream about, but few actually take. He is using his RC and software engineering background to create a new business venture, Uthere LLC, to develop and market Unmanned Aerial Vehicles (UAV).

While last month's speaker, Adam Woodworth's company, Aurora Flight Sciences Corp is developing UAVs targeting DOD and law enforcement customers; Jim's target audience is

the consumer market. Jim has engineered an electronics and software package that monitors airspeed, GPS position, and altitude, and reports video and telemetry to a ground based operator.



A 2.4 Ghz up-link and 900 Mhz down-link allow the operator to pilot the aircraft from a laptop. A conventional 72 Mhz "tranny" is used by a safety pilot. An IMU (Inertial Management Unit) provides an artificial horizon that helps maintain the aircraft's orientation.



The aircraft can autonomously remain on station without operator input. Jim has been concentrating on developing an inexpensive and simple, but rugged airframe to test his system, and has selected a flying wing, similar to a Unicorn.

Jim has extended an offer to CRRC members to test fly his system at no cost. He is looking for feedback on how it flies, and soliciting suggestions for improvements.



General meeting ended at 9:30 p.m.



Jim has a goal to market his product Ready-To-Fly, with a price tag about the cost of a Nintendo gaming system.



Jim's website, <http://uthere.com>, is just a home page at present, but keep watch for future developments.



- Larry Wetmore
Recording Secretary

Our Guest Speaker: Ray Harlan

Ray Harlan has been flying indoor free flight models for more than fifty years. He has held many national records (currently five), both as a senior class flier, in his youth, and as an open class flier. He has been a member of the US Indoor Team twice (1980, 1982). The 1980 team won the World Championships. He has attended the US Indoor Championships for the last nine years. In 2009 he officially flew eight events, winning them all.

At the meeting on Wednesday, he will discuss and demonstrate the winning models and a couple of others. They are both rubber powered and electric. None weighs more than five grams and some weigh less than half a gram. If you have never seen one of these models flying, you are in for a real treat. Ray is the only serious indoor flyer in New England.



- ***Richard Gammon
Vice-President***

Member Profile of the Month: Ruane Crummett



Nov 2008 CRRC Electric Fun-Fly

I am a Mass. licensed carpenter. I also have a Class A CDL to drive big trucks.

Some of my other interests include motorcycles, restoration of a 1953 Ford P/U and building wooden toys.

During the summer of 1973 while driving by Callahan State Park with my mother, I saw r/c planes in the air. We stopped at the field and on the way home went to Fisher R/C Hobbies in Framingham.

Right from the start I was fascinated just by observing. I was fortunate to have great instructors such as Neil Kaufman and Paul Leleivre.

In the mid 1970's I built many Lou Andrews kits such as HRay, Aero master and Trainer master. The first kit I built was a Carl Goldberg Falcon 56. My first airplane was a tri-star trainer, 25 size made by Pilot Models.

In the late 1970's during the CRRC Soar-In, at the drop zone, I used my dirt bike to retrieve winches, putting one line on each handlebar. Boy have times changed with retrievers.

In the 1980's I turned my attention to flying r/c helicopters for about 10 years. I flew at Weston High School with John Posner and Alex Lob to name a few.

In the early 1990's I worked at Fisher R/C Hobbies, first in Framingham for Bob Fish and later in Natick for Bill Johnson.

In 1993 I was vice-president of CRRC while Bill Martin was the president. It was Bill that talked me into being the President in 1994.

From 2000-2003 I worked with graduate students at MIT as a builder/pilot for a program of unmanned aircraft. The wingspan of the airplane was about 14 feet.

I have always been a model builder. I started out with plastic models and rubber powered Guillows planes. My first scale built model was a Travel Air Mystery Ship which I painted in the black and red scheme.

In 2005, 2006 and 2007 I competed in the Top Gun invitational contest in Lakeland, Florida. The first year I flew an orange cub that I built



Ruane and his girlfriend Linda with his scale cub at the Gardner Scale Qualifier in 2006



Nov 2009 – Ruane at the CRRC Auction

The two subsequent years I flew in Team Scale with Ed Omiccioli, flying his Spacewalker II. In 2006 I qualified for the Scale Masters and got to visit and fly at the AMA site in Muncie, Indiana. Jack Buckley was instrumental in inspiring me to fly scale models in contests.



Jan 2008 – CRRC Frozen Finger Fun-Fly

By my calculations I have built around 50 r/c airplanes. I think I enjoy building as much as flying.

- Ruane Crummett
- Thomas Stammberger

UPCOMING CRRC EVENTS

January 20, 2010

CRRC – GENEAL CLUB MEETING

7:30p Goodnow Library, Sudbury, MA

January 26, 2010

CRRC – BOD MEETING

7:30p Goodnow Library, Sudbury, MA

February 17, 2010

CRRC – GENEAL CLUB MEETING

7:30p Goodnow Library, Sudbury, MA

CRRC 2010 Frozen Finger Fun-Fly

On January 1, 2010 my alarm clock went off at 7:30 a.m. – yes, I probably could have slept for another couple of hours. It said to myself, the Frozen Finger Fun-Fly only happens once a year. My wife was sound asleep and I was sure that I was going to be back before she got up. I got up, dressed warm, got my plane (yes only the WingDragon), and set out on the hour long drive to the Bill Martin Field.

As I pulled into the snow-covered dirt road, it didn't look bad. Besides I was in our RAV4. As I pulled up to the flight line it was around 9:15 and there was already action at the field.



This year the Millis club also had announced their Frozen Finger Fun-Fly. While our group was less than a hand full, Millis was well prepared and well attended. They had a nice fire going in a portable fire-pit. Also, in the back of a truck was a large grill waiting to be fired up for the hot dogs and burgers.



Donuts and coffee were also made available on the picnic table.



John Eppling, Ken Antonellis and I were pretty active with our planes that morning.



From fuel, to electrics, and pusher jets, there were a variety of planes in the air that morning.





As the morning progressed, I decided to take some aerial pictures of the field and its surroundings.



Winds were fine. Nevertheless, as the morning progressed, the wind started to increase. I must admit that I had fun flying my loyal plane. I even had a blast doing some aerobatics: loops, rolls, inverted, and static soaring into the wind. Some of the bystanders could not believe the stunts I was doing with my plane. As I mentioned to someone: “the only thing I have not been able to do with the WingDragon are knife-edges”- we laughed.



In all, I had fun. I would have really liked to see more CRRC folks; maybe next year. And now it's time to build some planes. Happy flying in this year!

- **Thomas Stammberger**
Newsletter Editor

CRRC BUILDING AND FLIGHT INSTRUCTORS

To start your flight instruction; please call our chief instructor:

Richard (Dick) Williamson
978-618-5475

Dick will match you with one club instructors. Our instructors are qualified and willing AMA pilots and fellow club members.

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 Brian or any of the building instructors.

Name	Town	Phone	Building	Glider	Electric	Fuel	Helicopter
Dick Williamson	Sudbury	978 618-5475	Yes	Yes	Yes		
Fritz Bien	Concord	978 369-1720	Yes	Yes	Yes		
Tom Bauer	Wellesley	781 235-7344	Yes	Yes	Yes		
Brian Rickman	Marlborough	774 249-2494	Yes		Yes		
Derick Veliz	Acton	978 337-7867	Yes		Yes		
John Weigel	Natick	508 655-2138	Yes				
Richard Gammon	West Boylston	508 835-2049	Yes	Yes	Yes	Yes	
Ken Antonellis	Natick	508 653-8369		Yes	Yes	Yes	
Bruce Schneider	Hudson	978 562-9900		Yes	Yes		
Lincoln Ross	Littleton	978 800-0608		Yes	Yes		
John Nilsson	Clinton	978 368-7136		Yes			
Dave Walter	Hudson	978 562-5400		Yes			
Tom Stammberger	Winchester	617 501-7403			Yes		
Jon Leehey	Wayland	508 358-5721				Yes	
Tony Davids	Stow	978 568-9598					Yes

TREE CLIMBERS, KEYS, MEMBERSHIP & BOARD MEETING

TREE CLIMBERS

Loyd Keyes: [Wayland]
508-358-9197 or 508-341-0110

Paul Harrington [Medfield]
508-376-2573

Monkey Man [Marlboro]
508-215-4290

Scott: 508-203-3845 [Sudbury]

Tony Morais
A1 Tree Services [Framingham]
508-626-0088 or 800-657-7788

Editors Note: If you know of any tree climbers or tree services, please send contact information to the Newsletter Editor

Keys to the Bill Martin Field

To get a Key for Bill Martin Field in Medfield please email Ken Antonellis at [kxa\(at\)verizon.net](mailto:kxa(at)verizon.net). Ken

is the key-master. He will send out instructions as soon as he hears from you. A \$5 deposit is required the first time you receive a key.

MEMBERSHIP

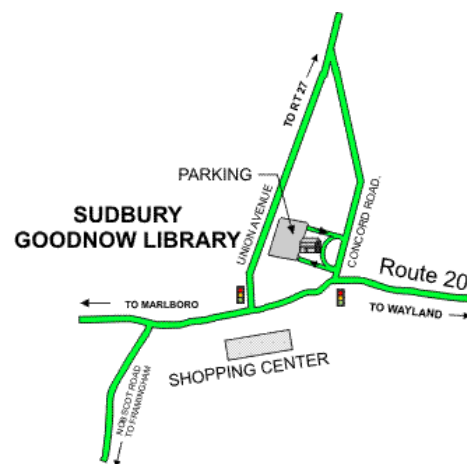
Here are the updated CRRC membership figures. The table summarizes the membership status from 2000 through current month, 2009.

Year	Renewals	New Members	Peak Totals
2000	112	62	174
2001	124	50	174
2002	138	58	196
2003	156	40	196
2004	153	42	195
2005	144	20	164
2006	124	26	150
2007	132	32	164
2008	100	23	123
2009	90	28	118
2010	35	-	35

-Ray Harlan
Membership Secretary

THIS MONTH'S DIRECTOR'S MEETING

The next directors meeting will be, Tuesday, January 26th at 7:30 PM, at the Sudbury Goodnow Library. All club members are invited to attend. Please volunteer to attend at the next club meeting.





THE CHARLES RIVER RADIO CONTROLLERS, INC

2010 MEMBERSHIP APPLICATION

AMA Charter 339

Name _____ AMA No. _____

Street _____ Birth Date (AMA req'd) _____

Town _____ State _____ Zip _____ Tel. () _____ - _____

E-mail _____

IMPORTANT: You must be an AMA member in order to receive your CRRC membership card.

To receive membership card and field pass, bring this application to a club meeting, or mail to the membership secretary (address below). You can pay by check or use PayPal.

(PayPal to [membership\(at\)charlesriverrc.org](mailto:membership(at)charlesriverrc.org))

Please make check payable to:

Charles River RC

Ray Harlan
Membership Secretary CRRC
15 Happy Hollow Road
Wayland, MA 01778
508-358-4013

E-mail: [membership\(at\)charlesriverrc.org](mailto:membership(at)charlesriverrc.org)

SAVE \$5 - EARLY BIRD DUES RATES ARE LISTED

	MEMBERSHIP CATAGORY	On or before Mar 1, 2010	After Mar 1, 2010
☐	OPEN Member	\$40.00	\$45.00
☐	JUNIOR member, (Under 19 before Jul. 1)	\$10.00	\$10.00
☐	SENIOR member, (If age 60 before Jul. 1)	\$30.00	\$35.00
☐	SENIOR member, (If age 75 before Jul. 1)	Free if AMA member	Free if AMA member
☐	Full time STUDENT	\$20.00	\$25.00
☐	Family member additional to OPEN membership	\$20.00	\$25.00

Please chose from the options below:

- ☐ DO NOT include my personal contact information in the club phone book
- ☐ Send Newsletter via US Mail.

Help reduce operating costs by downloading the newsletter on line. CRRC pays roughly \$20 per year for each mailed newsletter subscription

NOTICE: THIS MONTH CRRC CLUB MEETING

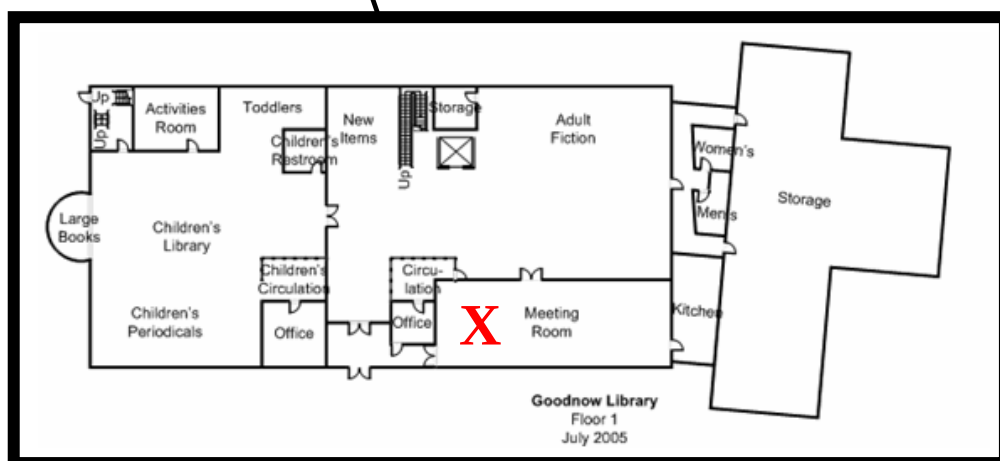
Guests are welcome!

When: *Wednesday January 20th, 2010 (3rd Wednesday)*
Note: Check for the meeting announcement in our monthly Newsletter.

Time: *7:30 p.m.*

Where: *Goodnow Library in Sudbury, MA*
21 Concord Road
Sudbury, MA 01776

Directions: *0.1 miles on Concord Rd off RT 20 in Sudbury.*



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