



B U R L I N G T O N

RC FLYERS

AMA CHARTER 1752

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SEPTEMBER 2007



Big boys make their return!

Next Club Meeting
September 11th, 2007
VFW Hall, Lexington



Secretary's Report

for June 12, 2007 membership meeting, by Mel Suarez

Al Prudhomme presided and started the meeting at 7:30pm. There were about 20 people in attendance.

Guest Speakers

Carl Dietrich and Adam Woodworth were introduced by Mel Suarez. They were the team leaders in MIT's entrance into the AIAA Design-Build-Fly Competition.

Carl is from Wisconsin. Adam is local. The two were members of an 8-member team that competed in Tucson, Arizona in late April. They took a full year to design the plane. There was a Flight Mission and a Ground Mission to the contest.

In the Ground Mission, you start with the plane in the box and they time how long it takes to get it out of the box and into flying configuration.

Check out this You-Tube link showing the amazing video they made capturing some of their experience: <http://www.youtube.com/watch?v=0A0-MU61oJc>.

They developed an in-depth, scoring sensitivity analysis to see what made sense to go after. (Secretary's comment: They did an amazing job so as to not waste time on details that didn't make much difference in the final score.)

There were 50 registered contestants, 38 showed up with planes of which 25 had planes that actually flew.

The young team performed a figure-of-merit selection that started with everything that could possibly work, down to 4 designs. They figured that "If we look through the numbers and the airplane will fall out."

"Most teams talked in 'pounds', we talked in 'grams and didn't care about pounds." (Secretary's note: There was a difference in attitude with respect to weight.) Hobby Lobby Screamer motors are only \$50/ea! Don't ever trust manufacturer's specs, they are wrong – the item you are purchasing being either better or worse!

They built it to fly, not to crash! In other words, if it crashed, they would have to do a rebuild. They built everything with an extra so they could build another airplane if it came to that. They went thru about 20-30 props (!) and discovered that the windings on the motors melt at 170deg!

The vehicle they came up with was biplane so as to fit in the box without the need for disassembly. The motors on the bottom wing caused some strange effects such that the bottom wing would never stall. "I was kind of confident that the plane would fly, but it was time to take off to Arizona!" OSU was there in a big way with giant entourage, bands, etc. It was a huge deal for them.

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Next Club Meeting

Tuesday, September 11, 2007

7:30 pm at the Lexington VFW Hall,
2 Hayes Lane (off Woburn Street)
Lexington, MA Coffee and donuts
will be served!

TechTalk: Roadable Aircraft Vehicle

Carl Detrich, CEO of Terrafugia, will give a TechTalk on roadable aircraft vehicles. The company's first prototype is RC.

Show and tell—bring a plane for a free raffle ticket.

Raffle Prizes:

ARF airplane, \$25 gift certificate, and a few other goodies.

Club Activities

RC Events

Sunday September 16th

Fall Field Day from 830am-10am then...

BRCF Fly-in and BBQ, Burlington, MA
email: mel@mlsuarez.com for more info.

Photos on Page 6



Club Elections!

At the November meeting, we will vote in new club officers for the upcoming year. Please come and cast your vote!

The Presidents Letter



Our first meeting of the year is just around the corner (Sept 11th) and lots to discuss, as always. Please try to make it and get the new series of meetings for 2007 off to a good start.

Wow what a turnout for our August 5th Bar b Que at the field. I was glad to see a such a response, and to get all the "stuff" down to the pit. I just could not ask for more help, and this made the whole effort so much fun and easy, so much so, we are planning another Field Bar be Que for Sept 16th as a early fall event, this will duplicate our August one and will start at 10:30 am. Menu stay the same. Lets

hope the weather will be on our side.

The September meeting will also be the start of the nominating committee, chaired by Juhan. Please keep this in mind, for elected officers and the board of directors. If interested please let Juhan know; I am a big fan of competitive races for office. Just maybe we could have one this year, they are lots of fun and the best positions. I have held in past situations are when they were competitive... Win or lose, with a good friendly attitude, (all others can stay away) the club goes through a good memorable fun election time. Please think this over and let Juhan or the nominating committee know at the Sept. meeting.

I am one member who has used the field a lot this summer, and appreciate the great condition Jack and crew has done keeping it in good shape,

Nominating committee, Membership, Field issues, and Bar b Que fun and raffle are all issues for the upcoming meeting. Hope to see a great turnout for Sept 11th.

Sincerely,

ALFRED PRUDHOMME, JR.
President, Burlington RC Flyers

About the cover:

This picture was taken on Sunday morning July 22, 2007 by Juhan Sonin. Large-scale pattern and 3D birds are becoming more popular at the Burlington field... now that pilots have learned to navigate the treeline.

Treasurer's Report

Bank Balance 08/24/07 \$ 3,195.22

Income

Dues	\$ 215.00
Raffle	\$ 113.00
TOTAL Income	\$ 328.00

Disbursements

Grass cutting	\$ 600.00
Brush cutting	\$ 500.00
Mower parts	\$ 35.69
Fun Fly sodas	\$ 18.43
Fun Fly prizes	\$ 180.00
Guest Dinner	\$ 32.70
Picnic food	\$ 150.00
Coffee & donuts	\$ 41.68
TOTAL Disbursements	\$ 1558.50

Bank Balance 08/24/07 \$ 1964.72

Flight Instruction

Any new member desiring to fly **MUST** demonstrate the ability to fly, or else take flight instruction until such proficiency is demonstrated.

Beginner Flight Instructors:

Victor Samsanov	(781) 279-0231
Sandy Holmes	(781) 646-2354
Juhan Sonin	(617) 504-3390
Dave Palermo	(781) 279-0186

Advanced Flight Instructors:

Victor Samsanov	(781) 279-0231
Dave Palermo	(781) 279-0186
Juhan Sonin	(617) 504-3390

Helicopter Instructors:

Alex Loeb	(617) 325-7870
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PRESIDENT:	<i>Al Prudhomme, Jr.</i>	sedate9@aol.com
VICE-PRESIDENT:	<i>Jack Stanley</i>	stanley5@rcn.com
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BOARD OF DIRECTORS:	<i>Dave Palermo, Juhan Sonin, Tony Corvino</i>	

This newsletter is published by the Burlington RC Flyers, a non-profit club organized for the promotion of radio controlled model aircraft building and flying. The club operates a flying field in Burlington, MA and offers free instruction in safe model flying to any member. "Academy of Model Aeronautics" (AMA) membership is required. Contact any club officer for more information.

Great seeing new faces

Out and About with Al Prudhomme, jr.

September. Due to a previous commitment I was not at the August BOD but know all was in good hands and all club issues were covered. In talking with board members the next day. Yes flying at the field, remarks were made about our membership and how we must keep growth in mind, realizing membership fluxuates from year to year, and we hope more or less around the high end towards one hundred, this seems to be a good number and very manageable, ie field use time etc.. dues income sure is nice.

Well I thought back on that last Sunday and a meeting I and all at the field had, and I thought interesting.

A very pleasant women walked into the field and was interested in what we were doing, I don't recall her name but hopefully will meet again, She had told me that she had recently moved into the big new apartments ,on Wheeler road, that she had started her Sunday morning walk and off in the distance heard the model planes flying, Well she started on the trail through the woods and came up to the high brush and soggy ground, so she backtracked and walked up the road,still following the motor sounds and found us She was interested and each member she spoke with, including myself,seemed to increase here interest..I even

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Secretary's Report *continued from page 2*

Day 2 – We were the laughing stock of the competition when we didn't have enough elevator to control the aircraft. We said to ourselves "Let's go somewhere else to test fly this thing." We put in a 13th battery cell, but OSU filed an unofficial protest with the judges. So we took out the 13th cell.

Flight attempt #3 – I'm learning how to fly this plane. #4 we made sure that we used a flagman. The motor got so hot, that it melted all the paint and the tube it was sitting in. Didn't fly the 2nd mission because we didn't need to. It showed the assessment was the determining factor.

Prize \$2,500 x 2 and chrome plate and ability to go international AIAA competition.

Carl and Adam have been flying since ages of 6 and 10. They were the only 2 people with RC aircraft experience out of the whole class. In the future they would like to use more of the faculty's experience. If Dr. Mark Drella had been involved he would have said "Why bother with that."

MIT ended up giving \$8,000. Travel was 75% of their budget. The plane was \$700-800; the carbon fiber was about \$150 per shell. There were no limits on money and UMD had a \$30-40k budget!

Final results: MIT 45.13, UCI 98, UT Austin 103, Purdue 131, OSU ORAGENE 159. U of Southern Cal "Dust Devil" - Crash.

Treasurer's Report

26th of March, income \$791 income, output was \$832, balance \$3,195. (See details on page 2).

Membership Report

William Frisbee – from Medford, flying for 30 years,

WWII war bird, BF 109 B4, Mig 3,

Yak 3, Stuka, p51C, BF 110, big ones, ¼ scale, 1/3 scale, 137 inch wingspan.

Dan Corley - from Waltham, never flown before, has done some photography.

Zach Booker - from Sommerville, flew for the 1st time this Sunday with Victor. "Pretty much fun."

Guest Eric Jones – from N. Reading, has wanted to learn to fly for a long time,

Nick Silva – just moved to Natick from RI, been flying for a year, trainer plane. I'm also a heli guy with a Raptor 50.

Tony Covino – built a 5 foot diameter turn table that he uses to construct aircraft w/o having to move around the table all the time.

Other News

Dave Palermo talked 9:30am Father's Day Fun Fly.

Jack Stanley will be going on vacation. Steve Stylianos will be cutting the grass on a weekly basis. Vic Naimo will be helping, getting a box of Joe's for meetings.

Coffee – Al will buy the coffee, and Vic agreed to take care of the coffee.

Al Prudhomme – mentioned that in September we should have a guest speaker from the AMA VP, Mr. Gillette.

Raffle

Dave	Telemaster airplane
Marco	Cessna Cardinal
Zach	Gallon of fuel
Paul D	Glow plugs

We adjourned at approx. 9:20pm.

Big Birds Make a Comeback

In the midst of the electric craze, big birds (1/4 scale and up) are also making a resurgence. Photos by Juhan Sonin.



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invited here to our field BBQ in Sept. but she also told us she had a friend who liked to fly model rc planes and would be sure to tell her friend about the "great" field. As most know this is not the first time someone has walked by, talked with us due to our unique activity. And I know you will agree this is good, I feel this is one of the best recruiting tools we have to help grow the club. An invite to the upcoming field, event, invite to our Sept meeting, who knows? we just might have one or two valuable new members.

Happy flying to all,
Alfred Prudhomme, Jr.

Summer 2007 photos

*A sampling of photos of all the great people and great flying from this summer.
Photos by Juhan Sonin.*

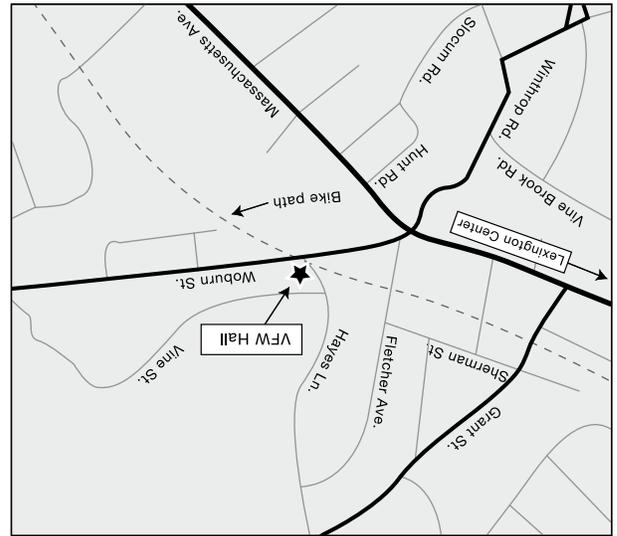




Next club meeting:
Tuesday, September 11th, 2007
Meeting time is 7:30 PM

Meeting Location

Lexington VFW Hall
2 Hayes Lane (off Woburn Street)
Lexington, MA



The Burlington Radio Controlled Flyers

NEWSLETTER

www.burlington-rc.com



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