

SKYWORDS

The Newsletter of :
Burlington Radio Control Modelers Club
P.O.Box 85174 Burlington Ontario L7R 4K4
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January 2016



PRESIDENTS REPORT JANUARY 2016

WELCOME TO THE 2016 FLYING SEASON. THE YEAR STARTED OFF WELL WITH OUR FROST FLY ON NEW YEAR'S DAY. WE HAD A GOOD TURNOUT OF ROUGHLY 35 MEMBERS.

ALTHOUGH THE WEATHER WAS NOT VERY CONSISTENT THERE WERE SOME COURAGEOUS SOULS WHO FLEW THEIR CHOPPERS AND OR DRONES IN BETWEEN THE LULLS OF THE HOWLING GALES , SNOW SQUALLS , BLINDING SUNSHINE AND FREEZING COLD.

CARRYING ON THE TRADITION STARTED BY ART TITMARSH OF WEARING SHORT TROUSERS, OUR INTREPID FIELD MANAGER , DOUG EDWARDS GALLANTLY CARRIED ON THIS TRADITION SHOWING OFF HIS KNOBBLY KNEES.

REFRESHMENTS OF HOT COFFEE , HOT CHOCOLATE , CHILLI AND BREAD ROLLS, SUPPLIED BY TIMMIES , WERE SERVED IN THE CLUB HOUSE.

A BIG THANK YOU TO PETER MENNING WHO BROUGHT HIS OWN RECIPE OF HOT , AS IN TEMPERATURE , CHILLI WHICH SAVED MY BACON AS THE TIMMIE'S CHILLI TOOK FOR EVER TO DEFROST (LESSON LEARNT DEFROST AT LEAST A DAY BEFORE) AND NEEDED JOE FAZZARI TO GO HOME AND BRING A COUPLE OF SAUCEPANS TO HELP SAVE THE DAY , THANKS JOE.

ALL IN ALL A FUN TIME WAS HAD BY EVERYBODY

THERE ARE AT LEAST 6 MORE EVENTS PLANNED FOR THE COMING YEAR BEING THE FLOAT FLY AT CHRISTIE PARK, SCALE RALLY , CANADA DAY, WARBIRDS , ELECTRIC FLY AND THE RUBBER RALLY. DATES WILL BE POSTED ON THE WEBSITE.

THE CLUB'S ANNUAL GENERAL MEETING IS COMING UP ON THURSDAY, JANUARY 28TH SO EVERYBODY PLEASE ATTEND AND CAST YOUR VOTE FOR THE MEMBERS WHO ARE RUNNING FOR A POSITION ON THE BOARD.

ASHLEY

2016 FROST FLY PHOTOS



YOUTH PROGRAMME - JOE FAZZARI

I am retired from a career that alternated between a secondary and community college teacher of mathematics, physics and computer science and a project manager for major organizations in both financial and industrial settings.

When I transitioned from fuel powered engines to electrical powered motors I realized that I could teach a complete senior secondary math or physics course around the construction and flight of an electric powered aircraft integrating curriculum in the areas of applied mathematics, applied physics, engineering principals, and construction technologies. In addition, the program could be expanded to other curriculum areas by implementing the virtual business concept.

This idea was reinforced by 3 factors:

My son who was an honor student in secondary school and graduated from an Honors Commerce Program in Management from the University of Ottawa and a Construction Engineering program from Algonquin College expressed displeasure with the fact that he did not take a construction class while in secondary school.

The Ted Talk by William Kamkwamba.

http://www.ted.com/talks/william_kamkwamba_how_i_harnessed_the_wind?language=en

After Mr. Kamkwamba's first talk he was offered a full scholarship to several high ranking universities. I am told he selected an institution that had a renowned wood working shop.

The last paragraph of an article titled The Mechanically Challenged Generation which appeared in the August 2011 issue of McLean's Magazine, and which appears below with the permission of the author Cynthia Reynolds. The full article is available on the Internet by doing a Google search of the title.

Predictably, this is affecting other industries that depend on a mechanically inclined workforce. After NASA's Jet Propulsion Lab noticed its new engineers couldn't do practical problem solving the way its retirees could, it stopped hiring those who didn't have mechanical hobbies in their youth. When MIT realized its engineering students could no longer estimate solutions to problems on their own, that they needed their computers, it began adding remedial building classes to better prepare these soon-to-be professionals for real-world jobs, like designing airplanes and bridges. Architecture schools are also adding back-to-basics courses.

My discovery of models that can be built from Dollar Store foam board and the availability of inexpensive parts sourced from the Pacific Rim have made this concept viable.

In addition to the actual construction the youth could possibly be exposed to:

Use of a computer based flight simulator to learn to fly

The basic physics of flight

Necessary terminology

Types and operational principals of fuel engines (2 stroke, 4 stroke, rotary, turbine)

The types of batteries available, maintenance and care

Concepts of propeller pitch, torque, and related electric motor power considerations.

(continued)

Concepts and calculations related to moments of force, centre of gravity, and balancing techniques and considerations

Components of an electric power system and necessary calculations to properly select and configure components

Experiments on power demands versus propeller pitch.

I have explored a number of avenues for delivery of the proposed program and finally settled on a student club at a local elementary school. The rationale for this decision can be explained in a later article if there is any interest. The program began the first week in October 2015.

VERY
IMPORTANT
THE ANNUAL GENERAL MEETING
AND CLUB ELECTIONS FOR THE
EXECUTIVE AND DIRECTORS
WHO WILL LEAD US NEXT YEAR
WILL BE HELD ON THURSDAY
JANUARY 28th AT THE CENTRAL
LIBRARY, NEW STREET AND DRURY
LANE BEGINNING AT 7 PM.

BE THERE TO EXERCISE YOUR VOTE

SAVE THESE DATES / 2016

January 28 Annual General Meeting
Central Library 7 pm

February 25 General Meeting
Central Library 7 pm

March 24 General Meeting
Central Library 7 pm

April 28 General Meeting
Central Library 7 pm

May 26 General Meeting
(Last before summer)
Central Library 7 pm

WAR BIRDS OVER THE BAY
July 23/24 Bayview Field

ELECTRIC—ONLY DAY
August 20th Bayview

Sept. 22 General Meeting
Central Library 7 pm

PROPOSED VEHICLE FOR COMMUNICATION ON CLUB PROJECTS AND ACTIVITIES BY JOE FAZZARI

Over the past few years there has been much discussion with regard to communications to members from the board and provision of input and feedback by the members. With the introduction of the Club Forum we now have an opportunity to try to accomplish this.

The following is the trial protocol that the club will use to communicate the status of activity to the membership and receive input on the specific project or activity from the general membership.

CLUB PROJECT REPORTS WITH MEMBER INPUT

The above topic has been created on the club forum.

2nd Outside Charging Station:

This would be the title of a thread set up by the person who is managing the project.

Status Report as of Jan 1 2016 (POSTED BY PROJECT MGR)

*This would be a message put up by the project manager. Any message of the form **Status Report as of (date posted)** would be indicative of a message from the manager.*

club member input - comment or input by a brcm club member

club member input - comment or input by a brcm club member

Status Report as of Feb 1 2016 (POSTED BY PROJECT MGR)

club member input - comment or input by a brcm club member

Status Report as of Mar 1 2016 (POSTED BY PROJECT MGR)

etc. etc.

Proposed Taxi Way

This would be the title of a thread set up by the person who is managing the project

pattern similar to above.

ETC. ETC.

BRCM General Meeting Minutes – Thursday December 17, 2015

Meeting Head Count - There were 47 bodies present

Motion to open meeting by I Brown and seconded by T Pritlove was passed.

Motion to accept the minutes of November 26, 2015 meeting as documented and circulated by I Wismayer and seconded by T Madge was passed.

Guests: Victor Wells

Harry Bernard was in attendance (looking good)

New Members: none

Wings Presentation: none

Skywords Deadline: not specified

January Meeting Date: Thursday January 28, 2016 **AGM MEETING & ELECTIONS**

IMMEDIATE ACTION ITEMS

DATE	RESPONSIBILITY	DETAILS	STATUS
Apr 23	A Armstrong	Report on City Joint Venture Mtg	Waiting on city
Apr 23	W Wepler	Investigating Geotech runway for Bronte	
Apr 23	J Fazzari	2 nd Bayview outside charging stations report	On hold
	J Fazzari	Bayview Weather Station	On hold
	J Fazzari	Proposed Youth Group	active
Nov /15	W Wepler	Electrical Requirements for 2 nd O/S chrg station	April 2016
Dec /15	N Marchant	Keep members posted on status of MAAC response to FAA registration requirement.	
Dec /15		Explore possible link on web site to FAA registration details	
Dec /15	W Wepler / B Ayre	Discuss Forum moderator protocols and changes	ASAP

NEW BUSINESS

President's and General Comments

CAUTION:

It was pointed out that one should never wander the bush surrounding the Bayview Field alone or without someone on site knowing what you are doing. This was re-enforced with 3

Recently a spectator who was assisting in the search for a lost plane suffered cardiac distress during the search.

There have been 2 incidents indicating that a large cat – described as a Cougar – is in the area.

Harry Bernard related how his recent fall would have left him helpless if it had occurred in an isolated area.

U.S. FAA FLYING RULE CHANGES:

In the U.S. the FAA is in the process of implementing a requirement that all RC Model Pilots have a registration number provided by the FAA and for which each pilot must apply. This registration number must be clearly visible on all air craft flown by the pilot. We are hearing that failure to comply will result in fines of several thousand dollars. It was stated that the size of the planes impacted is .5 lbs to 55 lbs.

THIS ALSO APPLIES TO NON-US CITIZENS

We will not provide any other information at this time as what we are hearing is changing on almost a daily basis. Any member planning on flying in the US, either for an event or during a prolonged stay at a winter retreat must look into this.

For the time being MAAC is recommending that all RC pilots put their name and address on each RC vehicle. We will ask our MAAC Rep – Neil Marchant – to keep the members posted on MAAC's position with regard to this item.

There was a request to put a link to information related to this topic on the Web Site

<https://www.faa.gov/uas/registration/faqs/>

Problems have been reported regarding attempts to register from Canada.

January AGM

The January General Meeting will be the Annual General Meeting with board elections taking place.

Peter Krautter will be facilitating the election process. Please advise him if you wish to run or have any questions.

There are 4 current board members who will not be running for positions this year.

New City Contract

A Armstrong is still waiting for city to respond to his request for a meeting

City has indicated that they do not see a problem with a 10 year time period on the lease.

QUESTIONS/INPUT FROM THE FLOOR:

Jeff Norman knows the flight engineer for the Lancaster and will try to bring him in for the entertainment portion of one of the meetings.

John Moschini has taken his family to the I Fly skydiving venue in Mississauga. He reports that it is great fun and a very worthwhile family activity. Package costs very but you can get 4 4 minute sessions for \$100.00.

Our MAAC insurance will be going up by \$10.00 as the master plan rate is increasing due to 2 or 3 outstanding claims that may result in MAAC being sued.

15.10.1 Club Documentation

The logic behind this was described in some detail in a recent issue of Skywords. The new board will have to make a decision on the future of this item. As of now it is being cancelled.

15.10.2 Member Feedback

- A club Forum has been set up – see more details under Web Site
- It can be accessed from the Home Page tab when a user is actually on the home page
- It may be necessary to refresh the Home Page to change the function of the tab

Protocols remain to be set up for the Forum management and other specialized communications

15.10.3 January 1 2016 Frost Fly

As no volunteers have stepped forward A Armstrong will coordinate event this year with assistance from J Fazari.

15.2.5 Bayview Weather Station

NOTHING REPORTED

14.4.1 Youth Program

- Progressing well Current problem is that all the students are at different stages and require personal assistance with each stage. Again the lack of skill, knowledge, and comfort in using basic tools is troublesome

14.9.1 Out Door Chrg Stns NO ACTION EXPECTED UNTIL APRIL – MAY 2016

15.12.1 June Float Fly

- Due to the fact that Laddy Mikulasko has some personal matters that must be attended to, he will not be able to coordinate the activity this year.
- He has taken care of some of the preparation details

The event will be taken over by Ivan Wismayer

Warbirds Over the Bay

- The theme this year will be Naval Aircraft
- We are in the process of developing a new brochure
- Contacting sponsors will be initiated shortly
- Harry Bernard reported that Sepp Uiberlacher thoroughly enjoyed the 2015 event and was sorry to hear that it would not be held in 2016. This of course is not correct as it will be held in 2016. We don't know where Sepp

Field Maintenance

Bronte IF THE FIELD IS WET PLEASE DO NOT DRIVE UP TO THE CHICKEE.

Bayview Recently someone has been flying at Bronte almost every day due to the nice weather.

SPECIAL ITEM UPDATES

Wings Program Nothing to report at this meeting

WEB Site

- Events are up to date
- Warbird flyer will be updated as soon as it is available
- The Club Forum application has been added to the web site and is fully operational
- It is accessed from the Home Page Tab when the user is on the home page
- If it is not displayed on the Home Page Tab – refresh the Home Page to make it visible

Bill Ayre has express interest in functioning as the Forum Moderator – protocols, security and arrangements will have to be made between Bill and Wade Wepler

There was a request to put a link to information related to the FAA requirement to register RC aircraft on the Web Site <https://www.faa.gov/uas/registration/fags/>

Motion to close meeting by I Brown and seconded by D Irvings was passed.

CRITICAL DATES

Annual Frost Fly	January 1, 2016
Southern Ontario Giant Scale Rally	June 24 & 25, 2016
Warbirds Over the Bay	July 23 & 24, 2016