

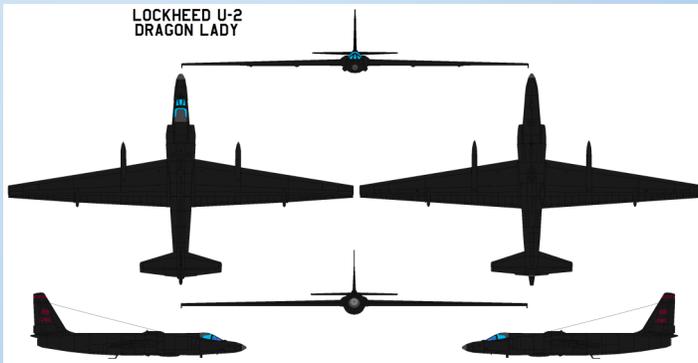
# SKYWORDS

The Newsletter of :  
Burlington Radio Control Modelers Club  
P.O.Box 85174 Burlington Ontario L7R 4K4  
WWW.BRCM.org

June 2015



## ***DON'T FORGET***



**SCALE RALLY - JUNE 20th**  
**BAYVIEW PARK**  
**0900**

**VERTI-GO - JUNE 27TH**  
**BRONTE PARK**  
**0900**

**WAR BIRDS OVER THE BAY**  
**JULY 25 & 26**  
**BAYVIEW PARK**

# WARBIRDS OVER THE BAY



## **Burlington Radio Control Modelers**

**July 25th & 26th, 2015**

*Hours of Operation: Sat. 09:00 AM - 3:00 PM Sun. 10:00 AM - 2:00 PM*

**At the BAYVIEW MODEL AIRPORT  
1800 King Rd. Burlington ON  
CANADA**

JOIN IN THE 75th ANNIVERSARY CELEBRATION OF THE BATTLE OF BRITAIN

Event is open to military aircraft of any era, Jet and Helicopters welcome  
(no camo trainers please) MAAC or AMA required to fly.

No charge overnight camping (no hookups) 110v power available for  
charging electrics, radios etc. Pre-Register for Camping is recommended.

Pre-Registration: \$10.00 until June 30, 2015, \$15.00 after that date  
Pre-Registration available on our website at [www.brcm.org](http://www.brcm.org) and click  
on Warbirds Tab

Food, Fun, Fellowship, Raffles and Pilot draws.



This is a MAAC sanctioned event

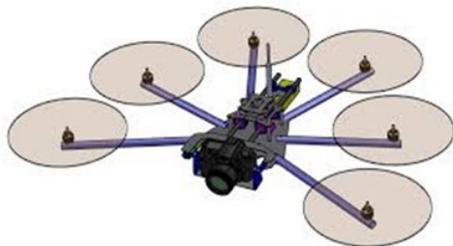
400 x 30 ft Blacktop runway with adjacent grass runway.  
Saturday night flying. Sponsored by Skycraft Hobbies

Lunch time Demo's. Plenty of parking and overnight camping.  
Huge prize pool from our many generous Sponsors.

*For further information: CD Ian Brown [ian.brown3344@gmail.com](mailto:ian.brown3344@gmail.com)*

[www.brcm.org](http://www.brcm.org) Warbirds Over The Bay

JUNE  
27



**VERTI-GO** A fun-fly for all those things that take off vertically under RC Control. All pilots must be able to produce a current MAAC membership.

Burlington Radio Control Modelers  
Bronte Model Airport  
Bronte Park, Burloak Drive, Oakville  
Saturday June 27, 2015 9AM to 4PM

Rain Date Sunday 29th

Free but Park Entrance Fee Applies

# **Verti-Go** **at Bronte Park** **June 27 2015**

A fun fly for vertical take off models  
under radio control

Bronte Park Entrance off Burloak  
Drive 1 km north of QEW

No fee for event

Park entrance fee \$17 per vehicle any  
number of occupants (\$13:50 for sen-  
iors) or Ontario Parks Pass

Tim Hortons with parking on Bur-  
loak .5 Km north of QEW

Rain date Sunday June 28.

Current MAAC membership card re-  
quired.

Food on site

Toilet on Site

## **SAVE THESE DATE**

### **SCALE RALLY**

**June 20 Bayview 9 am**

### **VERTI-GO**

**June 27 Bronte**

**9am to 4 pm**

### **WAR BIRDS OVER THE BAY**

**July 25/26 Bayview Field**

**Sat 9 am to 3 pm**

**Sun 10 am to 2 pm**

### **ELECTRIC - ONLY DAY**

**Aug 22nd Bayview Field 9 am**

### **RUBBER FLY**

**November General Meeting**

**Nov. 26—Central Library**

### **NEXT MEETING**

**Thursday Sept. 24**

**Central Library 7 pm**

## Nimrod MR4A .. Paul Chitty

After finishing the Fairey Gannet I thought a break from building was in order, that is until I saw a set of plans for a pusher prop driven nimrod MR1 in a British magazine. With a wing span of almost 90 inches and a plan weight of about 7lbs I decided there was ample wiggle room to make it an MR4A with 4, yep I said four 70mm ducted fans and some real bogey type main undercarriage.

For those of you that are not familiar with the Nimrod, it started its life as the De Havilland comet 4C airframe and was modified to be a long range reconnaissance airplane to take the place of the aging Avro Shackletons back in the late 1960's. Although only the MR1 saw service as the MR4A version was scrapped before reaching Sqdn duty due to delays and huge cost overruns.

First job was to modify the wing centre section to take the EDF's and retracts, this turned out to be the major part of the modifications because the original main spar was solid right and I needed jet inlets. The finished main spar was made using carbon fibre with ply backing for rigidity and strength. The swept wing was a bit difficult but it did come together eventually. I used pink insulation foam to form the jet nacelles and outlets then skinned them with 1/16 balsa as that size was easy to shape. Then I lined the pipes with black card to make them smooth. The EDF's are actually 68mm units with 85 Amp programmable Data Logging ESC's with a stated thrust of 1.75 Kg of static thrust each. They reside right in the middle of the wing and I have planned to have venting in front of and in the rear of the wing for cooling.

Next came the 4 wheel bogey retracts. I needed to make wheel wells that were in the scale position so the actuators impinged on the outer jet pipes so they required some aerodynamic mods to lessen the loss of thrust. There was a need for door sequencing so I acquired some linear gear door servos then molded the gear doors out of fibre glass. It has ailerons and two part flaps in

each wing. Because I needed strength and lightness at the same time I made the whole wing one piece, it will be a pig to get in and out of the house and the car but I achieved my goal. At this time with all electronics including batteries and undercarriage installed the wing weighs around 10lbs



I decided on Nav and Landing lights so it has 2mm LED landing lights in each wing and red and green wing tip, white tail and upper and lower red rotating beacons all driven from a separate Lipo pack. All of the electronics, EDF's, undercarriage and batteries are from Hobby King. All that remains to be done at this time is the finish sanding and fibre glassing.



Next up came the fuselage. It is basically a 90inch long tube with large dihedral on the horizontal stab. There are winglets half way along the stab which apparently help to stabilise the plane during slow flight and help keep it straight on take offs, I'm guessing that the MAD tail causes all kinds of turbulence because of the engine positioning. There is a large ECM pod on the top of the fin making it look strange.



So at this time the major airframe work is done, I now need to finish and fibre glass the whole thing, install the tail servos and nose wheel steering servo and find a safe home for the 10 channel receiver.

I will write a follow up article when the project is finished.



Article and photos submitted by Paul Chitty.

Thanks Paul—look forward to the follow up article with in-air photos.

A1

## The Wings Program needs Instructors

For the past few years we have relied on a group of members who have given up their time to helping students reach a level of proficiency and confidence so that they can safely fly fixed wing aircraft at the Club fields. It is now time to get some new Instructors, so that those of the “old guard” who wish to can have more time for their own flying, traveling or whatever.

Being an Instructor is a rewarding task and is very important in helping those new to the hobby develop the passion we (pilots) all have for flying model aircraft. To be an Instructor, you do not have to be a “hot shot”. Clearly you do have to be a proficient pilot, capable of doing a first flight and trim for a Student’s aircraft, but most importantly, you need the patience to work with a novice to encourage him/her through those early stages of over control and sometimes overconfidence would most probably end in disaster for the student trying to teach himself.

If you would like to be a Wings Instructor, please contact Carl Finch at [finchcarl8@gmail.com](mailto:finchcarl8@gmail.com) or via the Wings Director link on the BRCM website

### *AS Editor, I have been asked to publicize the following points:*

Following are items that members should be aware of and take heed:

A gas-engined aircraft was heard (not seen) flying at 9.30 am one recent Sunday at Bayview. The official hours are: 0800 to dusk, Monday to Saturday; 10 am to dusk, Sundays. Whoever was flying early on Sunday morning, please desist. Thank you.

Helicopter/Drone/Multi-Rotor pilots: If you are flying from the Helicopter area do not fly into the main field where the plankers are flying. . . If you do not know the heli-pad flight boundaries please ask Joe Baus. Thank you.

**FPV MUST FLY FROM ONE OF THE FIVE PILOT STATIONS FACING THE MAIN RUNWAY**

If you are nervous about flying that new aircraft, or nervous about trying new manoevers, feel free to ask an experienced pilot to help you. You may want to go on a buddy box so if/when you make a mistake the more experienced pilot can perhaps save the aircraft.

3D pilots take note: those pilots flying circuits take precedence over those performing 3D. All the pilots flying at that time may agree to work together and that is fine. If there is a disagreement, those flying circuits get the field.

Thanks

Al Race

# ELECTRIC—ONLY DAY AT BAYVIEW



Any aircraft powered by battery is welcome to fly that day; foamies, helis, multi-rotors etc etc. No gas or nitro aircraft, nor jets (except electric ducted fans) may fly from 0900 to 1600 hours..

There will be no cost to fly, charging stations will be available, lunch of hot dogs and drinks will be available for purchase. BRCM members or their guests only please. Must have MAAC or AMA to fly.

For info call Al Race 905-637-0739

There will be pylon racing at least once in the morning and once in the afternoon, depending on how many competitors show up. Aircraft details follow from Don Irvine:

The plane is the GWS Formosa. The specs are the motor must be the RC Timer 2212/6 2200kv motor, usual cost of 9.00 to 10.00US plus shipping from China. Now, I can get them through the Electric Model Flyers of Southern Ontario for 15 dollars (actual cost landed at the door of the treasurer) and supply them to the guys that want to participate. There might be a slight change in price as our dollar tanked since I last bought any motors but it will still be less than 20 dollars. The prop must be the APC 6x4E and no other will be allowed. Battery is limited to 1400mAH either 2s or 3s. The full rules are on the EMFSO website <http://emfso.org/smf/index.php?topic=3350.0> The rules are pretty straight forward and so easy to follow. Mine is more than heavy enough to run in 3s and yet I run it in 2s with no trouble and it is built right to the rules. If you want any more info, give me a call on my cell at 416-434-3823. Take care.

Don

## JET BLAST

With the warm weather arriving, the Jets are in the air at our Bayview Model Air Field. For 2015, a few new jet models have surfaced from our work shops.

Eric and Chris Klepsch have finished and test flown the following ducted fan jets.

\*A-10 Warthog: This 60 inch wingspan twin 70mm fan model is driven by a 6 cell - 5500 mah LIPO, and has about 25 flights to date. With an onboard sound system, the Gatling Gun with a blinking red light looks and sounds really cool on a low pass.

\* F-86: This is a 60 inch wingspan 90mm fan model. Chris has painted and detailed this model similar to the first Sabre (1951) acquired for our RCAF which is on display at the Edmonton Aviation Museum. (See picture)



Gary Arthur has purchased a big (1:4.5 scale) BAE Hawk. Rick Muller has agreed to modify, paint and detail this model in the Saudi Royal Air Force desert color scheme. (See picture below)



Max Xu has imported a foam twin 64mm Su-27 jet model from China. Tim Bidwell is the test pilot of this prototype model and Eric Klepsch has balanced the fans and motors. Tim has recommended improvements for possible production.

Rich Muller has acquired a 1:6 scale Euro Sport jet (similar to the Euro Fighter) from Gary Arthur. It hasn't flown yet.

I have rebuilt and flown my Boomerang jet. I love the smell of Jet-A fuel!

Cheers Ted Pritlove

**This year the Wings program is welcoming four pre-teen Students!**

In the picture are, from left to right, Caleb Brum age 9 with his dad Trevor and Wade Wepler helping 8 year old Jack Adams. Jacob Brum age 6 is in the middle and hopes to start flying next year.

In addition Darian de Silva age 10 will be instructed by Ivan Wismayer and Jeffrey Thompson's 12 year old son has requested a check out flight, since he is already flying solo.

It is great to see these young people coming into the Club, and since they learn so quickly, it takes a load off the available Instructors.



← Lawrence Cragg and Jack Adams. The club's oldest and youngest members discuss Wings training.

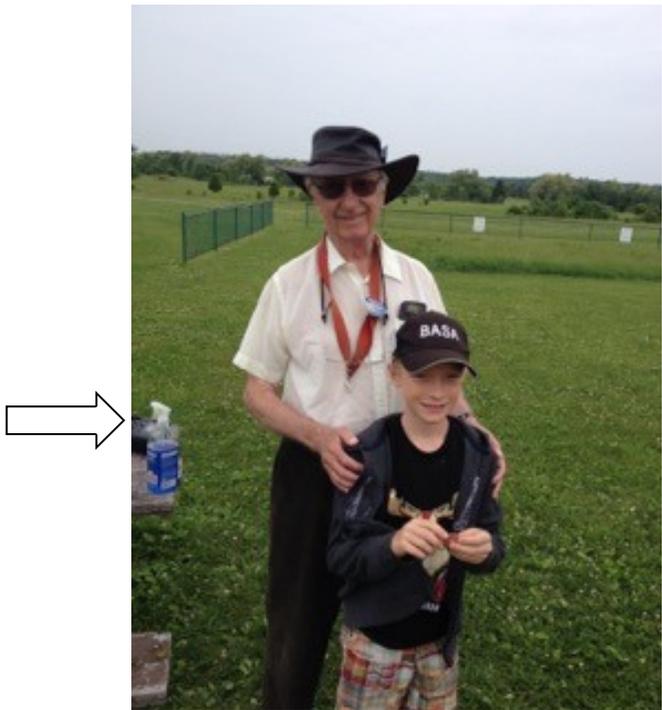
Jack Adams was presented with his wings on Sunday 14th June.

Jack has now entered in the junior division of a competition in Kingston next week-end.

Jack is 8. His instructor Lawrence Cragg is somewhat older.

Well done both of you.

Tom



***Laddie's Float Fly.  
Christie Park June  
13th.***

The weather improved through the day so with light winds and sun in the afternoon everyone got to fly. A good display of aircraft and some pretty fancy flying were the main features this year. A couple of Helis made their appearance and some interesting and unusual craft were put through their paces including, of course, laddie's Spruce Goose. The threat of bad weather probably kept some people away which was a pity as the promised rain didn't show up.

Unfortunately the weather on Sunday forced cancellation that day.



# **BRCM General Meeting Minutes – Thursday May 28, 2015**

The following are the minutes of the meeting of Thursday May 28, 2015.

**Meeting Head Count** - There were 59 bodies present

*Motion to open meeting by W Weppler and seconded by G McGill was passed.*

*Motion to accept the minutes of April 23, 2015 meeting as documented and circulated by B Swindells and seconded by J Coleman was passed.*

Guests: Joe Trinidad of Humber Valley Club Guest of Wade Weppler

New Members: Tony Van Bergen Jacques Marcotte (former Flying Tiger Member)

Geoff Norman

Frank Fish instructed by Laddie Mikulasko has earned his Wings

Ross Pride instructed by John Moschini has earned his Wings

September Meeting Entertainment: Documentary The Two Lancasters if available

## **IMMEDIATE ACTION ITEMS**

DATE	RESPONSIBILITY	DETAILS	STATUS
Apr 23	A Armstrong	Report on City Joint Venture Mtg	COMPL
Apr 23	W Weppler	Investigating Geotech runway for Bronte	
Apr 23	W Weppler	Investigating Solar Charging Stn for Bronte	
Apr 23	J Fazzari	Bayview outside charging stations report	COMPL

## **NEW BUSINESS**

### **General Comments from President**

New members are asked to review the Field Etiquette section found under the Rules Tab on the Web Site.

A large tool box will be placed in the Bayview Club House as the home of a communal tool box. If you have tools you no longer need or use, please consider depositing them in this box for use by all members. If you borrow a tool please replace it when finished.

There is a rumor that we are going to install a \$4000.00 Geotech runway at Bronte. This is simply not true.

It is true that the club is looking into a solar charging station for Bronte.

### **14.4.1 Youth Program**

We are still waiting for confirmation from the school principal that the proposed after school program starting in September is a “go”. All indications to date are positive.

### **14.9.1 Out Door Chrg Stns**

A report with the alternatives considered and a recommendation for the installation of the charging stations on the patio wall is available by contacting Joe Fazzari. Once approved by the board, activity will commence.

## **SPECIAL ITEM UPDATES**

### **Wings Program**

- Frank Fish instructed by Laddie Mikulasko has earned his Wings
- Ross Pride instructed by John Moschini has earned his Wings

**Carl Finch is looking for instructors. If you feel qualified please contact him.**

### **Field Maintenance**

#### **Bronte**

- There was a bit of vandalism over the past 2 weeks
  - o The porta potty was tipped over

Picnic tables were turned over

#### **Bayview**

- Volunteers to mow grass are still needed and welcomed. Doug thanked those responsible for moving the pile of dirt to the required locations. Rolling the field has been delayed because it is too dry. Will have to wait for a few rainy days. A request has been made to make the fence to the right of the Chickee more presentable
- D Edwards once again thanked the individuals who have been emptying the garbage cans when half full and encouraged all to take up this task as it is a tremendous help in keeping the field tidy. **PLEASE USE THE BIG BAGS.** The gate on the road leading to the Chickee has been opened for use

Thanks to Gary Arthur for arranging and coordinating the installation of the new Heli Pad

### **Warbirds Over the Bay**

- Everything is tracking. Peter Mansfield has made his annual donation to the event for which we all thank him
- Bill Swindells updated the sponsor list which has been added to the Web Site. At this time there are 24 sponsors. \$4070 in product with more to come and \$600 in services have been provided by these sponsors.
  - o **Bill has re-iterated that this is the last year that he is prepared to act in the capacity of recruiting sponsors for the event**
- Tighter flight line controls remain a concern but are being looked into.

## **MOTION**

The following motion was made by Tom Gwinnett, seconded by Gord McGill and unanimously accepted by the membership:

***BRCM charges a \$50.00 initiation fee for all new members and previous members who have not rejoined within the previous 3 years.***

***I move that all Juniors be exempted from paying the initiation fee on joining.***

It was further pointed out that the club has a number of free MAAC memberships available to junior members.

### **Question from the floor:**

Dave Cummings asked a question from the floor. He stated that he understood that the Hamilton RC Club would not allow turbine powered aircraft to fly at their field. He also stated that the Bronte Field sign specifically says "no gas turbines allowed". His question was when and why was such a decision made for the Bronte Field.

Harold Jones stood to respond to this question. He said that he was not sure of the actual year but he was president of the club at the time and thought that it was between 2002 and 2005. Dave Boddington, who was the manager of Bronte Park at that time, had a concern that a gas turbine could cause a park fire. Because of the large area of uncultivated land in the park this represented an unacceptable risk. It was therefore agreed that gas turbines would not be allowed to fly in the park.

Norm Harris added that it was this, in combination with the small flight path available that prompted the decision to not allow gas turbines.

While Harold Jones had the floor he made reference to a membership problem currently underway at the Hamilton Club. He made some statements with regard to details of the problem but because the source and validity of the statements could not be confirmed a decision was made to not include them in these minutes.

Jacques Marcotte, a former member of the Hamilton Club and one of the individuals involved in the current dispute at the Hamilton Club stood to advise that there is another side to the story that differed from the details relayed by Harold Jones. He indicated that legal council had been sought and the matter was being resolved. He did not feel that the Club General Meeting was the proper venue to go into detail but did offer to discuss it privately with any club member who wished to pursue the matter. He assured everyone that the individuals who have joined BRCM from the Hamilton Club would not create any problems and in fact would have a positive impact on BRCM.

### **15.2.4 New Work Benches**

Tony Madge and Joe Fazzari will be constructing additional work benches of a design similar to the one currently operational at Bayview as soon as their wives schedule it. One will be for Bronte and the other as a second for Bayview.

### **15.2.5 Bayview Weather Station**

We are still awaiting response re: joint venture with Halton Region

A member has been kind enough to donate a weather station that unfortunately cannot be connected to the internet. We will install this ASAP to experiment with what data is available and the value of the data.

**To recognize the 75<sup>th</sup> Anniversary of the Battle of Britain Ian Brown would like to organize a Fly Over of aircraft, both Allied and German that took part in the battle. There is a need for German aircraft. If you have one please contact Ian.**

*Motion to close meeting by N Harris and seconded by J Coleman was passed.*

**CRITICAL DATES**

Bronte Vertical Vehicle Fun Fly	June 27, 2015 (Rain Date June 28, 2015)
Christie Float Fly	June 13 & 14 2015
Seaton Valley Warbirds Event	July 11, 2015
Warbirds Over the Bay	July 25, 26, 2015
Electric Fun Fly	August 22, 2015
Rubber Fly	November 26, 2015

