

# MAAC'S ZONE B NEWSLETTER.

Take off is optional  
but landing is mandatory.

ISSUE NO.18

APRIL 01/2013

## LEAD STORY HEADLINE

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### NEW TOOL FOR THE ZONE.

Avon's website pictures.



Hi again everybody, looks like the spring is finally upon us, Regis is back from the annual AGM, and he said the spring is not out there yet, minus 20, so

they can have it. Spring is an interesting time of the year for all of us, and some clubs are busy or have been busy to prepare for their annual Mall show. We already had two, one in Yarmouth by the South West Flyers R/C Club, and one with the Northumberland club in new Glasgow, and we here in Saint John is having one on April 5-6<sup>th</sup>. At McAllister Place Mall, so if you are in the neighbourhood, drop in and see us. It is also that time of the year that we should check to see if those planes that have been hanging there all winter is still in great shape for another season, and don't forget those batteries. Also another problem that is coming up is all the modellers that have changed their equipment to 2.4 GH, there is still some equipment on the 72Mhz, so don't forget to use the Frequency board at the field with your friendly clothespin with your name on it. A First Aid Kit should be a must at all the club sites, and if your club don't have one, it is a small investment to have at hand. Another one is to have your civil number for the emergency group to find you should you need them, post the address number at the flight sock so all can see it at a glance. Those of us



that went to Kentville for the 2013 Valley Gathering, had a great time with one of the best sites for indoor flying, super effort by Jeremy and his gang, more on that later.



*Here is Jim Gavel, the President SWF's R/C Club;*

We have just concluded a very successful Mall Display in our hometown of Yarmouth, NS. Our membership rose to the task and we had many examples of RC aircraft on display. From the diminutive 10" Beast to a 168" full load scale sailplane, we had a good cross section of our hobby on public display. The 3 "Real Flight" simulators, viewed on 42" LCD TV's, was a huge hit and all three were in almost constant use during the day. We had live coverage and a live radio interview broadcast over our local radio station CJLS and this brought in more people who were curious and wanted to find out more about this great hobby. While everyone was interested in all of the aircraft on display, I would say that most were impressed with the smaller scale foamies with electric



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## ZONE NEWS.

### *Jim Gavel continuous;*

power. It is obvious that these are the "new" direction that RC is headed and we have to embrace and encourage this particular area of the hobby.



On another note, we are currently putting plans together for a local "Open House/Fun Fly" scheduled for July 27th, rain date 28th. There will be more information forthcoming as the details are finalized and then added to the calendar of events.

***So there, you will have an opportunity to take in some South West Nova Scotia Hospitality, and in the same time add another event to your ACE Card, read all about it in the next MAAC Magazine, I already have two events logged in mine, and MAAC has adopted it for the whole organisation more on this at a later date.***



### ***This next one is from Al Eastman from his travel to New Glasgow:***

I journeyed to new Glasgow and shot some photos of the model show there put on by the Northumberland club. The snow is pretty much gone here and it looks like our field will open early again this year, still a bit wet up there but it's a spot that dries quickly.

A large number of models were on display at the Northumberland RC Modeller's show at the Highland Square Mall in New Glasgow on March 16th. Better than expected fine weather brought large crowds to the mall which resulted in a lot of exposure for the club and the radio control hobby.

Ben Lann of the Northumberland RC Modelers club of



Pictou County assists some young people on a large screen RealFlight simulator during the club's annual mall show at the Highland Square mall in New Glasgow.



Ben Lann, Dayle Smith and Fred Marshall display their winter projects during the Northumberland Rc Modelers annual mall show at the Highland Square Mall in New Glasgow.



Mike Notley, a member of the Northumberland RC Modelers flies a small co-axial helicopter for an enthusiastic crowd during the club's annual mall show at the Highland Square Mall. Look closely, the heli is small but it is there. Many people in the large crowds throughout the day took the time to check out the radio controlled planes and helicopters and many of the younger set got some stick time on the RealFlight simulator.



You can see the determination on the face of Alec Bates of New Glasgow as he concentrates on flying the RealFlight simulator during the Northumberland RC Modelers show at the Highland Square mall in New Glasgow on March 16th. Long time modeller Bill Grundy of Truro was on hand to give Alec some assistance.





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### THE 2013 VALLEY GATHERING IN KENTVILLE.

#### *And here is Jeremy with a some facts from the fun fly:*

34 registered pilots and approximately another 50 guest and pilot observers turned out for a very successful 2013 Valley Gathering.

The Wings of Wellington added indoor night flying this year which we expect will become an annual event. It was early watching the planes go around in the almost complete darkness – see the video here <http://youtu.be/64wMt60TSdI>.

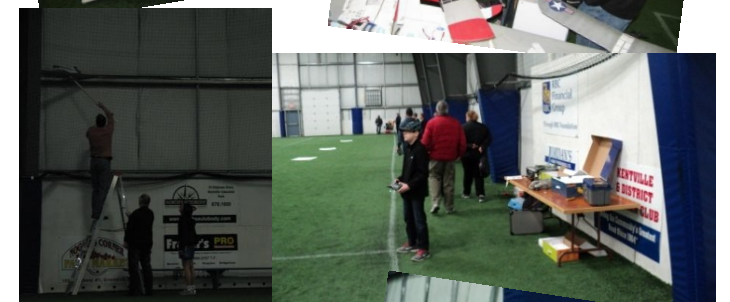
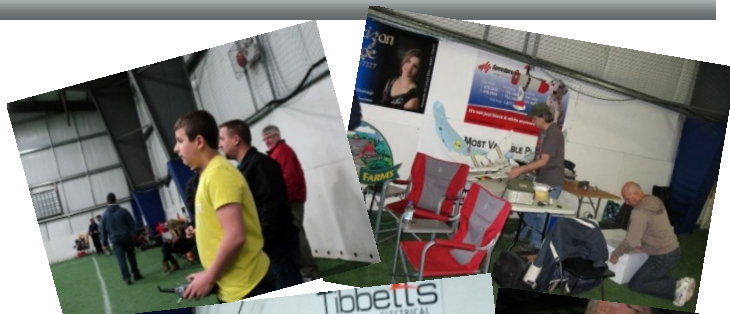
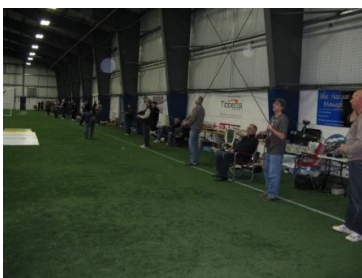
The Mass Launch (AKA Mass Lunch) went very well with 25 Aircraft in the air at a time (also on the Youtube Video).

Many thanks to Colin Bell for presenting his recent trip to Taiwan and the Align Factory and Fun Fly as well as an overview of flybarless systems. And, to Sandy McInnis who lead a lively discussion on IMAC and this year's scale aerobatic sequences.

The event would not be possible without the support of a large number of our club members as well as non-members Christie and Sabrina who keep the desk, registration, and ticket sales organized!

And a special thanks to our sponsors; Great Hobbies, Maritime Hobbies and Crafts, Mighty Small Cars, RC Wings and Wheels, and of course MAAC.

Also we want to recognize our long distance attendees Jim, Pam, and Cato who traveled from NB and John all the way from the Black Sheep squadron in NFLD.



## ZONE B NEWSLETTER

### TOMMY'S BALSA SECRETS, APRIL 01.

#### Upcoming Rubber Powered Competition

*The Oxbridge Model Competition is a rubber powered free flight postal competition taking place in July. Follow this link for the details:*

[http://www.hippocketaeronautics.com/hpa\\_forum/index.php/topic,12955.0/topicseen.html](http://www.hippocketaeronautics.com/hpa_forum/index.php/topic,12955.0/topicseen.html)

*For the event, we bring you this article from the Saint John Model Flying Club. Advanced Indoor Free Flight Techniques.*

At the Moncton Indoor Fun Fly, many of us saw and chatted with Tommy Wilson. He is a wonderful chap who has great experience with all sorts of flying models. Although he is currently residing in the Moncton area, a few friends from the SJMFC decided to stop at a local refreshment



store to purchase a rather large bottle of agave extract (wink, wink), and then drive to Tommy's house. After consuming a portion of the bottle, the stories started

flying mostly around how Tommy managed to keep those \$^&#@ rubber powered model of his in the air for so long when competing in a postal contest between the SJMFC and the Staffel Squadron. This was a one model contest using the Prairie Dog, where, under Tommy's leadership we defeated Walter Mooney and others who were part of the Staffel. After much cajoling Tommy revealed his unique method of balsa treatment. With bated breath we followed



Tommy, who took us to his workbench for a closer look. After rumbling around he removed a very dusty sheet from a dark corner of the room and revealed a compressed gas bottle with hoses, gauges, and some funny looking sections of plastic pipe. With a sly smile on his face, he revealed his award winning secret. Firstly, after



swearing us to secrecy, he tells us that you need access to a helium tank. Before starting a build, all the competition

grade balsa should be cut precisely, and sanded as best as possible prior to assembly. Next, the balsa is weighed on a small scale kitchen scale for comparison purposes. The helium tank is connected to the ABS pipe via the tubing and pressure controller and when ready the helium is run through the contraption flushing out all remaining atmospheric gases. Next, the chamber is held so that the opening is facing downward. Helium, being lighter than



air, will occupy the top of the chamber, releasing the heavier atmospheric gasses out the bottom. The carefully pre-prepared balsa is placed in the ABS chamber, and the chamber is capped. The system

is pressurized for the initial application. This is repeated for a total of three pressurizations. Careful and diligent testing has shown that further applications do not yield significant improvements in the results. Each application should be maintained for one hour, during which



time the helium will penetrate the xylem cells of the balsa. The lignin structure surrounding balsa xylem cells provides a tight seal when the internal pressure is greater than the external pressure. The cells normally are

filled with atmospheric gasses when dry, which gives the balsa its great strength to weight ratio. Displacing the atmospheric gases with helium gives a greater strength to weight ratio, which reduces not only overall weight, but requires less balsa on a given plane. A big thank you should be extended to Tommy for sharing his award winning technique.



Next time you see him, give him a big wink.

[See last page for conclusion.](#)



## ZONE B NEWSLETTER

### HOBBY SHOPS IN OUR ZONE.

#### NEW BRUNSWICK

##### WAVETECH R/C HOBBY SHOP

556 Champlain St, Dieppe, New Brunswick. E1A 1P4.

506-855-7285

<http://www.wavetechrc.com/>

##### EASTERN HELICOPTERS

100 Bosse Ave, Edmundston  
N.B Canada E3V 4A2

PH: (506)-737-8700

Fax (506)-737-8701

Email: [Info@VarioCanada.com](mailto:Info@VarioCanada.com)

#### NOVA SCOTIA

##### Maritime Hobbies and Craft

[www.maritimehobbies.com](http://www.maritimehobbies.com)

1521 Grafton St. Halifax,  
Nova Scotia, B3J 2B9  
902-423-8870

##### R/C Wings & Wheels

[www.rcwings.com](http://www.rcwings.com)

490 Rte. 325  
Blockhouse, Nova Scotia  
902-624-9519

##### Mighty Small Cars

552 Windmill Road  
Dartmouth, NS  
902 423-9298  
Owner is Geoff Davis.

#### NEWFOUNDLAND AND LABRADOR

##### Signal Hobbies.

[www.signalhobbies.com](http://www.signalhobbies.com)

36 Pearson, St. John's, NL  
A1A 3R1

709-722-7021

#### PRINCE EDWARD ISLAND

##### Great Hobbies.

[www.greathobbies.com](http://www.greathobbies.com)

Stratford, Prince Edward  
Island.

902-569-5373.

1-800-839-3262.

### SANCTIONED AND OR PLANNED EVENTS IN THE ZONE FOR APRIL AND MAY.

#### April 3, 2013 - 3 days

##### -- SAINT JOHN MODEL FLYING CLUB

##### -- Annual Club Mall Show

Come on out and join us for our annual Club Mall Show. We will be setting up on the evening Thursday 4 April. The show will get underway during Mall operating hours on Friday 5 April and will close around 7:00 p.m. in Saturday 6 April. Come see what's new and old in the radio control business.

McAllister Place is located on Westmorland Drive and is the largest mall in Saint John, NB. Location of display is opposite the Royal Bank and Lawton's Drugs.



#### May 17, 2013 - 1 day

##### -- ATLANTIC SOCIETY OF R/C MODELERS

##### -- ASRCM Spring Fun Fly

The Atlantic Society of Radio Control Modellers is happy to host its 2nd Annual Spring Fun Fly event. We had a great time last year and hope this year will be just as successful. There is no registration fee and a free BBQ lunch will be provided. Flying starts at 9:00am, hope to see you all there!

#### May 17, 2013 - 1 day

##### -- BAY ST GEORGE FLYERS

##### -- Victoria Day Fun Fly.

Hi Folks, This is our annual Victoria Day/Weekend Fun Fly Everyone is welcome, bring a plane or two and a lawn chair. The usual burgers, hot dogs, and pop will be offered to all, FREE OF CHARGE. The landing fee for pilots is \$5.00. Come and join in with us and have some fun. Dates and Time May 18th, Rain Day May 19th, or 20<sup>th</sup>. Pilot meeting at 08:00.

Club Field on Carolina Ave, Stephenville NL.  
East Ramp.

Contact Email: [dougfowlow@persona.ca](mailto:dougfowlow@persona.ca)

#### May 24, 2013 - 1 day

##### -- THE RIVERSIDE MODELLING ASSOCIATION

##### -- Atlantic Canada FPV and Multirotor Meeting

The Riverside Modelling Club is pleased to announce the Atlantic Canada FPV and Multirotor Meeting, a fun fly event for FPV pilots of fixed and rotary wing aircraft. Pilots will be able to compare notes, share experiences and be able to participate in FPV flying in this beautiful wilderness venue nestled along the banks of the Petitcodiac River. Those interested in this exciting new area of RC are also welcome and are encouraged to attend. Please see the event's FaceBook group (Atlantic Canada FPV and Multirotor Meeting) for the latest details. As

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### SANCTIONED AND OR PLANNED EVENTS IN THE ZONE FOR APRIL AND MAY.

this is a MAAC sanctioned event, we will be following the MAAC FPV Guidelines. All pilots must be current MAAC members. A peg board system will be in effect for frequency control. A small participant fee may be determined by the group (for prizes and/or meal). Lunch will likely be available onsite. The rain date is June 1st. See you there!

#### Event Address/

**Directions:** From Riverview, proceed South on Coverdale Road/NB-114S until Hillborough. Turn left onto Steeves Road (by the train museum). The entrance to the field is on the right, just past the old water tower.



[www.tourismnewbrunswick.ca/Products/M/MactaquacProvincialPark.aspx](http://www.tourismnewbrunswick.ca/Products/M/MactaquacProvincialPark.aspx)

#### May 31, 2013 - 2 days

-- AVON RC FLYER'S

#### -- Heli Fun Fly

Please join us for the 2nd annual East Coast Heli Contest and Fun-Fly. Last year's event was a huge success with 33 registered flyers, and several outstanding prize give-aways from our sponsors and event supporters. The Avon club could not



have done a better job hosting the event! There will be food and drinks onsite for purchase, along with space for RV's and campers. The contest will start at 8am Saturday

#### May 31, 2013 - 1 day

#### -- FREDERICTON MODEL AIRCRAFT CLUB

#### -- FMAC Annual Mactaquac Park Float Fly

The Fredericton Model Aircraft Club will be holding its Annual Mactaquac Float Fly at Campers Beach on Saturday 1 June 2013 from 9:00 am to 3:00 pm. There is a \$10.00 registration fee (includes a burger & drink). A MAAC or AMA Membership is required. Contact Rick

morning, and finish up around noon. After that, open flying will start and continue on through to Sunday afternoon. The contest is not mandatory - it's

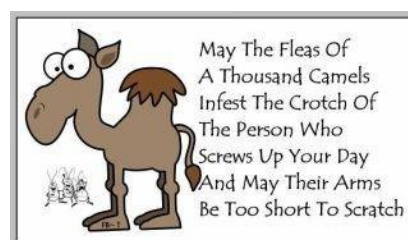


most important to us that you enjoy yourself and have a good time with a group of great people. We promise to make this year's night show even bigger and better than last years! Don't miss it! Pre-

registration is \$15. On site Registration will be \$20.



Kirkbride at: (506) 450-3996, e-mail [rick.kirkbride@bellaliant.net](mailto:rick.kirkbride@bellaliant.net) or for directions check our FMAC web site at: [www.frederictonmodelaircraftclub.com](http://www.frederictonmodelaircraftclub.com) http://





FROM OUR ZONE DIRECTOR.



Hi all,

As you may already know the Ace Program that was introduced by Jim Lloyd with the help of Andrew Colwell has been accepted as a national program in all the zones. With this said, all the paper work and crest will be supplied by MAAC HQ to be distributed

to the clubs that are having an event.

Also we have two new Leader members in the zone, Al Coolen and Paul Belzile who are doing a lot to promote the hobby in the zone and are always willing to help someone who needs help.

Well, just being back home from the AGM in Saskatoon after four long days of meetings, is a relief. In general it went good; there are still some items to finalize like recommendations and resolutions to finish in the coming weeks to be done by conference calls plus other minor items to complete. As you can see work is never finished even when you think it's finished. Take care and we will see you this summer.

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**BACK PAGE STORY.**

**Conclusion of Tommy's Balsa  
contraption:**

**APRIL FOOL!!!!!!!**

**Presented by Jim and Andrew.**

A Newfie is on his way back home from Alberta, and going through Ontario, he is a little heavy on the pedal when an OPP pulls him over for speeding, while he's writing out the ticket a fly was bothering the Cop, so the Newfie says, "That's a circle fly sir." The policeman asks, "What's a circle fly?" Newfie says, "Them are the flies you find in the barn around a horses ass." The policeman says, "You calling me a horses ass?"

"Oh no sir, I would never say a thing like that, but you can't fool them flies' sir."



**Aerobatic anyone, well here is some  
information for you.**

Here are some PDF files of current sequences in PowerPoint format that explains a lot about what judges are looking for. While they are for the US sequences, which are not exactly the same in all cases, the elements through all the sequences are always very similar so they are quite applicable.

<http://www.nsrca.us/index.php/judgingsection>

Here is the latest newsletter from Scale Staffel. Don't forget to check out the website at [www.scalestaffel.org](http://www.scalestaffel.org) for the latest information and updates.

**Click on download for a bunch of  
free flight and rubber power  
planes.  
Have fun.**

**Rules of Thumb for Model Airplane Parameters**

1. Determine the model's wingspan
2. Determine wing chord (at least a 5:1 aspect ratio)
3. Select the airfoil
4. Fuselage length = 75% of the wingspan
5. Nose length = 20% of fuselage length
6. Wing trailing edge to stabilizer = 40% of fuselage length
7. Horizontal tail surface area = 25-30% of wing area
8. Vertical tail = 35% of stabilizer area

**Build in lightness!**

**If in doubt - add to wing area, tail moment, tail surface area**