



MAAC'S ZONE B NEWSLETTER

Issue no. 70

Takeoff is optional
But landing is mandatory

January 2018

INSIDE THIS ISSUE

Delta's Boeing 747 makes stop at Everett birthplace on its farewell tour



<https://www.seattletimes.com/business/boeing-aerospace/deltas-boeing-747-makes-stop-at-everett-birthplace-on-its-farewell-tour/>



=IOS



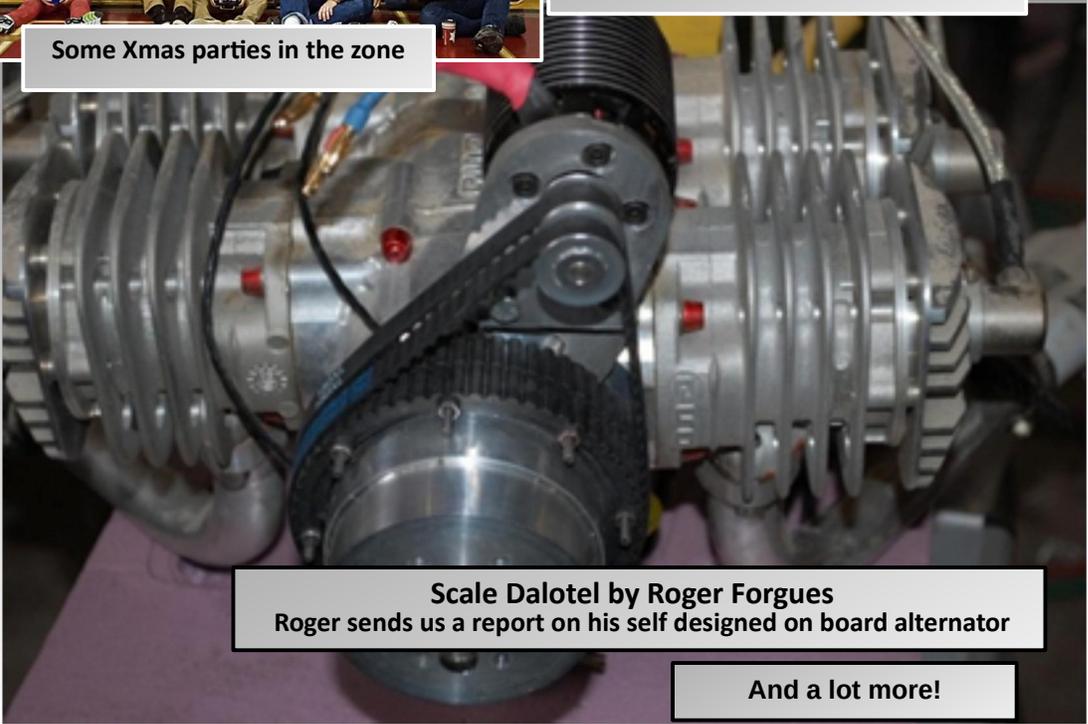
Al Coolen's new Turbinator flies



Some projects underway in the zone



Some Xmas parties in the zone



Scale Dalotel by Roger Forgues
Roger sends us a report on his self designed on board alternator

And a lot more!

ZONE B NEWSLETTER

Scale Dalotel Onboard Alternator by Roger Forgues

Model airplanes or Helicopters running on Gasoline or nitro have to carry batteries for the ignition if applicable, for the receiver/servos or one each. This adds up weight wise if the amp rating is high for the larger airplanes/helicopters.

Although on board generating systems have been around for some time, I wanted something better, don't we all.

So lets get started. First, we have these in abundance: brushless motors , they are 3 phase AC motors , which in reverse are actually alternators not much different than your car alternators.

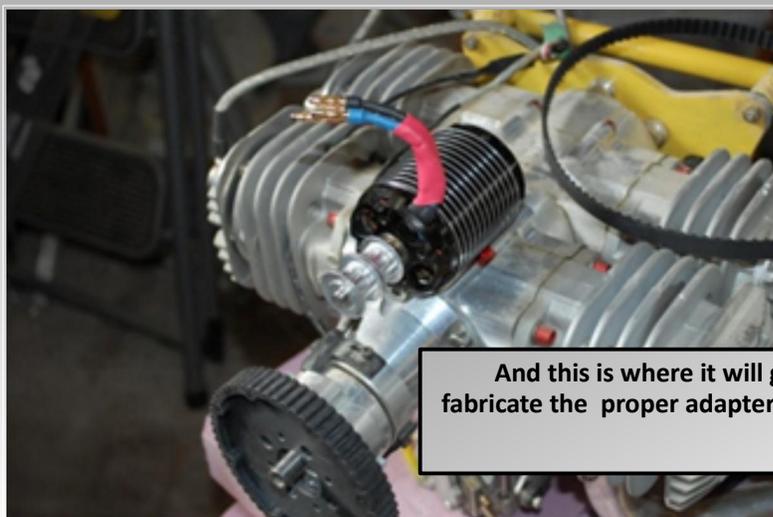
By spinning one at a decent speed, you get AC voltage, of course you need to rectify to DC, but the voltage can be quite high, so we need a voltage regulator, again not a problem. Now since I am talking Lipo batteries, then I use a non programmable lipo battery charger which takes care of regulating the charge.

Next step is to find the proper motor with the proper KV rating . In my case my engine will turn at most 5000 RPM, and idle at around 1200 RPM, so calculations using a 580 KV motor I end up with a 6 to 1 ration. As I said you need to spin the brushless motor quite high to get the voltage we need. Also you have to remember you don't need a big brushless motor, all you want to get from it is max 5 amps. But you do need one with good bearings for the side load with the belt which I use timing belt.

After testing everything electrically speaking, it was on to fabricating something that would actually work .



Here is the motor I started with, a 530 KV a good size and can give a lot of current if needed and the 6 to 1 ratio drive from Servo city.



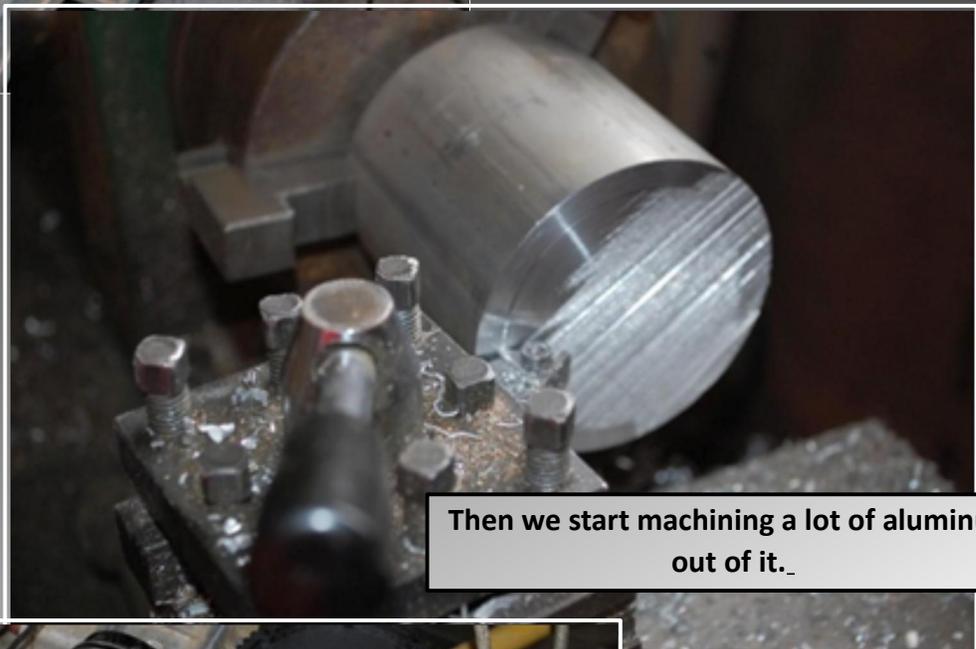
And this is where it will go but need to fabricate the proper adapters.

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Scale Dalotel by Roger Forgues



So we start with a large chunk of aluminum



Then we start machining a lot of aluminum out of it.

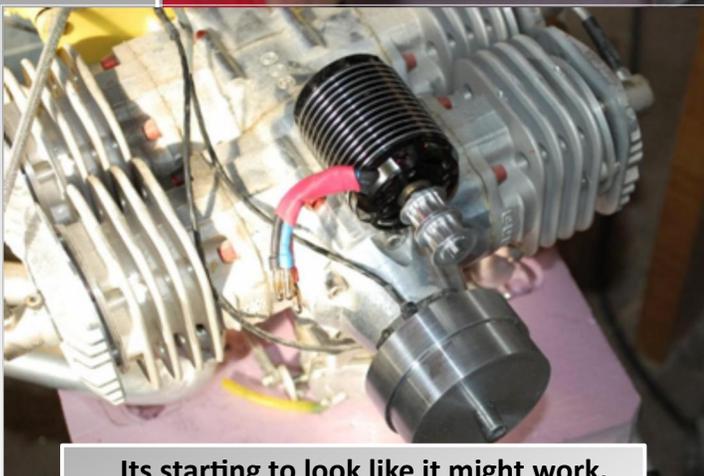


Here a trial fitting, remember a propeller still has to go on the front .

Scale Dalotel by Roger Forgues



Trial fitting one of the gears, I will be using two for redundancy.



Its starting to look like it might work.



Here we are getting closer to reality.

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Scale Dalotel by Roger Forgues



A small centering jig to drill the aluminum part.



Fits like a fine glove.



Now for drilling to attach the gears to the aluminum hub.



Now for the removal of the center of the gear material to fit over the prop drive.



Scale Dalotel by Roger Forgues



Starting to take shape. The whole thing brought the prop just 1/8 inch further forward.



Now the alternator bracket is complete and working properly.



Belts are on and properly centered .

ZONE B NEWSLETTER

Recent indoor at the Wings of Wellington



The Christmas break means a number of people are on holiday and as a result the weekly Wings of Wellington indoor gets a lot of attention. Twenty pilots at the event on December 27th meant a fun filled and busy indoor.



Photos by Jeremy Dann

ZONE B NEWSLETTER

Saint John Model Flying Club Annual Christmas Party

The Saint John Model Flying Club held their Annual Christmas Party.

This included the usual 12" chuck glider competition and paper plane. Longest flight wins. There were 17 pilots two of which were old members.....Ian McQueen who originally started the glider competition and won for many years and Ward Enwright the oldest rubber power flier in the club. Everyone was so happy to see them both. Finger food brought by all went down very well. A lot of laughter and teasing was shared by all.

The Glider contest was won by...(dare I say)... Jim Lloyd

2ndpast president Andrew Colwell

3rd.....Trainer Paul Phillips

4 th.....David Nicholson.....David had perfected his throw over he past 5 weeks.....

The pressure of the competition his arm let him down.....SHAME!!

Paper Aeroplane throw was won by Steve Mifflin.....the lads let him win as he is the new club President.

2nd..... OLD President Jim Lloyd

3 rd..... Past President Andrew Colwell very close to being second.

4 th..... Rob McVey.....he was winning right up to the end and he bent his nose!!! Ha ha

The bickering from the peanut gallery during the competition was light hearted. Everyone left smiling.



Event report by Pamela Lloyd

ZONE B NEWSLETTER

Al Coolen's new Turbinator has flown

On a cold and wet, but calm and December bonus day. Al Coolen flew his new Turbinator rather well, but a buggy nose wheel servo made for a long walk after a fine landing. Al flies with the Avon Rc Flyers Club in the Annapolis Valley.

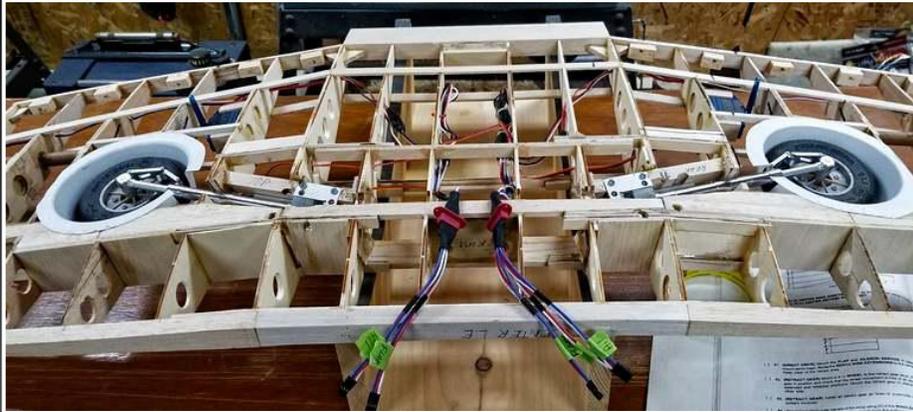


Photos by John Walker

Al commented: Thanks for the kind words guys. The plane is a great grass field flyer. It's a lot easier to take off and land than my spitfire.

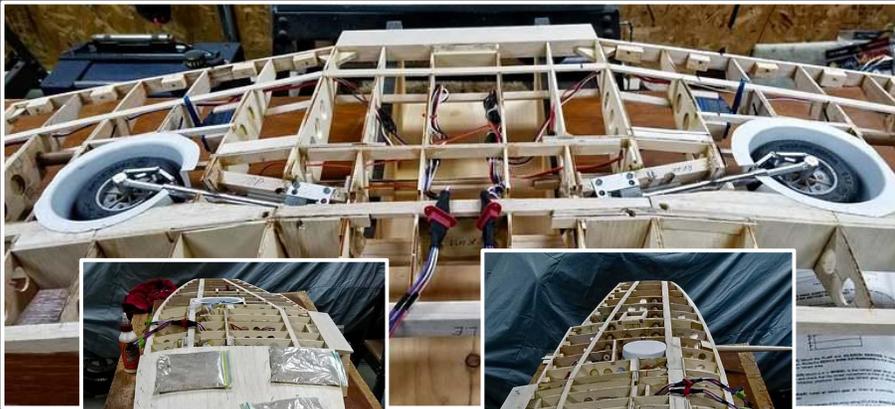
ZONE B NEWSLETTER

Some bits and bytes from the Zone



Been a little slow on PICA Spitfire build with family health issues but there has been some progress and thought it was time for an update. LG wheel wells have been installed and all wiring tested and secured.

Bottom sheeting is glued in place and trimmed. Rather than just glue the wing cannons to the LE of the wing I decided to make them removable to avoid damage. They stick out 8 inches and I didn't think they would survive just glued in. Ordered some rare earth magnets from Lee Valley and I now have removable cannons, see pictures. Tonight I glued the top RH wing sheeting in place and should have LH wing done by tomorrow. For fuselage alignment the wing is required to be completely sheeted before I can continue with fuselage build. Hopefully I'll be on that sometime this week greatest plans of mice and men!



Jim Gavel of the Yarmouth "South West Flyers R/C Club" gives us an update on his spitfire.



ZONE B NEWSLETTER

Some bits and bytes from the Zone

Jeremy Dann updates the progress on his big stinson. Front struts roughed in. Lots of bondo and smoothing required. They are nonfunctional as provided in the kit but have made them fully functional which is recommended if you do any aerobatics. Rear struts to add. Have taken the last piece of wood out of the kit box needed to complete her. Milestone!



Dec 22 - President Don inspecting progress to date. Second pair of wings in the background almost ready for covering. Dec 23 - Day 2 covering - flaps and ailerons, tested for fit, covered, and re-hinged.

Photos by Jeremy Dann.

ZONE B NEWSLETTER

Some bits and bytes from the Zone

South Shore RC Flying Christmas party 2017 .



ZONE B NEWSLETTER

Some bits and bytes from the Zone

Yarmouth South West Flyers Club Christmas Party 2017



Photos by Terry Bullerwell

ZONE B NEWSLETTER

Some bits and bytes from the Zone

Jon Eastman's D-88 in new it's livery



Jon's former Grosvenor House is being reworked into the Black Magic version.

Update on Dan Marchand's huge Citabria



Dan reports: "I've been working on scale detail inside the cabin.

Using hook/loop Velcro makes a good (removable) fastening system for the scale objects yet, should remain secure in flight.

Added the following items;

- first aid kit
- dash board
- seat belts
- cargo net
- pilot
- maps

-Included is a survival kit in the event of an unscheduled landing in a cornfield or river.

A few remaining items to be done..."



ZONE B NEWSLETTER

An announcement from Shearwater RC Flyers President Vic Ruzgys. A new indoor venue!

Hold the presses - RC flying for Shearwater RC Flyers is NOT , I repeat - NOT, over for the season! We have just been given the go ahead for indoor flying in the Shearwater Gymnasium this winter!

Heather Arbour of PSP has granted us a weekly slot in the gym on Sundays from 10:30 to 12:30 starting on Sunday 7 January.

So, now's the time to revise your Christmas order from Santa to include some indoor flying gear so that you're ready to go on that first Sunday of the New Year.

For those of you unfamiliar with indoor flying, anything goes for indoor so long as it can fly slowly enough and be maneuverable enough to be easily and safely controlled in a relatively confined space. As such, size is not so much the issue as is weight, or more specifically, wing-loading. There are plenty of RTF models on the market these days that are purposely designed for indoor flying - from feather-weight flyers such as the Vapor, to micro warbirds and EDFs. Scratch-building is also a very fun and inexpensive route to a good-flying indoor model using inexpensive materials like Depron or dollar store foamboard. If you have any specific questions about suitable models, feel free to ask me or any of our other club members who are already indoor flying junkies.

The possibilities abound, so come on out and keep your flying skills tuned this winter. I look forward to seeing you on the 7th!



Our Carl Layden has had an article recently published in Model Airplane News, one of a number he has published by the way. You can read it here: <http://www.modelairplanenews.com/rc-airplane-storage/> As the link says, it details a method of aircraft storage.

Helis on ice a go again this year

Helis and Other Flying Machines on Ice

Feb 17, 2018 10am - 4pm

Directions below

Fingers crossed for the weather – Stay tuned for last minute Weather related date changes.

It sounds like we are going to have a great turnout again this year. We had 40 pilots on the lake in 2017.

Too nervous to fly – bringing it in the trunk and we will twist your arm and give you a hand at the same time.

We will make sure you get a hot meal, Chili and Pulled Pork typically and warm cider - feel free to bring something along if you have the urge.

The bonfire will be going all day. The cove is generally sheltered from winter winds.

It would help if you let us know if you are coming so we can get a sense of the grub required. dann@xcountry.tv

Bring what you have – fly what you bring

There is no fee for flyers

Jeremy and Christie Dann

902-300-1550 cell, dann@xcountry.tv

44.651792, -64.618500

Google Map reference

From the Annapolis Valley

Take the number 12 Hwy to New Ross

Turn right at New Ross (Road to the Forties)

Go 17.4 Km

Turn Left (sign says Parkdale and New Germany)

Go 9.5 Km

Turn left on to Killdog Road (Big Blue sign by Church)

About 0.8 Km - turn left onto Coveview road (only left on Killdog)

We are the second from last driveway in the Cul-du-sac, #72

From Halifax or Yarmouth

Take the 103 Hwy to exit 11 (Blockhouse/Mahone bay exit)

Turn Inland toward Cornwall (away from Mahone Bay)

Go 30.5 Km

Turn right on to Killdog Road (Big Blue sign by Church)

About 0.8 Km - turn left onto Coveview road (only left on Killdog)

We are the second from last driveway in the Cul-du-sac, #72

ZONE B NEWSLETTER

Some bits and bytes from the Zone

Paul Fowler, a fellow pilot and a past-president of the Saint John Model Flying Club has made the final flight on December 4, 2017. Born in Toronto, ON, on January 29, 1934, he moved to New Brunswick in 1972. Paul was well known for his love of telling stories, especially with an active listener. Stories of his days traveling with the RCAF as a mechanic, engine repairs in his shop, and of course tuning the RC engines at the field all would come to life dramatically. He will be sadly missed by membership. Keep flying straight and level, Paul.



ZONE B NEWSLETTER

HOBBY SHOPS IN OUR ZONE.

NEW BRUNSWICK

Freedom Hobbies
www.freedomhobbies.ca
3134 Main Street,
Salisbury, N.B.
E4J2L6. Owner
Patrick Last.
freedom@makeitlast.ca

EASTERN
HELICOPTERS
100 Bosse Ave,
Edmundston N.B
Canada E3V 4A2
PH: (506)-737-8700
Fax (506)-737-8701
Email:
Info@VarioCanada.com

NOVA SCOTIA

Mighty Small Cars
552 Windmill Road
Dartmouth, NS
902 423-9298
<https://www.facebook.com/Mighty-Small-Cars-Limited-1519260711625776/>

Owner is Geoff
Davis.

Maritime Hobbies
and Crafts
1521 Grafton St.
Halifax,
Nova Scotia, B3J
2B9
902-423-8870

NEWFOUNDLAND AND LABRADOR

Signal Hobbies,
www.signalhobbies.com
36 Pearson, St.
John's, NL A1A 3R1
709-722-7021

PRINCE EDWARD ISLAND

Great Hobbies.
171 Buchanan Drive,
Charlottetown, PE I.

<http://www.greathobbies.com>
902-569-3262
1-800-839-3262
The new store is now
located in Charlottetown
with only
administration in the
Stratford location.

Some bits and bytes from the Zone

Well, I dug out the Trillium Balsa 1/3 Scale Cub today to start the modernization process - out goes the small servos, cheap Rx and kill switches and the Zenoah G-62. This plane is probably about 20 years old but is still in good condition. Covering is Super Shrink Coverite.

Wingspan: 140 3/4 inches

Weight: 36 pounds

Still looking at potential engines but I may go with the EME 70 Twin if it will fit.

BTW - CF-KQK was the ID on my Dad's full-scale Piper Cub when I was about 10 years old.



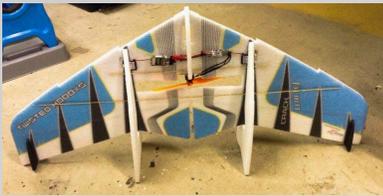
Steve Mosher of the Truro MAST club shows us his winter project.



Steve with the cub in 1997

ZONE B NEWSLETTER

INDOOR FLYING IN THE ZONE 2017/18



NORTHUMBERLAND RC MODELERS WINTER INDOOR

Location : NSCC Pictou Campus

Date : Every Monday starting Oct 30th

Time 5:30PM to 9:30PM

Every Monday until May 2018 with the following exceptions:

- November 13, 2017 - Campus closed to observe Remembrance Day
- November 20, 2017 - there is a set up for Tech day in the gym that evening.

ASRCM Winter Indoor in Milford

Riverside Elementary School gymnasium

Monday evenings 6:00 PM to 9:00 PM.

All flyers welcome. Micro quad racing has become a main attraction.

All small indoor aircraft and Micro helicopters also welcome.

NO entrance fee. All the school asks is no outdoor footwear in the gymnasium.



The **Wings of Wellington** is again very pleased to organize weekly indoor flying for all RC pilots. All electric indoor AC are welcome including multi-rotors and Helicopters (up to 250 size). Kentville NS – Indoor Multipurpose Soccer Stadium Flying Hours: Wednesdays 1- 4 PM.
Cost - \$10 payable to the facility manager when you leave

South Shore RC Indoor

Indoor Flying at HB Studios

Our next session will be Jan 6th 2018 from 2.30-4.30pm

We are scheduled Sat through to end of March at this time, except for Feb 10, 17 and March 3rd, due to other commitments. They can however give us other times over those days if we want them?

See you there.

ZONE B NEWSLETTER

FROM YOUR ZONE DIRECTOR

Happy New Year to you all and may the New Year be safe and prosper for you all.

I would like to have some input from you all in what we can do to raise the interest in our hobby and perhaps increase our membership. Any project that you can think of that would teach new potential members how and what we do in our modeling, or maybe get in contact with your employer to see what they have as plans for their upcoming or already retired employees, and maybe offer to give a talk at their retirement seminar about our hobby. Any help that I can be of assistance with please let me know and I'll see what can be done from my end regarding supply of material or monetary assistance. Don't forget I'm here to represent you guys and bring forward your wishes.

In closing I would like to thank you for your continuing support and don't forget to send your news and report to Al for our News Letter.

Fly safe and be respectful to your fellow mankind.

Cato.



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Martin Sonka Wins The Red Bull Air Race In Portugal



<http://www.flixy.com/martin-sonka-wins-the-red-bull-air-race-in-portugal.htm>



Every hobby store should provide this service.

The Making of Dunkirk's Aerial Scenes



https://www.youtube.com/watch?v=_Yivl41NgXs
https://www.youtube.com/watch?v=_Yivl41NgXs