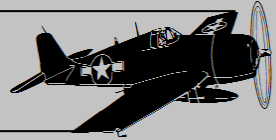


Dec  
2015

# *Flight Lines*



## THE WAIT IS OVER

### MADE FOR MULTIROTOR

#### THREE OUTPUT OPTIONS, ONE CONNECTOR.

The AR7700 is compatible with many of the most popular flight controllers and gives users three connection options to choose from: Serial (SRXL), PPM and Remote Receiver. Just plug a single connector into the receiver port that supports the option you want to use and connect it to your flight controller.



#### TWO AUX PORTS AND A GEAR PORT.

The AR7700 includes extra ports that let you run functions like retractable landing gear, lights or gimbal control directly from the receiver.



#### REMOTE RECEIVER INCLUDED.

A small remote receiver is included for larger multi-rotor applications that could use the redundancy and path diversity of patented MultiLink™ technology. By mounting the remote receiver away from the main receiver with a different antenna orientation, the odds of experiencing signal fade from signal reflection or antenna polarization are substantially reduced.



#### BROAD COMPATIBILITY

The AR7700 will work with these and many other multi-rotor light controllers.

#### Controller Compatible AR7700 Receiver Modes.

APM 2.6	PPM
Pixhawk	PPM, DSM (SRXL or Remote Receiver)
Vector	PPM
BrainFPV	PPM, DSM (SRXL or Remote Receiver)
CC3D	PPM, DSM (SRXL or Remote Receiver)
Crius AIO	PPM
Naze32	PPM, DSM (SRXL or Remote Receiver)
KK2.1.5	PPM
Multiwii SE 2.5	PPM
Naza M Lite	PPM
Naza M V2	PPM
Naze32 Acro	PPM, DSM (SRXL or Remote Receiver)
Quanton	PPM, DSM (SRXL or Remote Receiver)
Revo	PPM, DSM (SRXL or Remote Receiver)
Sparky	PPM, DSM (SRXL or Remote Receiver)
SP Racing F3	PPM, DSM (SRXL or Remote Receiver)
Vortex Quad	PPM, DSM (SRXL or Remote Receiver)

## MORE THAN MEETS THE EYE

Sports simplicity meets App versatility

The Smarter Sport Radio



- Up to 9 Channels available
- Sport radio simplicity + programmable versatility
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- Ideal for Bind-N-Fly aircraft
- Four control surface channels
- 3-Position flap switch
- 2-Position auxiliary function switch
- 3-position AS3X/SAFE flight mode switch
- Requires free programming app or software
- Requires SPMA3081 or SPMA3065 programming cable, sold separately

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Distributed by H.O.T. LTD, Hamilton, New Zealand. [www.hotrc.co.nz](http://www.hotrc.co.nz), proud sponsors of RC events nationwide

TECHNOLOGY BREAKTHROUGH

Piper Cub going for a dunk at November Float planes

# ***FLIGHT LINES***

HAMILTON MODEL AERO CLUB INC.

December 2015

[www.hamiltonmac.org.nz](http://www.hamiltonmac.org.nz)

PATRON	Stu Rogerson	
PRESIDENT	Grant Finlay	027-273-7461
VICE PRESIDENT	Gordon Meads	021-1252-911
SECRETARY	Alan Rowson	843 3889
TREASURER	Alan Rowson	843 3889
CLUB CAPTAIN	Mikey Wilson	021 168 9243
BULLETIN Ed.	Andrew Ferry,	<u><a href="mailto:andrewjamez@yahoo.co.nz">andrewjamez@yahoo.co.nz</a></u>

## COMMITTEE:

James Danby	0210444783
Mike Sutton	
Lyndon Perry	0212588506
Julian Thornton	0212267251
Sell Melville	0274823459

WEB SITE	Mikey Wilson	<a href="mailto:mikeywilson@gmail.com">mikeywilson@gmail.com</a>
CATERER	James Danby	

<b>CLUB NIGHT</b>	Wednesday 9th December	7.30 pm
<b>VENUE:</b>	Beerescourt Bowling Club	
	68 Maeroa Road - Hamilton	

**THEME:** HMAC Xmas Club Night Meeting & Awards

(plus Frazer Briggs talks about the Tucson Shootout aerobatics event)

**Bulletin Printing**    *Compliments of Gallagher*

# *Presidents Report*

Well this month I learnt the definition of "Damned HOT" when I shot across to Aussie to the Temora Warbirds Down Under Airshow where a mild 40 degree C afternoon in 25 knot winds can really knock the socks off you. I guess I can now say with certainty that I'm thankful to live in the Waikato and as we roll into summer I won't be complaining too loudly about the heat.



The month has been a bit erratic for weather and unpredictable as ever, so it came as no surprise when our monthly themed Club day ended up being a wash out. We don't seem to have a lot of luck with our warbirds days when it comes to weather, so hopefully next year we will do a bit better on this one. However our other club event was the last float plane day for the year at Lake D and this was a cracker. Gordon has written more about this elsewhere in the bulletin so I won't spoil his thunder.

Our December (and final) monthly flying event will be our Annual Xmas Fun Fly and BBQ Lunch at the HMAc Reekers club field. Hopefully some of our friends from Cambridge can join us for the day, along with our own families. The format will be much the same as past years, with a BBQ lunch shortly after midday. The Club will be supplying meats and soft drinks, tea & coffee etc. If club members could please bring along a salad or desert for a combined pot luck lunch, that would be appreciated. Anyone with a sunshade is welcome to put that up along with any extra seating, chairs and fold out tables. Hopefully we will see as many of you as can make it, it's always a fun and relaxing day for all.

Last months club night saw Lyndon Perry show us the inside of a Petrol Carburettor and attempt to promote the fact that they are not just a magic box that should never be opened. With filters to clean, diaphragms that can leak and valve pins that don't seat, it's

important that we understand these things to help get the best performance out of our petrol engines. Thanks Lyndon for an informative discussion.

This months club night is to be our traditional XMAS special, but with extra's. Frazer Briggs will be presenting a slot on his recent attendance at the Tucson Shootout Scale Aerobatics event in the USA, this is bound to be entertaining. With a bit of everything else in the mix, it will surely be a good fun night. Don't forget to bring along models for show and tell plus anything else that may be of interest. As in the past, if you would like to "bring a plate" to share for supper, that would be appreciated. Looking forward to seeing you there.

Don't forget the invite to the Cambridge Model Clubs Xmas Lunch time BBQ Flyin this weekend, Sunday December 6th. The Cambridge guy's always lay it on and make us very welcome, so make sure you get there if you can. And if you can take a plate along for lunch too, I'm sure they will really appreciate the extra contributions.

Well, that pretty much wraps it up for 2015 from me and my trusty tortured keyboard. All that remains is for me to wish each and every one of you and your families a safe and enjoyable Xmas and a Happy New Year. A very special thanks once again to the Reekers family for yet another great year as your guests, and a final thanks and best wishes to the farm staff for 2016.

Merry Christmas one and all. Grant.



## ***Captains Report***

Hi all, Another month already! As I sit here reflecting on the month that's been I am questioning just where it has gone. Spring has proven to be a good one to date as long as you are happy to fly with some wind and I have been doing a lot of park flying with small electric models which has been a good change from spending time in the shed repairing models, all of which are now flying again (of course better than they did before repairs). I did enjoy this month's club meeting and thanks for Lyndon to get up and share his knowledge on the inner working of the carburetor's that I see many of us trying to tune. Its always hard to present to your peers and it was a informative night. If you have an idea for a meeting or would like to present I am sure Grant would love to hear from you. The club sub 400 foot glider tow was a great spectator day and I particularly enjoyed the speed towing event, though I think Alans models did not. RIP yellow glider and white glider. After a few interesting Tows all seemed to go well and all enjoyed the day. This weekend is the float flying and by the time you read this we hopefully would have had a successful day. As always fly safe and see you at club night. This one is the big one! The annual HMAc Xmas Club Night Meeting - Awards and aunty showing us fun stuff. Remember to bring a plate! Check the website for all the other upcoming events.

Mikey

# ***Float Planes November***

After all the rough weather in recent weekends the chosen day dawned fine and calm. What a relief! On arriving at the lake there was a minor miracle, our beloved President arrived exactly on time with the gate key, which must be a first!

Proceedings were soon under way in the perfect flying conditions with plenty of pilots rolling up to have a go. There were a couple of new faces to float plane flying which was good to see.

Phil had a new low wing Calmato put onto floats which went very well right from the start, he put in many flights

across the day and commented it was nice to finally have a good, well behaved and reliable plane to fly.

Aunty was up to his usual tricks with his “Ready” until he did one too many which resulted in a bit of a “gool- hooley” . The end result...broken wing.

There were quite a few small electric planes flown as the calm conditions suited them well. They seem to be very successful but like anything electric have a morbid hatred of water. One dunking and you are out for the day! My personal preference (float planes)



is for glow powered aircraft as they can be dunked all day and still come back for more. They just need a good dry out when you get home.

Wayne had his new “The Beast” ready for it’s maiden at last, unfortunately engine issues once again put paid to getting it in the air. Man, I am getting sick of waiting! Kevin Uncles had come over from Rotorua to cheer Wayne on a bit and it was good to see him also flying a plane on floats, said it was his first time ever!

I had my North Star repaired (for I swear the last time) and threatened it with “either fly today or you’re in the bin”. It worked! A dramatic change of C of G had it flying like on rails for the first time ever. This has been a journey of five years but the end result is good so don’t give up on some of those projects! I also had my Rara Avis up and going again after it’s “holiday” in the top of a gum tree, with some new floats attached.

Unfortunately, the tail started breaking off after a bit so I retired it for the day, this plane has had more than nine lives...I can’t believe it is still going!



Chris had engine issues with his very nice Seawind but got it sorted after a while. Then he probably set a record for the most hops on takeoff and landing.....looks like it needs some very soft

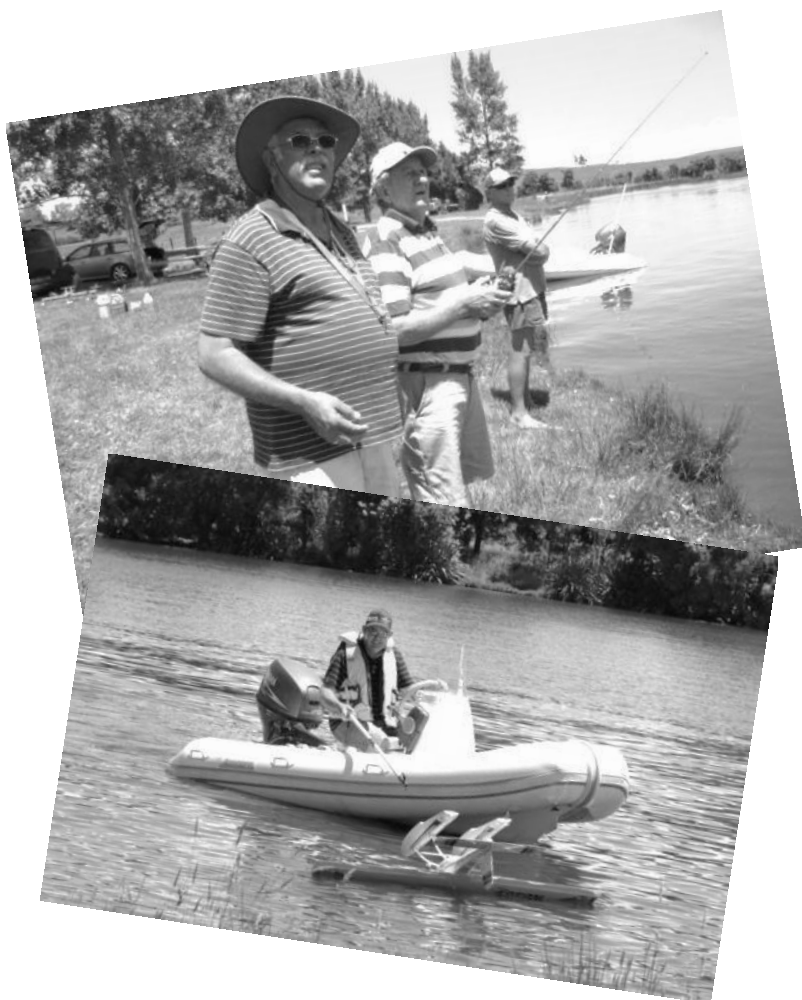


thumbs on the sticks. Brad as usual thought he was pylon racing with the fastest laps of the day, go you good thing!

We all spent some time looking for Jack's prop nut after it parted company in the pits, however eventually enough bits were gathered up from toolboxes to get it going again.

So, all in all a very good day was had by all with lots of flying done. The rescue boat as usual had plenty of use, thanks Phil. Now, a bit of a wait until next year until the next one.

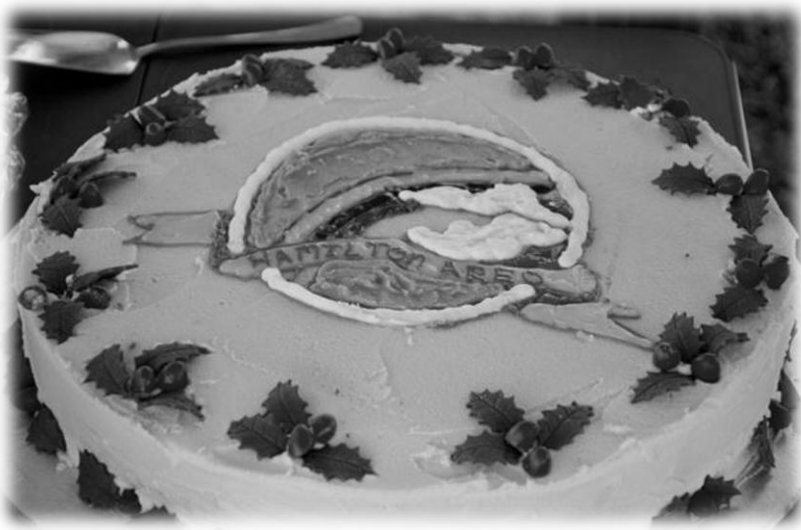
Gordon



# ***HMAC XMAS BBQ & FUNFLY 2015***

***13<sup>th</sup> Dec***

***Stamp this event on your calendar  
before it's taken up with not so fun  
festive activities.***



Please bring a plate for lunch, desert or  
both if you wish.  
Meat and drinks provided.

# *Coming Events*

- Dec 5-6<sup>th</sup>** Soaring Rally @ Taupo MAC, Centennial Dr Taupo (next to the Taupo Motor Sport Park)
- Dec 6<sup>th</sup>** Cambridge MAC XMAS BBQ 191 Maungakawa Road (Opposite letter box 188)
- Dec 9<sup>th</sup>** HMAc Xmas Club Night Meeting & Awards
- Dec 13<sup>th</sup>** HMAc Xmas BBQ & FunFly
- Dec 19<sup>th</sup>** RC Precision aerobatics Competition & Sat night BBQ  
JR Airsail Airfield
- Dec 20<sup>th</sup>** RC Pylon Racing Series & JR Airsail Airfield
- Jan 22<sup>nd</sup>** RC Vintage contest Nth Island Champs  
Thames Blackfeet MAC, Ngatea
- Jan 24<sup>th</sup>** RC Pylon Racing @ Clausens Farm  
244 Telephone Road, Puketaha Hamilton

## **Flight Lines Deadlines 2015**

Feb Bulletin – 28 Jan

March Bulletin – Feb

**For further up to date event info please visit:  
<http://www.hamiltonmac.org.nz/>**

Official newsletter of the  
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P.O. Box 1333, Hamilton

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