

Sept
2014

Flight Lines





IN STORE NOW!

THE NEW
SPEKTRUM™
DX9
NOW PRECISION
HAS A VOICE



From its beginnings, the people behind Spektrum technology have constantly sought new ways to make the RC experience simpler, safer and, most of all, more fun. The new DX9 transmitter is proof positive that this relentless spirit of innovation lives on.

Precision Now has a Voice. While the DX9 brings several new features to the Spektrum customer experience, the centerpiece is it's incredibly advanced voice alert system. In fact, with its lexicon of over 300 words, numbers and phrases, it's quite possibly the most advanced system of its kind ever seen (or heard) in a handheld transmitter.

Using this system, DX9 pilots will be able to maintain complete awareness of critical telemetry data and transmitter functions without ever having to take their eyes off what they're flying. For instance, pilots can program the DX9 to call out what flight mode has been chosen when switching from one to another. It can also be programmed to call out specific values for voltage, temps, or any other telemetry info, on demand. If an alarm goes off, the pilot won't have to look at the display to see what's happening. The DX9 can tell them.

Wireless Trainer Link. While the DX9 does have a trainer cord jack, instructors will have the option to wirelessly "buddy box" with another DSM2®/DSMX® transmitter. Once bound to another transmitter, ModelMatch™ technology will allow the DX9 to re-link without having to go through the bind process again.



Available from your local specialist RC Store or phone 0800 62 82 63 for your nearest dealer.

Cover; HMAC Biplanes on Display

FLIGHT LINES

HAMILTON MODEL AERO CLUB INC.

September 2014

www.hamiltonmac.org.nz

PATRON Stu Rogerson

PRESIDENT	Grant Finlay	027-273-7461
VICE PRESIDENT	Gordon Meads	021-1252-911
SECRETARY	Phil Hall 50 Houchens Road	843-4688
TREASURER	Phil Hall, 50 Houchens Road	843-4688
CLUB CAPTAIN	Mikey Wilson	021 168 9243
BULLETIN Ed.	Andrew Ferry, <u>andrewjamez@yahoo.co.nz</u>	

COMMITTEE:

Grant Finlay	
Mikey Wilson	021-168-924
Gordon Meads	021-1252-911
Mike Sutton	854-1413
Lyndon Perry	
Julian Thornton	
Sell Melville	
Andrew Ferry	847-2259

WEB SITE Mikey Wilson
CATERER James Danby

CLUB NIGHT Wednesday 10th September 7.30 pm
VENUE Beerescourt Bowling Club
68 Maeroa Road - Hamilton

THEME: Buy, Sell & Swap Meet

Bulletin Printing *Compliments of Racing Type. Ian Innes, Hamilton.*

Presidents Report

Would you believe it, I went away for two weeks holiday on the Sunshine Coast and what did I find there...Rain !! So much for escaping the end of winter. Ironically, the same two weeks presented perfect flying weekends here in the Waikato...well at least that's what everyone's been telling me. Maybe I could sell my services to the Aussies as a Rain maker to pay for my model expenses instead.



Augusts club night was an fascinating look at the different types of Radio Transmission frequencies and Aerials that can be used to run our model aircraft and FPV equipment on. Presented by Julian Thornton and backed up by Andrew Ferry, this proved an informative technical talk. Andrew finished off with a demonstration on how to build your own FPV aerials, saving countless dollars in the process. Thanks guy's for an interesting presentation.

This month's club night will be our annual Buy/Sell/Swap evening. Make sure you drag along some of that modelling gear you don't use anymore, maybe some old magazines or a surplus model etc. You never know who may want to give your stuff a new home and what's more, you may make some money as a result. (note, please bring cash or a cheque book as the club does not offer any money exchange service). Also, I have a couple of models plus a few litres of mixed fuel that have been donated to the club to sell off. Highest tender for each on the night will take them away, with the proceeds going to the club.

Augusts Club Fun Fly day was a STOL (short takeoff/landing competition) run by Mikey. I don't have any details on who won or took part, but I'm told it was a exciting event in fantastic weather. If you haven't taken part in these types of events, then have a

think about it for next time. They can test your skills and yet still be a lot of fun, you might even surprise yourself.

This month we have a number of activities planned. This weekend (7th Sept) is float plane flying back at the reserve at Lake (D) Kainui, Horotiu. Usual start time around 9am and hopefully a calm lake. The weekend following club night we have a Bi-Plane day scheduled at the club field. As always, that's just the theme for the day, so if you don't have a bipe, then anything else is still good to fly. Sunday 21st Sept is our monthly Glider day at the field. The month rounds out with Indoor on the 26th and RC Pylon at Clausens farm on the 28th Sept . Note, all and any helpers at pylon are always welcomed, so come on out for some fast paced action.

Indoor Flying Night. We've had some issues getting a date set for this, however we have now confirmed an Indoor event on the 26th Sept at the Dey St tennis stadium. Doors are open between 8 & 10pm. Remember, this venue costs around \$180 per night, so we'd like to see people taking advantage of the evening. It's only \$10 per pilot and gold coin donation for spectators, so it's a pretty cheap evenings entertainment (unless you crash that is). Pass the word around and lets hope to see a good turnout of models, pilots & spectators.

On that note, keep in mind the clubs website calendar is kept as up to date as possible. Please visit it regularly plus the "Member Updates" tab to keep up with any news, date changes and items that may be of interest. Also, we have a facebook page that can and is used to place information on. Both present the easiest way for us to keep you up to date. <http://www.hamiltonmac.org.nz/> or go to Hamilton Model Aircraft Club on FaceBook

Club Logo Stickers. At a recent club night it was suggested we invest in printing up the club logo as stickers, something we have not done in some time. Thanks to some fancy graphic work by Julian's daughter and Phil Hall doing the legwork, we are now happy to offer both the Clubs Rainbow (current) and Thermals (historic logo) stickers at the minuscule price of 50cents each.

These can be obtained by making arrangements with Phil or best purchased at club night.

Ok, that's my input to the magazine for another month. Thanks to those guy's that contribute articles. It would be nice to see a few new scratchings in here every once and a while though. Feel free to write about your models, experiences, hints, tips and anything else that may be of interest. It doesn't have to be a novel and as long as you keep it "readable" then we are happy to print it.

Til next month, safe flying.

Grant.

*Dey St Indoor Flying
26th Sept 8pm*



**\$10 Per Pilot
Non Members Welcome**

Captains Ramblings

Hi all, so in that wild weather a couple of weeks back my backyard fence blew over. I decided to repair it last weekend and it decided to be the calmest weekend of the year, the field was calling but my wife wanted the fence to be fixed, guess who won.. I hope the field was busy as I was thinking of all you flying circuits as I dug holes and concreted new posts in. Luckily I had time to buzz my neighbours with a variety of models as I was waiting for the concrete to harden. Onto the great STOL(short take-off and landing) competition of 2014. It was some stiff competition and a large entry with some taking the short landing aspect a little too literally (not looking at you Phil). Below are the final placings. Well done to all those who took part.

Foam Flyer

1st Malcolm flying the foam “swissair” with added non movable flaps (great innovation)

2nd Alan R flying the SEA5

3rd Gordon (was he even flying a foamy?)

The outward bound award goes to Phil.

Vintage

1st Gordon with a 12m total

2nd Wayne with a 13m total

3rd Alan with a close 3rd at 40m total

Wood/ Scale

1st John with his red Calmato with 38m total

2nd Steven with 42m total

3rd Brad with 45m flying his shoestring (not the best plane for a Stol competition Brad)

Autogyro.

1st Tom with 1.2m total – he was the only one to enter an autogyro and also won the King of Kings award for shortest take-off and landing roll, well done and a prize is winging your way! Best short landing goes to Dennis with his attempt to remove the judging panel.

Over and out,

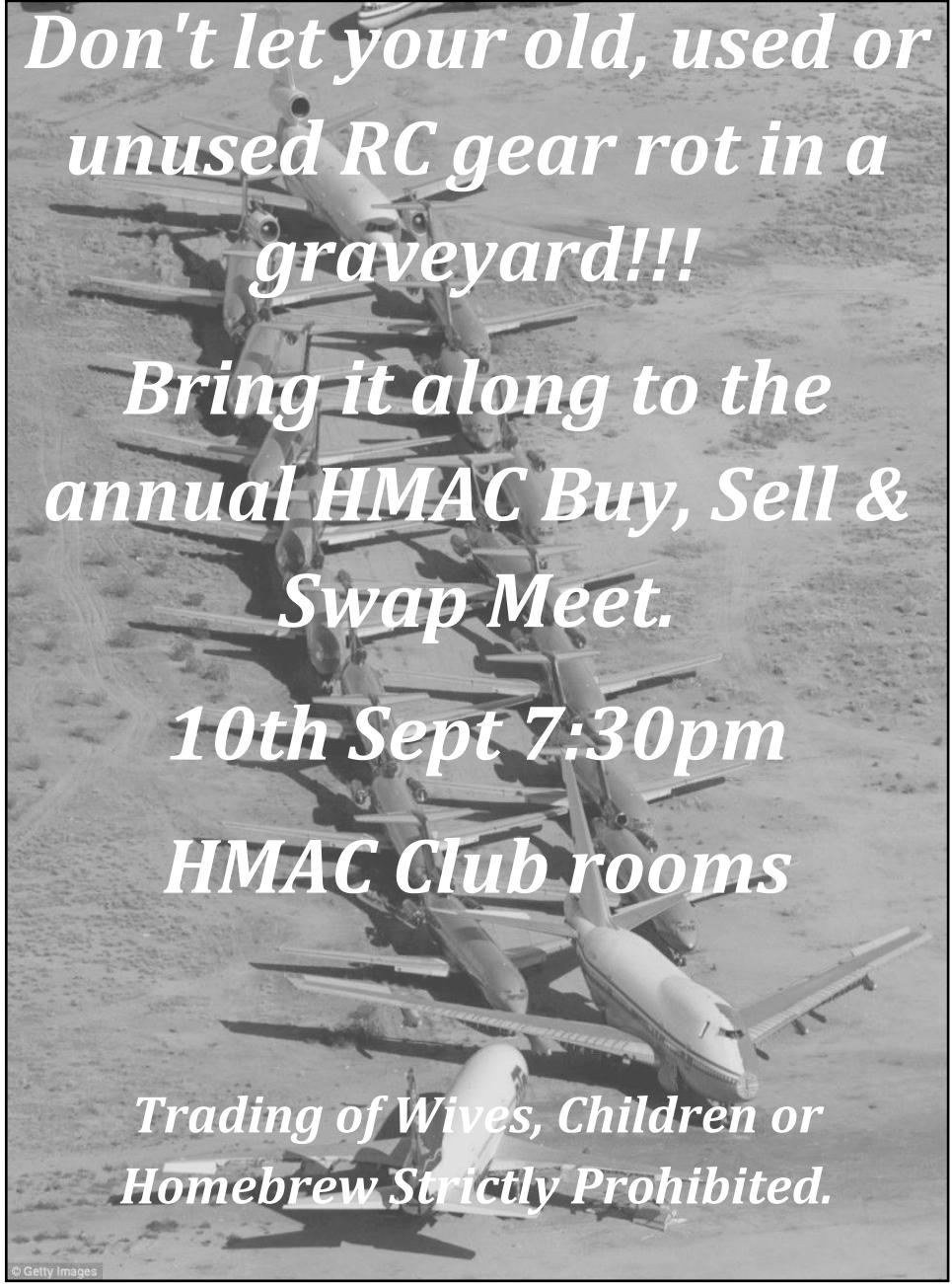
Mikey

Hamilton Model Aero Club

Sept Float Plane Day.



*Sept 7th, Lake D,
Horotiu
9:00am*



*Don't let your old, used or
unused RC gear rot in a
graveyard!!!*

*Bring it along to the
annual HMAC Buy, Sell &
Swap Meet.*

10th Sept 7:30pm

HMAC Club rooms

*Trading of Wives, Children or
Homebrew Strictly Prohibited.*

© Getty Images

For Sale

Eric Schofield's widow, Irene, is selling Eric's collection of planes and parts. Eric was mainly interested in electric planes but also had some excellent static planes. There is also a lot of building material available and some items related to boat building, a completed hull, a good book and some sail materials.

If interested please ring Irene on 855 6061 or email schofieie@xtra.co.nz

1/3 Isaac's Fury 7ft biplane with 43cc Imvac Gas engine. Museum scale with fully instruments and working cockpit. Not flown. \$2,500.

1/3 Piper Super Cub 12ft suitable for aero tow. Zenoah G62cc gas converted to electronic ignition. 100% scale and not flown. \$3,000.

Serious enquires to Ray King Ph 07 88444 4402 or email: rlking@clear.net.nz

Glider Kitsets For Sale

Selling on Behalf of Trevor Martin's Estate.

All kitsets are complete and unstarted, unless noted. Asking prices are indicated.

My contact details are:

Bryan Spencer
13 Singleton Avenue
Stonefields
Auckland 1072.
Phone: (09) 570 5506
Mobile: 021 930 141

E-mail: bspencer@xtra.co.nz

1. Graupner Cirrus 3 metre wingspan R/C Glider. Classic 1960's glider. Spare fibreglass fuselage; two extra cockpit canopies.

Previous moisture damage to a corner of the box but contents OK. Discolored transfers.

\$150

2. Modelair Seeker 99 2.5 metre wingspan R/C Glider. Classic Angus Macdonald design. Full plans and instruction booklet. Excellent condition.

\$200

3. Graupner Hi-Fly 2.3 metre wingspan R/C Glider. Extra cockpit cover. Full plans and instruction booklet. Excellent condition.

.049 Power Pod available separately; see Item 6.

\$180

4. Graupner Amigo II 2 metre wingspan R/C Glider. Die cut wing ribs pushed out of sheet. Full plans and instruction booklet. Excellent condition. 049 Power Pod available separately

\$180

5. Graupner .049 Power Pod. Suits Graupner Hi-Fly and Amigo II Gliders; Items 4 and 5 above. Excellent condition.

\$50

6. Airtronics Olympic II 2.54 metre wingspan R/C Hig Performance GliderFull plans and instruction booklet. Excellent condition.

\$200

7. Carl Goldberg Sophisticated Lady 2 metre wingspan 2 channel R/C Glider. Full plans and instruction booklet. Excellent condition.

\$150

8. Carl Goldberg Electra 2 metre wingspan 2-3 channel R/C Motorised GliderPower system included. Full plans and instruction booklet. Excellent condition.

\$180

9. Astroflight Astro Challenger 72 inch wingspan powered sailplane. Requires 3 channel R/c and cobalt 05 power system (not included) Full plans and instruction booklet. Excellent condition.

\$100

10. Veron Impala 52 inch wingspan Single Channel R/C Soarer No covering in box otherwise excellent condition. Full plans and instruction booklet.

\$120

11. Jasco Scout 72 inch wingspan 2 channel R/C glider Frank Zaic design which disassembles for transporting in the original compact kitset box. Full plans and instruction booklet. Excellent condition.

\$85

Beware the Flutter!

Collins dictionary defines flutter as, “A quick flapping or vibrating motion,” adding, “A potentially dangerous oscillation of...part of an aircraft.” To a pilot, full size or R/C, this “potentially dangerous” situation will guarantee an emotion somewhere between mild concern and abject terror.

Without getting all technical, flutter is more likely to occur the farther the centre of gravity of the control surface is from the hinge line. Large, unbalanced control surfaces that can flex due to such things as loose hinges, sloppy control connections, etc, are likely candidates to be affected by flutter. Therefore, mass balancing (weights on arms protruding forward of the hinge) is often employed, to bring the centre of gravity on, or close to, the hinge line.

Speed is a significant factor; the surface will resonate at its own critical speed. Control surface flutter is a very real issue in full size aircraft design. Every new aeroplane type is tested for the onset of flutter and a VNE (Velocity Never Exceed) placard is fixed to the instrument panel, stating the maximum permissible speed for that aeroplane.

If you ever suspect flutter, immediately slow the aeroplane down and land, to check it out. In my case, the severe oscillation of elevators was enough to fracture even the fin. But I was lucky; most of the time flutter of that magnitude will destroy the affected surfaces instantly.

Besides stiffening the pushrod and linkages, try mass balancing and desist from exceeding VNE. Perhaps a lower pitch, larger diameter propeller will help with that.

Coming Events

- Sept 7th** HMAC Float Planes, 9am start @ Lake D
- Sept 10th** HMAC Club Night - Buy Sell & Swap Meet
- Sept 14th** HMAC FunFly : Biplanes
- Sept 20th** RC Pattern Precision Aerobatics @ JR Airsail Airfield
Pukekawa Mercer (note Venue Change)
- Sept 21st** HMAC Glider Day
- Sept 26th** Indoor Flying @ Dey St. 8-10pm \$10/pilot
- Sept 28th** RC Pylon Racing Series. Clausen Farm, Puketaha.

Flight Lines Deadlines 2014

- Oct Bulletin – 28 Sept
- Nov Bulletin – 28 Oct
- Dec Bulletin – 28 Nov

For further up to date event info please visit:
<http://www.nzmaa.org.nz/calendar.htm>

Official newsletter of the
Hamilton Model Aero Club Inc.
P.O. Box 1333, Hamilton

Website: www.hamiltonmac.org.nz