



Piston 'n' Prop.

Newsletter

Marlborough Associated Modellers Society Inc.
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If Clubs or members currently receiving this Newsletter by mail could receive it by email please let me know carlmcmillan@ihug.co.nz

December 2013

Note:- The annual Model of The Year meeting is planned for Tuesday 10th December in the clubrooms at 7.30pm.

Remember heritage day is coming up, 6th Feb 2014.

Steam Section Meeting notes

15th Oct 2013

5 members and a welcome back to Blenheim for Ron Perkinson. A quieter night but a very pleasant evening enjoyed in fellowship and conversation.

Ken McIntyre had made a start on making a 9 cylinder Gnome rotary engine from plans, but with no accompanying text to aid in fabrication of the various component parts. Not sure of scale but it will suit a 22 - 24" propeller. He is making extensive use of the rotary table and mill combined with lathe work. There are many jigs and gauges to be made for holding parts for machining and ensuring uniformity / repeatability for the duplicated cylinder parts. He has machined the crankcase, cylinder liners & gearbox casing as well as the two-piece crankshaft which needs 1/16" keyways milled along it. He has had to work out procedures for each piece in absence of written instructions and is finding it an interesting exercise in machining.

He noted that the alteration to his Sweet Pea fire box by cutting out the burnt/wasted edges of the sides had exposed more boiler surface and it seemed to steam better.

Tom Hood has been busy fabricating 16 new bogeys for the club raised track passenger trolleys. The wheels and axles are completed and he is in the process of machining the frames, axle blocks, bolsters and spacers. We will look at standardising the trolley profiles and adjust the position of anti-tipping rails in the station area to suit. Better storage facilities for the trolleys will need to be investigated to minimise need for man-handling and ease of access.

19 Nov 2013

Another quiet night with 6 members present but good discussion.

Ken McIntyre has made progress on his rotary engine which apparently is 1/4 scale. He has partially machined the cylinder blanks - fins and spark plug holes to be machined at later stage. More special jigs and gauges have been required. He has machined the reduction gear clusters for driving the cam plate. Dummy parts made to be able to check assembly of parts that will be hidden from view. Fabricating a face seal for the crank case proved a headache as it needed to be pressed to shape but kept splitting. Solved by punching out the centre of the seal after pressing.

David Brown had brought along a vertical slide for his Myford that he is offering for sale. Enquiries to David if interested.

Nigel sought opinions on methods of securing and sealing the balance pipe between his Sweet Pea water tanks.

Bill Ward talked about his recent visit to Auckland and contact with members of Model & Experimental Engineers Auckland. He has been fabricating modular gear cutters and was seeking advice on backing off the cutter teeth. He is contemplating making a Eureka cutter accessory to accomplish this.

This led to general discussion on cutting gears in the lathe.

-- oOOo --

Committee Meeting notes for October & November

A warm welcome to Lynton Boyce (aero) and Arthur Coutts (aero & boats) into membership.

Our thoughts are with Mark Taylor and we wish him a speedy recovery after his recent operation.

The Signal Box painting is almost complete and fitment of new finials and boards for mounting the spouting is still to be done.

The boat pond was drained and cleaned on 7th Nov but this turned to be quite a mission. Thanks to those members who turned out to help.

During winter there had been a flood in Taylor River which scoured a section of river bank just above Burleigh Bridge. Contractors restored the bank and placed large boulders along the bank to help prevent further scouring. Unfortunately they removed / covered the end of our pond drain pipe in the process and we were not able to locate this to aid in draining the pond so pumps were used but took 8 1/2 hours to lower the water level. The pond didn't dry out enough late in the day to effect repairs and although some repairs were attempted, there were still some leaks evident after refilling the pond. When the drain pipe end has been located & repaired we will have to carry out the operation again, hopefully in the near future, to carry out further repairs.

Maintenance work around our area is being carried out, thanks to Ken McIntyre and others. Thanks to Peter Holdaway for the painting he is doing in the steaming bay area - it looks very smart. Weed spraying and grass cutting has been carried out, but the dryer weather recently has seen the need for this taper off.

The committee is looking at purchasing a new road sign to advertise our Running Days to try and attract more visitors into the park. Maintenance costs, as well as fuel costs, are funded by train rides and we haven't had great numbers of passengers recently.

Overgrown trees, roots, leaves and pine needles are causing problems to the tracks and pond and we need to get advice on how to resolve the problem. If we cut trees down we need to replant with something suitable. Anybody with ideas or expertise is welcome to contact the Committee.

Some years ago Doug Thynne's estate donated some Makita accessorised wood working tools to the club. These haven't been used and the Committee considers they are not really applicable to club requirements or operations. Any club member wishing to acquire these should contact the committee and arrange a time for viewing and negotiation.

The annual Model of The Year meeting is planned for Tuesday 10th December in the clubrooms at 7.30pm. This is one of the few times during the year that we get together and it is a great opportunity to bring along your models - both completed and in progress, to let other members see what is happening in other parts of the club. A small plate for supper, please, would be appreciated. So come along for a chat and a time of fellowship to finish off the year.

I would like to thank each of you for the part you have played in Club activities during the year, and trust you have had a pleasant and successful year in your model building and operation. We take this opportunity to wish each of you and your families a happy Christmas and successful New Year.

Nigel Wood
Secretary

Boating Report

A big thank you to the 8 members who came and helped clean the pond on the 9th Nov, It was quite mucky and it took all day to empty as the drain has not yet been repaired and it had to be pumped out. We didn't get all the things done we wanted to and unfortunately we have a leak or two to sort out so the water level will fluctuate until we get it sorted. We are doing the best we can so bear with us, we know where the drain pipe is and we are just waiting for it to be repaired, until then we can't do a lot. The water is a bit low for my yacht so I've been using my wee fizz boats on the days that I can get there, still good fun and it's great to have a chat with other members.

I haven't been able to do building for some time now but I know Allan Holdaway is making progress with his Harbour Defence Launch and John Henson is building a Starlet yacht and a model of Pelorus Jack.



Starlet



Pelorus Jack

The Waikawa Boating Club has gifted our club the RC model yachts they had. We want to keep them as club yachts for everyone to use, they are all the same

design but need some work done on them so if you feel inclined, take one, repair it to sailing condition and we will keep them at the club. Just let me know if you are interested.



Yacht from Waikawa boating club.

We have the Model of the Year coming up on the 10th so I hope some of you will bring a boat along finished or unfinished, I want to see what's happening in the club.

Heritage Day is early Feb next year, unfortunately I can't be there so we hope you are able to be there for that, we need a good turn out of boats both display and on the pond.

See you on the 10th
Philip

Flying Section report.

We have the model of the year meeting coming up on the 10th December, this is a good chance to show off a model you have completed during the year, or are working on, and a chance to see what is happening in the rest of the club. A small plate for supper, please, would be appreciated. So come along for a chat and a time of fellowship to finish off the year.

Heritage day is coming up in February next year (Feb 6th), this is the Big day for MAMS and other Brayshaw Park Clubs and societies. We will have models on display as usual. The Flying section is usually asked to provide members to man the gates and collect money, or direct parking for a single one hour stint during the

day. I have not heard any details yet, but it is something that is coming up and the next newsletter is too close to the time. I will let you know when I hear anything and if you could help please let me know.

The Slope soaring has been going on since daylight saving started, the weather has not been great and a couple of sessions were cancelled. There have also been a few reasonably good flying days as well. Numbers attending have been low but I hope that will pick up now that we are into the warmer weather.

(<http://youtu.be/gNqw9K2byfk> Slope video from a few weeks ago).

I went to another Aerotow meeting at BMAC on the 23rd November and had a good time (thanks BMAC members). We had several flights in absolutely fabulous lift conditions. Aerotow is proving to be a safe a reliable way to launch gliders, we have been using Velcro strips to launch gliders without tow release mechanisms and this works well. Peter Deacons launch trolley seems to eliminate any launch problems, where if a wing tip were to touch the ground during the launch run it could be problematic. His 4 metre scale ASW28 model takes off on its own undercarriage well enough, unfortunately his wing tip smoke generators did not work (that will be something to see in future). (Peter's video of a flight from onboard his glider <http://www.youtube.com/watch?v=8-CPjUTrOg>). It will also be good to See Allan Knox's big SHK model flying (see later in his report below), I just hope the Big Stik will be able to tow it well enough for him.

There is no reason we could not do Aerotow from our strip at Tuamarina if anyone is interested (probably not with the SHK though Allan).

It is good to see the flying site at Tuamarina is getting plenty of use, with many members picking there times to fly while the weather is good and the field not too crowded, it is good to catch up with the regulars on a Sunday morning though.

<http://youtu.be/hZRoOTQSp3E>

Thanks once again to Errol for his work mowing the Paddock, he has done it a few times in the last few months as the grass (and weeds) have been growing like mad and the field is looking good, very much appreciated.

We also welcome new members Arthur Coutts and Linton Boyce to MAMS.

Fly safely, have fun.

Carl M.

Allan's Report Oct Nov 2013

Another year of NDC flying is complete and it has gone well but it would always be good to have more of you involved. Competition adds a whole new dimension to our hobby. A feature of this year has been the participation by members of both Marlborough clubs although some of us are members of both.

We flew in 28 events over the 11 month period and recorded 56 entries. The end of the year saw the largest fields. 5 entries in RC Hand launch Glider and 4 in altitudes limited electric sailplane showing how much acceptance there is for this new type of electric flying. It's simple, good fun and cheap as you want to make it. (See Rex's Guppy)

Allan Baker and I had a fun year with our vintage models and really enjoyed some free flight too with our chuckies and catapult gliders. The best support though was for the glider classes, particularly RCHLG and Electric Sailplane.

Flying has been spread around too. MAMs field, Chaytors and BMAC up at the ARAdrome.

Success has been shared with Pete Deacon and Allan Baker winning a number of events. Pete set a National Record too in ALES 123 this month. Well done Pete.

Ken McMillan and Rex Ashwell have given competition ago this year too.

It has been particularly rewarding for me to see both clubs working together.

Perhaps we could extend this cooperation to other areas in the future, Invitational fly ins and the likes.

Results for the final events flown for the year are as follows.

Event 189 F3K RC HLG

We flew at ARA in nice conditions. Rex was flying his new Blaster 3 in his first event and went very well for 2nd. This really is a great class of flying, simple and relatively cheap with all the fun of man on man competition.

The Blaster comes from Vladimir's Models. These are the guys Joe Wurts worked with to create the Maxa F3J and now the all conquering Snipe HLG.

<http://f3j.in.ua/en/dlg-hlg-models.html>



Blaster 3

Allan Knox MFNZ # 7621

Rd1 522, Rd2 556, Rd3 549, Rd4 211

TOTAL 1838

Rex Ashwell MFNZ # 10746

Rd1 462, Rd2 425, Rd3 479, Rd4 315

TOTAL 1681

Event 189 F3K RC HLG
Peter Deacon MFNZ # 10441
Rd1 452, Rd2 329, Rd3 446, Rd4 378
TOTAL 1607

Event 189 F3K RC HLG
Ken MacMillan MFNZ # 10988
Rd1 253, Rd2 232, Rd3 430, Rd4 114
TOTAL 1029

Event 189 F3K RC HLG
Allan Baker MFNZ # 4943
Rd1 340, Rd2 265, Rd3 221, Rd4 81
TOTAL 907

Event 191 ALES 123 Class M Elect Sailplane

Flown at ARA after the RCHLG. Al Baker got straight into it and did well in the friendly Air. Al has recently scored a nice 2 meter electric from his brother (I think). It has the typical light European open structure with carbon tube spar and lots of ribs. Clear covering and with ailerons and brakes. Almost free flight in construction and it goes great.

Pete did the best though with his big Graphite and dropped just 4 points.

I was looking OK until my last flight when I didn't get the lift, just lots of sink to be down in just 3 mins 41 secs. ALES 123 means you launch to 123 meters (Regulation 400 feet) which doesn't leave much height to play with if you get stuck in sink.

Rex flew his beautiful little 60 inch plan built Guppy glider. Just rudder elevator but very elegant. There is a lot about Guppy here including links to plans.

<http://www.rcgroups.com/forums/showthread.php?t=846438&highlight=guppi>

There is a larger 2 meter version with ailerons too.



Guppy

Peter Deacon MFNZ # 10441

Rd1	5 min 58 sec	Land 50	408 pts
Rd2	6 min 1 sec	Land 50	409 pts
Rd1	6 min 1 sec	Land 50	409 pts
TOTAL 1226 points (National record just 4 points off perfect)			

Allan Baker MFNZ # 4943

Rd1	6 min 4 sec	Land 50	406 pts
Rd2	5 min 57 sec	Land 0	357 pts
Rd1	5 min 51 sec	Land 0	351 pts
TOTAL 1114 points			

Allan Knox MFNZ # 7621

Rd1	6 min 3 sec	Land 50	407 pts
Rd2	6 min 0 sec	Land 50	410 pts
Rd1	3 min 41 sec	Land 50	271 pts
TOTAL 1088 points			

Rex Ashwell MFNZ # 10746

Rd1	5 min 58 sec	Land 50	408 pts
Rd2	3 min 10 sec	Land 50	240 pts
Rd1	5 min 53 sec	Land 25	378 pts
TOTAL 1026 points			

Event 211 RC HLG

We were back at ARA for this one in warm westerly conditions. Peter had his New Neo model and what a difference that made. He went really well. Models do make a real difference in this class. I managed to have brain fade and destroyed my Blaster 2 through inattention. I used my old Weredog for 3 rounds but the score didn't really suffer too much. I would like a Neo though! Rex struggled a bit in the conditions and Ken and Allan Bs models showed their limitations as the breeze got up.

Here is stuff about Neo. Very cheap for what they are and their performance.

<http://www.rcgroups.com/forums/showthread.php?t=1765026&highlight=neo>



Neo has some cool colour schemes.

Peter Deacon MFNZ # 10441

R1 = 572 R2 = 510 R3 = 512 R4 = 413
TOTAL = 2007

Allan Knox MFNZ # 7621

R1 = 467 R2 = 496 R3 = 536 R4 = 333
TOTAL = 1832

Rex Ashwell MFNZ # 10746

R1 = 422 R2 = 326 R3 = 376 R4 = 215
TOTAL = 1339

Ken McMillan MFNZ # 10988

R1 = 169 R2 = 390 R3 = 472 R4 = 185
TOTAL = 1216

Event 212 ALES 200

Allan B won this one. He flew at MAMs earlier in the month in good conditions. Pete and I flew at ARA after the RCHLG in awful conditions. The westerly came through and put a blanket of sink over the field induced by the nearby hills up wind. We have had this before and it just destroys flight time. To see Pete's big efficient Graphite down repeatedly in 3 minute says it all.



Pete with the record setting Graphite. Not cheap but very very nice but even this model rushes down in sink.

Allan Baker MFNZ # 4943

Flt1 9 min 42 sec Landing 20 = 602

Flt2 3 min 37 sec landing 0 = 217

Flt3 10 min 0 sec Landing 40 = 640

Flt 4 10 min 2 sec landing 20 = 618

TOTAL = 2060 pts

Allan Knox MFNZ # 7621

Flt 1 5 min 29sec Land 0

Flt2 5 min 34 sec Land 0

Flt 3 5 min 4 sec Land 0

Flt 4 3 min 49 sec Land 40
TOTAL = 1236

Peter Deacon MFNZ # 10441
Flt 1 6 min 58 sec Land 0
Flt2 3 min 27 sec Land 0
Flt 3 3 min 12 sec Land 0
Flt 4 2 min 55 sec Land 0
TOTAL = 932

Event 213 Class H Thermal 2 meter RC Glider

I flew this one by myself with Ken doing the towing and timing just to get starters points really. Pulled out when the line broke.

Allan Knox MFNZ # 7621
Flt 1 1 min 44sec Land 50
Flt2 2 min 31 sec Land 50
TOTAL = 355

Event 216 Vintage RC Precision

We flew this one at MAMs in nice conditions. Me with my trusty Lancer 45 and Al using his larger lancer 72. The bigger models are tough to land accurately due to the greater size and mass as Al found out. He would have done better with the Zipper but it was in for repairs.

Looking through my old photos I found this shot of Al's Zipper on its first flight with its builder, John Ensoll on the sticks, about 2004. Yes that is a younger skinnier me. It had an OS40 FS in it at this time and it was a rocket! John's beautiful "New Ruler" is in the background.



Allan Knox MFNZ # 7621
Model Lancer 1938 Age Bonus = 12
Flt1 3 min 5 sec Land 20 = 200 (Max)
Flt2 3 min 1 sec Land 20 = 200 (Max)
Flt3 3 min 5 sec Land 20 = 200 (Max)
Fly Off Flt 3 min 0 sec Land 0 = 180
TOTAL = 780

Allan Baker MFNZ # 4943
Model Lancer 1938 Age Bonus = 12
Flt1 3 min 15 sec, Land 0, Age 12 = 177
Flt2 3 min 3 sec Land 0, Age 12 = 189
Flt3 2 min 59 sec Land 0, Age 12 = 191
TOTAL = 557

It saddens me that I don't get to go slope soaring these Wednesday evenings as I'm in Hamilton most weeks. I'm sure you guys are enjoying another summer on the hills though.

I'm frustrated too with being away from home because I can't get on and finish the SHK. I have got it painted though and have started the radio installation. The paint has really brought it to life. It has been 10 months in the building and a lot of hours. I sure hope I don't break it! There is a heap of work in a big machine like this but then everything possible has been scratch built. Thanks Mark (Taylor) for building the retract gear and thanks to Peter (Deacon) for moulding the canopy. This has made it cheap. \$500 would just about buy all the materials. 8.8 KG. It has 2 radio systems and 3 power supplies for redundancy. 9 Servos.



The big beast



That dark colour is used on lower surfaces to help visibility. It is actually purple but looks blue here.

FOR SALE;

NOTE - NZ Model Flier's World is now available for issue at both Blenheim and Picton libraries.

MAMS Membership and Subscription Structure

Ordinary Member (all Sections)	\$ 55
Family membership	\$ 60
Junior Member	\$ 35
Country Member (+40km from Blenheim)	\$ 35
Life Member	Nil.

Members may belong to any or all of the following Sections, for one Ordinary Membership fee:

Engineering - Boating - Flying.

*Flying Section members may join **MFNZ** (Recommended) for an **additional** annual fee of: **Senior \$67, Junior \$20, and Family \$72**, paid to MAMS.*

NOTE: NZMAA Fees fall due on the 1st April each year and must be paid by the club before 1st July, (if you could please pay To MAMS by the end of May to give me time to get the money to MFNZ in June it would be helpful). NEW members joining MFNZ after November 1st only have to pay half fees, however existing members renewing late, will still need to pay for a full year.

For on-line payments members just have to use the club account number, give their name and purpose of payment, i.e. MAMS subs, and/or MFNZ subs.

SBS Bank Account number is 031355 0512739 00

Subscription Policy: Financial membership shall cease if the required subscription fee has not been paid by the **31st of July**. **Non-financial members are not covered by our insurance policy and therefore cannot operate their models at our designated sites**, and they do not receive a Newsletter.

If members intend to resign from MAMS, or not renew their subscription, could they please let the treasurer or a committee member know.

(**New** members who have joined and paid their Subs from December 2013 onwards are still considered paid up club members for 2013/2014 year)

Those who have paid their subscription since the last AGM may collect their membership card and receipt from a folder on the notice board in the clubroom. Anyone not wishing to renew their membership please let the treasurer, or a committee member, know. If any flying section members are not renewing their membership could they also return their key to the flying field.

Publication dates: 1st week of **February**, April, June, August, October, and December.

Please get any items (Notices, articles, or for sale items etc) for the **February** issue to the editor before the end of **January**.