



BULLETIN OF THE AUCKLAND MODEL AERO CLUB INC. EST. 1928
April - May 2022



Mike Mulholland's Jaguar seen against a picture perfect sky at Carteron during the North Island Free Flight Champs, (See p. 17). *Photo: Ricky Bould*

REDFIN Precision Event, Karaka

The winner of this contest will receive a RedFin SAM 75 .75cc engine.
The contest is now scheduled for May/June. Date to be advised by email.

Rules

1. Model: Any IC Engine powered model.
- 2 Target Time will be set on the day .
- 3 The Contest will consist of three flights.
4. The score will be one point for each second variation from the target time up to the set target time.

This will be scored for each flight and the person with the lowest score will be judged the winner.

5. Minimum flight time is 20 seconds.
6. Engine timers are allowed.
7. DTs are allowed but they must operate at a time greater than twice the target time and are seen as a means of ensuring the model is recovered. In the event of early operation the flight will score the maximum penalty.

Model aero engines for sale

The following four motors are un-run and have only been out of the box to be looked at

O.S 25 FSR R/C. Includes spinner & G/F mount

MERCO 61 R/C. Late twin plug version. Muffler included.

K&B 61 R/C Model #6525 with muffler and mount.

K&B 61 R/C Model # 6535 pumper version and muffler.

All bids or offers to Arthur Pearce at jaymap1@gmail.com.

Model Aero engines from the estate of Geoff Northmore

To make an offer for any of these email Ricky Bould unimec1994@gmail.com

PAW 80 Grubby and needs freeing up.
R/C carb needs a new needle and actuation arm

G Mark 06 Complete and tidy with R/C throttle

OS 20 Four stroke Tidy and free needs cleaning

OS 40 Four stroke Tidy and free needs cleaning

AME 049 Tidy and free

AME 061 Tidy and free

ED Competition Special Tank damaged and needs freeing up

HP VT21 Needle is missing

(2) MP Jet 060 Glows Tidy and free includes throttle and silencer

Mills 1.3 Missing Tank

MARZ 2.5D In Box and has a PAW throttle fitted

Editorial – Alive and well

Next Club meeting

With the absence of club meetings and organized indoor and outdoor club events due to Covid concerns, you could be excused for wondering whether the club is still alive and well. However, behind the scenes, much as been happening. The committee have been keeping in touch to make decisions on running meetings and events and this issue of the bulletin carries notices for a number of coming events. After months of being out of touch with other club members via meetings, we are now able to look forward to a get-together. This is not quite our usual monthly members' club night as we have known it over the years, but it will be an outdoor 'show and tell' opportunity. Like you all, I am looking forward to this resumption of club meetings. As stated on page 20, this meeting will be at Karaka Sports Field on Sunday April 24 at 9.00am. If the weather looks unsuitable prior to the day, I will send out an email advising a rain date. If the weather is suitable, model flying around the meeting time is of course encouraged. Let's hope that this will be a memorable morning. From the reports that I have received for this and previous bulletins, there has been plenty of building activity so there should be a good crop of new and repaired models to view.

May Club meeting

This is the Club's Annual General Meeting and will be a return to the ASME Clubrooms on May 9.

Outdoor events

There are also notices of flying events elsewhere in the bulletin. The RedFin Precision event is still to be run and the winner will score a very nice SAM 75 .75cc diesel. If you would like to take part in this event contact Ricky 478 8949 so that he can call you when the weather seems right to fly the event. See the notice opposite for the simple rules. The annual Peterborough - Auckland Cloud Tramp Challenge will be flown over the next four weeks. Please keep in contact with Ricky who is coordinating the event. In the meantime, take the opportunity when the weather is calm to get your Cloud Tramps trimmed out. Still on the subject of Cloud Tramps, there is a reminder of the MIMLOCT memorial fly off at the Domain on Saturday August 6 at 4.00pm

Indoor events

There will be no Drury indoor night this month but a meeting is scheduled on May when Hangar Rat will be flown as a Club event. Regulars to the Morrinsville indoor day were sorry to have missed last year's contest, however, an indoor day is scheduled for October 16. Put it in your diary. There is also a notice on page 18.

Subscriptions

There are still some subscriptions outstanding. If you have not paid your sub, please do this now to enable the smooth running of the Club.

The committee welcome everyone to meetings and indoor and outdoor events and look forward to an active year to come.

STAN MAUGER

Virtual Table - Stan Mauger

Once again with no Club meeting since August, the 'virtual table' has had to replace our normal meeting table reports. The following are the contributions received since the last bulletin.

Paul Evans writes: The first thing to do wrong is to look at old plans and we all do it. I found the plan for the Comte AC4 in a 1989 AeroModeller. This free flight scale design is 38 inch wingspan and for a Dart .5cc diesel. Steve Wade made a fine model of the Comte many year ago and Martin has too, so I have to do better.

The first thing built was the fuselage. This is a box shape with two side frames built around solid formers. Stringers were then added to top, bottom and sides of it. Ali tubes for wing dowels and undercarriage fixing were then put in place. The undercarriage legs were shown with two ways of doing them, one with four legs and one with a V shaped rear leg. I used the V leg option.

A lot of work went into the engine mount and dummy cylinders. Cylinders were made using round balsa with thread glued on them. They were then fixed to a plastic bottle and a collector ring made up from laminated sheet and fitted to the rear of the engine This assembly is bolted to the first two formers. The only thing that I have changed was to install the engine upright rather than inverted as on the plan. No changes were made to the construction of either the tailplane or fin which were built to the plan. The wings are in two parts and held to the fuselage by pegs and rubber bands. Wing ribs and spars are all as per drawing with laminated wing tips. Wings are held up by four struts. Two were laminated using hard balsa with wire in them. I found that there was a blunder on the plan regarding the place for the strut fixing which was on a different rib on each wing on the plan. I picked the wrong one and fixed the problem. The wheels were made of ply and balsa with small rope for the rubber. Covering will be film with tissue.



Above: Paul's new Comte scale project built from the APS plan is progressing well.

Mike Stoodley writes: I have been busy on a couple of projects. I was the lucky recipient of Gwyn Avenell's large RC RWD8, being the first to see it when he offered it on Facebook. I am converting it to electric, and have now mounted the new motor to the existing firewall with standoffs. However, I am not satisfied with the alignment and will probably scrap this arrangement and mount the motor directly on to a new plywood firewall. I have added new rudder and elevator servos and adjusted the control wires and it is not far away from flying again. I am also making good progress on my other project, a Flying Flea. The nose has been rebuilt. As it needs a fair bit of nose weight anyway, I took the opportunity to beef it up a bit, but painting is pending successful flights. The main wing has had a carbon rod added to support the rear spar as it was a bit flimsy. It is now all set for re-covering on some rainy night soon.



Mike's electric conversions of two totally different scale subjects.

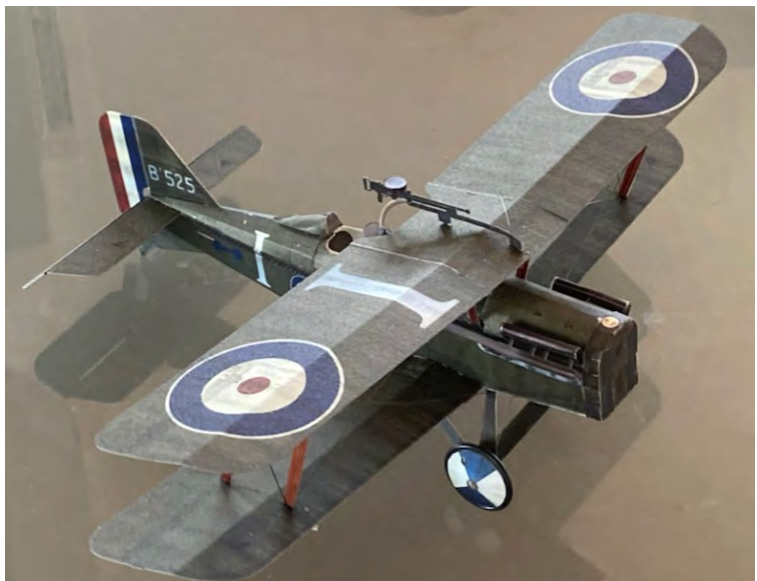
Above: progress on converting the RWD8 acquired from Gwyn Avenell.

Left: Rebuilt sections of the Flying Flea.

John Macdonald has made great progress on his Boeing P26 Peashooter started only about four months ago and it has been largely trouble free. It is scratch built using a three view from a US Modelling magazine, enlarged to 1/16 scale. The model will be powered by an AM .15 diesel. Construction is largely balsa sheet over the underlying balsa structure but it has ended up as quite a light model. The model was sprayed with Tamiya aerosols and after the balsa turned radial cowl is completed it will be ready for final decals and markings. Then the AM.15 can be installed. There is not too far to go.



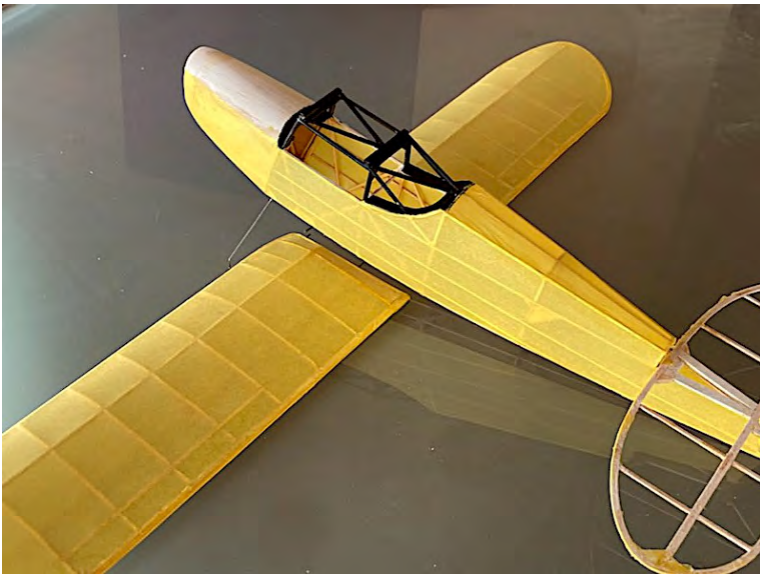
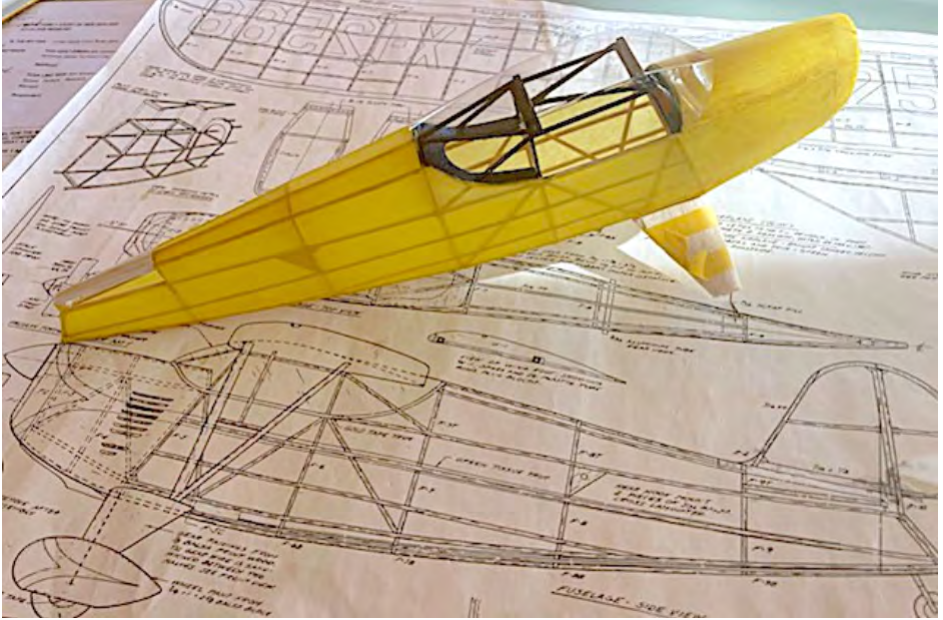
His SE5a assembled from a UK Microaces kit is quite unusual. A trip to their Internet site shows a range of beautifully produced scale and semi-scale small RC subjects. These EPO (Expanded Polyolefin) foam models are pre-printed but there is still some work to be done to assemble them. There is much use of foam and even the undercarriage is thin plastic with a carbon fibre axle. John's SE5a is 1/24 scale.



Upper: John's colourful control line scale P-26 is almost there, just needing insignias and markings and radial cowl.

Right: His unusual Microaces SE5a for RC built almost entirely from EPO foam.

His Rearwin Speedster is a stick and tissue model built from a John Bell Designs kit and is $\frac{3}{4}$ " to the foot scale and 24 inch span. The kit wood was excellent and parts fitted beautifully, making it a complex but enjoyable model to build. John has many of the range of John Bell Designs kits including a Lockheed Shooting Star, so we may see some other handsome models from this designer, on the table.



Upper: John Macdonald's Rearwin Speedster from the John Bell Designs kit .

Below: The model before glazing. Wings will be fixed rather than detachable.

Stan Mauger has just completed his 33" Span APS Terrier from the 1950s plan by Brian Lewis. The project had begun over twenty years ago. Having been handed an all sheet model built from this plan complete with a DC Sabre to power it, he had set about deciding what was retrievable. In the end a complete start on a new build was decided once the plan could be found. Initial progress was great until other projects caused a distraction and the partially built model had remained in a box for years only being revisited to extract it for occasional monthly meeting table 'show and tells'. The wings were covered during an Ardmore Club display in the Warbirds Hangar, as a demonstration, but that was a few years back. The model has recently received attention again. The Dart has been replaced with a PAL Pesky .44cc side-port, mounted inverted as final covering and completion got under way.



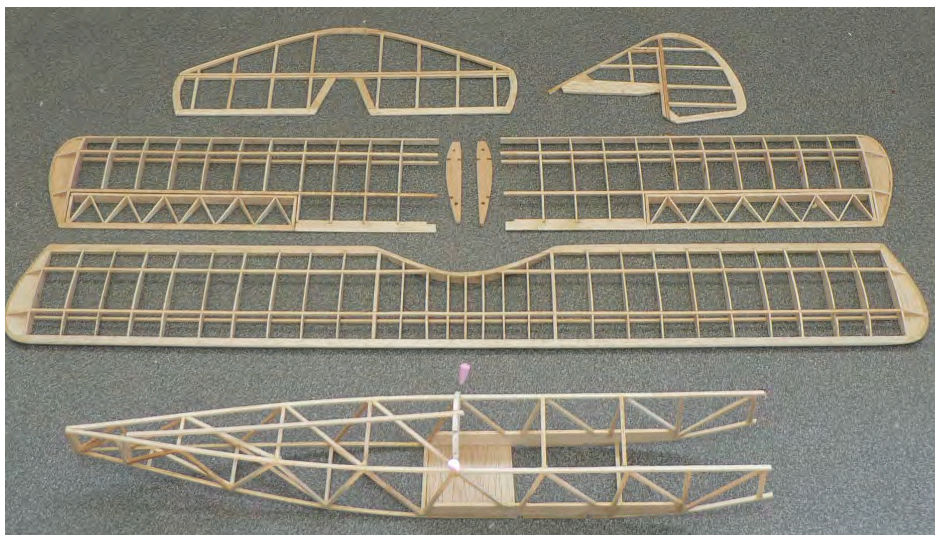
Above: The Terrier is a simple cabin model of easy and light construction. Covering is doped but unsprayed tissue.

Right: A view of the installation of the .44cc PAL Pesky side-port which should provide adequate power.



In his article in a 1954 the designer had mentioned that he had built his Terrier in a week, but Stan's model had taken years! It has, however, been worth the wait as the model has ended up being very light and rewarding to complete.

Brian Lewis suggests in the accompanying plan article that the design was "somewhat reminiscent of the Monocoupe series of cabin monoplanes", but the colour scheme in photographs of the designer's model looks more like that used on the Aeronca Champion. Also well under way is Stan's Fleet Biplane. This model is based on the Reiners Fleet Finch kit of 28 inch span. After studying the plan it was clear that balsa sizes could easily be reduced to save weight. The model will be built as the Model G which used a Gipsy engine rather than the Kinner radial used in other Canadian Fleet aircraft.

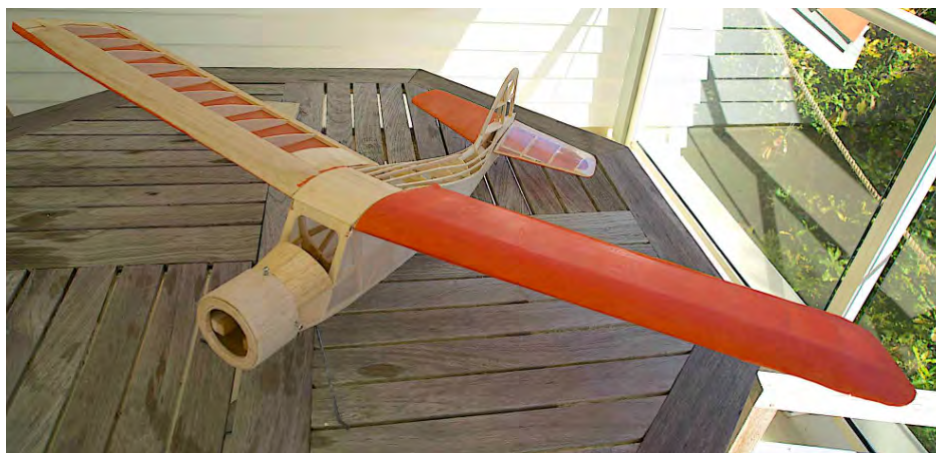


Fleet biplane progress.

Above: There is not too much more to do before rigging the centre section.

Left: The fuselage was constructed upside down, with 90° wedges to assist with getting sides square.

Ricky Bould's CO2 powered Baby Ace is ready for testing now that the front cowl has been completed. The model has a long history, having been built back in 1981 and then subsequently re-covered and restored. The model is from the Peck kit and finished in a colour scheme of a Canadian aircraft. The original Telco CO2 motor has been replaced with a Tornado 69 and better performance is expected. All up weight including the CO2 motor is 41g. His Keil Kraft Ladybird has progressed to covering since the time of the last bulletin. Silk is used on the fuselage and silk over mylar on wings and tail surfaces. Unlike other Keil Kraft sports flyers in their range, the model was designed by Stan Russell.



Upper: Ricky's Peck Baby Ace is at trimming stage but promises to be a good flyer.

Above: His Keil Kraft Ladybird, midway through silk over Mylar covering.

George Fay writes: My Aeronca C3 Master was put out by Dumas. The kit was supplied with laser cut parts which made construction quite easy. Originally, it was to be a non-flying static model. The finished model was very light and I thought it might fly well. It has had a couple of trimming flights, but needs some more flying sessions to get it right.

The Vought Corsair is an own design of the Royal Navy MK1 series, with sea blue colour scheme. Having built several Corsairs in the past, construction was not too difficult. It spans 25 inches and weighs 70 grams ready to fly. On 1000 turns on eight strands of 1/8 inch rubber it flies in a nice left circle.



Above: George's nicely trimmed Corsair and yet to trim Aeronca C3.

THE PETERBOROUGH - AUCKLAND CLOUD TRAMP CHALLENGE



April-May, day to be confirmed. Please be ready to do battle!
Please give Ricky Bould your contact details if you can take part.
Trim your model to be set up for the day!

John Swales writes: The last couple of years' Covid restrictions may have been a bonus for getting some projects underway or finished for some. Unfortunately for me, it has been even busier at work. Over this time, however, I have picked up a few RC projects, mainly from Facebook and TradeMe, and they are starting to stack up. There are currently five big ones in the pipeline.

The fifth is a giant T28 Trojan. I have a 'Round' engine for this one but it is a long term project and still a while off yet. It is big with a 1/5 scale 96 inch wingspan. I have done a lot of 'bits' towards this including several iterations of homemade gear and worked out mechanisms for a sliding canopy etc. I spent quite a bit of time looking over the full size aircraft at Ardmore before it went back to Christchurch.

This model will be of fibreglass over a foam construction, and I have done quite a few tests and experiments as a learning process for this type of construction including perfecting the foam cutting process. It is amazing how a few carefully placed strips of Carbon fibre stiffen things up. Incidentally, I am still flying my Foamy FMS T28 Trojan. I love flying this. Facebook has just reminded me it has just gone five years since I maiden it. With a couple of props, odd retract replacement and some touch-up red paint it looks as good as new.

The fourth is a P47 Jug of 72 inch wingspan, but I have no idea what kit it is. It had one main gear ripped out so there is a bit of work to do. A 25-30cc engine is needed so no work on this yet. Jugs just fly great so I am looking forward to getting this going.

The third is a Kyocera Spitfire also 72 inch span. The wing has been repaired and new retracts fitted. It just needs radio setup and engine run so is not far off.

The second is a Hanger 9 F6F Hellcat, reportedly ready to fly, with just a few cracks in the cowling but I almost ended up making a new cowl, though. On inspection I was concerned about the wing so the covering has all come off, a terrible job, and dihedral joints reinforced. Since it was so far apart I have decided to add flaps. The Hellcat flap operation is interesting, duplicating the full scale mechanism. It is quite a job but is almost complete. The wing will now be fully skinned and glassed, with a long access hatch for the Flap mechanism on the bottom. Hopefully the flaps will make up for the additional weight.

The current project on the table is a Seagull Models giant 86 inch wingspan AM6 Zero ARF at 1/5 scale. This was almost purchased accidentally, off TradeMe as mine was the only bid but still a good buy. It has DEL 55ra, electric retracts, servos and spectrum RX.

It is basically ready to fly but I fairly quickly made a list of twenty six items that I wanted to work on. This is all done now and I ran it up last weekend so it will maiden very soon.

This model is big and the heaviest I will have flown. Assembling the model is really a three man job, so I have made an assembly jig to assist and this will also work with all the other big models.

There is a story about the radio installation in this model. Come along to club night to hear that. It's different to your usual setup.



Top: The Seagull Models giant 86 inch wingspan AM6 Zero ARF is a big model at at 1/5 scale.

Above: The model on the assembly jig made to assist in putting it together.

Karaka Diary

10-4-22

There was excellent weather with wind up to maximum of 5 mph well into the morning. Present were Mike Mulholland, Ken Smith and Brian Howell.

Mike Mulholland was early setting up camp and was soon checking the trim on his Zipper rubber gassie, which has a dummy motor up front. It flew very well.

He also assisted Ken Smith with some trimming flights of his Cloud Tramp. Ken says that his Cloud Tramp flew the best it ever has, but is not very competitive, so there is still some work to do with the front end. Mike's Lysander once again performed another amazing flight. This is a light and well trimmed model making it a very reliable flyer.

Ken also flew his Ferry 500 electric model which stayed in the field for a change. His RC assist Free Flight Sloworm really found some lift and rewarded him with a good flight.



Above: Mike Mulholland's Keil Kraft Lysander on the winding stooge before another great flight.

Left: Ken Smith's Sloworm found some lift and flew well.

Photos: Brian Howell

He tried a flight with his little Sonex capacitor plane and found the colour trim is not waterproof but it flew well. Lastly, he took out his Foamy Piper Cub which had not been flown in years. This provided a relaxing flight in the really nice conditions.

Brian Howell came a bit later but didn't have anything to fly so had to be content with taking photos and helping others. It was great to be getting out and flying again.

Many thanks to Ken Smith and Brian Howell who provided photos and accounts of the day from which this report has been compiled.

STAN MAUGER

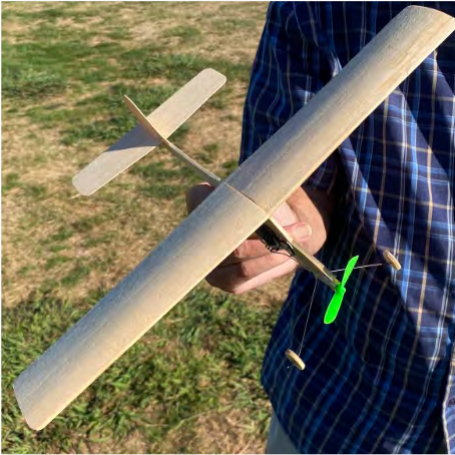


Above: Mike Mulholland's Zipper before a great flight.

Left: 'Exhaust' and dummy replicated engine add realism.
Photo: Ken Smith

Right: Ken Smith ran out of time to fly his Tomboy but enjoyed flying his Hobbyzone Cub.

Below: Ken's Sonex capacitor-powered foam model.



Above: Ken Smith had his Ferry 500 out for an airing.

Right: His Sonex capacitor-powered foam model being pre-flightted.

Photos: Brian Howell

North Island Free Flight Champs

A small group of AMAC flyers including Ricky Bould, Bill McGarvey and Mike Mulholland took part in this year's North Island Free Flight Champs held on Raynors Farm at Carterton at the start of this month. The farm is about the best venue one could find for free flight flying. After poor weather on day one, there was intense flying on the remaining two days

Free Flight events

Ricky flew in Catapult glider and was pleased with the times that he got from his P30 Teacher's Pet which made several maxes. There were about five or so flying in this event. His Simplex performed well in Vintage Precision, but his flight totals were reduced by a problem with the engine timer on the first flight. There were only a small number competing in the event, but most got close to the target time. Bill flew in Vintage Rubber recording a number of maxes with his Korda Wakefield. Mike's Jaguar Wakefield made some good times and looked great in the air. He had plenty of other rubber models to fly too, including his 1963 Dietrich Convertible flown in Vintage Rubber and his 20 inch span Airsail Skeeter that distinguished itself in Vintage Precision. He had also brought his Zipper rubber vintage model to trim. In 1/2A Power he achieved some good times from his TD .049 powered Mini Weaver, with a four minute flight from a ten second motor run.

Scale Free flight

Mike had great flights from both his Keil Kraft Lysander and Avetek Airtrainer CT4. Both are now proven flyers. He also brought out a Kit Scale Airsail AOP9 built by Yolande that again flew well. Mike fitted in plenty of scale flights between flying free flight models. Ricky tested his Veron Luscombe Sedan, VMC Cessna and VMC Bird Dog, between free flight events. All would agree that this was a most enjoyable few days of free flight flying and well worth the journey south. Many thanks to Ricky, Bill and Mike who provided accounts of the weekend from which this report has been compiled. Thanks also to Ricky for photos of Mike's Jaguar.

STAN MAUGER



Left: Mike Mulholland with his Jaguar flown in Vintage Rubber.
Photo: Ricky Bould

Indoor Free Flight Morrinsville Day

Sunday October 16, 2022

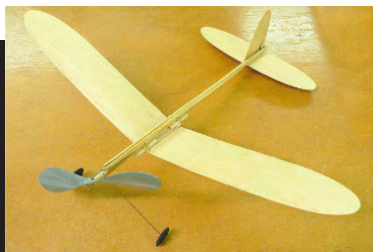
- F4D Rubber Scale
- Hangar Rat
- F4F Peanut Scale
- HL Glider
- Memorial Scale
- Modelair Hornet
- Kit Scale

Westpac Stadium Hall, 21 Ron Ladd Place, Morrinsville

Contact Stan Mauger 09 575 7971, stanm09c4@gmail.com
for more information



Organised by the Auckland Model Aero Club Inc
in conjunction with the Scale Free Flight & Control Line SIG



MIMLOCT Saturday August 6, 2022

(Memorial Mass Launch of Cloud Tramps)

Bring you Cloud Tramp for the mass launch. We will assemble at the Domain at 4pm. Phone Ricky on 478 8949 for cancellation if the weather looks uncertain

Slipstream contributions

Contributions of reports and photos on flying activity as well as articles and information about latest projects are very welcome. Please just send them in.

Photo credits: Unless otherwise noted, all photographs are by the authors of each article.

Calendar April-May

For information about the location of club fields and cancellations or postponement of flying, contact the field stewards.

KARAKA

Karaka Sports Park

Free flight and radio flying within field limitations

NDC RC Vintage events (refer to MFNZ under NDC)

HOTEO

Sundays

Call the field steward if you would like to go up and do some free flight and vintage flying there.

NDC FF Vintage events

(refer to MFNZ under NDC list).

Hoteo Steward

Paul Evans

479-6378

ziply@xtra.co.nz

AKA AKA

Saturdays & Sundays

Aka Aka Steward

Intending flyers should phone Lloyd Hull to arrange to fly
Lloyd Hull 09 235 2890

CONTROL LINE

As advised

Control line flying

Intending flyers should phone Stan Mauger to confirm where and whether there will be flying.

C/L Steward

Stan Mauger 575 7971 stanm09c4@gmail.com

INDOOR EVENTS

Drury

Drury School Hall

April Indoor night cancelled

Monday May16

Hangar Rat (7.30 - 10.00pm).

Indoor Steward

Brian Howell

020 4121 5201

b.how@xtra.co.nz

Calendar Looking Ahead

KARAKA

April/May 2022

RedFin Precision Event as notified

Peterborough-Auckland Cloud Tramp Challenge [See p. 11]

MORRINSVILLE

October 16, 2022

Indoor Free Flight classes

Hangar Rat, Hand Launched Glider, Modelair Hornet.

Indoor Free Flight Scale classes

Open Rubber Scale, Peanut Scale, Memorial Scale, and Kit Scale.

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Club subscriptions

NZMAA Affiliation is mandatory for Club flying

Senior \$50 (+\$95 NZMAA) **Family** \$55 (+\$100 NZMAA)

Junior \$10 (+\$30 NZMAA) **Non-flying** \$40

Intending members with current NZMAA affiliation pay only the AMAC sub

Please pay your membership subscription using online bank transfer to the Club bank account 030291-0086069-00 (please use your name as the reference)

NEXT CLUB MEETING AND NATTER NIGHT

Because Covid has not entirely left us, we will meet outdoors this month

April Club Meeting.

Karaka Sports Field

9.00am Sunday April 24

Bring a folding chair, Masks and social distancing recommended!

Theme: Show and tell of model projects

If the weather looks unsuitable you will be notified by email and advised of an alternative meeting date

May Club AGM.

ASME Clubrooms

Peterson Reserve, Panmure

7.30pm Monday May 9

Masks and social distancing recommended!

Table: Modelling items from the estate of Geoff Northmore for sale