

ROTORUA MODEL AIRCRAFT CLUB (INC)

June 2021 NEWSLETTER

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Sub for the 2021 - 2022 year RMAC MFNZ TOTAL
are

Family	\$120	\$100	\$220
Senior	\$115	\$95	\$210
Junior	\$45	\$30	\$75
Associate	\$50	-	\$50

Payment can be made to ANZ account # 116102_ 0913131_11 Include your name in the details

Welcome to the June 2021 newsletter.

Theres been plenty of action at the strip this month. Theres been some excellent days once the fog has cleared. Colin's Pitts is going well. Brian has been over and flying well. He has once again provided another photo spread attachment. Russell's Kadet has been regularly beating up the sky. Captain Monty's Lancaster continues to impress and Bryan is now going well under Dave's guidance. Josh had the trainer cord pulled on Saturday and is now solo. My exploits into single channel now have a low wing Hummingbird going urged along with a ME Heron 1cc diesel.

Unfortunately the Blackfoot Vintage meeting was cancelled because of the weather. The big event this month is the Tauranga Auction. The annual exchange of wrecks junk and the odd bargain worth having. Always worth a visit just for the entertainment alone.

Electronics and software

My dabblings with Galloping Ghost (a 1960s electro mechanical system of proportional control using single channel) have now reached the stage where a new transmitter has been constructed and a receiver has neen modified with an H drive output. The radio is all working and range tested however the electric motor in the actuator is a bit dodgy so until a new motor is found progress is stalled.

The Mode -Zero forum [www. mode.zero.uk](http://www.mode.zero.uk) is a site where all sorts of info is posted on r/c projects and experimentation. Many projects are using the Arduino Nano a programmable box of tricks you programme using a PC.

Among the projects some of the guys have developed are a FHSS radio set.

To keep entertained during the winter I've purchased an Arduino development kit and found some excellent tutorials on the internet. All good fun!



AUCTION

SUNDAY 13TH JUNE

REGISTRATION 8.30am AUCTION 10am

For further information
contact: Dave Marriott 021909407
or taurangamodelfly@gmail.com

CLASSIC FLYERS AVIATION MUSEUM

Jean Batten Drive
Mount Maunganui



Tidy Tom in his den

Models Seen At The Strip



Bryans Trainer



Dave's Airforce



Colin's Rockets

Presidents Notes.

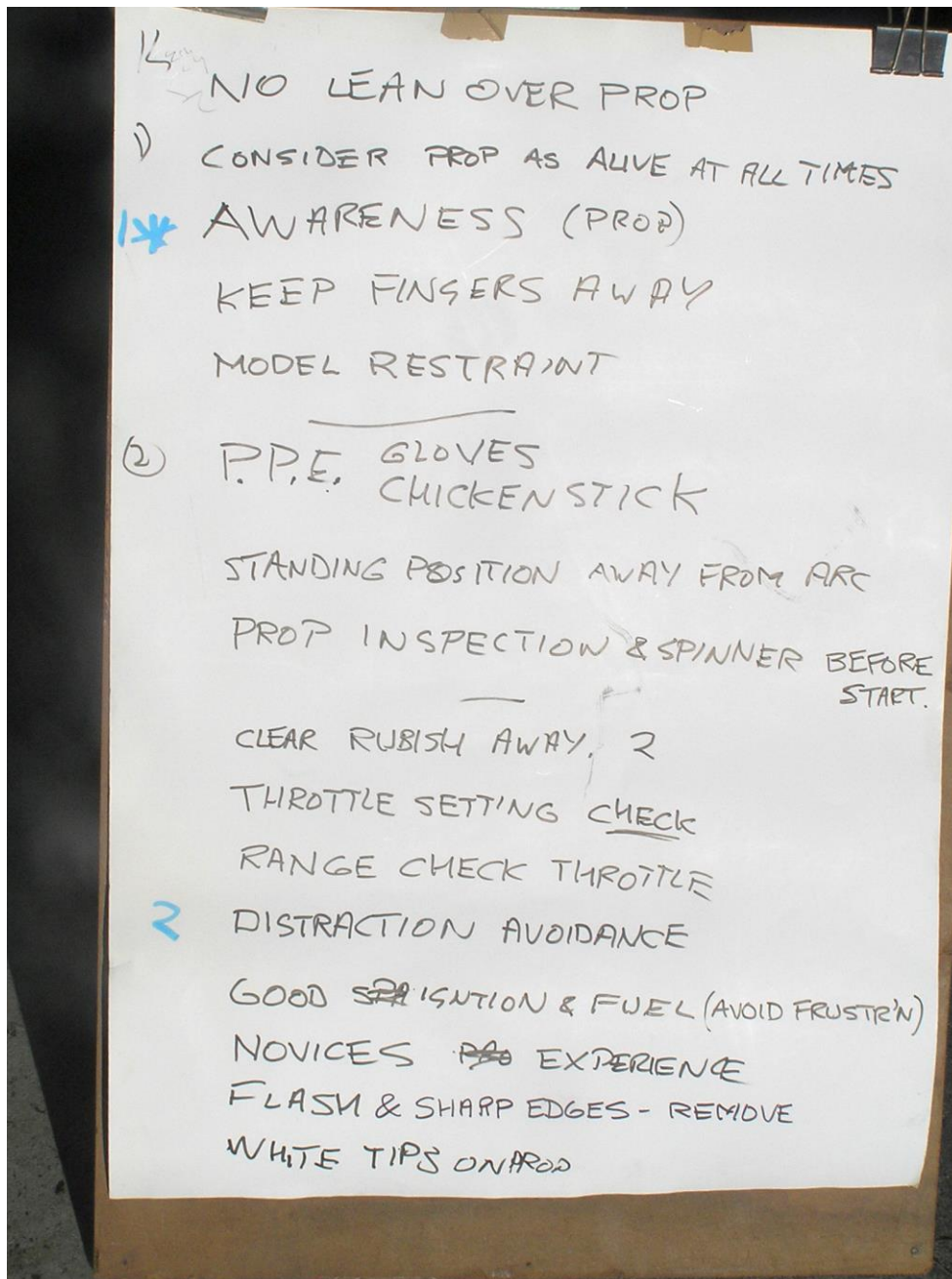
This month has seen a mixed bag of flying conditions, some beautiful calm days and others with Autumn winds and a definite chill. Fortunately following the major bush recovery at the beginning of the month there has been no significant crashes during the month.

Here is a video taken by Tom's drone of Glen and myself doing the bush recovery: [Model Recovery](#) , and here is a video of us staggering out of the bush: [going home](#). Tom led us to the crash site by wiggling the drone over us in the bush and then moving in the direction needed. We would never have found it without this. These drone things do have their uses!

During the month the intent was to hold two workshops, one covering propellor safety and one on using the clubhouse first aid kit to stem the blood if the worst did happen.

It was a perfect flying day, and the facilitator (me) was late, so the propellor safety workshop was limited to IC engines only. Electrics will be done another time

The participants were split into pairs and each pair was asked to list the top five top points regarding personal safety when starting an IC engine. Here is a pic of the workboard:



The top points from each group were:

- 1) Do not lean over the propellor. Remove glow clip from behind the model.
- 2) Consider the prop to be alive at all times
- 3) Maintain concentration, and awareness of the propellor
- 4) Keep fingers away from the prop.
- 5) Use effective model restraint.

The next five points were:

- 1) Avoid being distracted (particularly by other people) whilst starting and handling the live model.
- 2) Use Personal Protective Equipment, gloves, chicken stick etc
- 3) Always stand behind the prop arc, never at the side

- 4) Inspect prop and spinner for damage before starting
- 5) Clear physical distractions (tools, spare props, rags, rubbish etc) away from around the model before starting.

Other points:

- 1) Check throttle setting before trying to start the engine. (range check, and idle setting)
- 2) Use good ignition and fuel (to avoid frustration and distraction)
- 3) Remove flash and sharp edges from prop TE
- 4) Paint white or yellow tips on propellor
- 5) If the person is a novice more care is needed, check skill and experience level.
- 6) Use a remote NV. At least fit an extension if a front mounted one.
- 7) On 4 stroke engines an over lean mixture can result in a backfire and prop being thrown off forward.

The points are a mixture of physical safety items and procedures, but a number of them focus on the importance of the mental mindset during starting.

We have all experienced problems trying to fire up the beast and this can lead to feelings of irritation, annoyance, exasperation, frustration and infuriation at the damn engine. These can all lead to lapses in safety awareness.

For me, what came out the most was the importance of the mental mindset. A calm, well-practised routine with full awareness of the prop is the best prevention against injury.

As mentioned, electric prop safety will be covered at another time and the scheduled first aid session was postponed because the weather was bad and no one would have been out there. Stay tuned for a fresh attempt.

Last month I mentioned about the MOT discussion document re drones and model aircraft. Have you made a submission? I doubt it! ...If you intend to, the closing date was extended until June 4.

A more interesting subject is the upcoming TMAC auction on June 13. Always a good way to spend some money on other people's cast offs. But wait a moment, many of our members have got some good stuff there.

COMING EVENTS

June NDC Vintage Precision
13 Tauranga MAC Auction
July NDC Classical Vintage Precision
August NDC Vintage Precision
NDC Vintage Duration
September NDC 1/2A Texaco

CLUB FUEL

METHANOL \$2.50 PER LITRE (OWN CONTAINER)

MIXED:

1 US GALLON = 3.785 LITRES (3.8L)

70% METHANOL, 20% COOLPOWER, 10% NITRO

\$40.00 [US GALLON

\$10.00 per LITRE

FUEL WITHOUT NITRO

82% METHANOL, 18% COOLPOWER oil

\$? US GALLON

\$? PER LITRE

Or, MIXED TO SUIT YOUR REQUIREMENTS

ALL PROFIT GOES TO THE CLUB

PLEASE BRING YOUR OWN CONTAINER

Contact: ALAN SMITH. 347 9312