

Aerobat

**The Official Magazine
of the
Hibiscus Coast Radio Fliers Club**



**HAPPY NEW YEAR
TO ALL**

February/March 2020

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COVER PHOTO

RNZAF Rukuhia.
(Near Hamilton.)
Storage depot for
surplus WW2 aircraft.

Makes you want to cry
doesn't it.

H.C.R.F. Calendar 2020

**Our fixed flying times are every
Wednesday, Saturday and Sunday morning**

Date	Day	Event	Where/When
1 Feb	Sat	Winch Gliding	Wainui 8.30 am - 12.00 noon
1 Feb	Sat	Monthly meeting	Club House Wainui Rd
5 Feb	Wed	Twilight 3 Rain Date	Wainui 5-00 pm
7 Mar	Sat	Monthly meeting	Club House Wainui Rd
4 Mar	Wed	Twilight 4	Wainui 5-00 pm
7 Mar	Sat	Winch Gliding	Wainui 8.30 am - 12.00 noon
11Mar	Wed	Twilight 4 Rain Date	Wainui 5-00 pm
4 Apr	Sat	Winch Gliding	Wainui 8.30 am - 12.00 noon
4 Apr	Mon	Monthly meeting	Club House Wainui Rd



From the Editor's Desk



Well the summer is almost over and soon the leaves will start to fall. This will be accompanied by the nice calm days and a lot less sun block needed.

It was encouraging to see the large turnout for the Twilight. The event was marked by the large number of ladies present. Great to see the club truly being a "family club" again.

I personally think they came to taste the "McLadds" fine products that just seemed to evaporate for some reason. I did note the landlord leaving with two partly full bottles hidden under his coat.

You will be pleased to know that the Witch has had a rebuild. This included a new cape, motor and many little bits that she really needed after 10 plus years flying out of and into some rather precarious flying sites. One of the most exciting was at the Takapuna Kite Day, where she had to fly between the strings of giant, (5 meter plus,) kites. Jim and I put on a show that really was appreciated.

Good flying
Ross McDonnell Editor.

Wine is constant proof that God loves us and loves to see us happy.

From the President's Desk

Happy New year everyone, hope you had a lovely Christmas and a relaxing holiday.

Well the sun's shining, the wind has dropped away, what a lovely weekend we've just had, plus the last Twilight was one of the best I can remember. So good in fact our master chef Nigel suggested we need a longer bigger BBQ - even suggested the one we need is sitting waiting for us at Bunnings.

So needless to say we have the new 3m long hot plated 'thing of beauty' all ready for our next Twilight on the 29th - blast I forgot to get him a white master chef's hat to go with it .

The hay has been cut, the runway is in great shape as well as a summer to enjoy - so what more do we need, let's get flying!!

A big thanks to Norm Burns who organised raising the long bench seat up a couple of hundred mils just so that we mature people can stand up unaided from sitting. Oh and he had to put up with a second year apprentice helping him 'yours truly' that's another job done - good one Norm.

Ok so let's enjoy the summer,

Happy Landings

Pete Denison



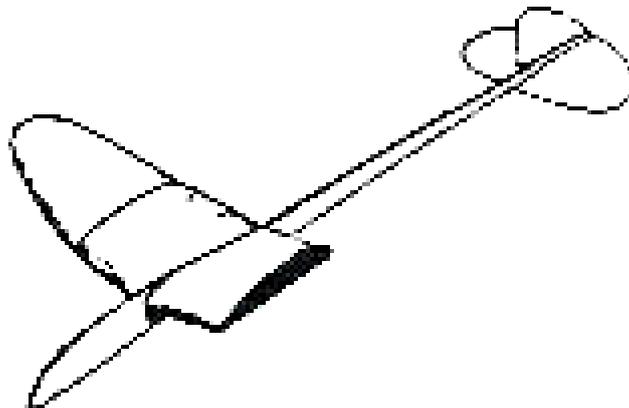
New Zealand Air Force's best ever plane! (*Mind you I could be biased. Ed*).

The difference between stupidity and genius is that genius has its limits.

WANT TO TRY SOMETHING DIFFERENT AND NEED A GOOD NIGHT OUT.

Auckland Free Flight Club presents

the 2020 Summer Chuck Glider Series



Monday evenings at Avondale Race Course,
Suggested entry from Wingate St, Avondale
7-8 PM (we start at 7pm sharp)

NB - We fly whatever the weather !!, don't stay at home, come and fly.

January 6th, 20th

February 3rd, 17th

March 2nd

Chuck gliders and catapult gliders all welcome !

(tip launched gliders are included)

Come along and take part, enjoy the fun for young and old.

(Please bring a stop watch)

[See Stan Somerfield for advice and more information. Ed](#)

As a child my family's menu consisted of two choices: take it or leave it.

The Twilight in pictures



Photos Peter Denison and Henny Remkes

People are prisoners of their phones - That's why they are called cell phones

The flying racing cars are real!

David Linklater



Yes, they are real: a much talked about airborne electric racing series made its global debut at the Goodwood Festival of Speed this month.

The Airspeeder race series, set to start in 2020, will feature manned "quadcopters" with fully electric power, racing at low

altitude. The Airspeeder World Championship will have five teams and 10 pilots.

At Goodwood, two prototype Speeders were flown head-to-head at up to 100kmh, four metres above the ground - albeit by remote control rather than with human pilots at this stage.



Swappable battery pack lasts 15 minutes at full power. Alauda Racing, the Australian start-up company behind the series, says the finished machines will be able to hit 200kmh. The Speeders are around four metres long, weigh 250kg and are propelled by eight 50kW motors driving 60-inch blades. The 500kWh battery packs provide full thrust for 15 minutes and are "swappable", meaning that they can be refreshed during pit stops for the 30-minute races.

While air racing has been around almost as long as wheeled motorsport, the Airspeeder series is closer to cars than planes. It's inspired by Formula E racing and the intention is for the series to travel around the world and compete at iconic motorsport venues. It's hoped that Speeder technology will help development of commercially available "flying cars"; some of their hi-tech features are applicable to conventional vehicles. For example, they have sophisticated collision avoidance systems and software to manage power delivery and battery efficiency.

A built-in augmented reality vision system will allow the pilot to "see through" the craft's body. This will provide maximum visibility when manoeuvring and overtaking Speeders out-of-sight underneath the level of the cockpit.

Cluster bombing from B-52s is very, very accurate. The bombs always hit the ground

2019 Christmas Lunch



The surest sign that intelligent life exists elsewhere in the universe is that it has never tried to contact us.

Fairy Swordfish

Designer Clifford McIlwee (enlarged Traplet plan)
Wingspan 72"
Weight 11.5 lb
Engine OS Fs V 95



Well I'm finally back on my Swordfish again. The plan was to just put it to one side for a couple of months while I caught up on other things, well that was almost 12 months ago. So it took me a few days just to go over everything to make sense of what I had done so far, thankfully didn't have to change anything.

I decided to get the fuselage finished before starting on the wings, tail, fin etc. and to fit as much of the controls, electrics into it before closing it in. So I installed the tank and the throttle servo just above the undercarriage 6 mm ply plate that's removable. The plane has three removable hatches built into the fuselage. One for the two 6.0v NiMh flat pack batteries (for controls and glow plug driver) another for the Receiver, and another one for the Sullivan Glow driver control unit.



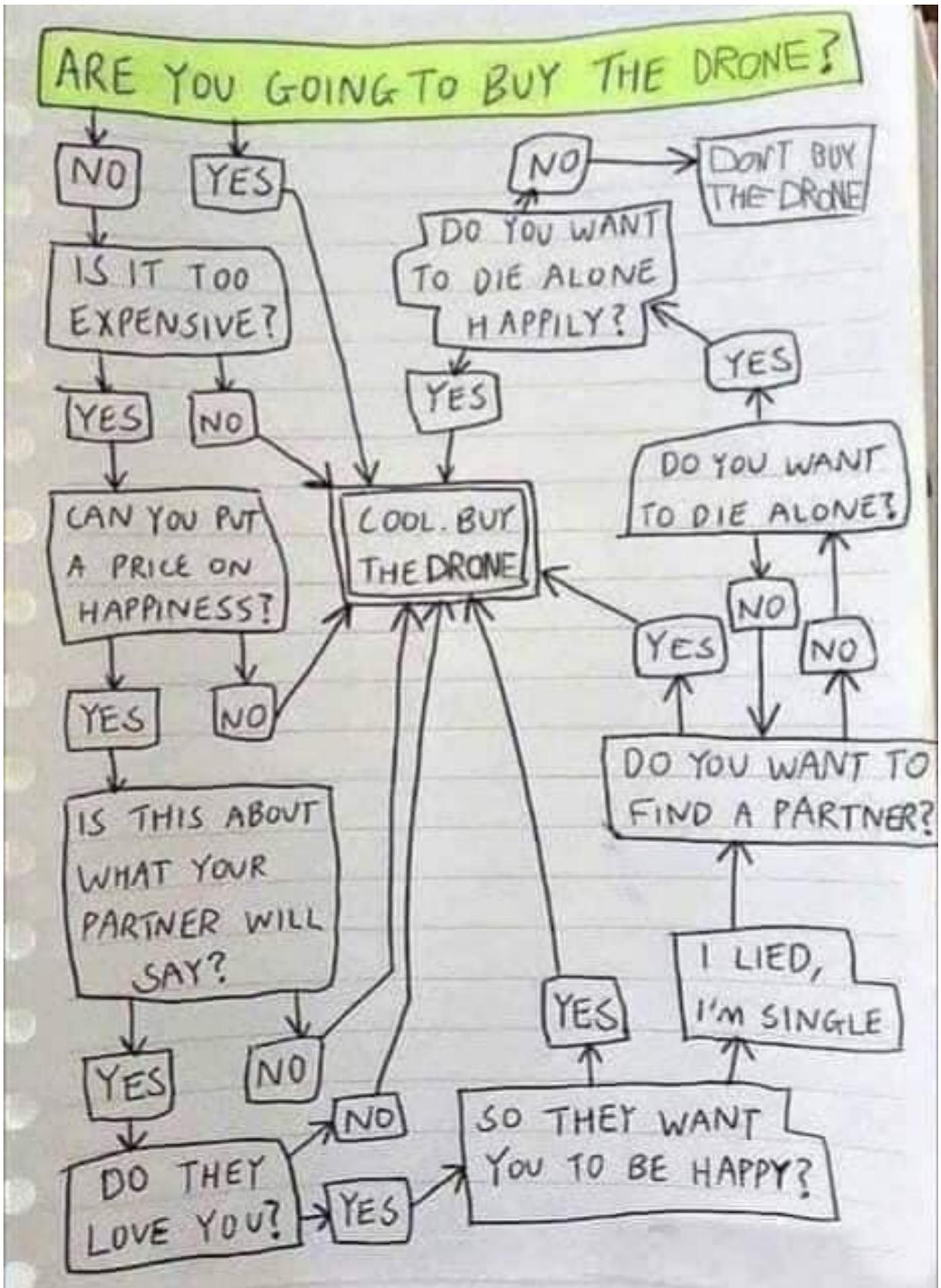
The rudder and Elevator servos are above the bottom wing with the idling arms and adjustment clevises accessed through a nice big hatch just behind the wing. All the control services, (even the left and right Elevators are separate) are closed loop using the Du-Bro Heavy Duty Dual Pull -Pull System. I've fitted all six guide tubes so I just have to slide the wires through after covering etc.

The forward fuselage is covered with 3/32 balsa. Quite a bit of shape in the front so just soaked the panels in water for a while , then clamped, taped ,or pinned, (whichever worked,) in positioning overnight to dry out before gluing with Titebond 11.

Still have quite a lot to work fitting and shaping solid balsa in the nose section and around the undercarriage area, and I'm trying to find out how the rear cockpit Lewis gun area works. I've looked at lots of photos but not seen one yet that covers this area.

But it's all good fun isn't it? Peter Denison.

***When one engine fails on a twin-engine airplane,
you always have enough power left to get you to the scene of the crash.'***



I didn't fight my way to the top of the food chain to be a vegetarian.

AROUYND THE CLUB Photos Henny Remkes



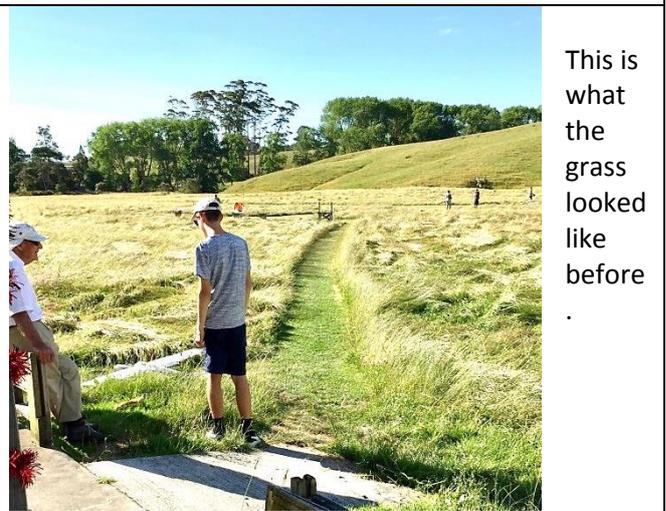
Peter D using the auto launcher with his gremlin.



Always time for a cuppa



Yahhhh The hay has been cut.



This is what the grass looked like before .

An alcoholic is someone you don't like who drinks as much as you do.