

The newsletter of the Sport Aircraft Association (Auckland Chapter) Inc

# Sport Aviator

April 2021



# Committee 2020/21

## EXECUTIVE COMMITTEE

**President:** Peter Armstrong

**Vice President:** Gary Briggs

**Secretary:** Keith Weale

## COMMITTEE MEMBERS

**Bill Luther** David Wilkinson

**Gavin Magill** David Campbell-  
**Treasurer** Morrison

## OPERATIONAL POSITIONS

**Newsletter Editor** Technical Library  
Gavin Magill David Wilkinson

**Safety Officer** Airspace Users Group  
Norm Bartlett Norm Bartlett

**Tool Library** Webmaster  
Manfred Scherbius Warren Sly

**Catering**  
Chris Wade

## TECHNICAL MENTORS

Wood & Fabric - Mike Tunnicliffe  
Composites - Alistair McLachlan  
Metal Skin - Kevin Paulsen  
Avionics - Liviu Filimon

### **FRONT PAGE**

Pete Walton's RV-14 is rapidly coming together after being transported to Whitianga. Both Pete and Chris Wade have been working on it this past couple of weeks. Photo courtesy of Pete McVinnie.

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## Next Meeting

**WHEN:** Thursday 29<sup>th</sup> April 2021

**WHERE:** Auckland Society of Model  
Engineers Club Rooms  
Peterson Road, Panmure Basin  
Mt Wellington

**WHO:** Keith Weale

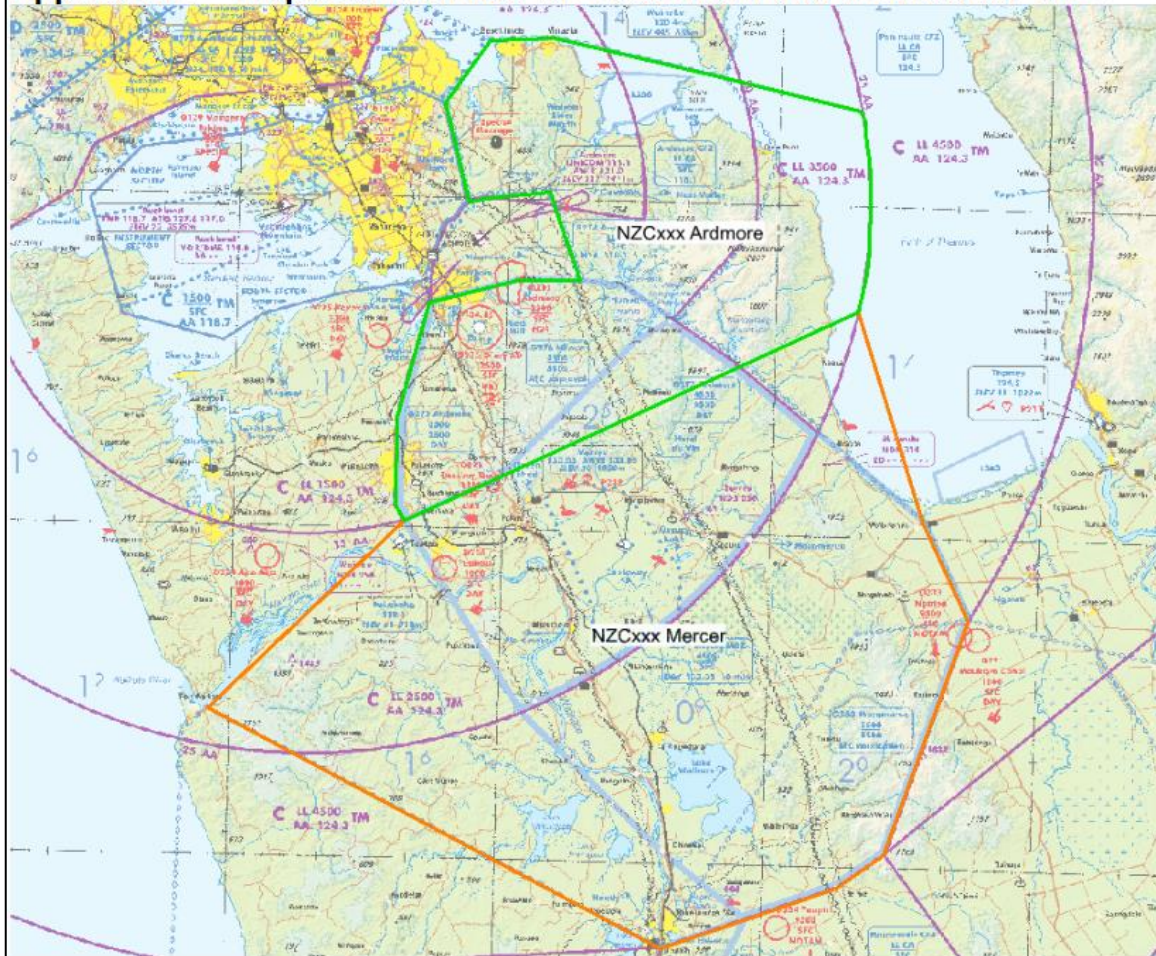
**WHAT:** Many of our members have a professional background in some aspect of aviation, as commercial pilots, aircraft maintenance engineers, or have built a number of aircraft, or are just have a lot of flying experience as private pilots. Keith Weale has been asked to relate his experiences as a novice aircraft builder and very low-time non-current private pilot to give those who are just entering the homebuilding field encouragement and an idea of what joys and challenges lie ahead that may seem old hat to some. He is in the final stages of completing a Van's Aircraft RV-12 and will tell us why he chose that aircraft and describe some of the rather unique features of it when compared with other bolted-on wing aircraft powered by Lycomings and Continentals.





# 3 President's Corner

## Appendix A – Proposed Ardmore CFZ extension and new Mercer CFZ.



Hi Everyone

Over the last days CAA has published a proposed Ardmore CFZ extension and new Ardmore CFZ, (screen shot shown) at <https://www.aviation.govt.nz/airspace-and-aerodromes/airspace/airspace-review/2021-airspace-reviews> . Given that most of our flying members frequently use this airspace I recommend perusal of this document, and if you have any thoughts, please provide a submission which closes on May 2021.

At a personal level I welcome the clarity that these new CFZ's will provide as at present it is a bit of a dog's breakfast as to which should be your prime listening frequency when flying around or near the Ardmore GAA training area.

With the implementation of the DL9 PPL and the end of daylight saving, and given that we are permitted night flying within 25Nm of a lit aerodrome, I will be giving consideration to obtaining my night rating. Acknowledgement of this new DL9 PPL must be given to the Aviation Federation through our representative Evan Wheeler SAANZ National President of his/their efforts in getting the excellent result that we are now able to use today. I am sure there will be tweaks along the way however as a start it is a good base document.

This month's guest speaker is our very own Keith Weale, we can look forward to an entertaining evening with him.

As always safe flying.

Peter



Hi everyone.

Another month has flown by and we are now definitely into the Autumnal weather and the end of Daylight

Saving.

The first thing I wanted to cover in my column is the Chapter AGM in May. Keith Weale, our Chapter Secretary, has sent out the notice of AGM via the Chapter mail list and I have included the same notice in the newsletter. Please do make the effort to attend the AGM as we need to ensure we have a quorum to make things legal. I will be sending out the Chapter Accounts once the committee have had a chance to review them as these need to also be approved at the AGM. Keep an eye out for this email shortly.

I also wanted to remind everyone of the final couple of fly-ins of the flying season that are coming up. Matamata Aeroclub have a fly-in this coming weekend (May 1<sup>st</sup>) and there is also a Wings & Wheels day at Kaipara Flats on May 15<sup>th</sup>. If the weather holds it would be great to see a good turnout from the Chapter.

On a personal front, I have been able to get back to flying after a two month stand down. The first couple of circuits left a lot to be desired but I was able to sort out the rusty technique relatively quickly. Flying skills are definitely a perishable skill and something that requires regular practice.

The pity of it is that the part of the year with some of the most pleasant flying weather has come and gone and we are now rapidly approaching Winter.

My Camel build is also progressing. This past month I have been working on fitting the flying wires although I struck a minor issue with one of the large turnbuckles having an interference fit with a lower wing compression strut. The fix was relatively straight forward but chewed up a day or so of time disassembling the starboard upper and lower wings, making the necessary adjustments to the main wing spars and then reassembling everything. Onwards and upwards however and now I can hopefully finish the rigging and move on with fitting the wing ribs.

I hope you enjoy the newsletter. See you on Thursday.

Cheers

Gavin



## CHAPTER NEWS

## Notice of Chapter AGM

**By Keith Weale**

The Annual General Meeting of the Chapter will be held on Thursday 27 May 2021 in the Auckland Society of Model Engineers clubrooms, Peterson Rd, Panmure Basin, starting at 19:30.

Business includes the receipt of reports, election of officers and committee, and setting subscriptions for the coming year. The annual accounts will be distributed to members by email before the meeting.

If you wish to nominate someone to serve on the Committee, nominations (duly seconded) may be submitted to the Secretary well before the AGM.

The AGM is scheduled to be brief and to be followed by the regular club night. A good attendance is requested to ensure that there is a quorum. All members who were financial at 31 March 2021 are deemed to be financial members until the close of the AGM.

Secretary  
SAANZ Auckland Chapter

## MEMBER NEWS

## Alan Coubray – Stinson ZK-STN

**By Gavin Magill**

Alan Coubray is the proud new owner of Stinson 108/3, ZK-STN. The Stinson came from Bridge Pa, Hastings, is powered by a 165 HP Franklin 6 cylinder engine, has a cruise speed of about 120.mph. It is a 4 seat tail dragger with a bit of character. Basically a 1948 model 108-3 Flying station wagon. Alan says "it is still getting used to my flying inability but I am finding it a fun machine with a bit of an art deco look".



Photo courtesy Nick Furmage and NZ Civair blog.

## MEMBER NEWS

## Arjen Visser – Thorp S18, ZN-MBY

**By Arjen Visser**

Our Thorp S18 (MBY) is now flying again with a new prop and as a taildragger. The new wooden prop has come from Gary Williams (<https://aeropp.co.nz/>). We could not be happier with the advice and service we received from Gary. It is a beautiful prop and well made with care and attention. The spinner came from Van's. Our first test shows us that this prop appears to be giving us about 10 knots faster cruise speed. We are now seeing 160knots TAS at 7,000 feet which is awesome.

We still need to dress it up with fairings and wheel pants. The oil cooler is not working as well as what we hoped and so this will need to be replaced with a bigger one before the hot weather of next summer.

Thanks to Kevin Paulsen for all his assistance and advice. He has been a great help.



I also want to thank the SAA Auckland chapter community. I have reached out a number of times for advice through email. Every time the response has been fantastic and I have found what I was looking for. As a new member, this group has been fantastic.

Thank you all.

My Sling TSI kit should be arriving in the next few weeks and I am looking forward to starting to build that. I will no doubt reach out many times to this community for assistance.

Thanks in advance!



## PROJECT NEWS

## DCM – Van's RV-12

**By David Campbell Morrison**

SCM has had its first taxi followed by a couple of runs down the runway at North shore, plus weight and balance, carb balance and prop balance, many thanks to Phil Southerden for his help and input, appreciated it Phil.



Gary Briggs is coming out to do his bit, then finally CAA.



One of the granddaughters wasn't born when I started but Wags has seen it right through and can't wait to get up in the air chasing birds. Time does fly.



## PROJECT NEWS

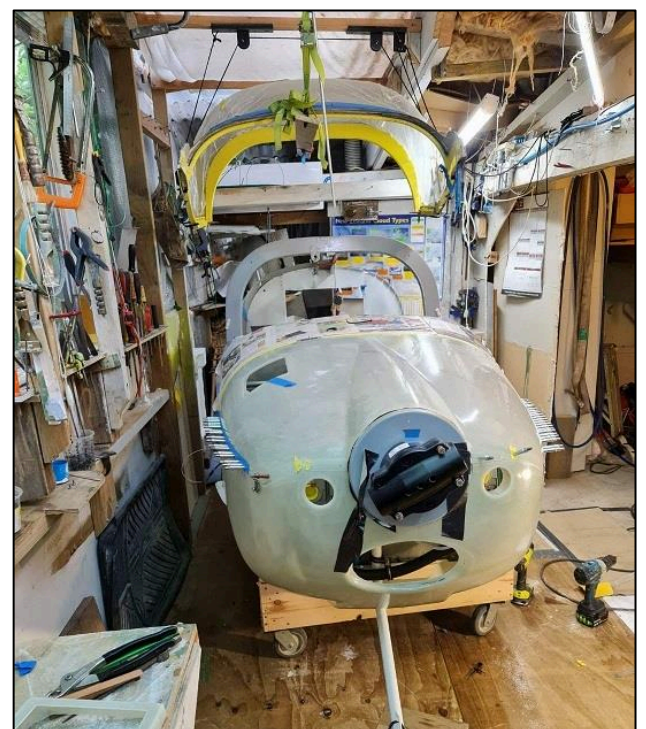
## Gerard Kent – Vans RV-12

**By Gerard Kent**

Oil cooler and radiator plus pipes fitted. Heater door assembly and controls fitted. Mechanical fuel pump and oil tank drains fitted. Next up is fibre glassing the cooling ducts into place.



Engine cowling before final riveting of horizontal piano hinges.





## PROJECT NEWS

## Pete Walton – Vans RV-14

By Peter McVinnie

Peter McVinnie provided these photos of the progress being made on Pete Walton's RV14



To give an idea of the size of the RV-14, this is Chris Wade working in the cockpit.



## MEMBER NEWS

## Guy Clapshaw – Percival Proctor

By Guy Clapshaw

Members might be interested that a formation of three European warbirds flew over the Euro car show in Lloyd Elsmore Park a week ago (Sunday 11th April). Apparently, we made a good impression.



Pictured is my Proctor being led by warbirds president Frank Parker in a Tiger. His wife Liz was also overhead in a Chipmunk. Unfortunately, European light planes are a bit scarce in NZ.

## PROJECT NEWS

## Huib Volker

By Huib Volker via Facebook

The Rocket fuselage off to another workshop. No noteworthy progress in recent months due to a huge push to get the L10 finished + various other commitments.



## PROJECT NEWS

## The Mosquito Pathfinder Trust

By Rob Keith

Glynn Powell's Mosquito has a new home.  
de Havilland Mosquito NZ2308

by The Mosquito Pathfinder Trust  
09 Mar 2021



The De Havilland Mosquito T Mk 43 NZ2308

The chosen aircraft for the Mosquito Pathfinder Trust is an Australian built T Mk 43. This aircraft started life in 1944 at the de Havilland factory at Bankstown, near Sydney. It was originally laid down as an early production Mosquito FB Mk 40 (All Australian Built Mosquitos were given a 40 series number and Canadian Built Mosquitos were given a 20 series number). Hence the Australian version of the FB Mk VI was designated the FB Mk 40. It was initially allocated the Royal Australian Air Force number of A52-20 (All RAAF Mosquitos carried a serial starting with A52)

While on the production line it was decided to convert the aircraft into a trainer, the T Mk 43, equivalent to the UK built T3. It was fitted with two Packard Merlin 33 engines and issued with the new serial number A52-1054. It did not however serve operationally with the RAAF and spent some time in storage.

Mosquito A52 - 1054 was sold to the Royal New Zealand Air Force for £3,000 and delivered to New Zealand on 13th June 1947, being flown from Brisbane to Whenuapai in a record time of four hours. The aircraft was then issued with the RNZAF serial NZ2308 and assigned to 75 Squadron where it was given the Squadron code of YC-Z.

As a trainer Mosquito the aircraft was equipped with a fold-down second seat which allowed the second pilot to sit alongside the first pilot. On an FB Mk VI the second seat was usually occupied by the navigator who sat about 40cm behind the pilot. This seat allowed the second pilot access to the second control column and rudder pedals, he also had access to a second set of engine throttles.

As our aircraft will be configured as a trainer it can be used to cross train other prospective Mosquito pilots or to charge other pilots for training to get a Mosquito rating in their log book - a great revenue earner. We also hope to be able to remove the fold-down seat and allow passengers to take up the classic navigator's seat, just aft of the pilot.

In addition to the second set of controls the T Mk 43 differs from the FB Mk 40 in that there is a second instrument panel in front of the second pilot equipped with a full set of flying instruments.

It was common practice to remove the four 20mm Hispano Suiza cannons from a trainer aircraft, and NZ2308 was no exception, it spent its active service in the RNZAF equipped with the four .030 Browning machine guns and rocket rails capable of carrying eight 60lb rockets. However, we intend to display the aircraft as a FB Mk VI and therefore we intend to install the four 0.303 Brownings and the four 20mm Hispano Suiza cannons.

The Current NZ2308 which was the original flying airframe built by MAR as Glynn Powell's personal Mosquito is now 95% complete in terms of the airframe. It has been built to an exemplary standard and now awaits transfer to Avspecs at the nearby airfield at Ardmore to have all of the control, instrumentation, hydraulic, pneumatic systems and engines installed to get her back into the air where she belongs.



## MEMBER NEWS

## Fun for Louis.

## Round the World in a Cessna 210

By Jon Farmer

If you Google the above heading you will come up with a series of blogs, more or less one for every day of the 81 day trip. The author of these blogs is Louis, a laid back Brit with dreadlocks, more cameras than you can fit in a C210, and no idea about flying. The pilot is a very personable 18 year old young man going by the name of JP whose aim in life had always been to be the youngest person to fly round the World. Although he has missed out on being the youngest, he is one of the more successful due to meticulous planning, great flying skills and mature mental outlook.



JP chose a Cessna 210 for its retractable gear, which would give a better chance of a successful ditching, and he found one in good condition with an almost new motor. His long-time friend, Louis, would be a passenger and make a documentary of the flight. They fitted three Go Pros in the cabin, another on the right wing and a fifth on the fin. In addition, Louis had several cameras with a variety of lenses but also pulled out his phone to take some videos.

The trip started in California and crossed to the East Coast, up through Canada into Alaska, over to Greenland and on to Iceland, Scotland, South England and over to Germany. That is as far as I have got watching the daily blogs up to number 21. I think the trip took place in 2018/2019.

My interest in the blogs was sparked after JP came to an ARMAC meeting to give a talk about his flight round the World. His oratory skills did not match his flying skills as he started his presentation by asking what

we would like him to talk about! Asked what was the scariest time on the trip, JP told of their arrival in Auckland. He had asked Louis to clean up the cabin prior to arrival but Louis was more interested in filming. ATC gave JP "number one but please expedite as two heavies coming in" and so he went into a sideslip to make a short approach. On trying to straighten up for touchdown he found the rudder jammed and had to put on full power for a go around still in sideslip attitude. Once at altitude he checked the rudder pedals and found a drink bottle jammed under Louis's side. Their friendship cooled a little after that.

JP has been living in New Zealand for some time and rented a hanger at Mercer where he was going to build a Sling aircraft with a view to flying round the World in a homebuilt plane. However, a move by his parents has caused a change of plan and, when permitted by Covid rules, he will move to South Africa and build his aircraft in the Sling factory. When asked how long it would take to build a Sling, he rather modestly replied "About five weeks with help from the factory but I have to be careful about the 51% rule"!!!! I wonder if he has built an aircraft before. The Sling model that JP has chosen is a strutless, high wing, four seater with the latest 141hp Rotax 915is turbocharged engine. It is said to cruise at 145kts and I have a feeling JP will be building the first kit.

<https://www.stuff.co.nz/travel/98156820/two-friends-20-countries-and-80-days-in-a-tiny-cessna-plane>



# 10 In the News & On the Web

## ON THE WEB

### Bally B17 Bomber

**Robin Hickman**

No less than three people sent me the link to this video of the Bally B17. Many thanks to Nev Hay and Peter Armstrong as well as Robin Hickman. I was fortunate enough to be at Oshkosh in 2018 when this aircraft was being displayed. An amazing achievement.



[https://www.youtube.com/watch?v=E-1\\_JwIHO-8](https://www.youtube.com/watch?v=E-1_JwIHO-8)

## ON THE WEB

### Grown Ups Toys

**Don Wilkinson**

Some modellers have way too much time on their hands.



[https://www.youtube.com/watch?v=XyGrMNwS\\_qU](https://www.youtube.com/watch?v=XyGrMNwS_qU)

## ON THE WEB

### Ingenuity's Callsign

**Gavin Magill**

Mars helicopter gets a call sign.



<https://newatlas.com/space/ingenuity-mars-helicopter-declared-official-aircraft/>

## ON THE WEB

### Vulcan Cockpit Tour

**Robin Hickman**

Interesting video.



<https://www.key.aero/article/inside-vulcan-cockpit>

## ON THE WEB

### North Shore Aeroclub Open Day.

**Rodger Coleclough**

Thought you might enjoy this.



<https://youtu.be/Z-dNPvWROYc>

## ON THE WEB

### Cost of a B747

**DCM**

Ever wondered how much a B747 costs.



<https://simpleflying.com/boeing-747-cost/>



## Chapter Events

2021

<b>Apr 29</b>	<b>Chapter Monthly Meeting</b> Last Thursday of the month 7.30pm at the Auckland Society of Model Engineers clubrooms, Petersen Dr, Panmure Basin
<b>May 27</b>	<b>Auckland Chapter AGM</b> Auckland Society of Model Engineers clubrooms, Peterson Rd, Panmure Basin, starting at 19:30hrs.

## Aviation Calendar

2021

<b>Every Sat</b>	<b>Dargaville Aero Club</b> The place is buzzing every Sat, wet or fine, windy or calm, and the catered lunch at 12.30 is good value, just don't be late! Club website is <a href="http://dargavilleac.weebly.com/">http://dargavilleac.weebly.com/</a> . If going as a group, please ring in advance so the cook expects you. Ph. Murray 027-478 4308 or club house on 09-439 8024.
<b>Every Sun</b>	<b>Whangarei Flying Club Sunday Lunch</b> Penny burgers every Sunday \$5. Contact Rusty 021 173 8942
<b>May 01</b>	<b>Matamata Aeroclub Fly-In Matamata Airfield (NZMA)</b> Starting 11am. Come in for a sausage sizzle and some banter. Contact Anna Doerr, Email <a href="mailto:info@mac.org.nz">info@mac.org.nz</a> Ph 027 702 5924
<b>May 15</b>	<b>Kaipara Flats Wings &amp; Wheels Day Kaipara Flats Airfield</b> Any chance that a few homebuilts could come up to Kaipara Flats on the 15 <sup>th</sup> of May for the Wings & Wheels Day of the Vintage Car Club. Lunch is provided by the local Northern Aviators Club. Demos and joyrides welcome. Stan
<b>Jul 26 Aug 01</b>	<b>EAA Airventure 2021 Wittman Field Oshkosh Wisconsin</b> Billed as the worlds greatest aviation event. <a href="http://www.eaa.org/en/airventure">www.eaa.org/en/airventure</a>
<b>Sep 03-05</b>	<b>Classic Fighter Airshow Omaka Aerodrome, Blenheim</b> Airshow rescheduled to September following postponement of April show. <a href="http://www.classicfighters.co.nz">www.classicfighters.co.nz</a>

## Aviation Calendar

2021
