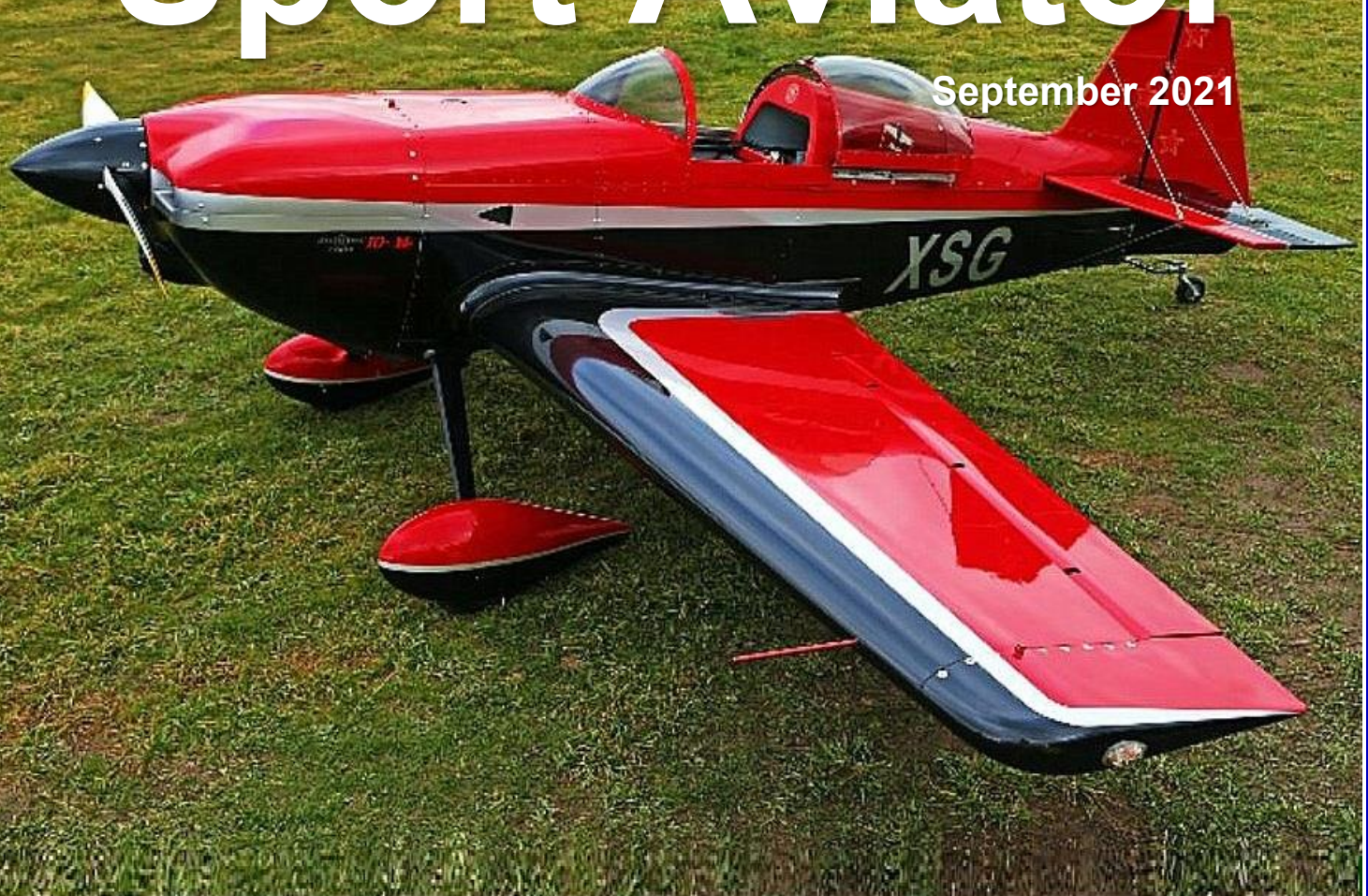


The newsletter of the Sport Aircraft Association (Auckland Chapter) Inc

Sport Aviator

September 2021



Committee 2021/22

EXECUTIVE COMMITTEE

President: Peter Armstrong

Vice President: Gary Briggs

Secretary: Keith Weale

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Gavin Magill David Campbell-
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Gavin Magill TBA

Safety Officer Airspace Users Group
TBA TBA

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

New Chapter member John Ashman has recently purchased Rihn DR107 One Design ZK-XSG. Along with David Wilkinson's DR107 ZK-EZG, Auckland Chapter members now own the two flying examples of this type in NZ. As they say, "we live in interesting times".

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Next Meeting

WHEN: October 28th (Covid Dependent)

WHERE: Auckland Society of Model

Engineers Club Rooms
Peterson Road, Panmure Basin
Mt Wellington

WHAT: TBA

WHO: TBA



Hi everyone.

Unfortunately, the newsletter is a bit late for September and you will likely be receiving and reading this on or

after the 2nd of October. Delys and I had one of those life gets in the way weeks this past week which meant I could not devote the time needed to get the newsletter out the door. As the saying goes "C'est la vie".

Sadly, with the Covid-19 Delta variant not giving up its grip on the city, the Chapter meeting for September had to be cancelled. Fingers crossed we will see a reduction in the Covid Alert level during October so we can resume our monthly meetings.

We have had two new members join the Auckland Chapter this past month with John Ashman and Grant Benn's joining. Both these gentlemen bring a huge level of flying experience to the Chapter and are both well known in the Auckland and NZ aviation scene. John, as noted in the cover photo comment, has recently purchased Rihn DR-107 One Design ZK-XSG and is no doubt looking forward to competing alongside David Wilkinson's DR-107 in the upcoming season. Grant also tells me he is planning on buying an RV kit in soon but needs to complete the build of his new home first. I have included short introductions for each of these gents in the newsletter. Please join me in welcoming them to the Chapter.

On the projects front, I received an update from Arjen Visser on the build of his Sling TSI. Arjen is making great progress on the build with the tail feathers of the Sling coming together quickly. Many thanks Arjen for making the time to keep us up to date.

Of the aircraft I have an interest in, Sonex ZK-ZXZ is currently out of the air with the Aerovee engine having been pulled for overhaul. Mike Penny, one of the syndicate members and Air NZ LAME, is leading the charge on the overhaul but hit a snag in that he found a crack and a hole in one of the heads, so we have had to order replacement heads from Sonex in the US. These are on back order and will hopefully be on the way to NZ by the end of October.

I also helped Bruce Turner during the month with an issue he was having with a significant mag drop he was getting on the electronic mag on the Aerovee engine in his Sonex Waix ZK-WYX. Initial checking of the plugs identified one fouled plug but replacing it made no difference. We then replaced the coil and lead attached to that plug with a new one ordered in from the US and found the source of the problem being a faulty coil. With that issue resolved, Bruce is back in the air and making up for lost flying time over winter.

My own Airdrome Aeroplanes Sopwith Camel replica build has been slowly progressing with the wing tip bows now installed and the fitting of aileron spars on the cards for the coming month. With the summer flying season upon us however, I can see that I may have other distractions in my weekends to attend to.

Speaking of the summer flying season, those of you who are members of SAANZ will likely have received an email from the SAANZ Administrator regarding the Manapouri Air Pageant that Ivan Krippner is looking to organise for March next year. Glyn Saunders is helping Ivan and has asked for expressions of interest for the event so they can start planning. It is a bit of a haul for Auckland Chapter members to get down to Te Anau however it is a beautiful part of the country and might just be worth putting together an expedition to attend. Have a think about it and we can perhaps look at organising something as a Chapter.

Anyway, enough ramblings from me. Enjoy the newsletter.

Cheers

Gavin

MEMBER NEWS

New Member – John Ashman

By Gavin Magill / David Wilkinson

John Ashman join the Chapter in September and kindly provided the following details.



I have always been passionate about flying. I gained my PPL in the UK in 1979 and after emigrating to NZ in 1981, joined Waitemata Aeroclub at Ardmore where I earned my CPL, Instructor and instrument ratings, part-time.

After retiring from my "day job", 8 years ago I devoted my time to flight training completing my Diploma in Aviation Flight Training, an Aerobatic rating and my "A" Cat instructor and GA Examiner ratings.

Over the past 5 years I have immersed myself in aerobatics at competition level, and recently was fortunate enough to buy Rihn One design DR107, ZK-XSG, built by Roger Harris, an aircraft engineer in Omaka. This would never have happened without the immense enthusiasm, encouragement and help of David Wilkinson, who built a fabulous One design, ZK-EZG.

I would like to acknowledge the huge help, guidance and mentoring I have received from many passionate individuals in the Aeroclubs, NZ Aerobatic Club, and other aviation organisations such as AOPA and SAA.



John in a Jodel D9 in the UK in the 1970's.

MEMBER NEWS

New Member – Grant Benns

By Grant Benns

Grant Benn's also joined the Chapter this past month and kindly provided these details of his background and experience.



Started flying in 1986 at Waitemata Aero Club (aged 15) while working at Airwork as the hangar gofer in the school holidays.

Completed an aircraft engineering apprenticeship at Air NZ, whilst also continuing flying training – earned my PPL at 17, CPL/C-Cat instructor rating at 19 and ATPL (in Fokker Friendship) at 23.

Have been a member of Ardmore Taildraggers Syndicate (150hp and 100hp Super Cubs), Great Stunt Company (Pitts S2B ZK-MAD and G202 ZK-NUT) then owned Corby Starlet ZK-JAM for a while. Have done glider towing (Pawnee), air-ambulance (Chieftain), charter (Nomad) and AirPost (F27).

Now an Airbus A320/321 Check Captain for Air NZ (just clicked over 25 years - 737/767/777/A320)

Still active in GA - instructing, aerobatics and test-flying amateur-built aircraft, and organising and judging at NZ Aerobatic Club events. I also write flight reviews and aerobatic articles for KiwiFlyer magazine.

I race a Mazda MX5 in All Classic Japanese Series of Auckland Car Club (won category in rookie season last year!). Also compete in Motokhana events (hand-brake skids around cones - epic fun!).

Keen to build something, probably an RV, one day.

Also happy to help members with flight training, advanced/emergency handling, aerobatics, test flying etc.

MEMBER NEWS

Arjen Visser – Sling TSI

By Arjen Visser

Sling TSI update September 2021. Thanks to lockdown I have been able to make steady progress.

The empennage has been completed. This includes the fin, rudder, horizontal stabiliser and elevator.



The self-levelling laser has been instrumental in helping me build everything straight. I could not do without it.



The VOR antenna has also been installed in the fin and Steve Williams helped me to test the antenna is all working. Thanks Steve!



I have also installed an anti-static wick on the rudder to be able to fly through participation in IFR conditions. Not sure if it is really needed and it took a while to figure out how to install but thanks to assistance from Kevin Paulsen it has been completed. I will also install a wick each on the ailerons.

I really like the ProSet XT2 rivet airgun. It has suction on the tip so it holds the rivet in its jaws and also spits out the mandrel into the collection cup at the back. The nose is quite thin so it can get in tight spaces. Unfortunately, I have not found a supplier in NZ, so this was sourced from the US.



I have started on the wings. All the ribs have been prepared, built and primed. I am building the flaps first because the wings will take up a lot of space and I will not have enough space to build the flaps.

So far, the process has gone well and am enjoying it. There have been a few minor issues but nothing major. The response and turnaround time from the Sling Aircraft technical support team has been very good. They will usually respond by the next day. There is a very active FB group and forums that are all very kind to help and assist. Sling Aircraft have also released Sling TSI Youtube build videos, these were done by one of the early builders in the US and they are a big help.

Sling Aircraft are doing well. They have just released a high wing version of the Sling TSI. Both as a taildragger and tricycle versions. The number of orders is already more than 50 so this is going to be a popular model. Even Vans are talking about releasing a high wing version. It seems high wing kit-built aircraft have found a market.

I am looking forward to building and completing the wings, although not looking forward to the fuel tanks. They can be quite messy and tricky to get fuel proof.

PROJECT NEWS

Gavin Magill - Sonex ZK-JQP

By Gavin Magill

As mentioned in my editors blurb, Sonex ZK-JQP is currently out of the air having her Aerovee engine overhauled.

Mike Penny who is a syndicate member and Air NZ LAME, is taking the lead on the rebuild and stripped the engine in preparation for sending the heads to a local VW specialist workshop when he spotted a hole in one of the exhaust manifolds. In his typical understated way Mike commented "Just cleaning carbon from the exhaust ports and noticed this hole. I don't think that is good."



Mike also spotted a crack between the manifolds on the same head.



A quick call to the VW specialist confirmed the head is not repairable so we are now awaiting replacement heads from the US.

SAANZ NEWS

Vector Magazine – ADS-B Article

By DCM & Keith Weale

DCM noted an article in the latest Vector magazine stating indicated altitude readings displayed in EFB's that use ADS-B In data could be out by several hundred feet. Keith Weale contacted Tom Gormley at CAA who wrote the article for clarification:



After reading my Dynon User Guide, as Vector correctly states, our SkyView HDX sends 1013.25 hPa pressure altitude (effectively FL) to the transponder, which the transponder transmits directly to the radar station and also transmits via extended squitter ADS-B OUT to anything else receiving that information e.g. other aircraft, Avplan, FlightRadar 24, and/or SkyView SV-ADSB-472 receivers.

Vector notes that the device/system receiving the ADS-B FL IN data may or may not try to convert that pressure altitude to a QNH altitude for display on an iPad etc. This is where the danger lies, not knowing for sure what is being displayed ie. FL or QNH altitude.

I have the SkyView SV-ADSB-472 ADS-B IN receiver, which displays the relative height of the other aircraft above or below me in hundreds of pressure altitude feet on the SkyView HDX display. I may see +14 and a downward arrow next to the aircraft and I know it is 1400 feet above me, regardless of its actual altitude, and that it is descending. Alternatively, I may see -05 with a downward arrow and know the aircraft is 500 feet below me and descending.

To sum up it seems Vector is cautioning pilots using auxiliary EFB devices such as AvPlan on an iPad to not rely on the altitude and to physically observe other aircraft altitudes. Panel mounted systems integrated into aircraft can be relied upon however.

8 In the News & On the Web

ON THE WEB

When Aviation Comes To Your Front Yard

Gavin Magill

Nice article from AirFacts Journal.



<https://airfactsjournal.com/2021/09/when-aviation-comes-to-your-front-yard>

ON THE WEB

Montana Splash

John King

Great aviation story.



<https://youtu.be/CHvrdaELev8>

ON THE WEB

Very near miss

Peter McVinnie

Be careful out there.



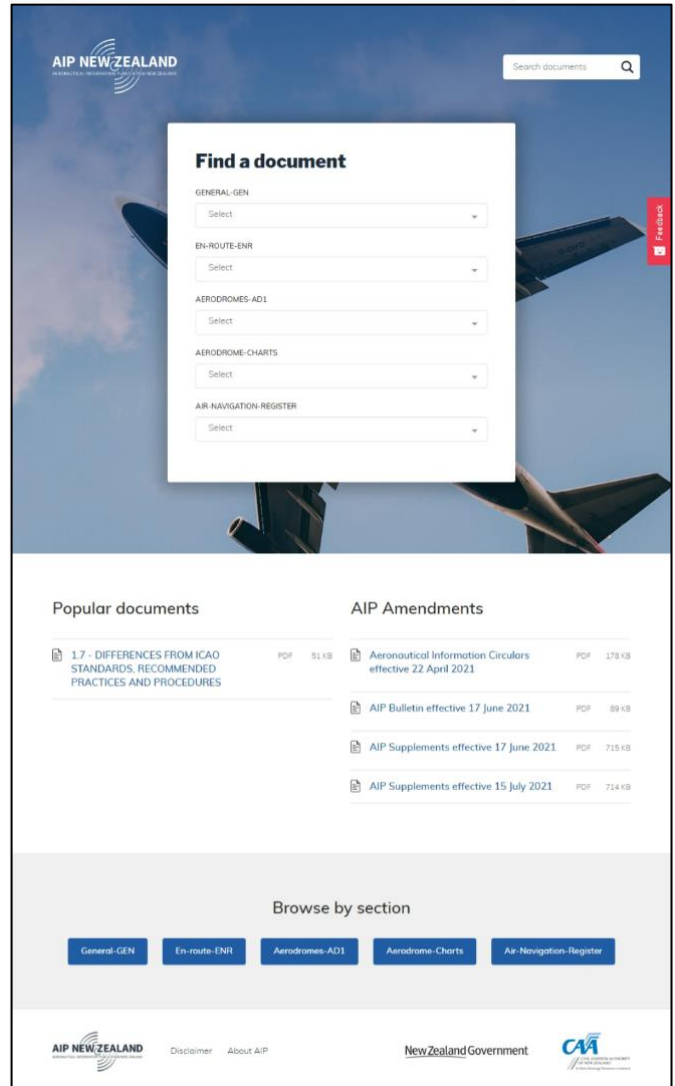
<https://www.youtube.com/watch?v=7tIbdJP-3GM>

ON THE WEB

New AIP Website now live

Gavin Magill

Noted in latest CAA Directors email.

A screenshot of the AIP New Zealand website. The page features a search bar at the top right with the text "Search documents" and a magnifying glass icon. Below the search bar is a "Find a document" section with several dropdown menus for filtering documents by category: GENERAL-GEN, EN-ROUTE-ENR, AERODROMES-AD1, AERODROME-CHARTS, and AIR-NAVIGATION-REGISTER. Below this section are two columns of "Popular documents" and "AIP Amendments" with links to various documents and their file sizes. At the bottom, there is a "Browse by section" section with buttons for General-GEN, En-route-ENR, Aerodromes-AD1, Aerodrome-Charts, and Air-Navigation-Register. The footer includes the AIP New Zealand logo, a disclaimer, and the New Zealand Government logo.

<https://www.aip.net.nz/>

ON THE WEB

New Rolls Royce Electric Aircraft

Rob Keith

Rolls-Royce's Spirit of Innovation aircraft took its first flight on 15th Sept.



<https://www.youtube.com/watch?v=o-rfAifj6cc>

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ON THE WEB

Red Bull Tunnel Flight

Keith Weale

A steady hand required here.



<https://www.instagram.com/p/CTZm9-2icXJ/>

ON THE WEB

Typhoon flight through Mach Loop

Robin Hickman

Flying the Typhoon Through the Mach Loop at Low Level



https://www.youtube.com/watch?v=kT7qrYi8R_M

ON THE WEB

Wingless Flight

Jon Farmer

Compilation of latest wingless flight vehicles and appendages I guess you would call them.



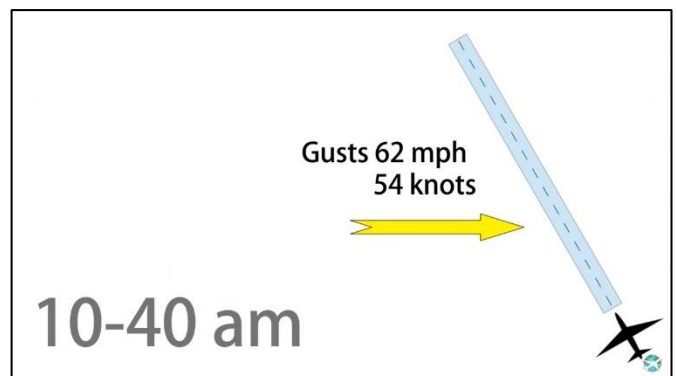
<https://www.youtube.com/watch?v=rGdh1IzwykE>

ON THE WEB

Cross Wind Landings Birmingham

Robin Hickman

Some interesting approaches, landings and takeoff shown here.



<https://www.youtube.com/watch?v=vJzDRsEKDa0>

Chapter Events

2021

TBA	Chapter Monthly Meeting Last Thursday of the month 7.30pm at the Auckland Society of Model Engineers clubrooms, Petersen Dr, Panmure Basin
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Aviation Calendar

2021

Every Sat	Dargaville Aero Club 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 http://dargavilleac.weebly.com/ . 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.
Every Sun	Whangarei Flying Club Sunday Lunch Penny burgers every Sunday \$5. Contact Rusty 021 173 8942
Oct 15-17	Tiger Moth Club Spring Fly-In Taumarunui Airfield Annual start to the flying season. Contact Graeme Wood Ph. 027 293 2318 Email: ruffchops@gmail.com
Oct 23-25	Tiger Moth 90th Anniversary Rangitata Island Celebrating 90 years since the first flight of NZ's favourite vintage aeroplane. Contact Russell Brodie Ph: 027 276 0914 Email: eca.fly@xtra.co.nz
Nov 12-14	Black Sands Recreational Aircraft Fly-In Te Kowhai Airfield Full weekend event, Raglan Beach Landing, On-Site Camping, Meals available. Contact: Bruce Cooke Phone: 021 112 2364 Email: bmcooke@waikato.ac.nz
Nov 19-21	Have a Go at Aero's Mercer Airfield Get a taste, extend your skills or have a go at competition-style aerobatics. BYO aeroplane or register at http://aerobatics.nz
Nov 27-28	Bölkow Fly-In Hawera All current or past Bölkow owners, their partners or Bölkowphiles are cordially invited to Hawera aerodrome for the weekend. RSVP Belinda Hintz Ph: 021 144 5208 E: bhintz@scorch.co.nz
Dec 02-04	South Island Akro Fest Ashburton Aerodrome Aerobatic competition and fly-in. Contac: Andrew Love Ph: 021 818 816 E: torque_roll@hotmail.com

Aviation Calendar

2022

Jan 06-20	56th Walsh Memorial Scout Flying School Matamata Aerodrome Annual two-week flying school for Scouts, Guides and other young people. Conditional on Covid-19 alert levels. Contact: David Jupp Ph: 021 476 676 E: walsh@scouts.nz W: www.scouts.org.nz
Jan 22	Stratford Aviation Event Stratford Aerodrome Contact Luke Venables Ph: 029 772 0153 E: luke.venables@live.com.au
Mar 11-13	Manapouri Air Pageant Fiordland Aeroclub, Te Anau Manapouri Airport Contact Glyn Saunders E: glynsaunders@gmail.com

Hi there,

I am helping Ivan Krippner with the planning for the fly-in in March next year. I have attached a flyer that outlines the weekend as it stands. Of course, to nail down some of the planning it would be great to get a feel for interest and numbers.

If you could get back to me on glynsaunders@gmail.com letting me know your level of interest (anything from 'definitely going' through 'probable', 'possible', 'maybe' or 'nah' is fine). It would also be great to get a better understanding of how many aircraft and people you think might make it. It's early days I know and we appreciate that this number may change, especially in these uncertain times, but it gives us an estimate for more detailed planning around apron usage, catering, etc.

Our bottom line for this event is that pilots can come and have some fun together in a really beautiful part of the world. This is a fly-in for pilots run by the local Aeroclub, so be it two planes or two hundred, we will have a good time.

Cheers

Glyn

Manapouri Air Pageant



Fiordland Aeroclub, Te Anau Manapouri Airport

11-13 March, 2022

The aim of this fly-in is to give pilots, aero clubs, flying schools and other aviation organisations the opportunity to spend the weekend in the company of other pilots, to compare aircraft, and enjoy impromptu activities such as aerobatics, formation flights, and scenic flights. All against the backdrop of beautiful Fiordland with all its excellent facilities and attractions.

In recognition of a similar event in the late 80s we are calling this the *Manapouri Air Pageant!* Starting with arrivals on Friday evening join us in the aeroclub hangar for a session of the original Top Gun and some pizza and drinks (Raybans optional). Saturday will see more arrivals and the chance to explore our beautiful area and maybe fly up to Milford Sound? Round the day off with some aerobatics displays and other demonstrations before dinner at the terminal with some of Southland's renowned pilots regaling you with tales of daring do!

Schedule of Events TBC

Friday afternoon

- Arrivals followed by welcome drinks and a movie night in the hangar

Saturday

- Early morning scenic flights

- Fly-ins & local flights
- Car and machinery displays
- Aviation maintenance displays and demonstrations
- Flying demonstrations
- Aerobatics displays
- *Saturday Night*
- Dine-in and hear from some of the south's most accomplished, notorious and amusing aviation legends

Sunday

- Early morning scenic flights

Departures



Accommodation options from camping under the wing to local Hotel/motels

To make this happen, we are after indications of interest so we can better understand numbers of aircraft and people, if you could speak to your members and let me know what the interest is and possible numbers? I would be really grateful and hope to see you there!

Contact Glyn Saunders @ glyn Saunders@gmail.com for more info
