



TORQUE BACK

Hobart Model Aero Club Inc. (00549C)

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Editor – Sue Venn

President's Corner

Well a good lot of weather has been upon us for a change making for some excellent flying days. Yesterday, 29th saw 17 cars in the carpark. A great rollup and only bettered a couple of months ago by 19.

A number of new models have taken to the skies recently, those being a Phoenix Me109 and Mustang P51 from Sebastian, a Duraflly Spifire from Glenn Pearce, a P51 from Bob Millar, a scratch built large powered glider from Ken Ward successfully maiden by 'JJ' and Damian has tossed in another couple of new models also of which I do not have the details. There may be others I have not seen.

The Automatic Hand Sanitiser units have been installed at the shelter and club house. Please use for everyone's safety.

The solar trickle chargers have been fitted to the mowers by Phil Hubbard and are working well.

The flight simulator has been sorted out and is usable with the small generator. Mode 1 at the moment. Mode 2 may be available at a later date as new/second hand equipment will have to be sought.

An invitation was sent to all regarding the presentation to Tony Shepard on 18th July at 12pm. All are welcome.

As of today, 30th there are a significant number of members yet to renew. I would appreciate your renewals in the near future as we need your financial support.

As we enter into a new flying year, we have at present a number of new trainees occupying the time of our instructors. I just wish to thank them for their efforts as I know it diminishes their own flying time on the day.

Happy and safe Covid free flying,

Barry Gerrard



Editor's Notes



This month we have a bumper pictorial issue thanks to many keen photographers. Thank you to all. You've given us a feast this month.

The Annual Meeting was again a testament to the great club we enjoy - in no small part due to the skills of so many who give of their time so generously.

We can all look forward to another great year ahead I am sure, hopefully without any lockdowns!

Sue



After taking about nine months to make my Waco 9 I was in no hurry to fly it. Finally I did this month and have the (very distant) picture to prove it!

Chris Venn



Couple of photos of a nearly finished 72 inch wing span Barnstormer.

Bob McAllister





Another happy meeting with great thanks to our committee members Glenn Pearce, Barry Gerrard and Ken Ward for all the work they do. We deeply appreciate the way they carry out their various roles.



New members Jon and Kathryn Hall



Stuart Smith and Chris Venn



Peter Lambert and Ken Ward



Bob Miller and Sue Venn.



Jim England and Bob McAllister



John Hodgson and Keith Drew



L-R front: Johannes Jongbloed, Glenn Pearce, Nils Powell, Bob Miller, Damian Blackwell, & Ian Gannon



Phil Hubbard and Peter Ralph



Jim took the opportunity to fly his Multiplex Twin



Our family recently returned from a motorhome trip between Darwin and Brisbane. On the morning of my 3 year-old's birthday party, I managed to convince my wife Karen that "I needed to pop out for a short while" and visited the Tingalpa Model Aero Club, at Porter Field

in Queensland. Fortunately for me, the particular day I visited happened to be their Scale Day. It was a great event with perfect flying conditions and an estimated 30-40 scale models coming and going throughout the morning. The club members were very welcoming and I would strongly encourage any HMAA members to pay them a visit the next time your are in the area.







*Looks like a club
with a great set
up. Ed.*



Photos taken last month at Kelly Field

Thanks to Peter Ralph



During the last month we have had several visits from people having a day trip just to view our activities. **Possability** is the name of their organization. Link for information:

https://www.health.tas.gov.au/service_information/service_delivery_points/possability_hobart

The group were very impressed with what they saw and applauded after every flight by Glenn Pearce, Damian Blackwell and myself.



Models involved in **Possability**'s latest visit were Glenn's very large Tundra (see page 11), Damian's Shooting Star jet and my Skybolt biplane.

An interesting cross section of three model types with their different looks and flight characteristics really impressed our visitors.



I believe this was a special planned visit as Damian had told them the day when he was taking a jet. The Shooting Star was definitely the crowd favourite!







Damian's green machine is an Extreme Flight GB1 Game bird, 1450mm wingspan, 6S lipo, full 3D flight envelope.



Red machine is Charlie Conner's eclipse Model C, 3D printed with 1000mm wingspan, 3S lipo.



The model is a Duraflly Mk 24 Supermarine Spitfire, 1100mm wingspan with flaps, lights and retracts.

Glenn

My 1/3 scale Piper Cub first flew around 2005 after a long time in the build phase. It has flown many hours since, on the mainland and in Tasmania. Two years ago I undertook an overhaul of all the major bits including replacing the 3 onboard batteries, the 2 receiver systems and some of the wiring, the undercarriage springs and even the pilot (the sun attacked the rubber but the clothes were OK).

The engine is a 4 cylinder 4 stroke made by OS and is the OS pegasus 320. It looks similar to the the full size engine. It is very smooth and after many hours of use it still provides ample power for the 17 KG plane.

Keith Drew



Glenn Pearce's very large Tundra





Model in WW2 colours is Phil Murrell's Westland Lysander.



Bob Miller's P51 Mustang..... a new model which flew successfully.



More Water planes

from Peter Ralph's collection



Peter sent us some more great shots from his photo archive compiled over the last 23 years.

Correction from June Torque Back - Below x 2: Stinger taxiing on the water & taking off belongs to Peter, powered by a 46 Enya four stroke. Today it is powered by a 3 cylinder Saito 90 radial. Has flown off wet grass at Kelly Field.

Above: unknown owner & model



Left x 2: A couple more action shots of the de havilland Beaver owned by Andrew Hutchinson.



Some more photos



Sebastian Serfontein's new models that he has been flying at KF in the afternoons.

He has decided to give away 'Foamies' as balsa is of so much better quality these days and flies so much better.

**L: A Blackhorse Model Me109e
Below: Hanger Nine P51D**



A couple of photos from Peter Gard.

Nice spot to fly. About 1km from new home in Queensland.



Kallisto 21 Ken Ward

The Kallisto 21 is based on the "Callisto 82" F3B Glider designed by Terry D. Edmunds. The plans and associated article were downloaded from Outerzone.co.uk. I modified the sailplane design with help from club members, especially J Jongbloed, Nils Powell and others.

The main plan modifications were:

Conversion to a sailplane which entailed adding 1cm to the width and 1cm to the depth of the fuze to accommodate batteries etc.

Add winglets to improve stability.

Use .6mm ply on rear of fuze to improve strength.

Use of carbon fibre tube in place of dowelling for the wing mounts and to replace the brass tubing as I saw no use in adding any ballast lead (up to 78ozs in two tubes per wing).

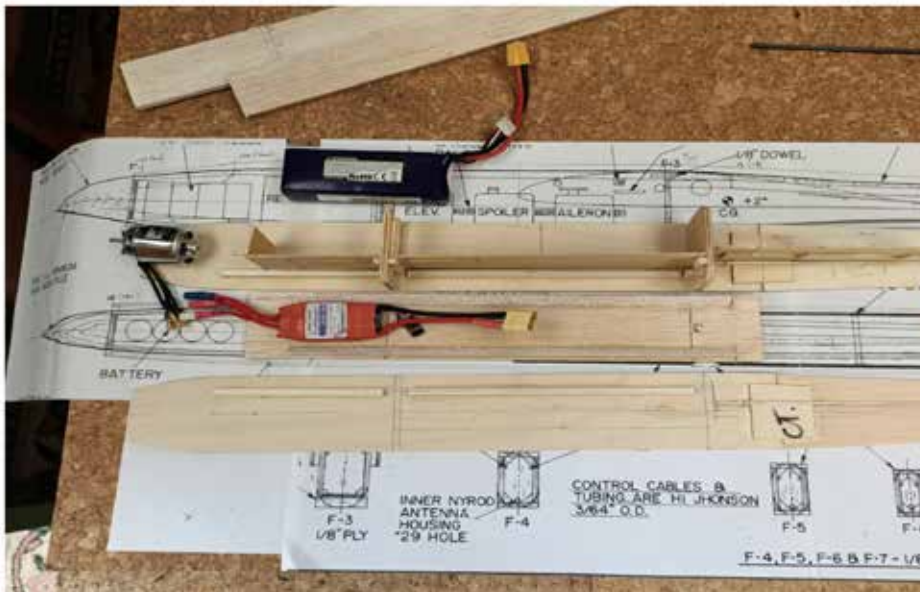
Use of servos in the wings for both the ailerons and the spoilers

The plan had a wing loading of 7.26 oz/sq. ft.(up to about 25oz/sq.ft with added ballast)

The final build with motor, batteries etc is 11.6oz/sq.ft.

Build Illustrations

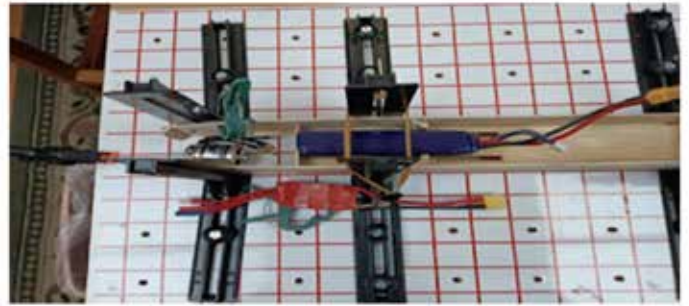
1. Sizing the fuze for electrics.



2. Sizing the Tail



3. Putting the fuze together. (board plan and clamps from SLEC)



4. Completed Fuze. Long rods to ensure accurate alignment.



5. Wing Construction



With Winglets



6. Assembled. Just fits in the shed



6.Covered



Kallisto 21

7. Internals



The Build was started in March 2020 and took about 11 months.

The first version failed for a number of reasons and I then increased the fuze to place the battery as far forward as possible and remove a lot of lead from the nose.



June 29th 2021. Launch day at Kelly Field. A perfect Winter's day for proud owner Ken. Special thanks to JJ for taking the plane's maiden flight, and Peter for his photos also.

Kallisto 21



with spoilers deployed

