



# "THE FLYER"

YARRA VALLEY AEROMODELLERS NEWSLETTER  
December 2019

**The Committee:**

**President –**

Tony Martinico

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**Vice President –**

Daniel Wheeler

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**Secretary –**

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**Editor/Webmaster –**

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*Christmas party and  
fun fly 15<sup>th</sup> December*

*3:30pm – 10pm*



*No flying the last Sunday of the month – Sunday 29<sup>th</sup> December and also  
Christmas day, Boxing Day and January 26<sup>th</sup>*

The next general meeting is Monday 24<sup>th</sup> February 2020  
8:00pm – Red Earth Centre Mooroolbark  
Newsletter will be online at:-

[www.yarravalleyaeromodellers.com.au](http://www.yarravalleyaeromodellers.com.au)



## **President's report – Tony Martinico Welcome all to our November newsletter for 2019.**

Hi All. Well, the weather hasn't been too kind to us, which means not many of us would have gotten much flying done, but the field is looking ok. We do have our Haydn Hampson & Frank Curzon memorial day this Saturday 23<sup>rd</sup> November 2019. We will be running it the same as last year. The rules for the competition will be; the Haydn Hampson trophy is open to scratch built models built from plans, a kit or own design of a scale aircraft, and the Frank Curzon trophy is open to all scale ARF models. Lunch will be available to purchase including our famous roast beef rolls and gravy, sausages and onion and hamburgers (please notify us if a vegetarian option is required). Tea, coffee and soft drinks will also be available for purchase. This coming Monday on Nov 25<sup>th</sup> we will be having a sausages and bread BBQ (BYO drinks) at 7pm at the Red Earth Centre, then at 8pm we will be holding our club auction, so get ready guys to bring all your unwanted aeromodelling gadgets to sell on the night. John Ferris, our social member has been kind enough to donate a series of framed pictures of WWII aircraft for us to auction off on the night for the club. He's also donated some books and other aircraft paraphernalia. Unfortunately, this year Rob Yakuvowski will not be able to be the auctioneer for the night due to interstate business, so myself and Bill Wheeler will take his place.

The Christmas function will be held on Sunday December 15<sup>th</sup> and we are intending on holding it as an afternoon function with some club flying Friendly competition, which include some great prizes for participants and some night flying. The club will be providing food and drinks for our members. Please BYO own salads, desserts and alcohol for those intending not to fly. We also would like our members to RSVP the committee so we can let Santa know how many kids he needs to bring gifts for. Be reminded that the committee will be keeping a sharp eye out for the "Holy Cow" award candidates.

Our webpage is finally restored and up and running. Apologies on behalf of myself and the committee for the delay, but due to unforeseen circumstances and technical issues it was unavoidable. Unfortunately, this has incurred small cost, which will be published in the next club meeting.

Please note that we will not be having a December or January Club meeting. Our next official club meeting will be Feb 24<sup>th</sup> 2020.

Finally, our Assassin wings have been ordered and dispatched and are on their way. Hopefully those who are waiting will receive them before Christmas.

Please be reminded that there will be no flying on the last Sunday of the month 24/11/2019

Thank you to everyone for their support, and I wish that 2020 brings us all good fortune.

Here's to happy flying and safe landings.

Tony Martinico

### **Website issues.**

Once again we have a website, all we need to do now is learn to update it.

### **Christmas party.**

Sunday 15<sup>th</sup> December is our annual Christmas party and family day at the field. We commence at 4pm and will complete with a little night flying at 10pm. Catering will be slow cooked

pulled beef rolls, bangers and hamburgers. The last two will be available in vegetarian and vegan options.

We are intending to complete flying at 10pm this day with a little night flying. Obviously this will be electric only and models with onboard lighting only too.

## Dates to note!

Sun 15th Dec.

Sun 19<sup>th</sup> Jan.

YVA Xmas party, fun fly and night fly; finish 10pm

VPA Aerobatic event at our field

If you're interested in events outside of the club, the VMAA calendar will inform you of what's on where at this address <https://www.vmaa.com.au/Calendar/calendar-of-events.pdf>

## House Keeping

Ensure every person attending the club field signs in and out of the register book. Remember the last person to leave the field has to check that the clubroom is locked and secure. Lock the front gate on departure.

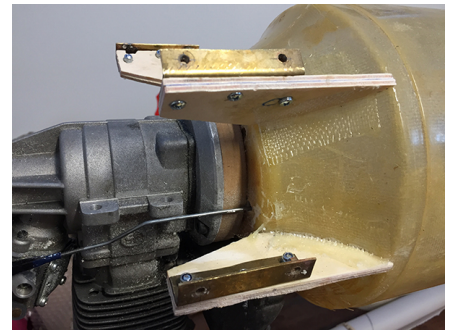
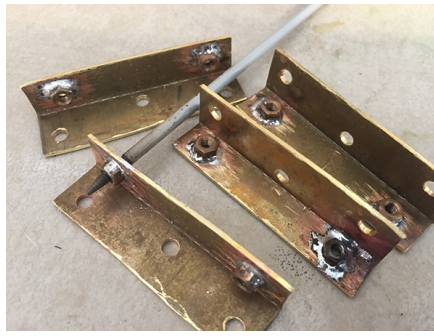
Clean up after yourself if you use the clubroom facilities, ensure the gas bottle is turned off after use.

## Back in the building room...

The cowling on the Yak is 200mm long hanging on a 10mm flange. Simply bolting through the cowl and into the flange is not really an option. With the weight of the cowl and vibration from the 35cc engine it would be loose before too long. I thought I would need to make some mounts that ultimately support the cowl somewhere near its centre of gravity. The ply brackets were made from 2 laminations of 3mm ply, cut to a cardboard template. Once epoxied in place such that their brass brackets would fit between the cowl's louvres, a small amount of glasscloth was added either side to reinforce their joint to the fuselage. Positioning the brackets was aided by taping strips of balsa to the fuselage. I had to ensure there was a gap along the top of the bracket that would allow for the thickness of the cowl. Brass brackets were bent from 20swg brass sheet and have 3 off 3mm holes to bolt them to the ply mounts and 2 5BA holes for bolts the cowl on. The 5BA nuts are soldered to the brackets and were positioned by screwing them on to a tapped aluminium knitting needle. The needle positions the nut while heat is applied to solder the 5BA nut in place. The pictures below tell the story above. Incidentally, the louvres are mounted with M2x6mm CSK screws and nuts.







Once the model is finally finished, the bolts will be held in place by loctite to stop them vibrating loose. Once the tank is installed, the next task in the build is to remove the louvers and canopy fairings to prep the model for priming and painting.

A question that arose from last month's newsletter was how do you anneal Aluminium? The front and rear canopy fairings are made from lithoplate. To anneal this correctly simply wipe with a bar of soap and heat, either over a cooker flame or with a blowtorch. Once the soap turns black remove the heat, the Aluminium is annealed. If there is a lot of forming required you will need to re-anneal as Aluminium will work harden. Aluminium will also age harden. In the aircraft industry, soft Aluminium, supplied in what is known as the 'O' condition, is kept in a cold room to stop it age hardening until it is ready to be used. Plumber's flashing is fully annealed pure Aluminium hence the reason it is soft; it has no additives to harden it but it does work harden and require re-annealing if you start to form it.

## Haydn Hampson / Frank Curzon Scale day

What a great day! We had a good turn out and variety of models both ARF and scratch build. The weather was spot on with a light variable breeze, which seemed more akin to thermals passing through rather than any breeze from a given direction. John Ferris brought along his own design 1/4 scale Brewster Buffalo to sit in the pits and be dribbled on. Anthony Curzon brought along his late father's DH Cirrus Moth, which eventually took first, in scratch built. Frank Murphy and Damien Mould flew Frank's electric DH Hornet, which sounded really good flying around. We were well supported with four members of the Bacchus Marsh club making the trek to our field with some nice looking models flown equally well and also receiving places by the end of the day. Catering was slow cooked pulled beef rolls along with sausages from our BBQ. We hadn't used the BBQ in a while and Tony was having trouble removing the catch tray. I suggested just lighting it but upon removing the burner plates it was cram packed full of straw. House Martins had made three nests it it, one of which had 5 eggs in. There was an awful lot of work gone into this and it was packed solid. The eggs were cold and the concensus was they had been abandoned.

## A little advertising...



## Home

We now offer **Local Free Delivery** for orders of **\$25.00 or more**. If your postcode falls within our "10km Free Zone", the system will recognise this. All you need to do is proceed through the checkout as normal and the system will recognise you as "in the zone". We will then deliver the order to your door within 24hrs. Contact us via e-mail for any special delivery requirements.

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### TRADING HOURS:

Monday-Tuesday :10.00am-5.00pm

Wednesday :12.00pm - 5.00pm

Thursday :10.00am - -5.00pm

Friday :10.00am-6.00pm

Saturday :10.00am -2.00pm