



“THE FLYER”

YARRA VALLEY AEROMODELLERS NEWSLETTER

January 2019

The Committee:

President –

Tony Martinico

0418 526 688

Vice President –

Daniel Wheeler

0430 596 861

Secretary –

Bill Wheeler

0414 325 872

Treasurer –

David Nichols

0417 547 040

Registrar –

Steve Dengate

0408 749 384

Public Officer –

Bill Wheeler

0451 047 908

Editor/Webmaster –

Tim De Haan

0409 809 473



**Frank Murphy's scratch built
de Havilland Hornet Successful
maiden flight 20 December 2018**

No Meeting this month

The Next General Meeting is on Monday 25th February 2019

8.00 PM Venue - Red Earth Centre in Mooroolbark.

Newsletter now on our website at:- www.yarravalleyaeromodellers.com.au



Welcome all to our January/February newsletter for 2019. Welcome back all to 2019. For this January the committee has decided to not hold a club meeting, so if you have a matter that need to be herd, please feel free to contact myself or the club Secretary with your concerns. I would like to urge our members too please make some time to attend our February meeting and take part in with what's happening at YVA, and this is also the perfect time for our members to voice their opinions during General Business. This year we look forward to holding a few club events too bring all members together and enjoy our great flying field. Please be aware that we will be holding our Haydn Hampson & Frank Curzon Memorial Day on Saturday the 23rd of February. This event has been carried forward from November 2018 and I'm hoping we have a great turn out similar to our 2017 Event. We will be holding that

same event again this November 2019.

So we had a successful November auction, where plenty of models were exchanged for cash and I hope that those of you who left with huge dividends, went out and purchased some more aeromodelling items that you may think you need this time? A big thank you to our auctioneer Rob Yakubowski who made our evening a success. You will be all pleased to know that Rob has also offered to hold our next auction which will be held at our next November meeting 2019

You will be all please to know that our permit to operate our club on our current Flying field has now been approved. Please note that this doesn't change anything. The same YVA club rules and MAAAA/VMAA rules still apply, and the same courtesy must still be extended to our neighbours. The permit we hold now just strengthens our right to be at our current location and that the council recognise what we do at the current location. All members must be aware now that we must always sign in and out when we use the field. I like to report that all members are doing so and we have so far collected some interesting data in regards to the field usage. Just to give you a general break down in point form on our field usage. This data has been collected over the last 4 months.

#1 Flying on average 3 out of 4 weeks per month.

#2 Five members for 4.5 hours per day on average are using the YVA field.

#3 3electric models to 1 Glo/Gas Turbine on average. (Turbine being the least used) are being flown by our YVA members.

#4 Just over one third of our members have been actively using the YVE flying field on average.

This information is kept by the committee and will be shared with our Land Lord.

Please be aware that we are not restricted to use our YVA flying field and I encourage all members to freely use the YVA flying field as much as they desire, remembering our new club rule that the field is restricted to Electric Only to all members on the last Sunday of the month Following a club event. The committee will endeavour to remind all our members of this until we can come up with our own YVA calendar of events which will be posted on our web page for all members to see.

For the members who may think that their model may be a little noisy are encouraged to see or contact Daniel Wheeler our Vice President as he now has the club Noise Meter which was kindly donated by David Hipperson. Daniel will be more than happy to help you out with your concerns and we have plenty of members who would be more than happy to help out with your noisy models. All's you need to do is ask

around. Our ceiling height has been approved at 1000 feet, if you have any questions about this please feel free to contact our club Secretary.

I'm trying to put a VMAA trophy team together and I am looking for somebody who can organise a team and compete in the event on the said date. I have a few members in mind which I will be contacting in regards to this, but if you feel you are up for the challenge, please come and talk to me.

I'm looking for a team of members of at least 6 and a maximum of 10 to help paint the club house on Saturday 2nd of February, Weather permitting of course. I will need someone to organise and buy the tools and paint required as I'm unable to do so as I now won't have the time to do so with my new Job. If we could have a couple of tradies involved so if there are any repairs, modifications or maintenance required we will be able to do so. Please feel free to contact me any time in regards to this.

As for our Christmas Party, it was sadly a flop last year. Very few members turned up and I guess it was due to the current weather report threatening rain and storms. Thank you to the few who turned up and enjoyed a great day with a very small passing shower. It was run exactly the same as last year with a raffle lucky dip which was won by all the members present. I look forward to our 2019 Christmas party being a huge event this time around

Thank you to everyone for their support and I wish that 2019 brings us all good fortune. Here's to happy flying and safe landings.

Tony Martinico

Editors Notes

Hi all, hope you all had a great Christmas and New Year's break and got some hours behind the remote control or your building board. It's been 8 years now since I took up this hobby and have enjoyed learning the many facets of the hobby I have especially enjoyed the building side of things which appears to have taken on a bit of a resurgence. Hopefully in the next issue or two of the newsletter I would have maiden my Balsa usa 1/3 scale Ercoupe which I will report on. It's been ready for paint for a while but has been a bit too hot and is also my least favourite part of the build.

It has also been 2 1/2 years since I took over the newsletter from Hugh Coleman and website from Greg Lepp and the time has come to hand the batten over to someone else. Reason being, I don't get out to YVA field now and the newsletter and website needs a person more involved with the running of the club and use of the field. Bill Wheeler will now be looking after the newsletter and the committee are also looking for someone to take over the website. I will continue to look after the website if needed until the middle of the year so please let the committee know if you are willing to take give the website a go.

It has been a real privilege to be able to help out the club in this way which in turn has been a great learning experience for me. I will miss doing these task and will miss the club and the members when I finish up in the middle of the year. Will still visit from time to time and get to some of the events the club host. I will spend most of my flying time out at the Northern Club now so maybe see some of you out there in the future.

Regards, Tim De Haan

Tim De Haan



De Havilland Hornet

Frank

Murphy

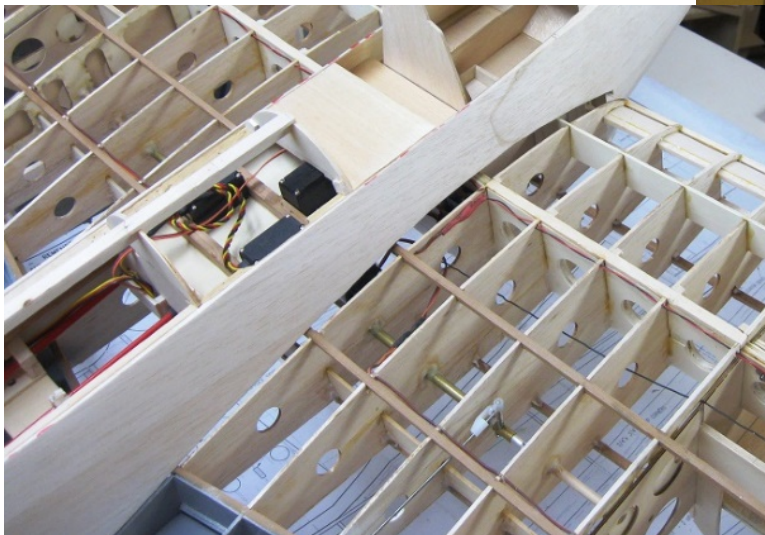
A few years back, I had to stop flying due to a number of medical issues. Not wanting to be totally away from the aircraft modelling scene, I wanted a long term project that would be challenging. My aerospace engineer son suggested the DH Hornet. He will forever be in my bad books for the number of issues I've faced and the headaches he's caused over a long period of time.

There was little information around on this plane and even less in the way of decent plans. Contacts through the various RC forums found me with a set of plans for an 80" model. While the fuselage plan was reasonable, the wing and nacelles were just so wrong it didn't matter. With further research, I found Jose Gutierrez of fliteskin.com in Miami. He produces kits for a 100" model and kindly offered to laser cut a set of wing ribs for my 80" model. Apart from the wing ribs, the model is entirely scratch built.

The wing rib package arrived somewhat damaged in transit. Along with that was a decent set of plans for the wing and nacelles. A lot more



research followed on Hornets that others around the world had built before I started. The major issue to start with and all through the project was trying to correlate the build from two



different sets of plans and nothing in the way of instructions.

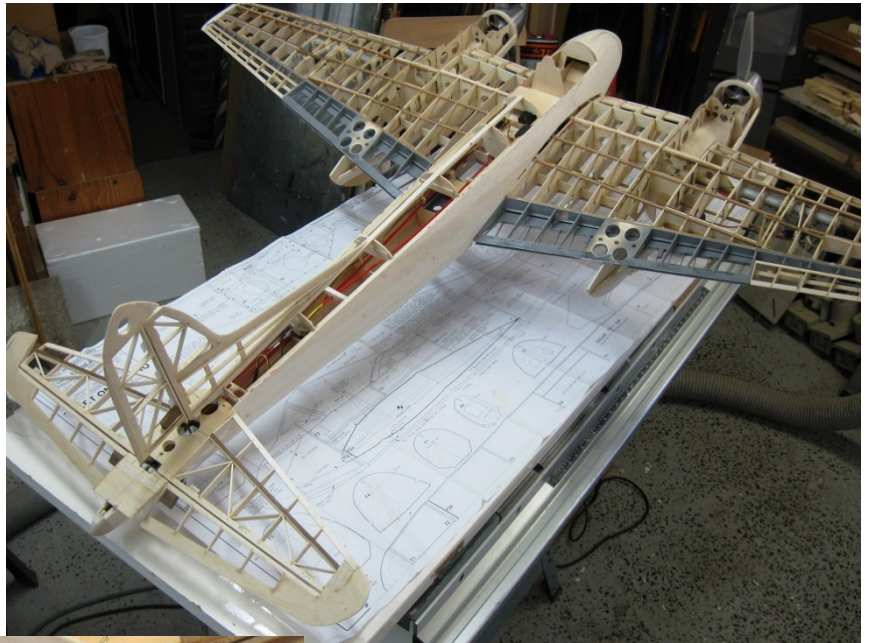
The wing build was pretty standard except for setting up the split flaps and getting the frise ailerons hinged correctly. The flaps are controlled by a torque rod off one central servo.

Separate servos for the ailerons. Nav light lenses heat



moulded from coke bottles. Landing light is made from an LED torch switched on by a micro switch when the flaps are extended. Covering is Fliteskin. It is 0.007" thick compressed fibreglass, extremely tough and lighter than a balsa / fibreglass covering. Downside is that compound curves are not possible.

The tail was an issue. The plans I had showed the dimensions for the F.Mk.1. I wanted to build the F.Mk.3 version which has an extended span. The only reference I could find with good drawings was in the Warpaint Series on the Hornet. They were 1/72 scale. It's handy having a wife who is



a talented graphic designer. She managed to scale up the drawings so I had something decent to work from.

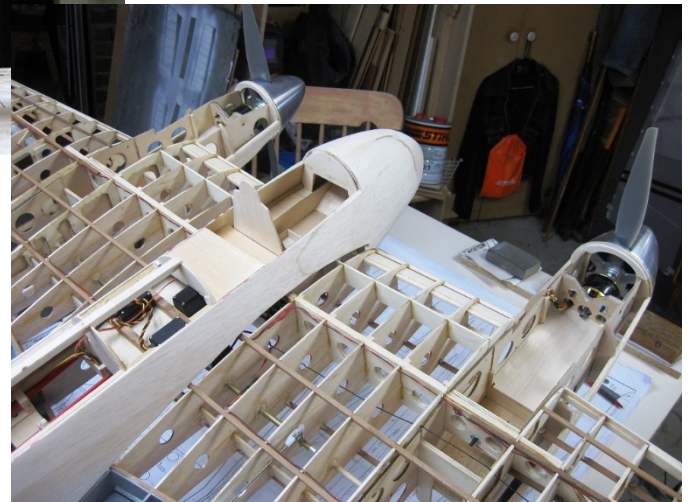
The fuselage was not a problem, just standard build techniques. The only issue there was getting the retractable tailwheel to only turn (in conjunction

with the rudder) when it was extended.

Getting a canopy was a problem. Fortunately, I'd become online friends with a fellow modeller in Winnipeg in Canada who was building an 80" model at the same time. He moulded his own canopies and made one for me. Covering is fibreglass tissue.

Building the nacelles was relatively easy except for the correct cut out for the gear doors. There were three cuts (and re-glue) before I was satisfied they were reasonably close to correct. Hinging compound curve gear doors also caused some grief. I eventually made my own hinges to suit.

The sweep on the landing gear on the original was 115deg. The only retract that comes close is 110deg from Robart. The retracts were converted from air to electric with a conversion kit from Robart. The wheels are 4.5" 4 spoke aluminium





Robart. Expensive but I could not find that size and style anywhere else.

The model is based on a particular unit from No. 19 Squadron based at Church Fenton in 1947. It is painted aluminium with a flash of blue around the exhaust stubs. Roundels and lettering are printed on Waterslide Decal paper – so easy.

Considering the original had two big Merlins up front, I needed to add 740gms of lead (half in each Nacelle) as far forward as possible to get the balance right. I cast the lead in a “U” shape to fit exactly inside the nacelle frames directly behind the front former and over the motors.

Motors are Scorpion 4020-14 with a Kv of 484 rpm/volt off HiFei 80A ESCs with 5S Lipos and 18x8

contra rotating props. All up weight is approx 10.5Kg. Maiden flight by Damien Mould showed it was somewhat underpowered. Recalibration of the ESCs solved that issue. Combined power from the two motors is now approx 2700 Watts so in excess of 115 Watts per pound. The next test should see significant improvement.



Congratulations on a beautiful build Frank. A very impressive aircraft which will impress all who see it and shows great building skill. We look forward to your next build.





ANNUAL - HAYDN HAMPSON & FRANK CURZON MEMORIAL SCALE RALLY

DATE: SATURDAY 23TH FEBRUARY

9.00AM – 4.00PM

LOCATION

Bleases Lane, Yarra Valley

The Annual Haydn Hampson and Frank Curzon Memorial scale rally.
The day has been simplified with the following classes.

- Frank Curzon Trophy – is open to all ARFs and is an ARF category, for any scale aircraft ARF
- Haydn Hampson Trophy – Is open to scratch-built scale models built from a plan, kit or own design of a scale aircraft

Pilot briefing starts at 9am, flying will commence shortly after.

Entry Cost - \$5 per a plane

Canteen will be running for lunch

For additional information contact – Daniel Wheeler 0430 596 861





P&DARCS

Pakenham and District Aircraft Radio Control Society



Monty Tyrrell Memorial Scale

Rally – Sunday March 24th 2019

Field Location; Wenn Rd. Cardinia, (50K East of Melbourne) Vic



All Scale Aircraft welcome, ARF, Kit built does not matter, just come.

Excellent Trophies & Lucky Draw Prizes

P&DARCS have excellent facilities, including long and wide grass runways and several 12 and 240volt electric charging stations.

Tell your friends to come and see some great model aircraft.

- Flying starts at 9-00am.
- No documentation required – just fly and have fun.
- Bring lots of aircraft, any size any type, just scale.
- MAAA cards and Model Permits must be sighted.
- Catering is available.
- See web site, www.pdarcs.com.au/monty, for information & entry forms.
- Please note; dogs, even on a leash, NOT allowed at field.

Come for a great days flying at a great field.

\$5 per car entry/registration fee for pilots and spectators

VMAA Trophy Weekend

06 to 07 April 2019

The aim of the event is to encourage Association Clubs to have a go as a team over the two days. The event has the emphasis on fair play, maximum fun and competition. Junior pilots are encouraged to be part of a team and enjoy some competition

The trophy weekend has been modified to eleven (11) events. All rules have been reviewed for the 2019 competition

The Trophy rules make it fair for smaller Clubs to have a go with a good chance of doing well against bigger Clubs. Enter as many events as you can. Your best six of the ten events will count.

A pilot can compete in two events only but can 'assist' other pilots in other events. (All Clubs will be asked to provide officials for judging or time-keepers for some events.)

Trophy Events:

- Helix/Drone Limbo (new event)
- Bomb Drop
- Fun Scale
- Helicopter (Timed event)
- Thermal Soaring
- Scale Aerobatics
- Electric Glider
- Fun Fly
- Sports Limbo
- Musical Landings
- Combat

New—Ring In Pilot for teams. Not enough Club Members, why not enter a Composite VMAA Team. Rules and conditions for Trophy Weekend will be posted on the VMAA Website. www.vmaa.com.au

The event will be held at **State Field Darraweit Guim, Vic.** Catering provided both days with camping facilities available.

ENTRIES CLOSE: Midnight, Sunday 31 March 2019.



If you need further information, please contact the VMAA CD; Joe Finocchiaro on Mobile: 0418 878 168, email contestdirector@vmaa.com.au

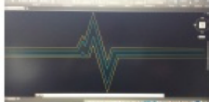


Get Your Wings



With over 50 years of modelling experience we are proud to provide the following services to modellers.

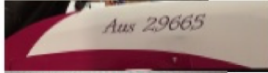
- CAD design.
- Laser cut model parts up to 500mm x 300mm up to 6.5mm thick.
- Vinyl cutting decals and paint masks.



CAD design of models & decals.



Vinyl cut model decals in premium vinyl.



MAAA Nos.



Paint masks.



Laser cut parts.

Contact:- Bill on 0414325872
www.skyviewmultimedia.com.au

If you have any articles, information adverts you would like to publish in newsletter and share with others please forward to:

news@yarravalleyaeromodellers.com.au

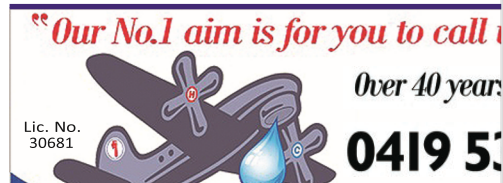


Victorian Model Aeronautical Association

Model Aeronautical Association of Australia

Bill Wheeler

Mobile: 0414 325 872



Yarra Valley Aeromo

Are affiliated with:

If you are interested in doing your silver or gold wings please speak to David Nichols or Jon Goudge and they will be more than happy to assist you or put you in contact with a relevant instructor. There are several instructors in the club so finding one that will be available to run through the requirements should not be too hard. There are also wings for gliders and helicopter.



Next newsletter due late March

For Sale

Contact newsletter editor to put add in next edition

Dates to note!

Check VMAA website for more details.

Sat 26 th Jan	VPA comp	YVA club field
Sat 23 rd Feb	Haydn Hampson/Frank Curzon trophy	YVA club Field
Mon 25 th Feb	Club Meeting	Red Earth Centre Mooroolbark
Sun 24 th Mar	Monty Tyrell Scale event	P&DARCS
Mon 25 th Mar	Club Meeting	Red Earth Centre Mooroolbark
Sat-Sun 6 th -7 th Apr	VMAA trophy weekend	Northern Flying Group

House Keeping

Ensure every person attending the club field signs in and out of the register book.

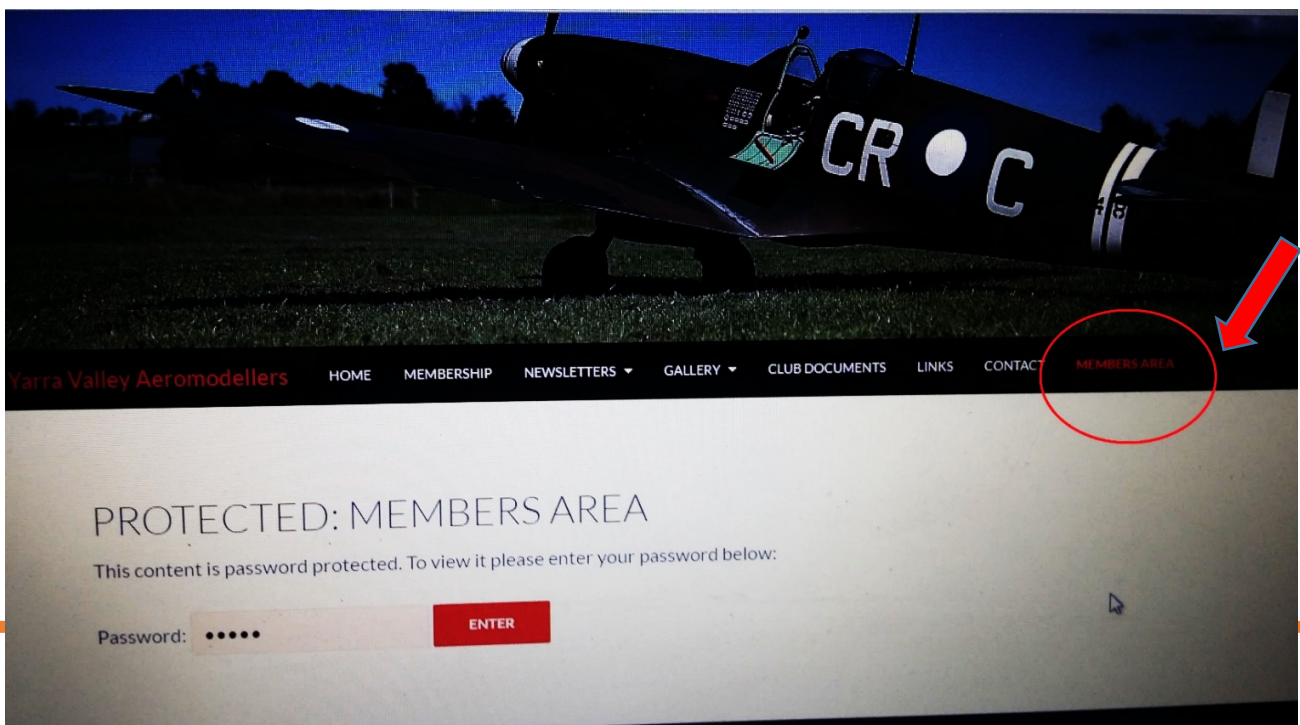
Remember the last person to leave the field has to check that the club room is locked and secure. Lock the front gate on departure.

Clean up after yourself if you use the club room facilities and ensure the gas bottle is turned off after use.

Meeting Minutes and Club Information

The meeting minute and other important club only information will now be available through the website and not published in the newsletter. There is a new tab on the website "MEMBERS AREA" which is password protected and can be accessed simply by clicking on the Members area tab, type the current gate access pin

The YVA Committee would like to acknowledge the generous and ongoing support of



number listed on your current membership card giving you access. To log out simply hit the logout button. A hard copy of the minutes will also be available at the club meetings or on request