



# VMAA NEWS

Visit our web site at [www.vmaa.com.au](http://www.vmaa.com.au)

Bulletin 18, August 2020

*The last few months have been difficult  
But will get to the other side  
Stay strong, stay safe and look after each other.*



# Moving forward....August 2020

VMAA Secretary



Once again, we find ourselves in Stage 4 and Stage 3 restrictions based on COVID19 with many fields either shutdown because of Stage 4 or others shutting down under Stage 3 restrictions based on the VMAA recommendation. The VMAA follows the Victorian Chief Medical Officer directive, believing closing fields is the best course of action to help curtail the virus by staying home. The VMAA did not make the rules, we are following them as we should being part of the bigger picture and being a responsible community citizen.

It has been good to see the daily cases starting to drop in Victoria. We still have a way to go, but at least it is in the right direction. The age care sector no doubt needs attention in many areas. Seeing the daily toll as we have seen is upsetting to many and should be investigated to the fullest. To those that have lost someone to COVID19, the VMAA Committee passes on their condolences. We hope the next few weeks pass quickly as we continue to improve and see daylight at the end of the tunnel. The VMAA will pass on any relevant information as soon as it becomes available to all VMAA Members.

## VMAA Meetings and AGM 2020

Due to the restrictions, the VMAA have adopted Zoom Video Conferencing which has worked very well so far. As advised already, the VMAA AGM will be held on 10 Sep 2020. The main reason for the change was to ensure our financial affairs and accounts would be ready for the meeting. Changes have included moving to MYOB and aligning accounts with the new system. A far better process as we move forward.

The AGM will also be conducted via Zoom Video Conferencing and will be held after the normal monthly meeting on 10 Sep 20, starting at 9:00 pm. Those that wish to attend the meeting can do so by contacting the VMAA Secretary. [Contact the VMAA Secretary](#)

## Insurance Claims and Communications

A reminder to all that if an incident does occur at the field, then you **MUST** submit an incident report to the MAAA Secretary. The Incident Reporting / Investigation Form can be found here. [Report an Incident](#). The online template will guide you through the process and is easy to follow. It is important to complete the incident report within 24 hrs to ensure the incident is processed. Delays can cause issues for any claims or future claims.

If you are submitting an insurance claim or any communications regarding a claim, the MAAA Federal Secretary is the contact person. If you need additional information on insurance, please click on the following link. <https://www.maaa.asn.au/club-support/insurance-support> If your query is general in nature, please contact the VMAA Secretary in the first instance.

## MAAA Membership Registration System

Please be aware that your Club Registrar completes any changes to your personal details, however changes can also be completed by individuals if they self-register on the MAAA Membership Registration System. It is not up to the MAAA/VMAA Registrars to make these changes unless there is a problem. Go to the MAAA Membership Registration System and you will see on the left of the screen the word "[Register](#)". Click on the link and follow the prompts.

## Membership Categories

There seems to be a misunderstanding of the Consumer Affairs (CA) Model Rules, 2012 and the category of an Associated Member within the MAAA Membership Registration system. Many clubs if not all, adopt the Model Rules to provide a framework for the club to operate successfully.

Clubs need to be aware that only membership categories defined in their own rules exist within their club. Anything defined within the MAAA rules or MOP is not automatically transferred to a club's rules. There will also be a specific process in a club's rules that determines how to implement additional membership categories correctly. The following explanation covers these two areas.

## Associated Member – MAAA Membership Registration System

Within the MAAA Membership Registration System, the MAAA uses the term "**Associated Member**" for a specific reason and purpose which is only to identify where the MAAA/VMAA component of the fees are paid. The club where a member pays their VMAA / MAAA affiliation fees as well as club fees can be considered the "**parent**" club within the registration system. The Associated Member category identifies a club member that has also joined another club in addition to their "**parent**" club and where they only pay the club fees (ie the registration system does not force them to pay the VMAA / MAAA affiliation twice).

Therefore, the parent club is simply where the member pays their club fees **AND** the MAAA/VMAA component which of course covers the insurance part of the fee structure. The MAAA category has no other impact on the person's club memberships.

## Associate Member – Consumer Affairs Model Rules 2012

Under the Model Rules, an associate member is defined as a member under the age of 15 and any other category of membership defined by the club (in accordance with their rules). If there are no other categories defined by a club's rules then only "**membership with full rights**" exists (as stated in the rules). A club using the Model Rules, under section 14, (1) (b) is allowed to implement other categories to provide a set of guidelines to rights and privileges. This can include a different fee structure aligned to different privileges such as "non-flying" or "no right to vote".

However, before any categories can be implemented under this section, the proposed category and associated rights need to be

passed as a Special Resolution at a general club meeting. The resolution, if accepted by the club membership, must be recorded in the meeting minutes for future formal reference and only then can the category be implemented.

If an Associate Member category or any other category is not implemented as per section 14 (1) (b), then any member can only be deemed to be a **full member of the club** on paying their club fees.

The bulletin for this edition is for light reading, but there is information that may be of interest. We once again have Andrew Sill Pod Cast (FLAT Out RC) who provides an insight from various disciplines and general modelling. These Pod Casts will be a common feature within the bulletin. I hope you find something of interest.

I am more than happy to include in the bulletin article, photos, Pod Cast, You Tube or what you are building now. If you have any tips/tricks that others can use I would be more than happy to include in the bulletin.

Until next time, please stay safe and enjoy the building time. We will be back enjoying our fantastic sport soon enough.

*Joe Finocchiaro*



## **Reminder to all Members NOTICE OF ANNUAL GENERAL MEETING TO BE HELD ON THE 10TH OF SEPTEMBER 2020**

The Secretary of the VMAA Inc. hereby gives notice of the Annual General Meeting of the Association to be held on Thursday night on the 10th of September 2020, via Zoom Teleconferencing

The business to be transacted at this Annual General Meeting shall include:

- (a) To confirm the Minutes of the last AGM;
- (b) To receive the Presidents report;
- (c) To receive the Secretary's Report;
- (d) To receive the Treasurer's report;
- (e) To elect Officers of the Association and the Ordinary members of the Executive; and
- (f) To appoint VMAA nominated positions. i.e. **Editor, Video Librarian, State Flying Instructor, Education Officer, etc.**

**(g) General Business**

Nominations for the following executive positions have been received:

- 1) **Vic President - Mr Jon Goudge (2-year term);**
- 2) **Secretary - Mr Joe Finocchiaro (2-year term);**
- 3) **Registrar- Mr Geoff Herbert (1-year term);**
- 4) **Contest Director - No Nomination (1-year term); and**
- 5) **Ordinary Member3 Mr Mark Sills, Mr Paul Webber and Mr David Nichols. (All 1-year term)**

**Nomination are now closed except for those positions with no nomination.**

**Nominations of Candidates** for election of officers of the Association or as Ordinary Members of the Executive shall be in accordance with the Constitution of the VMAA Inc and be:

- a) made in writing and signed by the member(club) and accompanied by written consent of the nominated candidate (may be endorsed on the Nomination Form).
- b) be delivered to the Secretary of the Association not less than **twenty- one days** before the date fixed for the holding of the Annual General Meeting.
- c) In the event of an unscheduled Executive position becoming vacant on the night of the AGM, nominations may be taken from the floor to fill that position

**Any business to be placed on the Agenda for the Annual General Meeting must be delivered to the Secretary not less than 30 days prior to the AGM.**

**Correspondence should be sent to: -**

**Email: [secretary@vmaa.com.au](mailto:secretary@vmaa.com.au)**

**OR**

**Secretary VMAA  
Joe Finocchiaro  
PO Box 854  
Bacchus Marsh, Victoria 3340**

# The EDF Hydro PropJet

Article by Joe Frost

*Joe Frost has been busy again designing something to keep the grey matter going and having some fun along the way. His latest project takes on some not new but different that is not do difficult to put together. This is part one of his article with part two arriving after the water trials. Hopefully, this will confirm the model will fly as good as it looks.*

During the recent closure of flying fields due to the virus, I have found lot more time to create own design models with the use of my favored material to work with, Depron sheets. With constant increase of limitations and regulations in our beloved hobby I have started to build very light micro models, mainly EDF powered jets with the smallest power units available on the current market.

My aim is to keep them under the weight limit to be able to fly them without any restrictions at the time and place of my choice to enjoy and keep the flying skills up. As mentioned in my recent article (The size never matters) I find some of these small EDF jets can take lot more skills to handle than a decent size 2-meter jet model especially while hand launching.

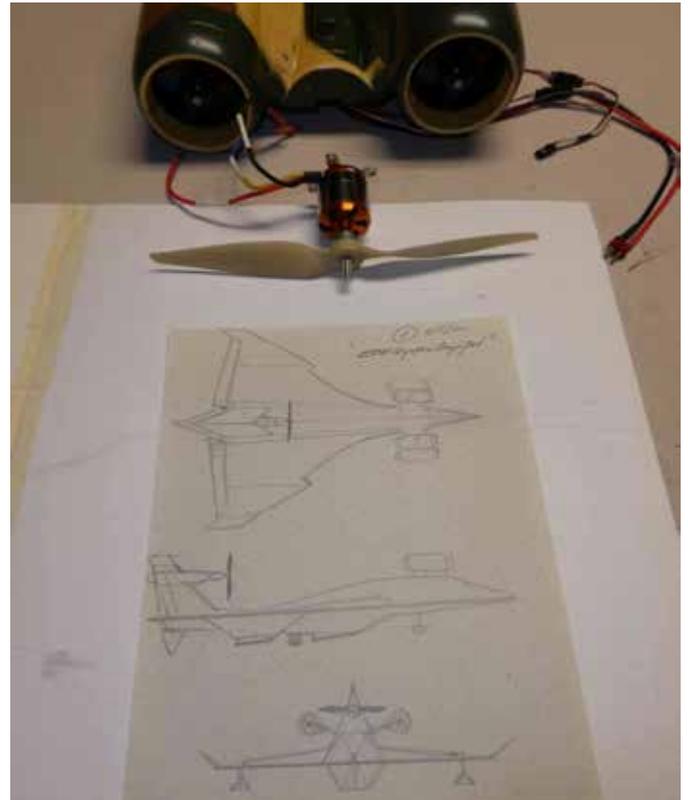
I also find them as a great test prototypes to experiment with, before building larger projects to work out the basics such as center of gravity, thrust line of the power units etc.

One of my favored type of jets are Deltas, for their control simplicity to keep the weight to minimum while using only 2 Elevon servos with the smaller hand launch ones, and additional servo for the nose steering with the larger models fitted with the landing gear, still finding these models well under control without even Rudder function.

While regularly enjoying flights with 3 of my Delta water planes (Skippers and larger XL version) I came up with an idea while walking back from the lake to create my own design water plane as a combination of EDF power and Prop hybrid job.

At first, I thought to build one on the smaller scale using tiny twin 30mm EDF units and the small 22 size brushless motor, but with the recent problems to order anything from overseas gave it a miss after going through my spare parts box to see what I got to start with.

With a variety of medium size prop motors to



*The first drawing for the intended project.*



*Initial Depron cut out. Did not look right.*



*25% larger frame with nacelles size reduction*



*Float hull in making.*



*Belly float hull ready for sealing off, after the nose gear and removable EDF power system installation.*

choose and a hardly started ARF kit of twin 70mm EDF, “Warthog” still in the box, I thought this will be a great way to get into it on the slightly larger scale. Next thing, took out a sheet of an A4 and straight into a drawing of what I had briefly on my mind. Twin EDF power in the nose section well above the water line and the prop job at the rear fin similar to “Skipper” design.

Following few days, I did series of about dozen more drawings, selecting the one that tickled my fancy most. The size of the model was the next question, thinking of some 1.3-meter full length and a span of a Depron sheet at some 70cm or close to it.

After cutting out the first Depron layout and placing it down with the 70mm EDF units, it just didn’t look right scale wise! The frame was too small or the power units too large, so it was back to the drawing new 25% larger frame on few new Depron sheets joined together. Even at this size the main frame looked slightly small for the power units in the nose section so the easiest way was to do bit of surgery to the EDF nacelles to reduce their size.

After cutting and separating the whole twin power unit apart I have created shorter nacelle version with re-modified exhaust outlets and joined the two together at much wider span with some 5 degree sideways thrusts to minimize the efflux air stream to interfere with the propeller air intake at the rear. Further mods were required to re-route all the power and signal leads.

The rear prop power unit was incorporated into a module made of cut out balsa block with Elevator tabs and Rudder fins used from the “A-10” model kit. Elevator planes/stabs with the control tabs had to be re-modified by some enlargement with more solid hinges fitted and carbon fiber spar reinforced.

This whole power and pitch assist controlled module will be fitted to the two-carbon fiber strengthen fins well secured to the base of the rear fuselage, being laminated from two layers of Depron sheets and number of lateral carbon fiber spars running along the Delta wing to eliminate any flex.

Over the years I have found the Epoxy bonding is the only way to laminate these large surfaces which unfortunately adds lot of extra weight, but any other glue doesn’t seem to cure in these air access restricted areas.

The belly’s float hull was created out of 4mm ply adding great strength to the full length of the frame. The center of gravity was based on some of my similar shaped Delta models, and the ‘lift off step’ was position at its point

which can be repositioned at further stage after flying trials.

Prior to closing and sealing off the hull section I have built provisions for the nose landing gear, also removable Rudder fin for the steering in the water after initial flying off the ground with the alloy made up simple landing gear to sort out all the unknowns first.

The timber/Depron built hull was well impregnated with numerous coats of various water-based sealers, paint and the final gloss resin finish over the entire model. Elevon metal gear servos with the control horns and push rods had to be placed on the top of the wing, imbedded inside wing cavities and sealed off as much as possible to minimize any water penetration in the case of future water action flying.

The only thing stopping me flying it off the water will be the excessive water wash, getting into the front nacelle air intakes. (Hope not!)

If that will occur, I may rise the twin set of EDF units some 10cm higher but I will deal with it after some flying trials first before I place the model in the water to find out the draft of the hull and add correct size of float pods under the wings for the stability during water trials.

At the worst scenario, and the “HO2” creating unsolvable problems, all I will have to do is to remove the word “Hydro” from the title and just call it “EDF-Prop-Jet”.

The entire build took me just under 200 hours to create and after some static test runs to see what it pulls it looks very promising at one to one power to weight ratio. PS. The first flight trials went better than expected, couple of maiden flight were only some 150-meter level flight some 2-3 meter high to make sure the C of G is close enough, all well under control, and further full circuits were performed at my local flying field with minor CG and travel adjustments.

Initial flight was slightly on the nose heavy side, creating bit of unnecessary drag so center of gravity is moved bit by bit further back to the ideal position before the water test flight trials.

Stay tuned for next chapter.  
Happy and safe flying,  
Joseph Frost.



*Work on the upper fuselage.*



*Balsa laminated Elevon tabs ready for paint after water proofing.*



*Preliminary centre of gravity battery position checks.*



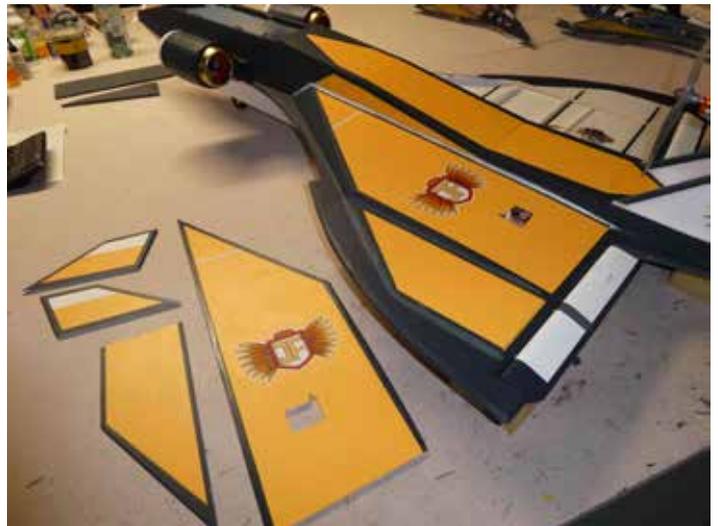
*Work on the upper fuselage.*



*Elevon servos kook up and prop motor bench test runs*



*Next to the "Skipper" the model that gave me an inspiration to create "EDFHydroPropJet", just about complete.*



*Never ending free hand paint job, with the use of water based paint, sealed off with the final coats of water based clear resin.*



*Flying trials. Needs a little work but nothing to taxing*



*JF Jet studio's C-19 EDF jets creations*

*Thank you to Joe Frost for sharing the idea and build for the Hydro PropJet. We will be waiting for the next chapter of the build and of course the flying. Hopefully all will be worked out with many hours of fun to have.*

# VMAA Video Library August 2020 Update.

Effective Immediately the VMAA has dropped the \$10 Entry Fee for joining the Library. You can now join for FREE. To join please contact the VMAA Librarian at [videoliberalian@vmaa.com.au](mailto:videoliberalian@vmaa.com.au) and ask for a joining form and list of DVDs available.

The V.M.A.A. has a very extensive DVD Library. It contains over 1,300 titles covering models and full size aircraft as well as aviation movies. There are many excellent instructional DVD that provide you with excellent information that will assist you in this great sport. There are also lots of titles covering many of the big model shows and competitions from all over the world as well as a huge selection of full size aircraft documentaries. You are really missing out on something if you are not a member of the library. It only costs \$6-00, which includes the return postage, for 4 DVDs.

The video library is a great resource, if you are not using it, then why not. You get 4 DVD's delivered to your house for only \$6-00. This includes the return postage.

## Attention New Members

The Library has lots of Training/Information type DVDs available and these are extremely informative and will greatly assist you in both building and flying model aircraft. In particular the Dave Platt series of videos in the 5000 series are extremely informative and will help improve the modelers' skills, even those who have been building models for a long time.

Why not send an e-mail to the DVD Librarian and request him to send you the full list of DVDs available or click on the link below

### Do not delay, do it now.

Contact the VMAA Librarian, [videoliberalian@vmaa.com.au](mailto:videoliberalian@vmaa.com.au), now for information about the library; you will be amazed at the huge selection of titles available. The Library has over 200 Instructional DVDs in its collection showing you how to do all sorts of things pertaining to model building. So why not click on the link below to see all of the titles available.

Please [click here](#) to see the full DVD listing.



*The Flat Out RC Podcast is quickly becoming a favourite for aeromodellers and it is produced right here in Australia.*

*If you are not sure what a Podcast is, they are best described as a radio show that is accessed via the internet on various streaming platforms.*

*Free to listen to, a new episode of the Flat Out RC Podcast is released every Wednesday where Flat Out RC host Andrew Sill shares hobby news, views, product information and always a feature interview with a special guest from the hobby both locally and abroad.*

*You can listen to the Podcast via Apple Podcasts, Spotify or Soundcloud. A quick way to access all the episodes is via the Flat Out RC website at*

<https://www.flatoutrc.com.au/podcast.html>.





Aus #	Surname	First Name	Rating
13508	<i>Eeles</i>	<i>Chris</i>	<i>Gold Power</i>
72673	<i>Collins</i>	<i>Phillip</i>	<i>Bronze Power</i>
87648	<i>Costigan</i>	<i>Edward</i>	<i>Bronze Power</i>
85992	<i>Junge</i>	<i>Tilo</i>	<i>Bronze Power</i>
87576	<i>Lucas</i>	<i>Nathaniel</i>	<i>Bronze Power</i>
87584	<i>Sebtokas</i>	<i>Aidan</i>	<i>Bronze Power</i>
68360	<i>Taylor</i>	<i>Glenn</i>	<i>Bronze Power</i>
86715	<i>Wilson</i>	<i>Clive</i>	<i>Bronze Power</i>
19247	<i>Marshall</i>	<i>Robert</i>	<i>Bronze Glider</i>
87037	<i>Smith</i>	<i>David</i>	<i>Bronze Glider</i>

***ALL completed wing assessments and requests need to be sent to [SFI@vmaa.com.au](mailto:SFI@vmaa.com.au) and no where else. Long delays can occur (3-4 months) due to the requests being sent to the wrong email address or person.***

**MAAA Instructor Refresher Courses**

As part of the ongoing improvement program, the a pre-course questionnaire has been introduced to improve the knowledge based for CASA Regulations.

*It is up to each individual instructor to contact the SFI and let him know of your availability for a particular course.*

Other courses were in the process of being arranged, but as we know, the COVIP19 restriction has placed a stop to all courses. The course is only one day in duration and completed indoors. Places do close quickly so if you wish to attend, send an email to the SFI. Club Secretaries will be notified on when courses will be conducted.

Due to the COVIP19 restrictions, instructors that wish to maintain their instructor rating have until **30 June 2021 to complete their course**. Any concerns, please contact the VMAA SFI.

*Thank you,  
Geoff Herbert  
VMAA SFI*

***The fees for Financial Year 2020/2021 as from 01 August 2020  
Full Year Membership for Seniors and Juniors:***

	<i>MAAA</i>	<i>VMAA</i>	<i>Total</i>
<i>Seniors</i>	<i>\$90</i>	<i>\$54</i>	<i>= \$144</i>
<i>Juniors</i>	<i>\$45</i>	<i>\$27</i>	<i>= \$72</i>

*For half year membership details starting 01 January, go to the VMAA Website [www.vmaa.com.au](http://www.vmaa.com.au)*

# MAAA Latest Newsletters

The MAAA Newsletter brings you information on a number of areas at the National level. This includes reports from the Committee and contact details, Manual of Procedure (MOPS), National and International Events Competition dates and reports on such events.

Click [MAAA Newsletter](#) to have a read.

## *From the VMAA Contest Director*

To all Club Secretaries and SIG Groups. If you wish to have your event advertised, please send an email with your associated flyer to

[contestdirector@vmaa.com.au](mailto:contestdirector@vmaa.com.au)

The Calender is updated on a regular basis and provides a heads up on what is happening around our great Association.

Were possible, your flyer will be placed on the monthly bulletin to get the word out. As always, the ones that get their dates organised and uploaded will hopefully get the best response..



## *VMAA Committee Members 2018/2019*

- |                                   |   |
|-----------------------------------|---|
| Reeve Marsh                       | - <b>President</b><br>- Ph: 0405 001 008<br><a href="mailto:president@vmaa.com.au">president@vmaa.com.au</a>  |
| Jon Goudge                        | - <b>Vice President</b><br>- <a href="mailto:VicePres@vmaa.com.au">VicePres@vmaa.com.au</a>   |
| Joe Finocchiaro<br>Postal Address | - <b>Secretary &amp; Public Officer</b><br>- PO Box 854<br>Bacchus Marsh 3340<br>Ph: 0418 878 168<br><a href="mailto:secretary@vmaa.com.au">secretary@vmaa.com.au</a> |
| Arthur Babis                      | - <b>Treasurer</b><br>- <a href="mailto:treasurer@vmaa.com.au">treasurer@vmaa.com.au</a>  |
| Paul Webber                       | - <b>VMAA Registrar</b><br>- PO Box 55<br>Grantville Vic 3984<br>Ph: 0478 084 911<br><a href="mailto:registrar@vmaa.com.au">registrar@vmaa.com.au</a>                 |
| Joe Finocchiaro                   | - <b>VMAA CD &amp; Bulletin Editor</b><br>- <a href="mailto:contestdirector@vmaa.com.au">contestdirector@vmaa.com.au</a><br>- Ph: 0418 878 168                        |

*Contact the CD to submit Calendar of Event dates.*

- |               |   |
|---------------|---|
| Geoff Herbert | - <b>State Flying Instructor</b><br>- <a href="mailto:sfi@vmaa.com.au">sfi@vmaa.com.au</a>  |
| Brian Dowie   | - <b>Committee Member</b><br>- Ph: 0402 918 916<br>- <a href="mailto:cm1@vmaa.com.au">cm1@vmaa.com.au</a>                               |
| Mark Sills    | - <b>Committee Member</b><br>- Ph: 95619097<br>- <a href="mailto:cm2@vmaa.com.au">cm2@vmaa.com.au</a>                                   |
| David Nichols | - <b>Education Officer</b><br>- Ph: 9752 5830<br>- Ph: 0417 547 040<br><a href="mailto:education@vmaa.com.au">education@vmaa.com.au</a> |

*Contact Dave to organise a presentation on aero modelling. Scouts, Cadet, School Group, general interest in aviation. All welcome.*

- |                |   |
|----------------|---|
| Ivan Chiselett | - <b>DVD Librarian</b><br>- Ph: 9898 4379<br><a href="mailto:videoliberalian@vmaa.com.au">videoliberalian@vmaa.com.au</a> |
|----------------|---|

*The VMAA DVD Library has the best collections of aircraft stories, modelling building and building techniques.*

*Meetings held 2nd Thursday of each month, except for January at VARMS Clubrooms*

