



HOLDFAST BUZZ

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Annual General Meeting August 3rd Save the Date!

Join us at 7:30 pm on Friday August 3rd for the AGM. Annual reports will be presented and election of a new Committee will be held. Light supper provided.



HMAC proudly sponsored by
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Our Treasurer, Geoff Haynes, recently purchased this EPP CAP232, designed by Quique Somenzini of Flex Innovations. With a wingspan of 1.5m, powered by a 6S 4500mAh LiPo and Potenza 60 motor pushing a 16 x 6 prop, it weighs just under 3kg. and has unlimited vertical performance. Geoff says it's a pussycat to fly and will knife edge all day.

The Flex QQ Cap232 EX is available as a PNP model from Modelflight.

From the President



Kingsley Neumann

"... I am heartened to see some of our recent graduates progress from the simple Solo Status onto Bronze and Silver Wings. This is what makes a Club great – having skilful and qualified flyers ..."

It is that time of the year again. The Annual General Meeting is coming up on Friday 3rd August at 7.30 pm. As usual, reports will be presented and the election of officers will take place. The most pressing of the elections will be the replacement for Ian Faulkner, our hard working secretary, who is approaching the end of his term. I have put out a call for expressions of interest to fill this position, if only for one 12 month period, but I have had no response so far.

The second of the MAAA Instructor refresher courses will be held on Jul 21st but don't worry if you have missed out. The association will be running more courses in the not too distant future. Having attended the course myself, I found that it was helpful to revisit some of the instructional techniques that we should all be following.

I am pleased to say that HMAc Instructors present as a fairly solid core group, especially among the regular Sunday morning Instructors. If you do not regularly instruct but would like to retain the valued MAAA Gold Wings Instructor Rating, please make sure that you do the course.

Chris Flynn demonstrated his Fun Fly machine called Assassin on a recent Sunday morning. I was most impressed with its sturdy construction, flying characteristics and affordability. It should make an ideal Fun Fly model for an extension of activities on the Club Competition days. Some people have already ordered the kits. It is a simple process and thanks to Chris, the first bulk order of 10 wings went very well. Stand by for some Fun

Fly activities. Details on the next order will be made available in due course. It is perfectly acceptable to order direct from Crash Test Hobbies.

Work has commenced on the concrete slab for the new tractor and storage shed. With a bit of luck we should have the new building up by the middle of August. We will be calling for help in shifting equipment into the shed in an orderly manner.

Flying continues despite the bitterly cold weather. In fact some of the calm days have been excellent. I am heartened to see some of our recent graduates progress from the simple Solo Status onto Bronze and Silver Wings. This is what makes a Club great – having skilful and qualified flyers. Who knows, you might even find a niche in the competition scene.

Some other Clubs have supported their Members going off to attend overseas competitions. Steve Nelson from our Club recently acted as Team Manager for an Indoor World Championships event, simply because he loves the discipline of those fragile machines.

I am pleased with the way that the Club is running at the moment, with one exception. We do not have a good plan for succession of main office bearers. The old group is very skilful and hard working but we should really be looking to attract some fresh blood onto the Committee. This is a problem in many Clubs of various types, not just the aeromodelling fraternity. Don't forget the AGM and if you can help, please let me know!

Kingsley Neumann
President



September General Meeting

Unfortunately Marta Najfeld had to cancel her presentation at the **July 6th** Meeting due to a more pressing commitment. However, Marta will now speak about windowless cockpits in full-sized aircraft at the General Meeting on **September 7th**. Marta is an aeronautical engineer and accomplished glider pilot, having competed at world championship level in international competitions. Our General Meetings commence at 7:30 pm



Balsa Bashing a Banzai Zero (part 1) - by John Jefferson

I admit it. I have an addiction; I'm addicted to building model aircraft. And of course the satisfaction of flying it once the cutting, sawing, gluing, covering etc. is finished.

After not having anything on my building board for almost two years it was definitely time to do something about it. That plus the fact my trusty eight year old P51 Mustang combat plane suffered the indignity of being hit by rising terra firma. It was terminal, too much damage to contemplate repairs.

So, which model to build? After a bit of thought I decided on a Mitsubishi Zero as my new World War II combat plane, having a set of plans for a scale A6M2 Zero in my workshop. First of all I contacted club member Bob McEwin to discuss getting a short kit as my starting point. Bob suggested a simpler plan available on the net (a semi scale A6M2 Zero) rather than my complex set, and he proceeded to cut a short kit for me, which was ready in a short space of time.



Now, the fun part; working out a logical build sequence taking into account where the fittings need to go. I started with the wings, using the traditional spar and rib construction technique. The plans were very simple, leaving it up to the builder to work out mounting points for the engine, fuel tank, servos etc. There were no hard-points for the undercarriage as it was supposed to be a hand launched model, but I included hardwood bearers for the main undercarriage legs. If you've previously built models the task is relatively easy as you already know the basics. The tail feathers were solid balsa sheet. Interestingly the plans did not have a rudder, only a solid fin; which I modified to include a rudder. This would simplify the attachment and operation of a tail wheel as well as enabling better manoeuvrability in the air.



The build proceeded slowly but surely. Being semi scale the fuselage was a simple box structure instead of a rounded cylindrical shape as per the real thing, although I did include a rounded top section to the fuselage. I also included a couple of hatches; one on the underside to access the elevator and rudder servos, and one on the top forward section of the fuselage to access the engine mount blind nuts, fuel tank, throttle servo, battery pack and receiver. Once again, these hatches were not in the plans; but I deemed them essential. Oh, and let's not forget the cockpit and pilot. I couldn't find a Japanese pilot in one eighth scale so I used a generic pilot from my parts bin, painting him in a greenish khaki flying suit and adding the Hinomaru (Japanese flag, red sun on a white background) to his helmet. The canopy was salvaged from my P51, which I painted with a framework to make it look somewhat similar to a Zero canopy.



The next thing to ponder was the cowling. The Zero was fitted with a Nakajima Sakae radial engine which obviously had a round cowling. How was I going to replicate a round cowling on essentially a box fuselage? I considered building one from ply and balsa; no, too complicated. Maybe I could find a plastic bowl in the supermarket, which could be cut to shape; no again as it would have been too heavy. Make one from a fibreglass mould; no, I don't have confidence in my fibreglassing skills. Hmm, let's look on the net and see if there are any replacement/spare parts that may fit. Looking at our sponsor Modelflight's website I found a replacement cowling for a Sukhoi 26 that seemed ideal for my purpose. Out with the credit card and a few days later it was delivered to my door. Yes, it would do. It was not quite the exact shape for a Zero but close enough. The lightweight plastic was easy to cut to shape and then all I had to do was paint it black (which by the way is one of my favourite songs from the sixties for those of you that remember those days).

Next job is the covering, followed by installation of the internals. Then the, hopefully successful, maiden flight. Watch this space.

"... Interestingly the plans did not have a rudder, only a solid fin; which I modified to include a rudder.... "



The Assassin Project

At the July General Meeting, Chris Flynn gave a presentation on the construction of an Assassin 39" flying wing. Chris's main interest in this aircraft arose from the idea of having a highly robust, easy-to-fly, low cost model that could be used as a Fun Fly aircraft in simple competitions. The design and construction technique yield a model that is almost indestructible. Accompanying videos showed the Assassin flying at full speed into a brick wall, being picked up and immediately launched again with no discernible damage.

There was sufficient interest in the model and the Fun Fly possibilities that a group of members placed a bulk order for 10 units. The total cost of the model is around \$120-130 plus receiver & battery.

Keep an eye out in the weeks to come for some brisk activity in the air when several Assassins take to the sky!

More information is available at www.crashtesthobby.com



Chris Flynn with his Assassin



Have You Renewed Your Membership?



Membership fees for 2018-19 were due by June 30th, so if you haven't yet renewed you are currently not permitted to fly at our field and are not covered by MAAA insurance.

Fees for 2018-19 are as follows:

Senior: \$313, Pensioner: \$283, Junior: \$89, Social: \$10, Associate: \$225.

Full details of the fee structure and payment options are available for viewing on our website:

www.holdfastmac.asn.au/membership-fees-fy2019/

If you have any queries about your renewal, please contact Geoff Haynes at:

treasurer@holdfastmac.asn.au



Club Flight Simulator

The Club recently purchased Phoenix Flight Simulator and installed it on the computer in the main Clubroom. This will be of help to new students who wish to hone their skills when the weather conditions are unsuitable for actual flying.



Geoff Haynes has tuned the Apprentice model to more realistically mimic the real aircraft, and has also generated scenery for the actual HMAAC flying field, so the simulation is even closer to reality. Instructors can teach students to fly on the simulator using a wireless instructor/student configuration with 2 Spektrum DX6e transmitters that have been configured specifically for this purpose. These transmitters can easily be switched between Mode 1 & Mode 2 to suit user preference. Instructions for use of the simulator and DX6e mode switching are kept on the computer desk.

Feel free to contact Geoff if you need more information about setup and use of the flight simulator. He is at the field on most Sundays.

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Newcomers to R/C modelling are catered for by setting aside every Sunday morning from 10 am when qualified instructors will teach all aspects required for the safe operation of the model. During the training period no other models are allowed to fly, ensuring the least possible distractions to the student.

UPCOMING EVENTS

- Sat July 21 - Instructor Refresher Class
- Wed Aug 1 - MASA Meeting
- Fri Aug 3 - HMAc AGM
- Sun Aug 5 - Pylon/Combat
- Wed Aug 15 - Committee Meeting
- Sun Sep 2 - Pylon/Combat
- Wed Sep 5 - MASA Meeting
- Fri Sep 7 - General Meeting
- Wed Sep 19 - Committee Meeting

Pylon & Combat Competition Results

June 3rd

Open class pylon

Tom Jacobsen (Noarlunga) 106
Pete Robertson (HMAc) 91
Graham Paterson (HMAc) 83

Standard class pylon

Les Mephram (HMAc) 64

Electric class pylon

Bob McEwin (HMAc) 62

WW I combat

No missions flown

WW II combat

No missions flown

July 1st

Open class pylon

Finn Kanck (Noarlunga) 80

Standard class pylon

Les Mephram (HMAc) 56

Electric class pylon

Greg Leigh (Noarlunga) 112
Craig Spratt (Connie) 99

WW I combat

No missions flown

WW II combat

No missions flown

*** AGM Reminder ***

Please make every effort to come to the Annual General Meeting on Friday August 3rd. We need a minimum of 10 current members with voting rights to conduct the meeting, so your attendance will be much appreciated.

The meeting commences at 7:30 pm and a light supper will be provided.

Instructor Roster (Aug - Sep)

Date	Instructor	Instructor	Assistant
JUL 29	John Jefferson	Luke Szarek	Ted Carter
AUG 5	Kingsley Neumann	Kim Whitburn	Geoff Haynes
AUG 12	Max Thomas	John Jefferson	Ted Carter
AUG 19	Luke Szarek	Kingsley Neumann	Geoff Haynes
AUG 26	Kim Whitburn	Max Thomas	Ted Carter
SEP 2	John Jefferson	Luke Szarek	Geoff Haynes
SEP 9	Kingsley Neumann	Kim Whitburn	Ted Carter
SEP 16	Max Thomas	John Jefferson	Geoff Haynes
SEP 23	Luke Szarek	Kingsley Neumann	Ted Carter
SEP 30	Kim Whitburn	Max Thomas	Geoff Haynes

The following instructors are often available and are invited to assist when they can:
Shawn Jones, Ian Cole, Ian Williams, Graham Paterson, Ashley West

The Club is fortunate to have a dedicated band of Instructors and Assistants who offer their services to learners almost every Sunday. We would like to have more people on the Roster to ease the workload. If you can help please speak up and we can arrange the necessary Instructor Course. Gold Wings standard is a prerequisite for all Instructors.