



HOLDFAST BUZZ

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modelflight RC

HMAC is Wingin' it!



Whilst the Summer hasn't been great flying weather, that still hasn't stopped people practicing, progressing with their flying and gaining flying achievements. Well done to all those who have got their wings in 2019/20.

Flying Achievements are on [page 6](#).

Inside this issue:

From the President	2
General Meetings	2
2019 Annual Awards	3
Let's Roll	4
From our Sponsor	5
Flying Achievements	6
Instructor Roster	6
New Members	6
Breaking News	6



Well done to **Phil Norwood** who has recently achieved the MAAA Instructor Rating. Good on you Phil!

The HMAC newsletter is your vehicle for sharing information, experiences, building projects, etc. with your fellow members. If you have photos of your latest model, a construction in progress or handy tip you'd like to share, please send it to Chris at buzz@holdfastmac.asn.au for inclusion in a future edition of BUZZ.



Kingsley Neumann

"...Ilan Faulkner... has been successful in obtaining a \$4000 Active Clubs grant from The City of Marion for installation of solar panels on top of the new shed ..."

From the President

Welcome to the new decade! It has been a hot and potentially dangerous start to summer. The field has been closed twice by DEW due to declared Catastrophic Fire days. We can of course fly on normal Fire Ban days if we wish but please be careful at all times in the fire season.

Our field has extensive scrubland on three boundaries and we must all be aware that fires can be accidentally started by model plane crashes at any time. To this end we now have fire extinguishers, a shovel and a fire blanket in the shelter at the flight line. If a fire is observed you may attempt to confine it but if in any doubt, especially in the adjacent Park, call the 000 emergency number on your mobile phone for assistance. Please be aware that it may not be possible to extinguish a burning LiPo battery with our basic equipment.

Thanks to some excellent work done by our tireless secretary, Ian Faulkner, the Club has been successful in obtaining a \$4000 Active Clubs grant from The City of Marion for installation of solar panels on top of the new shed. This should almost eliminate our annual electricity costs of around \$1000. Installation will begin as soon as possible.

In addition Ian has been successful in obtaining a \$3200 grant from the Federal Government's Stronger Communities scheme. This money has enabled us to purchase a new ride-on mower. The mower is ready to use and we are currently training a group of Members to use it safely. If you would like to become involved, please let Ian know.

The Annual Christmas Function was held at Club Marion in December. This comfortable venue was a nice change from the tight squeeze in our own Club rooms. The food was fine but we can improve the choices for next year and ensure that we have some nice Christmas decorations. The Committee appreciates the work done by our social supporters over many years. A full report of Award winners is elsewhere in this newsletter.

As reported in the previous issue, safety on the field will be actively monitored. We do not intend to have a witch hunt following every incident but we will commence building up a data base of the type of things that can go wrong in our hobby. The idea is to highlight potential problems and hopefully avoid ongoing incidents and accidents. This includes those silly little oversights that can cause an embarrassing moment, as well as major crashes. We do have a set of very sensible Club By Laws which are quite specific and all Members are encouraged to read them and must comply with them.

Our LIFT program has been very successful over nearly four years and has resulted in quite a number of new Bronze Wings graduates. We are now ready to start promoting our services again and we will place the Learn To Fly banners out on Sunday Mornings in an attempt to attract interested people. We are fortunate to have a very public area and visitors are often attracted to the viewing area. A friendly greeting and explanation of what we offer can be very useful. I like to think that we are a friendly Club. First impressions are lasting impressions and the more that we Members interact with people who have just dropped in for a look, the more chance we have of gaining new Members for the Club.

Kingsley Neumann

President

General Meetings

All members are welcome to join us for the following General meetings which are primarily social gatherings.

FEB 7 - Model Building - Terry Gold's projects updated including some scratch building. All member contributions welcome

MAR 6 - Aerobatics and MAAA Gold Wings Test by Ashley West and Horst Dahms



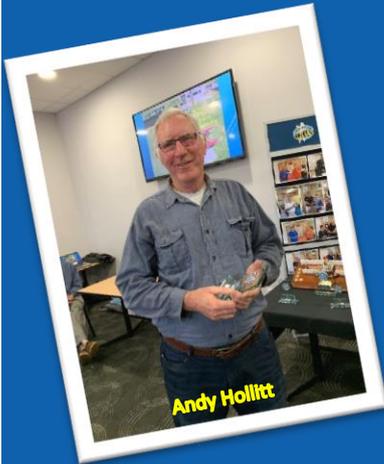


Holdfast Model Aero Club (Inc)

2019 Annual Awards

Flying Competitions 2019 Winners

Open Class Pylon	Peter Robertson	602 points
Standard Class Pylon	John Jefferson	372 points
Electric Pylon	Vin Pike	407 points
WW1 Combat	Barry Grivec	



A President's Appreciation Award for Dedicated Service to the Club was made to Karl Heberle. Karl has been very active in the Club since joining just a few years ago. He has worked diligently on many projects ranging from searching for water leaks to digging trenches and spending hours on the tractor mowing the field. His unfortunate accident with a propeller slowed him up a bit but he has now fully recovered.

machines. Kris is a steady and accurate flyer and he is supported by his dad, Waldek, who also joined the Club. Kris qualified first and his dad soon followed. They are both good flyers. I am impressed by Kris's steady approach and willingness to try different types of models. Most recently Kris attended the Pylon Racing day and has indicated that he would like to get involved in next year's competition. This is exactly how we would like to see our youngsters progress for the future of the Club.



A President's Appreciation Award for Dedicated Service to the Club was made to Andy Hollitt. Andy has been part of the scenery at Holdfast for many years. He is well known for his innovative approach to aeromodelling and is always at the cutting edge of new technology. Andy is a guy who is always thinking and trying to improve things. He has come up with all sorts of ideas including the HMAA Safety Tag system, the RC Car racing track, Drone racing and many others. More recently Andy has gained his valued MAAA Instructor rating and has embraced his Instructional duties with great enthusiasm. He has negotiated a couple of serious medical problems quite recently but I am pleased to say he is back on line again and I am and I am sure he is working on his next project. Andy also has a philanthropic side to his nature and recently donated a brand new Apprentice to the training fleet.

The Ross Lloyd Memorial Award for Outstanding Service to the Club was presented to Kim Whitburn. I was very pleased to announce that this prestigious award was made to our Chief Flying Instructor. Kim accepted the position of CFI with a very clear idea in his mind regarding the way that we should manage our LIFT Training scheme. We obviously had a great concept but we were being flooded with applicants and our band of Instructors was being worked to their limits. Kim set about controlling the length of flight times and recording the number of flights achieved. Club Instructors were introduced with the aim of registering more MAAA rated Instructors in the long term. Kim introduced mid-week sessions for some students and relieved the pressure on the Sunday morning group.



A President's Encouragement Award for Consistent Flying Training was presented to Kris Duda. Kris came to the Club about a year ago by the invitation of Ashley West from contact at the Aberfoyle Indoor group. Kris was doing well with the lightweight models and was keen to explore RC flying further. There was no problem with transitioning to larger heavier models and Ashley allowed Kris to fly his personal

Kim's cheerful personality and easy going but strict attitude earned immediate respect. And with Kim's background in electronics we soon had efficient charging systems and battery checking protocols. Kim is also an experienced aeromodeller and was able to execute quick repairs at the field and at home.

Kingsley Neumann

HMAC President





"...The aim of a nice axial roll is to have the model start and finish in the same line at the same height. The roll rate should be moderate so the complete manoeuvre is smooth and graceful ..."

Let's Roll by John Jefferson

Let's look at one of our basic aerobatic manoeuvres, the horizontal roll. There are rolls and there are *sort of rolls*.

The design of the model will generally dictate how well it can be rolled. For example, I have some mid-wing models without dihedral that are capable of nice axial rolls; and my old high-wing trainer with dihedral rolled in a slightly corkscrew fashion. I've even rolled my 2 metre span glider at a safe height but the result would be best described as a descending corkscrew, lots of height lost and not recommended.

The aim of a nice axial roll is to have the model start and finish in the same line at the same height. The roll rate should be moderate so the complete manoeuvre is smooth and graceful – this looks so much better than a fast and/or jerky roll. Some of you of my vintage may remember the air show displays put on by the RAAF's Mirage fighter which would demonstrate a slow roll, a four point hesitation roll (sometimes an eight point roll) and then a "twinkle" roll – a very fast series of multiple rolls. The slow and four point rolls were definitely smooth and graceful.

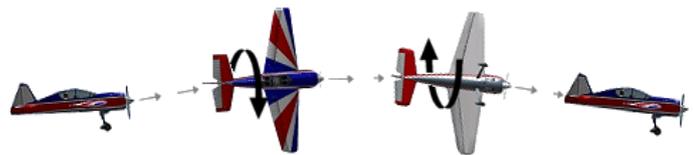
So how do we achieve that nice roll? It takes a bit more discipline to roll slowly than a fast roll where you just slam the aileron stick over. Let's assume you are flying a sport model, the procedure would be along the following lines:

- give yourself enough flying room and a safe height, preferably into wind;
- increase the airspeed, but it doesn't have to be flat out;
- apply a touch of up elevator so the nose points upwards a few degrees, return the elevator stick to neutral, start rolling – gently does it;
- when **inverted** apply a touch of **down** elevator to keep the nose slightly **up** (the amount of down elevator needed will depend on your model and flight conditions on the day);
- keep the model level when back to upright flight.

When you start rolling, keep the aileron input constant during the manoeuvre. If you roll too fast the elevator input will end up as a jab, resulting in a jerky flight line. Rock and roll is fine on the dance floor, but here we are focussing on the roll component. You'll also need to take into account the wind speed and direction so you don't get blown off course.

When you can fly a reasonable roll, practise two then three consecutive horizontal rolls into wind and downwind. This is one of the gold wings manoeuvres which you can easily achieve.

Once you have gained reasonable proficiency with your rolls, the next step would be to fly them a bit slower and use rudder when on knife edge, i.e. when the model is on its left side apply right rudder; and when on its right side apply left rudder ("top" rudder in both cases); and don't forget down elevator when inverted. When I was a learner one of my instructors called this series of control inputs "stirring the pot"; once you do it you can understand why.



When you get comfortable using the rudder, you'll be better placed to practise knife edge flight and four point hesitation rolls.

If you want to progress to an even more complex manoeuvre, try a rolling circle where you fly a circle while rolling at the same time. Give yourself plenty of height and keep the inputs smooth and gentle. Be warned; when you try this be ready to recover the model from any attitude as you can quickly get yourself in a mess. Think about your "bug out" escape plan before and during the attempt.

Get those thumbs working and give those rolls a go!



E-flite®



Carbon-Z Cub SS 2.1m



E-flite® scale airplanes are available in a wide variety of subjects and sizes, from vintage and classic parkflyers to modern-day giant-scale marvels. They all deliver unmatched flying experiences through accurate outlines and intricate surface details from panel lines to rivets and more, functional features often including lights and flaps — plus the advantages of exclusive Spektrum™ AS3X® and SAFE® Select technologies — to combine the distinct character of each model with incredible flight performance that makes it easy to enjoy the best scale experience possible.



Maule M-7 1.5m



Cirrus SR22T 1.5m



Cherokee 1.3m



PT-17 1.1m



Carbon-Z Cessna 150 2.1m



Clipped Wing Cub 1.2m

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**BEST
BRANDS
IN RC**

modelflight RC



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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.

Pylon & Combat Competition Results

Due to the Holiday season, no competitions were scheduled in December or January. Competitions resume on Sunday February 2nd.

UPCOMING EVENTS

- Sun Feb 2 - Pylon & Combat
- Wed Feb 5 - MASA Meeting
- Fri Feb 7 - General Meeting
- Sat Feb 8 – RC Sale (TBC)
- Wed Feb 19- Committee Meeting
- Sun Mar 1 - Pylon & Combat
- Wed Mar 4 - MASA Meeting
- Fri Mar 6 – General Meeting
- Wed Mar 18- Committee Meeting
- Wed Apr 1 – MASA Meeting
- Fri Apr 3 – General Meeting
- Sun Apr 5 – Pylon & Combat

Welcome!

We have a new member. Welcome to **Don Crago**. We hope you find being part of our club enjoyable and rewarding.

Flying Achievements

Award	Member	Instructors
MAAA Instructor	Phil Norwood	SFI
Silver	Terry Gold	Geoff Haynes
Bronze	Michael Hallsworth	Ian Faulkner, Trevor Smith
Bronze	John Paley	Geoff Haynes
Bronze	Waldek Duda	Kingsley Neumann, Kim Whitburn

BREAKING NEWS

The Club has been asked to assist with selling a large and modern collection of RC models and equipment from a deceased estate. The tentative date is Saturday Feb 8th. Short notice due to circumstances. The format will be similar to our recent Buy and Sell morning at the field with a sausage sizzle. Direct emails will be sent to HMAc by our Secretary and via MASA.

Instructor Roster (Feb-Apr)

Date	Instructor	Instructor	Instructor
JAN 26	Andy Hollitt	Kim Whitburn	Phil Norwood
FEB 2	John Jefferson	Geoff Haynes	Ian Faulkner
FEB 9	Kingsley Neumann	Kim Whitburn	John Muckalt
FEB 16	John Jefferson	Kim Whitburn	Phil Norwood
FEB 23	Geoff Haynes	Kingsley Neumann	Andy Hollitt
MAR 1	John Jefferson	Ian Faulkner	Kim Whitburn
MAR 8	Kingsley Neumann	Andy Hollitt	Geoff Haynes
MAR15	Kim Whitburn	John Jefferson	Phil Norwood
MAR 22	Kingsley Neumann	Ian Faulkner	John Muckalt
MAR 29	Andy Hollitt	Geoff Haynes	Kim Whitburn
APR 5	John Jefferson	Phil Norwood	Ian Faulkner
APR 12	EASTER SUNDAY	(No official rostered	Instructors)

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

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.

