

SEPTEMBER 2017

# NEWSLETTER



AMA member Trevor Gale with his recently completed SHOW CAT



Page 13 for all the details

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# Classifieds

## FOR SALE

Items are from the estate of Colin Reedman.

**Air Compressor** – Fragram Brand 2.5hp direct drive, 120l/m FAD, 50ltr receiver. Looks Brand New, no paperwork \$180.00 ono.

**Air Compressor** – Ingersoll Rand Brand, Charge Air Model WB100, 3/4hp direct drive, 25ltr receiver. \$80.00 ono.

**Band Saw** – Powerline Brand Model BBS-20 Mark II, 300mm from blade to frame, 100mm from table to frame, tilt table, 3 wheel type. Old unit that needs TLC. \$50.00 ono.

**Sheet Metal Folder** – Paramount Brand, New In Box. Size 610 x 1.0mm. Bench Top Model \$275.00 ono.

**VQ Pilatus Porter PC-6.** Wing span 2170mm. Length 1520mm. 90 2c – 120 4c, 20cc Gasoline. Swiss Version – red/white, radio 7 ch 7 – 8 servos. New in Box. \$350.00 ono.

**Model Plane** - ARC Carosel, Low wing, wing span 1700mm, length 1200mm, weight 3.5 – 3.8 kg, engine .58 - .65 2c, .70 - .91 4c, radio 4 – 5 ch. Has original instructions. Best offer.

**Model Plane** – Low wing, wing span 1500mm, length 1100mm. Balsa & Ply construction. Requires TLC. Best offer.

**RC AIROGRIP AIROPULT** – Plane restraining system. Restrains plane for starting & running, reducing the risk of injury. \$100.00 ono

**Folding Saw Horses** 2 sets (4 pcs) \$20.00/set ono

Please contact **Trevor Woolfitt** for more information etc. on **0402 815 957** or **t.woolfitt@bigpond.com**

There is more to come ARF's, Kits, Engines, Plans & Tools etc.

## Sale of Deceased Aero Modellers collection

### **Aircraft**, most with Rx and servos

Engine Super Tigre In-line twin 60cc 2st glo Italian build \$600

Aircraft MX-2 Aerobatic 84" Span with Webra Bully 35cc glo \$400

Turbo Raven 84" Span with GF 38 4st petrol \$400

Giles Aerobatic 84" Span with Webra Bully 35cc glo \$400

Red Bull Extra 300 DLE petrol 20 cc? \$400

Zlin Aerobatic 70" span glo \$350

Mustang P-51B 72" span with Saito 125 4st 23cc scale wood airframe with air retracts \$400

Go Discover flying wing EP with nose camera and video Tx. \$300

Grumman F3F 47" scale bi-plane with Webra 10 cc glo \$350

Piper Cub (Sig kit) 84" complete covered white airframe only \$300

Shadow scale drone EP pusher twin tail trike gear 70" span?

### **Part complete wooden airframes**

Tiger Moth 72" span

Stampe SV4 72" (aerobatic, developed from Tiger Moth)

**Radios**

Hitek Aurora 9 \$450  
Devo F12E Drone specific Tx unused

**Boxed Kits Wooden kits**

Beachcraft Baron 58 twin \$200  
Marutaka Beachcraft Staggerwing 1.4M span \$200  
Marutaka Bearcat 1.5M span \$200

**Drones**

collection of 3 to 6 rotor types

**Sundries**

Gliders, EP, foam jets, scale EP piston, boats and accessories

All prices ONO.

Also for private sale is a very well-equipped Toyota Land Cruiser and Matching Camper.

Phone **Carole** on **0412 784 596** during business hours only for details

# SUPERCHEAP HOBBIES

Shop 3 / 2 Old Coach Rd

Aldinga Beach

**Ph: 08 8311 1151**

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

Supercheap Hobbies is proud to support model aeromodelling in South Australia, our range of products and accessories is growing each month. Just some of our brands below



# **Ringmaster Fly-A-Thon 2017**



**South Hummocks Model Aero club**  
is participating in the 10th Annual Fly-A-Thon event:

**September 30th & October 1st, 2017**

*Matt Kania's beloved Ringmaster control line model has been built and flown by more modelers than any other control line model aeroplane!*

**This is not a contest!** No registration is required. There are no entry fees or prizes! This Fly-A-Thon is to *honor* the most popular CL model ever!! Be part of something big and help make history by having more worldwide Ringmaster flights in a single weekend than last year's record of **3928** flights!

A record **694** different pilots participated!!

**This event is open to All MAAA members.**

**We have permission from the The Brotherhood of the Ring to fly one week early due to the dates of the Long Weekend.**

We challenge you to fly with us any of the many varieties of Ringmasters.

## **Location: SHMAC Field**

Cnr Gulfview Rd and Almond Tree Rd, South Hummocks

**Any Ringmaster variant can be flown. We will be reporting the number of Ringmaster flights, pilots, different Ringmasters flown and location.**

**If a new pilot gets to solo on a Ringmaster, that first flight will count as 2 flights!**

**\*NEW RULE - You must fly at least 5 laps to be able to claim a flight\***

***Let's keep the spirit of C/L alive!***

**Ok everyone! Just dig that old dusty Ringmaster from your shed and come fly it with us!**

*The results will be compiled and published by the **Brotherhood of the Ring.***  
All questions should be directed to Ned Kelly.

email: [wjkelly2@bigpond.com](mailto:wjkelly2@bigpond.com)





August has seen atrocious weather conditions with little decent flying weather.

*Chip Fryer Gold Wing Test*



The new chip fryer has enjoyed more usage than any modellers' planes. The recent acquisition has seen a step up in culinary options. A recent Sunday that was a complete blow and wash out still saw 17 members enjoy fish and chips. From the attached photo, the MAAA and MASA President Neil Tank can be seen overseeing the maiden flight/cook of the fryer, we trust it was granted gold wing status on the spot.

Sean Jacobsen has done our club and state proud being part of the Australian Pylon Racing team who won the recent Teams World Championship. We look forward to a detailed report from Shaun once he returns. Shaun, Jarrod and Tom have extended their trip into a European Vacation with several stopovers including Amsterdam. Fancy letting these three loose in places like that?

There are a few new planes on the building boards. Rob Tuckwell has a large Giant Super Sportster, Wingspan 82", Length 72" about a 120 size, main landing gear

relocated to fuselage rather than in the wings, aircraft grade 4 mm aluminium main gear, OS160 2 stroke up the front. Rob sadly lost one of his Stick aircraft a few weeks ago, the right-hand turn from base to final saw the plane just keep rolling right. (Good to report that Rob "Hop Harrigan" Tuckwell has flown the big Sportstar.)



*Rob Tuckwell's Giant Super Sportster*

Peter Readett is making advances on his Kingfisher, all the flying surfaces are nearly complete and the internals of the fuselage are being glassed in. Still hasn't decided what to power it with. Is about a 120 size so considering a small petrol or even an electric setup.



*Peter Readett Kingfisher under construction*

The clubs planning is in full swings for our annual Military and Civil Scale day. Members assistance is needed for all tasks on the day so please let the Committee know how you can assist. A list of jobs and chores will be posted In the clubrooms soon.

More importantly we need lots of aircraft to make the day a success. So either finish your building or blow the cob webs off you scale and military models and start getting in some flights so your plane is ready in November. The club also greatly appreciates members from all other MASA clubs who can attend on the day and enjoy our facilities and a great days flying.

September, spring is trying desperately to break and we have had some great flying days amongst some wet and windy ones. The field is lovely and green, our kangaroo flock have plenty to eat and there are some new and old faces emerging and re-emerging and enjoying some great aviating.

If all our new trainees attended together we would apparently have 11 students. Fortunately they are arriving in 2's and 3's so the instructors can cope with the load. The keenest students arrive nice and early on Sunday mornings and are ready for take-off at 10am.

Several of our members have played a major role in the Drone racing at this year's Royal Show. Brett Oakley was Flight Line Supervisor and Paul Kumela and Neil Tank shared Competition Director Duties. It was a big commitment every day for the entire show. It was fantastic to see how this came together every day. The weather wasn't great but improved for the State finals and International Cup event. Great exposure for the hobby/sport.

Our esteemed Life Member/ ex-President/MASA President and MAAA President Neil Tank was recently at an International FAI Drone Conference in Switzerland representing MAAA and was awarded an International Award, the FAI Diploma for recognition to Model Aerospports in Australia, presented by the FAI President. What a proud and well-deserved award and congratulations from all the Noarlunga members.



*Rob Tuckwell with his Giant Super Sportster*

The Fugly Flies! You may recall a month ago we reported on this interesting "contraption". Well John has made some mods at the front, extending the nose, pushing the engine (108) forward and she now flies a treat, looks all wrong but often these different machines create good interest and appeal. Goodness knows where John's imagination and creativity will lead to, stay tuned.



*MAAA President Neil Tank being awarded his FAI Diploma by the FAI President.*

Web Site [nmas.info](http://nmas.info). and check us out on





# **Thunder In The Valley**

## **RC Jet Meet**

**22nd—24th September 2017 at the Barossa  
Valley Model Aero Club**



Come to the Barossa Valley Club and enjoy a weekend of flying off our 175meter grass runway with fantastic views of the Barossa Hills. We have 2 hangers for models overnight storage and food and drinks available.

Entry fee is \$50 per pilot which covers you for lunch all 3 days and \$30 for helpers. Accommodation is available close to the field in the local towns of Tanunda and Nuriootpa.

For more details and Accommodation please call  
Stuart Ratsch on 0415 600 442

# South Hummocks Model Aero Club



Hi all, well what a month it was for our members, with lots of work around the club to get it ready for the June Long weekend. A big thank you to all who put in the extra time to get the club looking great for the weekend. And what a weekend it was, with the weather playing ball, a great turn out of members and different planes. The weekend saw all manner of aircraft take to the air, with the "Control Line" boys getting in some practice for the upcoming "Ring Master" event.

We also held our AGM this weekend and had a great turn out. Thanks to all who attended and those that took positions!

All up a great weekend was had by all that attended

Next year (2018) we will be hosting an event to coincide with the 100th Anniversary of the end of WW1 South Hummocks MAC in conjunction with the Scale Aircraft Society of SA's "Dawn Patrol" on Armistice day 11-11-2018

So check the flyer out in this mag with all the info, get building if you don't have anything to fly and put it in your diaries, as this will be a great weekend away and should see some great WW1 planes take to the sky's.

Cheers ChuckT





## Oily Hand Diesel Day out at Cowra MAC

The twelfth Oily Hand Diesel day out at Cowra MAC has come and gone for another year. As usual the weather and the action at the field was perfect. What else would you expect from one of the events on the aeromodelling calendar that should not be missed. Alan Wooster and Brett Butler made the 2,000km trip down from Hervey Bay just so they didn't miss out. They were joined by another seventy one happy aeromodellers to make the best attended OHDD to date.

This year was a memorial to David Owen who did so much for traditional aeromodelling and model aircraft engines in Australia. The event featured not only many of the engines he supplied, built and repaired, but also two of the model aircraft he designed. These, the Fli-Bi and the Magnum, featured as models of the meet.

Fli-Bi is a 22" free flight biplane and in all twenty nine turned up at Oily Hand. They were powered by a variety of diesels from the newly released Redfin Millish .5cc to an original 1948 Mills P75. Most of the Fli-Bi's were in the original F/F format, but some had radio assist and others were scaled up somewhat.



Fli-Biers with their Fli-Bis

Magnum is a 36" control line model originally designed for triathlon events, but doubles as a competent sport aerobatic model. Twenty one builders turned up with their Magnums. Some of which were fitted with the Owen Engines T2.5 diesel. The Owen T2.5 is a reproduction of the 1958 Taipan 2.5 which David did a production run of in the few years prior to his passing. A fine engine for a fine flying model.



A gaggle of Magnums

The concours de elegance for both the Fli-Bi and the Magnum were won by Andrew Linwood with Dave Bailey and Reg Towell close on his heels. The neatness and precision of these builders is awe inspiring.

None of the Magnums were entered in the Plank Racing event. Perhaps their builders wanted them to fly another day as Plank Racing can lead to model attrition. Anyrate both Traditional Cowra Plank and Super Plank were won by Maris Dislers who had ventured up from SA to show how it is done.

Maris also won the inaugural 'Abomination Mass Launch'. His Cox 049 powered Oily Bird disappeared from view after 6min and 5sec. Not to worry, Maris had a tracker on board and once Roy Somersby showed him how to use the antenna he was able to find it a couple of paddocks away.

What is this Abomination stuff anyway?

Well, all aeromodellers become late at sometime, and such was the case with Big Kev Davies. The thing about Kev was that he was an incurable model engine collector, but also a blue blooded free flight scale modeller. Any model which was not scale was, in Kev's eyes, an abomination. So we have been left with Kev's legacy of one-eyedness and engines to deal with. So, why not an event where you have to make an 'abomination' fly for the longest time and win a nice diesel engine for your efforts. This year Maris won a limited edition PAW Millenium Special. Next year he is competing, along with a host of keen rivals, for a Benno Schlosser 0.25cc, the jewel in the crown of small diesel engines.

If you wanted you could come next year on the weekend of 25<sup>th</sup>/26<sup>th</sup> August and have a crack at winning that Schlosser too!

A good turn up from the SAMS fraternity competed for the radio assist Cabin Scramble late Saturday arvo to be beaten by Condo Smith who achieved a credible 23min 58sec in the allotted half hour. Cabin Scramble requires a model designed before 1960 such as Vic Smeed's ubiquitous 'Tomboy' and powered by a diesel (or reproduction) from the era of less than 1cc.





Some of the line-up for SAMS Cabin scramble

After four years of trying, at long last Craig Thorton from Parkes won the David Owen Memorial Free Flight Scramble with his 'Sniffer' and took home that beautiful David Owen Memorial Oily Hand Day trophy and an Oily Hand Day tee shirt. Craig doesn't drink so the nice bottle of red lived to see another day.



Geoff Potter with his big Easy Bee. Diesel power of course.



If after all that you are still in the dark about what Oily Hand is about you had better go to [cowramac.asn.au](http://cowramac.asn.au) where you will find the full report, more photos and links to video to find out. You will also find the information about the models of the meet for 2018.

See you next year at Cowra MAC's "Milroy" field with your bottle diesel in your oily hand.

Andy Lockett  
Cowra MAC OHDD co-ordinator.



## Adelaide Aeromodellers Club

# 2017 Event Calendar

- August 12<sup>th</sup> - Classic Stunt, AAC Unley Rd.
- August 19<sup>th</sup> and 20<sup>th</sup> - Whyalla Show CL Competition;  
Classic Stunt, Slow Combat, Grass Rat Race (Whyalla 500 Lap Final)
- September 2<sup>nd</sup> - Grass Rat Race, AAC Unley Rd.
- September 10<sup>th</sup> (Sun) - F1D Indoor FF Team Trail, Parafield Gdns Rec Ctr.
- Sept. 30<sup>th</sup>, Oct 1<sup>st</sup> and 2<sup>nd</sup> (LWE) - World Wide Ringmaster Flython, SHMAC  
(Note bad weather date for this event is Saturday October 7<sup>th</sup> at AAC)
- October 21<sup>st</sup> - Handicap F2B, AAC Unley Rd.
- November 4<sup>th</sup> - Club Combat, AAC Unley Rd.
- December 2<sup>nd</sup> - Peacemaker, FliteStreak, Ringmaster Stunt, AAC Unley Rd

### Notes:

1. Start time of events and other detail will be advised in event 'flyer'.
2. All entrants must be MASA / MAAA members with a valid membership card.
3. Safety straps required on all handles in all events.
4. Mufflers mandatory on all glow motors 2.5cc and above when event at AAC
5. MASA noise limit (96 dB) applies to all motors when event is held at AAC.
6. Separate event notice will be issued for all AAC events.

## Trevor Gale's SHOW CAT

The test flights are all done. It fly's like a big trainer and sounds awesome in flight.



37 kg flying weight

120" wingspan

JR DSX 12 Radio

Hi-tech5765 servos.

Evo 7 cyl 260 engine.

Spectrum cockpit 12 power box.

Construction is All balsa- ply- spruce- Tessie oak-some aluminum for struts @ wing joiners.

7" custom air flight wheels

Has landing lights+ nav lights fitted.

1 lt fuel tank

1/2 lt smoke tank.

Hobby King covering.

Acrylic paint+ clear coat.

Carries 7 batteries to power all the on-board systems.

Trev.

# 2nd Annual Australian F5J Trophy



The Australian perpetual F5J trophy 2nd annual event is to be held at the NAAS field near Canberra  
Presented by the AEFA in conjunction with the NAAS Club

## Two days of flying 4-5 November 2017 Two classes - Open F5J and Limited F5J



**Dave's Toys  
for Big Boys  
Open F5J  
Trophy**  
up to 4.0m class



**Modelflight  
Limited F5J  
Trophy**  
up to 2.6m class

**First prize:**  
30A or 40A Power Supply  
- winner chooses  
[www.hyperionaustralia.com.au](http://www.hyperionaustralia.com.au)



**First prize:**  
Ultra Power AC400 Duo  
Charger  
[www.modelflight.com.au](http://www.modelflight.com.au)



### Other Sponsors:

Dave's Toys and Modelflight will also donate items  
[flyelectric.com](http://flyelectric.com)      [www.flyelectric.com](http://www.flyelectric.com)  
[Sky Soaring Robots](http://skysoaringrobots.com)      [www.skyrob.com](http://www.skyrob.com)  
 AEFA      [www.aefanet.com](http://www.aefanet.com)

### Product types distributed to Participants:

Electric Motors	LiPo Batteries
Battery Checkers	Folding prop blades
Prop adapters	Speed Controllers
Servos	Spinners

**Special Feature:** Seminars by the F5J team that competed in Slovakia. Learn about how they do it overseas and prepare for the World Championships

Pre-registration required - Entries close 28 October - see the AEFA web site for a registration form:

**[www.aefanet.com](http://www.aefanet.com)**

Prizes for placegetters - and a give-away of products by draw from the hat - \$50 entry fee  
 Data loggers available for loan - just bring your electric glider. Food available on the field.  
 Enjoy the great NAAS site - camping permitted \$15 per night - toilets and shower provided.





## 20<sup>th</sup> Anniversary- Adelaide Golden Era Air Races 17<sup>th</sup> to 19<sup>th</sup> November 2017

From: Adelaide Golden Era Air Races,  
A Sub Committee of Model Aero Sport SA Inc  
Ph (08) 83320589. E-mail [pleaney@bigpond.net.au](mailto:pleaney@bigpond.net.au)

Model Aero Sport SA Inc will host the 2017 Golden Era Races from Friday the 17<sup>th</sup> of November to Sunday the 19<sup>th</sup> of November. The venue will be the Constellation MFC at 338 Brooks road, Waterloo Corner.

You are invited to compete. **Please note** an entry will only be accepted on receipt of a complete and signed entry form and the required fee. Please note entries to be sent to Peter Leaney and entry fees to the MASA Treasurer as detailed on the form.

Five classes of racers will be flown GOLDEN ERA Inline, GOLDEN ERA Radial, RENO, FORMULA 1 and AT-6. **There will be close scrutiny of models to enforce construction rules, if you have any doubts or questions please do not hesitate to contact the committee for clarification.**

Complete rules for 2017 are available on the following web sites, [www.masa.org.au](http://www.masa.org.au) and [www.cmfc.asn.au](http://www.cmfc.asn.au).

Pilots (or team entry) may enter up to 5 classes; there is a flat \$60 entry fee which covers all classes entered. Reserve models may be used and are not required to be of the same design but must be processed.

This year's Leo O'Reilly Memorial Concours Trophy will be presented to the team with the best combination of period dress and model presentation. A diorama or photographic display depicting your aircraft in its normal operating environment would attract the judge's attention. Judging will occur during normal racing from Saturday to Sunday and the winner announced at the award ceremony on Sunday. Here is a site to give you some ideas <https://en.wikipedia.org/wiki/Diorama>

**Pilots must have MAAA Gold Wings endorsement and all aircraft irrespective of weight must have a "Permit to Fly", valid at least 21 days before the event. Entrants will be required to make a declaration that they have flown the aircraft for at least 6 flights before the event.**

Please complete and return the enclosed application form. It is important for our records that you record your MAAA number on the application. Please confirm your email address to assist with keeping you up to date with notices.



RETURN ENTRIES TO:

Adelaide Golden Era Air Races  
Peter Leaney  
9a Alexandra Ave  
Magill SA 5072

or email to [pleaney@bigpond.net.au](mailto:pleaney@bigpond.net.au)

ENTRANTS NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_ POSTCODE \_\_\_\_\_ Phone \_\_\_\_\_

MAAA No. \_\_\_\_\_ email \_\_\_\_\_

I wish to enter the **Golden Era Inline / Golden Era Radial / RENO / AT-6 / Formula1/**  
(Circle requirements)

MODEL \_\_\_\_\_ Engine: - \_\_\_\_\_ Frequency \_\_\_\_\_

MODEL \_\_\_\_\_ Engine: - \_\_\_\_\_ Frequency \_\_\_\_\_

MODEL \_\_\_\_\_ Engine: - \_\_\_\_\_ Frequency \_\_\_\_\_

MODEL \_\_\_\_\_ Engine: - \_\_\_\_\_ Frequency \_\_\_\_\_

MODEL \_\_\_\_\_ Engine: - \_\_\_\_\_ Frequency \_\_\_\_\_

I, \_\_\_\_\_ the undersigned accept the invitation to enter the  
Races in 2017, and agree to abide by the general rules, class rules, the MAAA code of conduct  
and the field procedures of the Constellation Model Flying Club.

(Signed) \_\_\_\_\_

Entry Fee flat \$60 covers all classes entered.  
Please indicate payment method

Cheque or Postal Order payable to: MASA and sent to,  
MASA Treasurer  
c/o Garry Oakley  
320 McMurtrie Rd  
McLaren Vale SA 5171

EFT- Model Aero Sport SA BSB 035213 Account 326813

Please make sure to add in the 'description' your name and **GE**.

## Some wiring tips and suggestions for Model Aircraft

The scope of this document is to pass on some ideas and suggestions for model aircraft lead installation that I have been incorporating into my models when installing servos, receivers, batteries, switches and other electronic components.

There are many ways in which wiring can be installed into a model aircraft.

The following are some ideas only.

It is important to note that an IC model aircraft presents a harsh vibration environment when the IC engine is running. This has the potential to reduce the life of leads by vibration if they are not properly secured. Vibration can also cause leads to rub against model surfaces damaging the lead insulation.

### Securing Cables & Leads in a Model

It is therefore important that cables and leads are suitably secured within the model to ensure that any movement of the leads caused by vibration does not damage them or reduce their operational life. (See Figure 1)

Figure 1



It is also important that cables and leads have good strain relief at the lead connector ends. That is to say that leads are not stretched tight and that the leads at connector ends and equipment ends have some freedom of movement. (See Figure 2 & 3)

Figure 2



Figure 3



Along with strain relief, leads, cables, and cable looms can be secured to the model using plastic cable anchors or other devices (See Figure 4 & 5) along with cable ties at intervals in the model.



Figure 4



Figure 5



Leads can be held together as a loom using suitable plastic cable ties. This provides for tidy, safe lead installations and ensures that any loose leads do not vibrate excessively and/or get caught around moving parts of servos etc.

It is preferable although not necessary that when running your leads along the fuselage that D.C. power leads are run and secured separately to signal carrying leads.

Using twisted leads provides a modicum of electrical screening against interference as opposed to untwisted leads although the RC aircraft control systems used today have excellent noise immunity.

### Protection of leads

Aileron & Flap servo leads passing through wing structures can be protected within the wing structure by passing the leads through some form of tubing (cardboard etc) which can be built into the wing during wing construction.

If the model is an ARF then some form of flexible expandable plastic sleeving placed over the servo leads can be used to protect the leads passing through the wing and other structures.

Where leads may rub against the model structure and cause insulation damage then fuel line split down one side can be used as a grommet and fitted to the assembly structure where required to protect leads as shown in Figure 6.

Figure 6



### Extending Servo Leads

If extension leads are required to be used to extend the length of servo leads then the connectors of the leads should be secured to ensure that connectors do not disconnect in flight. Plastic connector locks such as shown in Figure 7 or heat-shrink can also be used if the extension to the lead is to be permanent.

Figure 7



You can also extend leads to the length required using solder joints.

If you are wanting to solder leads together then the following procedure may be of assistance.

- Firstly you need to strip the insulation from the wire end (as shown in Fig 9), ensuring that when you do so that you do not damage any conductor strands.

• Strip strands together with other wire



Figure 9

about 7-10mm of insulation and then twist conductor and pre-solder the exposed conductor. Repeat to be soldered.

- Cut a length of appropriate sized heatshrink about 4-5 times the length of exposed solder joint and slide over one of

• Using a into a U shape

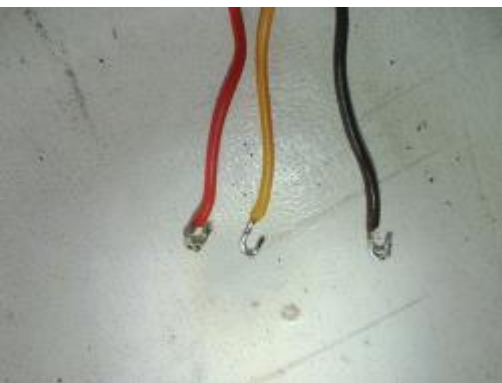


Figure 10

pair of round nosed pliers bend each exposed conductor (as shown in Fig 10)

- Cut a length of appropriate sized heatshrink about 4-5 times the length of exposed solder joint and slide over one of the

11).

• Next sol-



Figure 11

Using normal pliers then squeeze each U lead together (as shown in Fig 11).  
Solder the joints together.

- The solder joint can now be covered with the heatshrink and using a heat gun the heatshrink can then be shrunk onto the solder joint insulating it.  
(as shown in Fig 12 & 13).

Figure 12

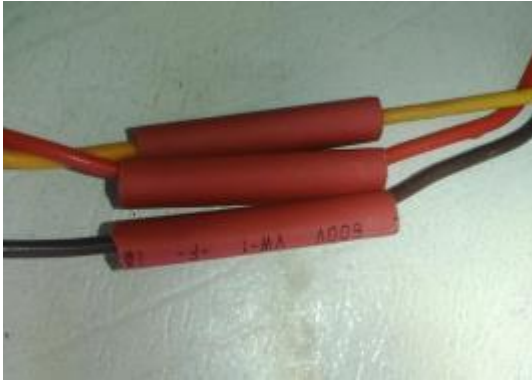


Figure 13



## Note

Some of the wiring suggestions mentioned are far easier to incorporate into larger models than they are into smaller models.

Also lack of access to certain sections of the model aircraft may make it difficult to incorporate some of these ideas.

All of these wiring tips are suggestions only and may not be of use to all.

John Marcuzzi



# Whyalla Show Control Line Competition August 19<sup>th</sup> and 20<sup>th</sup> 2017

The weather in August can be fickle but this year's event fortunately coincided with a small window of good weather resulting in excellent conditions all day Saturday. The Show Ground oval was in tip top condition thanks to Whyalla MAC members Brenton Thomas, Mark Poschkens and Jeff Fell who put in a big effort to run this event each year. The program was somewhat compressed due to a poor Sunday weather forecast, which eventuated, so Saturday was a long but enjoyable day.

## Classic Stunt;

Only one round was run, entrants flying either in the morning or afternoon to fit in with the Whyalla 500 Rat Race and Combat events. Mark Ellins flew a smooth pattern, enhanced by the classic purr of his ST46. Peter Anglberger's Ringmaster could not quite match Mark's precision, but he had some fun trying. Rob Fitzgerald flew Murray Wilsons electric P40 profile. It was his first flight ever with the model. Had he had a practice flight, the likely outcome would have been Peter being relegated to 3rd place! Murray could not quite match Rob's performance with the same model with some errors in high K factor manoeuvres. Greg Roadknight's Flite Streak is a capable model but over running the 7 minute time limit resulted in no landing points handicapping his score. Mark Poschkens had bad luck with his OS LA 40 motor, it cut out before he could complete the final 3<sup>rd</sup> of the pattern. Time for a new needle valve Mark! Thanks to Judges Jeff Fell, Greg Roadknight and Peter Anglberger. You may be wondering how judges are able to fly in the event. The answer is simple, the judges scores were averaged so when a judge flew his score was the average of two rather than 3 judges' score.



**Classic Stunt Results:**

Place	Entrant	Score	Model	Motor
1	Mark Ellins	581.5	Brodak P40 ARF	Super Tigre 46
2	Peter Anglberger	541	Ringmaster S1	OS FP 20
3	Rob Fitzgerald	539.5	Brodak P40 ARF	Electric
4	Murray Wilson	492	Brodak P40 ARF	Electric
5	Greg Roadknight	420.25	Flite Streak	OS LA25
6	Mark Poschkens	281.5	Pricerite Ozone	OS LA40

## Combat;

This was run as a single elimination with Sunday's poor weather forecast in mind. Many competitors had problems with motor runs at some point except Peter's Fora Junior and Greg Nelsons new Russian Master 2.5D with Greg's own 3.5 mm ID acetal venturi. The redesigned Foras are excellent entry level Combat and Diesel Goodyear motors priced around \$150 Australian, available from Tim Hobbins ( ref Barton Forum0) / Techno Hobby West. There was a variety of equipment used ranging from Coreflute models, Vintage Ironmongers, 80s foamies powered by period F2D motors, modern 1/2A and F2E ARFs powered by the aforementioned Foras. Murray Wilson had the misfortune of forgetting to tie on a streamer before the final, having to land and fit one to avoid a DQ. He lost valuable airtime and went all out in the last part but had the misfortune to concede two cuts before line tangle in the final 30 seconds saw Peter unable to become airborne, but ultimately win the bout.

## Combat Results;

Place	Entrant	R1	R2	Final
1	Peter Anglberger	W	W	W (1 <sup>st</sup> / 2 <sup>nd</sup> place final)
2	Murray Wilson	W	W	L (1 <sup>st</sup> / 2 <sup>nd</sup> place final)
3	Rob Fitzgerald	W	L	W (3 <sup>rd</sup> / 4 <sup>th</sup> place final)
4	Greg Nelson	W	L	L (3 <sup>rd</sup> / 4 <sup>th</sup> place final)
=5	Neil Baker	L		
=5	Mark Ellins	L		



*'Enthralled spectators'*

*Well at least one of them is semi enthralled*



*Peter Anglberger and Rob Fitzgerald.*





**Whyalla 500 Rat Race:**

After running 100 lap qualifying heats it was decided to give everyone a go at a 500 lap final so A and B '3 up' finals were scheduled to give everyone a chance to win the coveted '500'.

The B final was run first. Greg Nelson and Robin Gilbert ran a very steady race to win comfortably and take 3<sup>rd</sup> place overall. Mark Poschkens MVVS had ingested dirt in the qualifying heat and became more difficult to start with each pit stop. Once back in the air the motor ran very well despite being on the verge of overheating. Brenton Thomas and Allan Morris found their fuel line had a small split forcing them to retire at 366 laps.

The A final saw spirited flying by Murray and Rob. Allan Morris' Mr. D broke a line on take off after a pit stop at 254 laps. It landed out of control well inside the circle, fortunately causing no hazard but ending their race. Murrays OS FP15 must have a superb piston / liner fit. It's hot restarts were outstanding for a 'sport' motor. The racing appeared very close, but in the end Murray / Mark finished the 500 laps 98 seconds ahead of Rob and Neil.



Place	Team	Laps	Time	Model	Motor
1	Murray Wilson / Mark Ellins (A)	500	23' 51"	OD Rat	OS FP15 Glow
2	Rob Fitzgerald / Neil Baker (A)	500	25' 29"	OI Blue Goodyear	Rossi 15D
3	Greg Nelson / Robin Gilbert (B)	500	32 '22"	OD Rat	Oliver Tiger M3
4	M Poschkens / P Anglberger (B)	500	36 '01"	OD Rat	MVVS 2.5D
5	Brenton Thomas / Alan Morris	366	DNF	OD Rat	MVVS 2.5D
6	Alan Morris / Greg Nelson Mr. D Goodyear	254	DNF	Parra Gold 2.5D	

**Motor**  
OS FP15 Glow  
Rossi 15D  
Oliver Tiger M3  
MVVS 2.5D  
MVVS 2.5D



A special thank you to Greg Nelson who donated bottles of premium Orlando wine for the winners of each event. Winner of this year's Ron Templar Memorial Award was Peter Anglberger who won, I think, because he did not sit down all day. As well as a trophy and a plate on the memorial shield, Whyalla MAC donated an lovely RC ARF Pilatus kit so it may well be that some 'dark side' flying instruction will be required.





## Whyalla Show.



## **Naracoorte Model Aero Club** **Fun Fly** **11<sup>th</sup> + 12<sup>th</sup> November 2017**

Our club is 50 years old, come and join us to celebrate.

- We have a large flat open area with a mown grass strip suitable for most types of aircraft.
- Naracoorte has many accommodation options.
- Got a van, tent or swag, you are welcome to camp on site.
- Catering available both days, with our fantastic Roast Dinner on Saturday night.
- MAAA card to be sighted on registration.

For more information

Email: [naracoorte.model.aero.club@outlook.com](mailto:naracoorte.model.aero.club@outlook.com)

Or Call:-  
Matthew Dunstan  
President  
Ph: 0419 852 413

Matthew Hoskings  
Secretary  
Ph: 0417 626 375

 We are now on Facebook: Naracoorte Modellers





# Dawn Patrol



*South Hummocks MAC  
11 November 2018*



*At the Eleventh hour  
On the Eleventh day  
Of the Eleventh month  
1918*

*The Armistice was signed and World War 1 was over.*



*At the Eleventh hour  
On the Eleventh day  
Of the Eleventh month  
2018*

*The South Hummocks MAC in conjunction with the  
Scale Aircraft Society of South Australia and Model Aerospots South  
Australia will be commemorating the  
100<sup>th</sup> Anniversary of this historic event by inviting all MAAA members to  
participate in a*

## Dawn Patrol

**We are in the early planning stages at the moment but if you think you might be interested in attending, dates 10-11 November 2018, please email me at [wjkelly2@bigpond.com](mailto:wjkelly2@bigpond.com) As things are finalised more info will be posted.**

**Noarlunga Model Aero Sports**  
**Military & Civil**  
**Scale Flying Day**



- **Public display day. Come along as a pilot or spectator**
- **Free entry for all pilots**
- **Awards for Military Master, Pilots Choice, Civil Scale, Junior Encouragement & MASA Encouragement**
- **Open to all Bronze, Silver & Gold Wings pilots with current MAAA card**
- **Further info - email [secretary@nmas.info](mailto:secretary@nmas.info)**



**Sunday 26th November**  
**Clisby Lane, Seaford Meadows**  
**10am - 3pm. Drinks & BBQ**

**[www.nmas.info](http://www.nmas.info)**

## **MINUTES OF THE MANAGEMENT COMMITTEE OF MASA INC**

**Held on 6<sup>th</sup> September 2017 at The Restless Dance Theatre Meeting Room**

**Meeting opened by the Vice President at 19.30 Hrs**

PRESENT: President, Vice President, Secretary, Treasurer, Adelaide Aero Modellers [AAC], Adelaide Model Aero Sport [AMA], Adelaide FPV Racing [AFPVR], Barossa [BVMAC], Concorde [CMFC], Constellation [CMFC], Helicopter [SARCH], Holdfast [HMAC], Goolwa Indoor Model Flyers Club [GIMFC], Indoor Flyers [SAIF], Moonta [MMAC], Newsletter Editor, Noarlunga [NMAS], Old Timer [OT], Onkaparinga Radio Aero Modellers [ORAM, Pt Lincoln [PLMAC], Pylon [SAMPRO], Scale Society [SASOSA], Skyhawks [SA], South Coast [SCMAS], South Hummocks [SHMAC],  
Southern Soaring League [SSL], Strathalbyn [SMAC]

VISITORS: Nil

APOLOGIES: President, Secretary, AFPVR, AMA, Newsletter Editor, Skyhawks.

### Minutes of previous meeting

It was moved SMAC seconded Pylon that the minutes of the previous meeting be accepted.  
Carried

### **BUSINESS ARISING FROM PREVIOUS MINUTES**

**Golden Era Racing.** Organisation for the event is on track and entries continue to flow in with some 50 aircraft registered to take part with the most popular categories being Reno class and F1.

Full details and entry forms are can be found on the MASA and Constellation web sites.

Email: [pleaney@bigpond.net.au](mailto:pleaney@bigpond.net.au)

### **CORRESPONDENCE IN**

Sport SA	--	Sport Museum
MAAA	--	MAAA Position Vacancy
AAC	--	Control Line Category Report
Treasurer	--	August Profit & Loss
CASA	--	RAHS Area Approval
SAPA	--	Request for State Champs Trophies
Concorde	--	RAAF LOA Reeves Plains
Concorde	--	Planning approval costs
NMAS	--	Request for Trophies
State Library	--	Request to archive website
Skyhawks	--	Notification of a Sidewalk Sale
R. McEwin	--	SA Aviation Museum



## **CORRESPONDENCE OUT**

Club Secs -- MAAA Position vacancy  
MASA committee -- Sport SA Correspondence re SA Sports Museum  
RAHS -- CASA Area Approval  
RAHS -- Invoices for Area Approval/MASA affiliation

## **CORRESPONDENCE IN BUSINESS ARISING**

**SA Sport Museum.** Sport SA are keen to get MASA on board with a Sports Museum. The president communicated back to Sport SA indicating the view of the MASA committee that any donation of MASA fund would not benefit or assist our organisations or its activities and would be overshadowed by larger sport such as football, cricket, swimming, tennis, cycling etc.

**SAPA Trophies.** Approval was granted for trophy support for the upcoming event. at Monarto in October. Moved by Pylon, seconded by ORAM.

**NMAS Trophies.** Approval was granted for MASA encouragement awards and MAAA chuck Gliders. Trophy assistance not granted.

**Council Applications costs.** Concorde provided a breakdown of costs to MASA in readiness for an application subject to the outcome of the MAA Land Council vote on September 11<sup>th</sup>.

MEMBERSHIP \_\_\_\_\_ Clubs Affiliated with MASA (29)

SENIOR 807                      JUNIOR 26                      Total 833

**Interest rate for loans:** The new term deposit rate is 2,45%.

It was moved by BVMAC, seconded by MMAC that the interest for MASA loans for the next twelve months be in line with the term deposit rate at 2,45%.

## **CATEGORY REPORTS**

### **Control line:**

Flying activity at AAC's filed at Park 19 and Park 21 have been hampered by the recent damp weather but two events were run in August:

AAC Classic Stunt on August 12<sup>th</sup>; Cool and breezy weather resulted in only 3 entries:

1<sup>st</sup> Jeff Prosser (Formula S, OS LA 46S) 519 points

2<sup>nd</sup> Bill Pudney (Flite Streak, OS FP 20S) 399.5 points

3<sup>rd</sup> Greg Roadknight (Flite Streak OS LA 25S) 380.25 points

Judges; Peter Anglberger, Mal Dyer

Whyalla Show CL Spectacular, August 19<sup>th</sup> and 20<sup>th</sup>

All events were run on the 19<sup>th</sup> due to poor weather on the Sunday. It was a great event and a detailed article and photos have been submitted to the MASA newsletter editor.

Upcoming events:

1. AAC Grass Rat Race Saturday September 9<sup>th</sup>, Park 19 Unley Rd. City.
2. F1D Indoor Free Flight Team Trail September 10<sup>th</sup>, Parafield Gardens Rec. Centre
3. World Wide Ringmaster Flyathon September 30<sup>th</sup> and October 1<sup>st</sup> at SHMAC

## **GENERAL BUSINESS**

**SFI Conference.** A general discussion took place following the outcome of the SFI conference in relation to Instructor ratings. In line with upcoming CASA requirements it was decided that all MAAA instructors complete a refresher course to re validate their qualification for a further five years.

**MASA Calendar.** Bill Kent is the principal contact for calendar input and updates and now has been provided with web access to update the MASA Calendar.

To date, no events have been supplied for 2018 so please send them in to Bill ASAP.

**Holdfast Auction.** Its on again for 2017 at Cosgrove Hall on November 3<sup>rd</sup>.

Check out the advertisement in the MAS newsletter.

**MAAA Member Database.** Members are reminded that the membership system is available to self update any changes of personal details.

**Email Addresses.** There has been some issues with email addresses not being updated by the MAAA Marketing people. If anyone has outstanding issues, please talk to the MASA Registrar Garry Oakley.

**Meeting Closed 20.59 Hrs**

**Next Meeting Wednesday 4th October 2017**

**at The Restless Dance Theatre 195 Gilles Street Adelaide**



HOLDFAST MODEL AERO CLUB

# ANNUAL AUCTION

Friday November 3rd 2017

Cosgrove Hall  
50 York Ave, Clovelly Park

Admission: \$5.00, Juniors (under 18) Free

Doors open at 6:30 pm for setup only

Trading tables operate from 7:00 pm

Auction commences at 7:30 pm

Snacks & refreshments available

Great Door Prizes!

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**SCALE AIRCRAFT SOCIETY OF SOUTH AUSTRALIA**  
WILL BE CONDUCTING  
THE  
**COLIN REEDMAN DE HAVILLAND DAY**



AT

**CONSTELLATION MODEL AIRCRAFT CLUB**

ON

**SUNDAY OCTOBER 1<sup>st</sup> 2017**

FROM 0930Hrs

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# MASA EVENTS CALENDAR 2017

Date	Details	Location	Organiser
<b>SEPTEMBER</b>			
30 – 2 Oct	Ringmaster Fly-A-Thon 2017	South Hummocks	SHMAC
<b>OCTOBER</b>			
1	<b>Colin Reedman DeHavilland Scale Day</b>	<b>Constellation</b>	<b>SASOSA</b>
1	HMAC Pylon and Combat 1pm Start	Holdfast	HMAC
7	Indoor At Cornerstone College	Mt Barker	SMAC
7 – 8	Mildura Open Thermal	Wentworth	SSL
8	Pylon Racing	Constellation	SAMPRA
12	Indoor At Paradise Primary School	Paradise	SAIF
15	Slope F3F Glider	TBA wind dependant	SSL
21	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
21	Handicap F2B	Unley Road	AAC
22	<b>John Watters Memorial Scale Day</b>	<b>Strathalbyn</b>	<b>SMAC</b>
22	2m and Open F5J	Milang	SSL
28 - 29	<b>Precision Aerobatics - SA State Champs</b>	<b>Monarto AMA</b>	<b>SAPA</b>
29	Jet Fun Fly Day	Constellation	CMFC
29	Radian	Milang	SSL
<b>NOVEMBER</b>			
3	<b>Holdfast AUCTION at Cosgrove Hall 6:30pm York Street, Clovelly Park</b>		<b>HMAC</b>
4	Club Combat	Unley Road	AAC
4	Indoor At Cornerstone College	Mt Barker	SMAC
5	HMAC Pylon and Combat 1pm Start	Holdfast	HMAC
5	Scale Glider Aerotow	Milang	SSL
9	Indoor At Paradise Primary School	Paradise	SAIF
11 – 12	Naracoorte Fun Fly	Naracoorte	NMAC
12	Pylon Racing	Constellation	SAMPRA
12	2m and Open RES	Milang	SSL

The views expressed in this Newsletter are those of the writer of the article and not those of the Newsletter or MASA Inc.

Closing date for each Newsletter is the **Monday** prior to the MASA meeting. (First Wednesday of the month)

#### Executive and Office Bearers

President: **Neil Tank** Ph. 8325 3056  
email: president@masa.org.au

Secretary: **Paul Kumela** Ph. 0490 371 869  
12 Sapphire Road, Morphett Vale SA 5162  
email: secretary@masa.org.au

Treasurer: **Garry Oakley** Ph. 0417 814 373  
email: treasurer@masa.org.au

Vice President: **John Modistach** Ph. 8536 0174  
email: vicepresident@masa.org.au

Public Officer: **Paul Kumela**  
Auditor: **Richard Homes**  
Newsletter Editor: **Bob McEwin** Ph. 0499 018 288  
email: newslettereditor@masa.org.au

Registrar: **Garry Oakley** Ph. 0417 814 373  
Senior Flying Instructor: **Garry Oakley** Ph. 0417 814 373  
email: sfi@masa.org.au

#### ANNUAL FEES: 2017-2018

Senior; \$88.00 Pensioner: \$88.00 Junior: \$44.00  
Reductions apply after 1st January **FOR NEW MEMBERS ONLY**

#### Category Chairpersons

Control Line: **Peter Anglberger** Ph. 0448 433 282  
email: peteranglberger@hotmail.com

Radio Control: **Bill Kent** Ph. 0414 883 429  
email: wmkent48@gmail.com

Club Affiliation Fee \$10.00 for all clubs  
Please note:- **Member Clubs of MASA must affiliate through the MAAA**

#### CATEGORY MEETINGS

Control Line Second Tuesday monthly at 8:00pm  
Seven Stars Saloon, Angus St. ADELAIDE

Radio Control Nil

**Website** [www.masa.org.au](http://www.masa.org.au)

Web administration: webadmin@masa.org.au