



Super Cub preparing to alight on the wharf at Johnstons Bay, Rozelle adjacent to the ANZAC Bridge on Sunday 12 April. The event was the “Bays Precinct Discovery Day” where the public was invited to explore the Sydney dock area. Aeromodellers NSW was asked to provide both flying and static displays by the organisers. More on pg 16

Photo: Bob Carpenter – President, Aeromodellers NSW

Contents

Diary Notes	3
Contacts	3
April 2015 Business Meeting Minutes	4
Aeromodellers NSW 2015 Calendar	12
Club News	14
Petrol (Gas if you are American) Engines and their Foibles - by Tom Sparkes - Alias The Burglar	14
Bay Precinct Discovery Day A New Event to Showcase Aeromodelling on the Foreshores of the Sydney CBD.....	16
Blacktown Aeromodellers Club Inc. Invitational Fly-In 2015	22
F5J Electric Glider	24
Upcoming Events	26
Pylon – May Racing at Bathurst	26
Shoalhaven MFC and AEFA F5J Electric Glider Event.....	27
COMSOA Scale Fun Fly.....	28
NSW Pattern Flyers - Gloucester NSW.....	29
Gunnedah District Aeromodellers Pilots Choice Scale Rally	30
Pylon – May Racing at Pitt Town	31
Large Scale Racing Club of Australia Inc.....	32
The 2015 Luskintyre RC Scale Festival	33
Cowra “Dam Busters” R/C Float Plane Fly-In	34
Warbirds over NSW Scale Rally.....	35
For sale.....	36

Diary Notes

Next AEROMODELLERS NSW Meeting (incorporating the AGM)

Friday 8th May 2015, 8:00pm at **Dooley's Waterview Club, Cnr of Clyde Street and Silverwater Road, Silverwater.**

Following AEROMODELLERS NSW Meeting

Friday 12th June 2015, 8:00pm at **Dooley's Waterview Club, Cnr of Clyde Street and Silverwater Road, Silverwater.**

Newsletter #376 (June 2015) deadline for submissions:

Tuesday 12th May 2015.

Contacts

President / CFI	Bob Carpenter	president@masnsw.org	02 4577 6612
Secretary / Vice Pres	Tim Nolan	secretary@masnsw.org 74A Burdett Street, WAITARA 2077	0412 173 440
Assistant Secretary	Don Costelloe		
Treasurer	Bob Bishop	treasurer@masnsw.org	02 9533 2603
Registrar	David Lewis	dave.lewis@internode.on.net PO Box 7291, SOUTH PENRITH 2750	02 4736 2611 0407 705 224
Editor	Rob Masters	newsletter@masnsw.org	0418 160 295
State Field Officer	Steve Norrie	stateflyingfield@masnsw.org	0418 874 740
Public Relations Officer	Aranka Nolan	publicrelations@masnsw.org	0412 173 440
Education Officer	Greg Hoy	educationofficer@masnsw.org	0417 284 615
Deputy CFI North	Martin Cochrane	mwc.scale@bigpond.com	02 6658 2364
Deputy CFI South	George Atkinson	dcfis@exemail.com.au	0414 972 118

Please forward any changes of mail or email address together with your AUS Number directly to the Registrar

Aeromodellers NSW Inc

MINUTES

Business Meeting

Board Room, DOOLEYS Waterview Club,
Cnr Clyde St & Silverwater Rd, Silverwater
Friday 10th April 2015

Meeting Opened: 8.00pm

Attendance: R Masters WPMAC, D Lewis CMASNSW, R Bishop CMAC, B Thrift CVRCMAC, M Stone HSL, D Lacey SSME, J Green SNMAC, G Jones SNMAC, D Costelloe QFS, G Hoy CMAC, J Deece HMAS, J Slaverio HMAS, S Norrie NSW SAS, A Nolan Exec, T Nolan ROW, R Carpenter Exec, T Ingham WRCS, G Atkinson WRCS, J Randal CKSMAC, G Bland SNMAC, S Keep PMAC, S Hassett CKSMAC

Visitors: M Towell NSWFFS

Apologies: A Nolan PRO, A Lockett Cowra MAC, B Bishop Treasurer, G Atkinson WRCS

Minutes: Motion that the minutes of the meeting held on the 7th March 2015 at the State Field, Cootamundra as published in Newsletter 374 be accepted as a true and correct record of that meeting. That the financial reports from the past three months that were sent to all clubs in Bulletin number 30/2014-2015 be accepted as a true and correct record.

Moved: NSW SAS **Seconded:** SSME **Carried**

Business Arising: Nil

Correspondence: (N.B. Items of correspondence with one * are for information, items with two ** require a decision.)

Correspondence In:

From MAAA:

- * M 1.1 President, member survey (circulated to all members, 28/2014-2015)
- * M 1.2 Secretary, CASA have advised that all applications should be made via the State body and not directly to CASA (circulated via Bulletin 27/2014-2015)
- M 1.4 Secretary, MAAA Nationals Reminder (circulated via Bulletin 29/2014-2015)
- M 1.5 Secretary, out of office 20.4.15 to 27.4.15
- * M 1.6 Secretary, MAAA Conference Agenda
- M 1.7 Secretary, Executive Minutes
- M 1.8 Secretary, Enquiry re Warialda Area Approval – President responded directly

From other than MAAA:

- C 2.1 LSF, display/height application for Jerilderee
- C 2.2 Display Approval for Gunnedah Air Show
- C 2.3 D Smith, possible Wyangla Dam float Fly
- C 2.4 M Ford, Lower Tweed, incident report – forwarded to MAAA
- C 2.5 C Stats, Insurance enquire at a display
- * C 2.6 W Lampe, WMAC, feedback on Bronze –v- silver wings
- C 2.7 M Ford, Lower Tweed, MAAA Grant Application – forwarded to MAAA
- * C 2.8 Public Display, Discovery Day Rozelle Bay – forwarded to CASA
- C 2.9 R Marshall, Wyong River, Height extension application – forwarded to CASA
- C 2.10 C Thornton, Parkes, MAAA Grant Application – forwarded to MAAA
- C 2.11 T Woolfitt, SASOSA, SA Scale Championships – circulated to Scale Assns.
- C 2.12 A Aston SHMAC, request for dispute resolution process
- * C 2.13 H McLennon, BRFC, request for display information Helifest 2015
- C 2.14 B Angelo, CCMAC, incident report, - forwarded to MAAA

C 2.32 Newsletters Received:

Late Correspondence:

- C2.16 Application and supporting material for Helifest 2015.

Correspondence Out:

To MAAA:

To other than MAAA:

Business Arising from Correspondence:

C 2.13/ C 2.16

Details of the relevant MOPs forwarded to BRFC. The matter of Helifest 2015 was discussed at the meeting with the result being that the membership requires that mitigation processes are in place to ensure that incidents similar to last year do not occur. The meeting resolved to leave it to the Executive to approve the event if they were satisfied with the proposed written applications and risk assessments. The Executive will deal with the matter as two applications, day time activities and night time activities, each with separate risk assessments. The review will include the qualifications of the persons running and controlling the event. The Executive stated to the meeting that if they were not satisfied with the application it would not be approved.

C 2.8 We will be flying at a Public Display at Johnston Bay, Rozelle adjacent to the ANZAC Bridge in Sydney on Sunday 12 April. It is the Park of the Bays Precinct Open Day where the public are invited to come and explore the Sydney dock area. We will be flying off the old wharf area over the water. There will be a separate article of the event contained in the newsletter and also on the www.NSW.Aeromodellers.org.au website.

C 2.14 Enquiry as to the nature of the claim, advised it related to a motor vehicle.

Motion that the inward correspondence is accepted and the outward correspondence be adopted

Moved WRCS Seconded: WPMAC Carried

Reports

Treasurer

(presented by the President)

The Treasurer's Report will be circulated to all clubs via Bulletin 31/2014-2015

President

Bob Carpenter

The main item of business that I would like to discuss this month is the very important work that has been carried out to provide our member clubs with an updated Constitution which will be discussed and provided for adoption as part of our Annual General Meeting in May.

Firstly I would like to thank all those Clubs and individuals that have provided input to the draft that was circulated in February. The amount of feedback shows the importance that you place on this document. Let's discuss the purpose of the Constitution and some of the differences between the Constitutions of the individual clubs and the State Body.

The Constitution is the reference document that all our members, in this case the clubs, have agreed to. This provides the framework for not only the Executive, but all clubs to manage the working of the Association.

Your Association is an incorporated body under the rules provided by the NSW Department of Fair Trading and we are required to have a Constitution. The difference between the Model Constitution provided by the Dept and ours is that the standard Model Constitution is for an Association of individuals whereas our needs to be for an Association of clubs. This means that some of the areas need to be described in a different context.

Our current Constitution has not been reviewed since we became incorporated in 1999 and this indicates that it was well structured and has provided a good reference for the management of the Association. However, technology has changed, business practices have changed and more importantly the Regulations have been amended in some areas. With our change of name to Aeromodellers NSW it is an opportune time to update the Constitution to reflect today's way of doing business.

It is important for us to be aware that a review and amendment, if required, should be a standard part of our annual business practice. I have been approached with some questions as to how we will adopt this new Constitution. In order to adopt the new Constitution we must comply with our current Constitution which states:

- (a) at the Annual Management Committee Meeting provided that the notice of the meeting gives notice of the proposed alteration, repeal or addition together with a proxy voting form.
- (b) No such alteration, repeal or addition shall be effective unless it is carried by a majority of at least three-fourths of all the Association's Affiliate Clubs who are entitled to vote.

The main question that comes up is; how do we get 75% of our 85 clubs, who are all entitled to vote, to agree to this change. This is actually covered by the Regulation which has been changed and clarifies this area. The NSW Department of Fair Trading now advises:

"For the special resolution to be passed at a meeting

- members must receive notice 21 days before the meeting date. The notice should include the terms of the resolution and a statement that it is to be passed as a special resolution
- a quorum of members must be present at the meeting
- votes must be in person or by proxy, if allowed by the constitution
- support from at least three-quarters of the votes cast is required."

We will be providing a Proxy form to every club to enable you to provide your decision regarding the changes that have been proposed.

At the AGM we will have the adoption of the proposed Constitution as an agenda item. We will ask for a show of hands from the delegates of those clubs present and these, together with the proxy votes received will determine if the new Constitution is adopted or not.

The philosophy we have adopted when reviewing the Constitution is that we must look at all areas from a total viewpoint and establish the basic rules for the governance of the Association. There are many other areas that could have been included; but I ask you to consider “does this Constitution give the basic rules which will last without causing the Executive to work with many rigid rules that may need to be changed.”

I strongly suggest that we adopt the new Constitution as presented and if there are areas that need to be further amended that we cover them off in the next round of changes.

Registrar

Dave Lewis

Numbers have remained steady with just over 2300 members and one new club joining.

Chief Flying Instructor

Bob Carpenter

Nil report.

Public Relations Officer

Aranka Nolan

The Brand

We started the journey of change over 12 months ago and now we have the new name, logo and the new website. Next the new logo will begin to appear on things in the real world.

You will soon see banners and clothing that carry the new logo. I presented items to the meeting including the shirts, vests, fleece, and hats that are being branded with the new logo. I am focused on quality items to show off our new brand. The base colour is referred to a Royal Blue, which is a bright, cobalt blue and helps us stand out. This will be most appropriate for those participating in events where other clubs and countries are present.

The Website

One of the main functions of the site is to show upcoming events. There is a list of information that will be helpful for me to show when an event starts and ends, if food and drinks are available, who the main contact person is and their mobile and email. An image would also make a good addition to any listing and if there is a story of past events then I can add that to a news story. To help this process I am preparing a form that will list all the information necessary to have events posted on the website. An important part is the physical address so that the Google map function can be properly utilized and the event location shown. I know that some places do not have these things so then gps co-ordinates might work better. Also it will help me differentiate between the name of the event, the club name and the location. So this form will help the listing go up correctly.

We have ironed out the teething issues with the community section of the site and so I invite you to join up and share some of the images and experiences of your flying events and activities. It is always good to see what is happening in clubs around the state. Fresh content also helps us with our search engine ranking.

On the website I will also be looking at loading stories from our history so that we can capture our journey of aviation.

Efforts continue to bed down the website and we will be moving it to Net Registry for hosting and setting up the email accounts there also. We will then be putting Google Analytics into place so we can see what areas of the site are generating the most interest.

Other

We are planning to hold an annual dinner event to bring together the aeromodelling community that includes dinner speakers and some entertainment. If you are interested please send me a note to say you would be and who you would like as a dinner speaker. It is planned for later in the year. I will share more of that with you later.

CASA Liaison Officer

Tim Nolan

We are continuing to work with CASA on the area approvals; if your club is within 3 NM of an airport or if you fly off one can you please contact me so that we can check if your club needs an approval to operate. There have been a number of these issued so speak to some of these clubs, the process is not too difficult, and it makes us legal, and no issues with CASA.

Secretary

Tim Nolan

The documentation to complete the issues identified with the water bore at the state field have been completed and submitted to the relevant authority. The approval for this expenditure (up to \$5,000) was completed at the last meeting in Cootamundra. It is expected that this process could take up to 6-8 weeks to complete, by which time we should be in to winter so that minimal water is required. We should be ready to water the strips for the spring and summer. This will then bring us into compliance. The costs for the various applications was \$1555.00 being the permission to access the bore, advertising, assessment and a Zero Share Water Allocation Licence. Water will have to be purchased on top of this, currently about \$1000 per mega litre from a Water Broker.

State Flying Field

Steve Norrie

Over the past week we have had some rain actually falling on the field, 25mm for those who want to measure it. This is great as we are currently not permitted to water the grass using water from the bore as we need to address the licence conditions pertaining to water usage.

The current licence only allows us to provide water for a residence (that we do not have) and for the watering of stock (this part we are ok with). We have applied for a licence to irrigate, this licence will require us to purchase water through an agent. The water purchase will be a once only payment for the right to use an amount of water each year. The paperwork has been submitted to the government authority for processing, it is expected this will take about two months. We are lucky that this has happened at this time of the year as the overall effect on the grass will be minimised.

The bore has also been tested for depth and flow rate, the report from this test should be available for the next meeting.

As reported on several occasions, those who take the time to travel to Cootamundra continue to advise me that the trip was worthwhile and the field is much better than they expected.

Should you wish to book the field for an event or for private use please contact me via email stateflyingfield@masnsw.org with your required dates (several options will reduce disappointment).

Other reports:

Motion that the reports be accepted.

Moved: CVRCMAC **Seconded:** WRCS **Carried**

Awards:

Applications received for the approval of MAAA Fixed Wing Power – Bronze Wings:

Rodney Radclif	GDA	72851
William Wilkinson	DMAC	76554
Andrew Hunter	COMSOA	81599
Lachlan Raidal	WMAC	68113
Mark Cooper	SSSFA	76515
Dean Poricanin	SHMAC	40233
Graham Christie	SHMAC	24277

Applications received for the approval of MAAA Fixed Wing Power – Gold Wings:

Phillip Brown	Port Macquarie	73844
Jason Furness	Leeton	87549
Trevor Millard	COMSOA	71262
Robert Gage	HEMFC	71486*
Kyle Hughes	WMAC	82467

* forward wings directly to pilot

Applications received for approval for MAAA Fixed Wing Power Instructors:

No applications received

Applications received for Approval of Commercial Model Aircraft Flying Instructors:

No applications received

Applications received for the approval of MAAA Helicopter - Bronze Wings:

Anthony O Conner	RFC	76368
------------------	-----	-------

Applications received for the approval of MAAA Helicopter - Gold Wings:

No applications received

Applications received for approval of MAAA Helicopter Instructors:

No applications received

Applications received for the approval of MAAA Glider – Bronze Wings:

No applications received

Applications received for the approval of MAAA Glider – Gold Wings:

No applications received

Applications received and approved for MAAA Glider Instructors:

No applications received

Applications received and approved for MAAA Multirotor – Bronze Wings

No applications received

Applications received and approved for MAAA Multirotor – Gold Wings

No applications received

Motion that the award of Gold Wings awards be accepted.

Moved: NSW SAS **Seconded:** Port Macquarie **Carried**

MAAA Inspector Approvals:

Heavy Model FW 25 Inspector Approvals:

Clive Hodder	SSSFA	24260
Rick Kucinskas	RAAFMAC	42262
Michael Mitterer	RAAFMAC	69452
Corinne Pellatt	SRCS	54650
Benjamin Burrell	SRCS	42226
Michael Tulk	RAAFMAC	71062
Shannon Gosper	Feral Flyers	59450

Heavy Model RW 25 Inspector Approvals:

Nil received

Giant Model FW 50 Inspector Approvals:

Nil received

Giant Model RW 50 Inspector Approvals:

Nil received

Gas Turbine Inspector Approvals:

Nil received

Commercial Instructor Approvals

Nil received

MASNSW POINT SCORE COMPETITION AWARDS 2014:

General Business:

The first item of General Business is:

The next Business Meeting of Aeromodellers NSW and the Annual General Meeting will be held in Sydney at the Board Room of Dooleys Waterview Club at Silverwater commencing at 8pm on Friday 10 April 2015, all members and visitors are welcome.

There was discussion with regard to the printed newsletter and it is proposed that we will stop printing this at the end of this financial year. It is no longer cost effective to produce a hard copy as we are now well below minimum economic order quantities. We are the last state group to maintain a printed hard copy of the newsletter. More details to follow as we move the location of the web site across to Domain Registry and you will be advised of any changes to the process of downloading your copy.

The president provided the meeting with an overview of the upcoming MAAA Conference and the main agenda items contained within it. This included the motion to review the junior fees to clearly identify if their cost is a barrier to registration with MAAA.

Jim Green from Springwood Nepean Model Aircraft Club (SNMAC) addressed the meeting on issues they are having with vandals totally destroying their field. The vandals used large angle grinders to cut open the gate and access the field in 4 wheel drive vehicles. The entire flying surface has been totally destroyed and the club has made an application for an MAAA grant to try and get back on their feet. If any members have any knowledge about this please contact Crime Stoppers, Penrith Police or the club directly. Sadly this is not isolated as other clubs have also had similar issues and increased security and/or covert surveillance is something that clubs may have to look at. Photos of the damage can be viewed at www.SNMAC.com.au.

A request from CMAC that we write to the Minister for Sport and Recreation advising them of our change in status, now being recognised as a sport. Request his support in raising the awareness of the Department and local Councils of the value of Aero Modelling to the Community and to ensure that Aeromodelling is afforded balanced representation across the state.

Question if the Executive had considered/ or made application to the club for a grant from Dooley's Waterview Club to subsidise the cost of room hire for the meetings. Members advised that presently the Executive is preparing for the AGM and MAAA Conference and may look into this issue in the new financial year.

There being no further business before the meeting, the meeting was declared closed at: 10.00pm



Aeromodellers NSW 2015 Calendar

(Compiled 12/4/2015)

- Those Events marked with an * are MASNSW Point Score Events.
- Unless otherwise advised MASNSW Meetings are held the 2nd Friday of every Month.

18-19	NSW Pattern Flyers – F3A	Wingham	Felix N	0428 880 633
11-24	MAAA Nationals (refer http://www.maaa.asn.au/)			

May 2015

1-3	Autumn Scale Rally (TCMAC Field)	Albury	David Balfour	0407 953 903
2-3	Veterans Gathering – Old Timers	Muswellbrook		
8	Aeromodellers NSW General Meeting and AGM Dooleys Waterview	Silverwater	Bob Carpenter	02 4577 6612
16-17	COMSOA Scale Fun Fly	Metford	Paul Robertson	02 4946 8334
16-17	NSW Pattern Flyers – F3A	Gloucester	Felix N	0428 880 633
16-17	Wyong Old Timer Weekend	Wyong	Bob Marshall	02 4363 2818
23-24	Pilot's Choice Scale Event	Gunnedah	Paul Hartley	0438 421 926
30-31	Sport Pylon	Pitt Town	Peter Kerney	0407 013 230

Jun 2015

6-7	Vintagents Old Timers	Gratton Field	Dave Paton	07 3245 5991
12	Aeromodellers NSW General Meeting Dooleys Waterview	Silverwater	Bob Carpenter	02 4577 6612
13-14	Large Scale State Titles	Taree	Bill Mansell	0409 585 023
13-14	Open Handicap Gliding	Gunnedah	Paul Hartley	0438 421 926
13-14	New England Gas Champs Old Timers	Tamworth	Basil Healy	02 4341 7292
19-21	2015 Luskintyre RC Scale Festival	Luskintyre	Greg Tracey	www.rcscalefest.com.au
20	NSW Pattern Flyers – F3A	Richmond	Felix N	0428 880 633
27-28	Sport Pylon	Nowra	Peter Kerney	0407 013 230

Jul 2015

4-5	Dam Busters Float Fly – Wyangla Waters	Cowra	Andy Luckett	0412 820 865
10	Aeromodellers NSW General Meeting Dooleys Waterview	Silverwater	Bob Carpenter	02 4577 6612
18-19	Golden West Old Timers	Parkes	Peter Smith	0423 452 879
25-26	NSW Pattern Flyers – F3A	Wingham	Felix N	0428 880 633

Aug 2015

1-2	Sport Pylon	Pitt Town	Peter Kerney	0407 013 230
14	Aeromodellers NSW General Meeting Dooleys Waterview	Silverwater	Bob Carpenter	02 4577 6612
16-17	F4C/F4H / flying State Titles	Richmond	Bill Mansell	0409 585 023
22-23	TARMAC Scale Rally	Tamworth	Richard Exler	0438 314 882
28-30	Classic Aeromodelling - 'Oily Hand Diesel Day'	Cowra	Andy Luckett	02 6342 3054

Sep 2015

5-6	NSW Pattern Flyers – F3A	Gunnedah	Felix N	0428 880 633
5-6	Coota Cup Old Timers	Cootamundra	Grant Manwaring	02 6241 1320
11	Aeromodellers NSW General Meeting Dooleys Waterview	Silverwater	Bob Carpenter	02 4577 6612
20	Sport Pylon	Richmond	Peter Kerney	0407 013 230
26-27	NSWSAS (Scale) Round 3	Richmond	Bill Mansell	0409 585 023

Oct 2015

3-4 Eastern States Gas Champs Old Timers
**9 Aeromodellers NSW General Meeting
 Dooleys Waterview**
 15-19 FSAA Warbirds over NSW Scale Rally
 23-25 Annual Seaplane Weekend
 (Tabletop Reserve, Lake Hume)
 24 NSW Pattern Flyers – F3A

West Wyalong Grant Manwaring 02 6241 1320
 Silverwater **Bob Carpenter** 02 4577 6612

Cootamundra Peter Goff 0422 682 768
 Albury David Balfour 0407 953 903

Camden Valley Felix N 0428 880 633

Nov 2015

**13 Aeromodellers NSW General Meeting
 Dooleys Waterview**
 14-15 Belconnen/NAAS old Timer NAAS
 23-24 NSW Pattern Flyers – F3A - State Championships

Silverwater **Bob Carpenter** 02 4577 6612

Canberra Grant Manwaring 02 6241 1320
 Richmond Felix N 0428 880 633



Club News

Tom Sparkes (WRCS)

Petrol (Gas if you are American) Engines and their Foibles - by Tom Sparkes - Alias The Burglar

These days, petrol engines are rapidly becoming more popular, particularly as our models get bigger and more complex, and for some very good reasons. They are more reliable than their glow cousins, but they do have their little idiosyncrasies. The greatest difference lies in the carburettor set up. They have an inbuilt petrol pump, so you can mount your tank anywhere in the plane, height above the carby matters not a toss, and with the throttle closed you cannot flood the engine while refuelling. Also, because of the fact that you have a spark plug and not a glow plug, the engine can be mounted inverted with no fears of poor idling or poor running.

The one thing that can be a trap with petrol engines is the little balance port on the pump side of the carby. If it is in a position that can be influenced by different air pressures, like facing into the airstream or in a pressure void inside the cowl, erratic mixture settings will result during certain manoeuvres. The insurance against this is to always when installing a petrol engine, solder a short length of brass fuel tube over this tiny hole and run a length of fuel

tube back into the fuselage where you will not get sudden pressure variations. If you are unsure of the location of this hole, ask me or one of the other petrol heads in the club.

Whilst on the subject of fuel tubing, remember that you MUST NOT use silicon fuel tubing, you must use the TYGON fuel tubing, readily available from hobby stores or from lawnmower or motor bike shops. Also it is a good idea to put a small cable tie around every junction of tygon over brass tubing because the tygon can stretch over time and slip off the end of the brass tube. Very embarrassing!!

Also the stopper in the neck of your tank must be of the gas type and not the glow fuel type. Most tank brands will supply a gas stopper.

FUEL MIXES. Most makers these days like you to run the engine in on a higher ratio of oil to petrol mix, usually 25 or 30 to one, using a MINERAL rather than a synthetic oil so that the surfaces get bedded in properly. Later when fully run in use a top quality Synthetic oil which you can get from a Motor bike shop. One

of the off-road racing synthetics is the go, and follow the maker's advice as to ratio, usually around 40 or 50 to one. These engines are very frugal as well, you will get about twice to three times the run time as from a glow engine on the same size tank. As you can see they are very cheap to run.

MIXTURE ADJUSTMENTS. These engines are a bit different to glow in the way you set the high and low mixture settings. Set the high first, and run it a bit rich for the first hour or so, and remember that when setting the low speed needle, this usually affects the high setting as well, so if you richen up the low needle chances are you will have to lean off the high a bit as well. Listen to the transition, if the motor "dies" on opening the throttle, chances are you will have to richen the low speed needle; if it "hunts" and surges when you open the throttle, chances are it is too rich on the low needle. Don't forget that as you change mixture settings on the low end your idle speed will vary, so always adjust this after altering the low needle.

STARTING TECHNIQUE. If your engine is a Magneto type like a Zenoah, don't even think about hand starting; the propeller has to do almost a complete turn before a spark is generated, so just flipping it over compression is a no brainer.

Either use a starter or have the motor fitted with a spring starter, which spins it over several times quickly. Close the choke FULLY and open the throttle fully, spin the engine and when enough fuel is pumped into the carby it will "pop" or just fire once. Then open the choke, put the throttle just above idle, spin it and it will start. If your engine has electronic ignition and no magneto, then it is possible to hand start because the spark is generated at top dead centre by the ignition battery without the engine having to do a full turn. However for my money and because I prefer my fingers to stay attached to my hand, I use a starter even on my electronic ignition engines. In fact with the bigger engines, say around 80cc up, this becomes a case of preferring my whole arm to stay attached to my body!!!!

ALWAYS have someone help you and hold the model, those bigger engines can develop a lot of thrust and power. On full power my 3W80 will almost drag my helper (Ron) along the ground with his heels dug in!!!! Good luck with your petrol engines!!!! If you need help just ask.



THE BURGLAR.

Bay Precinct Discovery Day

A New Event to Showcase Aeromodelling on the Foreshores of the Sydney CBD

Sunday April 12th was the day to see some of the best pilots in NSW participate in the Bay Precinct Discovery Day event organised by Urban Growth NSW in the Bay Precinct of Sydney. The event was created to showcase The Sydney bay area and to encourage members of the public to have a walk around the “Bays” to see them and also start to consider the future development of these great resources.

Tim Nolan, Mike Reynell, Steve Keep, Don Costelloe, George Atkinson, Clive Hodder and Tim Rochford took to the sky through their best aircraft, giving crowds a real display with their models.

The event was held at Johnstons Bay in Sydney, north of the Anzac Bridge with a back drop of the Sydney Harbour Bridge. The intrepid aviators committed aviation with challenging 15-20km/hr southerly winds blowing through the Anzac Bridge but it was no problem for our pilots despite even with the close proximity of the bridge, the sky scrapers in front and the water close by.

The aerial display included large scale aircraft and helicopters as well as aero-towing a 4 metre glider out of that tight location.

The success of the day is testament to the pilots' abilities as there was not a single chipped propeller or broken wheel spat.

Pilots and assistants also answered questions from the crowd during and between displays.

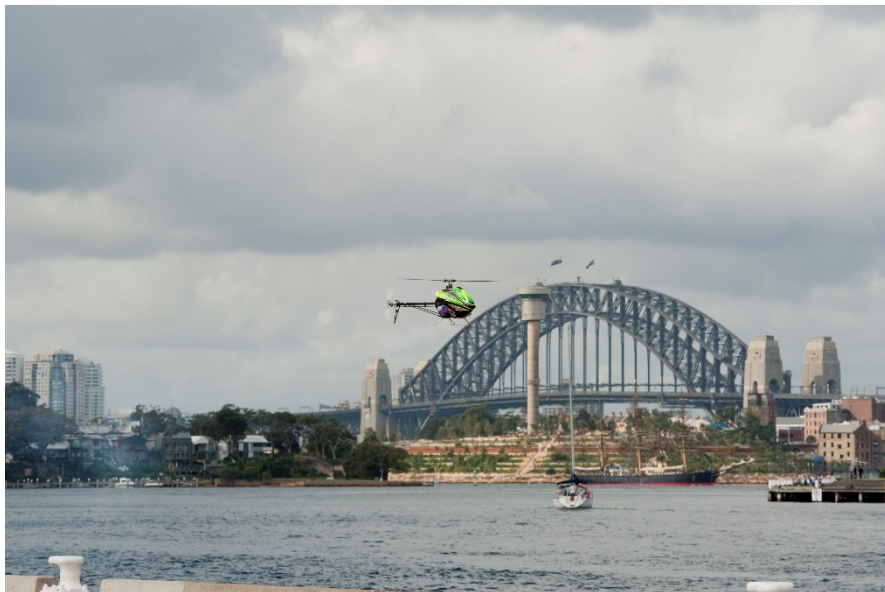
Inside the Exhibition Centre we had a magnificent display of aircraft from trainers through to a large glider, war birds and a number of pilots flying models inside the Centre. Also thanks to Geoff Green for providing his L4 Grasshopper and a 1/3 scale Cub as a static display, as well as Darren's Dauntless, jets and the B17. These together with Don Costelloe's ½ scale Ka6 in the background added greatly to the display. It was great to see small indoor models being flown inside the Exhibition Centre to demonstrate to the public the diversity of model aviation.

It was a great opportunity for Aeromodellers NSW to promote who we are and what we do and to present the sport to a much broader audience.

Special thanks go to Bob Carpenter, Jackie Slaviero, Darren Wilson, Paul Johnston and Geoff Green who also supported us managing the public engagement and enquires throughout the day. It would not have been possible to present this display without acknowledging the great photos on the following pages, taken by Dino Riboldge, Darren Wilson, Earnie Heath, Don Costelloe and Lorraine Hodder.











Blacktown Aeromodellers Club Inc. Invitational Fly-In 2015

John Kastelan / Collin Rook

The weather gods turned in a great day on Sun 29th March for the Blacktown Aeromodellers Club's annual invitational fly-In at their new Cecil Park field. Nice and sunny without being too hot and just a little wind, generally in line with the strip.



This all boded well for a great turn out of about 40 or so with 15 to 20 active flyers. A limit of six aircraft in the sky at one time was set but we only really reached that number a few times with most content to watch on once there were four or so aircraft in the sky.



The chefs put on a great BBQ lunch with many going back for seconds before the drawing of the raffle prizes resulted in smiling faces as the winners made off with their booty.



A great day and looking forward to next year, by which time we should see many improvements at the new field.



F5J Electric Glider

Mel Gillott (SMFC)

In 2011 the FAI approved provisional rules for a new electric glider competition that does not require a fast climb; it puts the emphasis on finding thermals and staying in them. You do not need hi-tech equipment or big dollars to participate and be competitive. In fact a simple ready built foam glider such as the Radian 2 metre is currently doing well in F5J comps.

The rules of this event are simple. Fly for 10 minutes then land near a spot as close to 10 minutes as you can. Only a gentle climb is required since you are penalised for every metre of altitude when you cut the motor.

The event is scored on the total flight time, less the penalty for how high you climbed, plus a modest spot-landing bonus. In practice, the length of the flight is the most critical aspect, the height you climbed is a secondary consideration, and the event is certainly not decided by spot landings. A true Thermal event.

Full rules may be found on the Australian Electric Flyers Association web page at www.aefanet.com along with other interesting info.

So, how do we know what height you achieve in your climb? You fit your glider with a height limiting devices and data logger. Several are available commercially. Have a look at www.flyelectric.com

The AEFA promotes the event by freely handing out a collection of these devices and a few hand-held readers, so that fliers can come to an event without a device and still take part. These are still available, but many fliers now have their own devices, and the AEFA runs a monthly postal competition where fliers log their own flights and submit the results to a central point and a winner for the year is declared. Great for practicing.

One of the most recent devices is the Altis V.4, which has an LCD display on the device itself, so you do not need a hand-held reader. You launch your aircraft as the hooter sounds the beginning of the 10-minute window. You can switch off at any time up to 30 seconds in to the flight. Some brave fliers have even tried switching off under 50m when they perceive thermal activity! If you keep running your motor, it will be automatically stopped by the device after 30 seconds and you must not start it again. Some devices do not allow a restart per F5J rules, but more recent ones allow a restart in an emergency situation with a zero score being recorded in an event, but the aircraft can be saved!

The F5J event is now popular in many overseas countries. Slovakia has developed a web site to publicise international events in F5J. You can see details here: http://www.rivamodels.sk/f5magazin_en.html



So dust off your electric gliders and join the F5J revolution!

DIRECTIONS TO FLETCHER'S LANE FIELD, NOWRA

Coming from M1 and Princes highway North - - -

Proceed past Wollongong, Kiama and then through Berry.
Before Nowra take left turn to Bomaderry along Meroo Road.
After short distance turn left into Fletcher's Lane.
Proceed to end of straight lane and cross railway line –
Caution! The line is unprotected so you must Stop and look for trains before crossing.
Field is ahead – enter through gate on left.

Coming from South - - -

Continue through Nowra on Princes Highway, over Shoalhaven River and past three roundabouts. After last roundabout highway runs downhill.
After bottom of hill take right turn to Bomaderry along Meroo Road.
After short distance turn left into Fletcher's Lane.
Proceed to end of straight lane and cross railway line –
Caution! The line is unprotected so you must Stop and look for trains before crossing.
Field is ahead – enter through gate on left.

Upcoming Events



NSW PYLON RACING **CLUB inc**

Q500, F400, F3D and the
Electric EF-1 and Funfighter (i.e. Rare Bear) **PYLON RACING** at

BATHURST MODEL AERO SPORTS CLUB

LOCATION: 800m north of the corner of Pymonts Lane and Limekilns Road.
S33°18.621'E149°41.803' or see <http://www.bathurstmodelaerosports.com.au/>

Sunday 3 May 2015 – 9:00am Pilot Briefing

Practice from 12:30pm Friday 1st May and all day Saturday 2nd May 2015

Catering at Field: Saturday lunch. Saturday evening dinner at field.
Sunday Breakfast and lunch at field.

Please check NSW Pylon Web site for Saturday evening dinner catering requirements, i.e. numbers.

Must have current MAAA membership
Entrants and callers must bring hard hats

Novices and New Racers Always Welcome

Contact: Peter Kerney 0407 013 230

Or check out the Website

<http://www.nswpylon.org/>

FUEL SUPPLIED ON RACE DAY

This is the first time the Bathurst club has hosted a Pylon event and some local flyers who have never flown a pylon course are using this as an opportunity to have a go flying non pylon type planes. If you have been sitting on the sidelines, not quite game, here is your chance. Get that Sunday sports plane out and have a go.

Shoalhaven MFC and AEFA F5J Electric Glider Event.



SUNDAY 3rd MAY 9.30am Start

Field at end of Fletchers Lane, Bomaderry, Nowra, NSW

(See page 25 for directions)

Catering on field Sunday by SMFC

Prizes - top three in F5J plus Contest Directors prize for top placing 2.5 Metre or under flown by non-regular contestant.

Any further details, or Pre-entry (please, but send no money) would help:

Mel Gillott redshiftxyz@hotmail.com 0439 483088



COMSOA SCALE FUN FLY 16th.and 17th. MAY 2015

AT COMSOA'S FLYING FIELD AT METFORD OFF RAYMOND TERRACE ROAD.

Saturday the 16th-- Gate will be open about 0800 Flying can commence after 0900 . Fly as much as you wish. Registration starting after 0930

Sunday the 17th. Gate open about 0700, flying after 0800 and will be to our usual format with organized flying in each category. Judging will be by entrants on Sunday

CATEGORIES---- MILITARY UNDER AND OVER 7 KG. ----CIVILIAN UNDER AND OVER 7kg .- JET and SPORTS MODEL

Prizes 1st. 2nd.and 3rd. in all categories, plus Model of the Meeting.

. If you are intending to participate please PRE ENTER if possible. There is no problem changing your model entry on the weekend if required.

Pre entry draw cut off date is Thursday the 14th. May.

Entry for the weekend is \$30. Entry fee includes lunch on Saturday and Sunday.

If pre entering pay on the weekend.

MAAA Membership cards and Heavy Model/Turbine Permits will need to be sighted.
Free tea and coffee. Cold drinks on sale all weekend.

VISIT OUR WEB SITE www.comsoa.com for up to date info for the event and about our club.

AN ENTRY FORM is on our web site, it is a very easy to use electronically submittable form. Also there is a blank form which can be printed and posted or transmitted by attaching to an email to scalefunfly@comsoa.com

For general inquiries Stewart Brackley Phone 49470586

If by Mail send to Jason Russ, 75 Clyde Circuit, Raymond Terrace 2324



NSWPF

[Just an average group of flyers with an obsession for precision aerobatics](#)

NSW Pattern Flyers will be holding a two day event at **Gloucester NSW**

Hosted by the **Gloucester Model Aero Club** on the **16th & 17th May 2015**

Come and join in the fun of Aerobatic competition

The Field location from Sydney/Newcastle via Bucketts Way South through Stroud and Stratford: when you reach the 80kph limit approaching Gloucester go past Fairbairns Road, travel another couple of kms and take the next right into Jacks Road, after 1.7km turn right into Maslens Lane, then follow common route below.

Common Route: Maslens Lane is a good dirt road leading to the flying club, bending left at the farmhouses. It's in the middle of a dairy farm, so if there are any electric tapes strung across the road take them down, drive over them and reattach behind you. The last 200m can be slippery if it's wet, but it's wide and flat so stay in the middle and take it easy.

A BBQ will be operating on both days, so plan on eating their fare to help the Club funds.

Newcomers are most welcome, if you can loop, roll, fly inverted and perform a spin you can fly the Sportsman Schedule. There are plenty of experienced flyers there to lend a hand.

The Sportsman Schedule is on our site www.nswpattern.org.au under the Schedules tab.

Please pre-enter by 13th May, by following the link on our website www.nswpattern.org.au

For more information contact Felix Nieuwenhuizen, on 0428 880 633, or at felchem@bigpond.com



Gunnedah District Aeromodellers Association

in association with

FSAA

Present

Pilots Choice Scale Rally

fixed wing planes
23rd and 24th May 2015

Location

GDAA Field

410 Quia Rd, Gunnedah GPS 30.958263 150.191259

8 Categories

A: Civilian over 80" and **B:** Military over 80"

C: Civilian under 80" and **D:** Military under 80"

E: ARF Civilian

F: ARF Military

G: Combined electric over 80"

H: Combined electric under 80"

TOP GUN

FSAA members model of the meet

Enter as many planes for the one entry fee of \$20.00 open key board flying

Model must fly to be eligible for judging

Canteen will run both days hot and cold, camping at field,
amenity block available.

Pre registrations to hartleys.electrical@gmail.com ph 0267420222 work
hours noting pilots name, model name, wing span and category.

Judging Sunday 12.00md to 1.00pm during lunch.

We would like to acknowledge the help of the FSAA for the enjoyment of
scale flying.



NSW PYLON RACING
CLUB inc



Q500, F400 and the
Electric EF-1 and Funfighter (i.e. Rare Bear) **PYLON RACING** at
CHARLES KINGSFORD SMITH MODEL AIRCRAFT CLUB Inc.
Located on Pitt Town Bottoms Rd, Pitt Town

Sunday 31 May 2015 – 9:30am Pilot Briefing

Practice from 12 noon Saturday 30th May 2015

PLEASE NOTE- ENTRIES BY 9:00am SUNDAY

Must have current MAAA membership
Entrants and callers must bring hard hats
No motor starts before 9:00am or after 5pm

FUEL SUPPLIED ON RACE DAY

PLEASE NOTE NO CATERING AVAILABLE
BRING YOUR OWN FOOD AND DRINK

Novices and New Racers Always Welcome

Contact: Peter Kerney 0407 013 230

Or check out the Website

<http://www.nswpylon.org/>

Further 2015 dates:
Nowra 27/28 June, Pitt Town 1/2 August,
Richmond 20 September,
The two Marulan dates TBA

Large Scale Racing Club of Australia Inc

2015 Sydney Large Scale Pylon Races

6th and 7th June 2015

HMAS Flying Field, Vineyard Sydney NSW

Golden Era Inline, Golden Era Radial, North American AT6, Reno Racing 62, Formula 1, Formula 2 and Extreme 20-30.

Rules and Entry Forms available from the MASNSW Website

www.masnsw.org

Novices and New Racers Always Welcome

PROGRAM - SATURDAY 6th June 2015.

Registrations & Processing 9.30am to 11.00am

Pilots briefing 11.30am

Racing 12 noon

Racing finishes at Sundown

PROGRAM - SUNDAY 7th June 2015.

Racing starts at 9-00am finishes at end of round # 7.

Presentation of Trophies.

For further information:

Contact Joe McGuffin on 0419628727 or

Email drafting@salken.com.au



Present

THE 2015 LUSKINTYRE RC SCALE FESTIVAL

**A THRILL
FOR THE NATION!**



JUNE 19-21, LUSKINTYRE AIRFIELD
SCALE FIXED WING, SCALE AERO TOW, SCALE FLOATPLANES
3 SEPARATE FLIGHT LINES, SWAP MEET

For more information and registration visit:
www.rcscalefest.com.au



To be held on the waters of the beautiful Wyangala Dam



Casual flying open to all MAAA members Monday 29th June – Friday 3rd July 2015

(Both MAAA cards and receipts for 2015/16 year fees will be checked at registration)

Large open flying space with emergency retrieval boat on-site

No entry fee for event

Powered and unpowered camping or on-site accommodation available through

Wyangala Waters Holiday and Recreation Park

Phone: (02) 6345 0877

Web:- www.inlandwaters.com.au and click on Wyangala Waters

NB: there is a \$10 entry fee to the park for day visitors

Barbeque lunch available on Saturday

Saturday Evening roast dinner in park hall followed by an evening of flying all things indoors

Hot breakfast served dam side Sunday morning

For event details contact:-

Darren Smith: mobile 0488 012 836 or email darrensmith070@gmail.com

or Andy Lockett: mobile 0412820865 or landline 0263423054



The poster features a central illustration of a smiling pilot in a blue flight suit and brown leather helmet with goggles, giving a thumbs-up. The background is a bright yellow sky with a blue horizon line. Text and logos are arranged in the upper right and bottom sections.

**WARBIRDS OVER NSW
SCALE RALLY**
MAS STATE FIELD, COOTAMUNDRA
15 – 19 OCT 2015

FULL BRIEFING NOTES HERE:
WWW.FLYINGSCALEAIRCRAFTASSOCIATION.COM

WINGS FOR VICTORY

For sale

One pair of Shindin retracts for 83"
Brian Taylor Spitfire.

Never used.

\$400 ono

Call Shannon

(02) 65 574351
After 6pm

**Deadline for submissions to
Newsletter #376 (June 2015) is
Tuesday 12th May 2015.**

*Please forward any changes of mail or email address
together with your
AUS Number directly to the Registrar.
dave.lewis@internode.on.net*