

MINIATURE →
AERO SPORTS
NEW SOUTH WALES INC.



Competitors at the 3DX Australia 2013 event held at HMAS, 16-17 March.

Photo via Bob Carpenter (HMAS – Pres MAS NSW Inc)

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Diary Notes

Next MASNSW Meeting (incorporating AGM)

Friday 10th May 2013, 8:00pm at Garden Terrace Room, Workers Parramatta, 163-165 George Street, Parramatta.

Following MASNSW Meeting

Friday 14th June 2013, 8:00pm at Garden Terrace Room, Workers Parramatta, 163-165 George Street, Parramatta.

Newsletter #356 (June 2013) deadline for submissions

Tuesday 14th May 2013.

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

From the Editor

Another MAS NSW year gone by and we're looking down the barrel of the 2013 AGM this month. All Executive positions are up for re-election and I have agreed to throw my hat in the ring again as your Ed. If successful, June begins my fourth year in the seat. After that, registration renewals start in earnest and I would ask all who get their Newsletter by email to ensure that your email address passed through to the Registrar is current. If you know anyone who is not receiving their copy, get them to check (preferably through their Club Secretary) that the Registrar has the correct details.

I'm afraid I still struggle to get sufficient interesting material each month – I'm sure most readers would prefer to see and hear what others are doing rather than just wade through pages of dry Minutes and such like. Whilst I've had a lot of input from a select number of readers over the last three years, the cupboard is again bare. My plea goes out – please put your fingers to the keyboard about anything that may be happening on your patch; contests and fun flies, open days, static displays even club working bees - throw a few photos in with it and it won't take much to give me something to work with. I particularly invite potential front page photos and acknowledge all

contributors so how about it – get your name in print.

Steve Norrie and the crew are getting a lot done down at the State field in Cootamundra. As noted in the last issue, the mezzanine viewing platform is now open and I can report that there are now hot shower facilities available which makes camping or caravans a viable option. I can personally vouch for it being a fantastic facility so why not take advantage of a great flying site and book a weekend down there for your club or interest group. Just contact Steve – details on pg 3.

The answers to last month's Find a Word appear on pg 42 and I'm trying out a crossword puzzle on pg 43. I'm running out of ideas for the Find a Word so if anyone would like to throw together 20 – 24 words with an aviation theme I can load them into the magic machine and generate a puzzle. I can also do more crossword puzzles but I'd need a list of words with relevant clues – any wordsmiths out there? All contributions will be credited to the author.

Well, that's me until next month.

Happy flying – Rob M

Miniature Aero Sports NSW Inc

MINUTES

Business Meeting
Workers Parramatta
12th April 2013

Meeting Opened 8.00pm

Attendance: D Lewis WPMAC, T Nolan ROW, R Masters MMASFC, D Costelloe QFS, D Lacey SSME,
E Ashley Cootamundra MC, G Atkinson WRCS, B Swan UMAC, K Barnes PRCAC,
R Carpenter HMAS, B Bishop CMAC, S Norrie NSWASAS, M Stone HSL

Visitors: M Chapman UMAC, M Swan, S Murray PRCAC, G Hoy CMAC

Apologies: B Thrift CVRCMAC, D DeVries SSSMAC

Minutes: Motion that the minutes of the meeting held on 8th March 2013 as distributed in
Newsletter 354 be accepted as a true and accurate record of that Meeting.

Moved: UMAC **Seconded:** WRCS **Carried**

Business Arising:

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

Correspondence In From MAAA:

- M 1.1 Advice Secretary out of office from 15 April to 19 May 2013.
- M 1.2 MAAA Newsletter 1-2013
- M 1.3 CASA use of MAAA Approved Model Flying Club Fields
- * M 1.4 2013 Rule and Conference Agenda
- M 1.5 Resignation of Chairman of Flight Training sub committee

From other than MAAA:

- C 2.1 R Montgomery GCAC, flight training nomination (forwarded to CFI)
- C 2.2 C Buckley WRCS, request for additional bronze wings
- C 2.3 T Nolan, D Costelloe nominations for MAS NSW Executive
- ** C 2.4 G Whitfield, Mildura, Inquiry as to hosting the 2013 NSW Thermal Championships
- C 2.5 P Pine, results from F5J Nationals
- ** C 2.6 A Lowe, HSL various items re 2013 NSW Thermal Championships
- ** C 2.7 P Gibson, Salt Ash MAC re 2013 NSW Thermal Glider Championships
- C 2.8 R Carpenter, B Bishop, G Atkinson Nominations for MAS NSW Executive
- C 2.9 B Menzen, replacement Gold Wings
- C 2.10 J Hodson replacement MAAA Card

- C 2.11 A Burston WSC, advice on deregistration of incorporated club
- C 2.12 VMAA, response to Helicopter Gold Wings testing standard
- C 2.13 R Masters, D Lewis, D Devries, S Norrie nominations for MAS NSW Executive
- * C 2.14 J Rolf, Scale Society, Concerns over the changes to 7kg weight limit.

- C 2.20 Received completed Large Model Permits to fly forms from the following:
G Hutchinson ROW, R Carpenter HMAS, W Dand CKSMAC, G Harrod COMSOA (x2),
R McGinty IMAC, B Sawtell LTMFC, G Nafte SSSFA, B Dennison SSSFA,
P Gow CVRCMAC (x2), R Bowles BRCF, K Wood LTMAC, J McGuffin CMAC (x3)
D Strachan OMAC (x2), P Dombrowski CMAC, R Zyp SRCS, M Parker IMAC

Late Permits Nil

- C 2.21 Received Cancelled Large Model Permits to fly forms from the following:
R Bowles BRCF

- C 2.22 Newsletters Received:
MASA
Airflow from MAAQ
Model Flying New Zealand

Late Correspondence:

Nil

Correspondence Out:

To MAAA:

To other than MAAA:

Business Arising from Correspondence:

- M 1.4 The President acknowledged receipt of the Rule and Conference agenda and will address the next meeting with a précis for the membership.

- C 2.4 The President provided the meeting with a review of this item as to the hosting of the **MAS NSW Thermal Glider Championships**, where due to lack of interest to host it they were awarded to the Mildura club with the event being flown at Wentworth in NSW. The Mildura club have again enquired about hosting the event, and as a result enquiries were begun with the Glider subcommittee to see if any other club would be interested in hosting the event. A response was received from the Salt Ash Club (north of Newcastle) to host the event. This club is not affiliated through MAS NSW.

The meeting then discussed the matter in detail and the following motion was put from the floor.

“That as Salt Ash are not affiliated through MAS NSW that the application is declined”.

Moved: UMAC **Seconded:** SSME **Carried**

The Secretary is to advise Salt Ash Club accordingly.

- C 2.14 The President then read the correspondence from the NSWASAS outlining their concerns over the possible changes to the 7kg – 25kg weight limit. He indicated to the meeting that these comments will be taken into consideration by the MAS NSW delegates in conjunction with the other comments from our members, and in discussion with the other stakeholders at the MAAA Conference.

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

Moved: NSWASAS **Seconded:** PRCAC **Carried**

Reports:

Treasurer: **Bob Bishop**

Business arising from the Treasurer's Report:

Motion that the Treasurer's report be accepted and above accounts be approved for payment.

Moved: NSWASAS **Seconded:** UMAC **Carried**

Other Reports:

President **Bob Carpenter**

On the 16/17 March MAS NSW hosted the inaugural Australian 3DX championships. The location for the event was the HMAS field at Vineyard. This event, while small in comparison with some of the other international events gained enormous support from the International visitors. There will be a separate report on this event in the newsletter and we (MAS NSW and HMAS) have been asked to host the event again next year.

Whilst it was primarily a helicopter event MAS NSW used their demonstration slots to show all different facets of flying. We demonstrated that Fixed Wing and Helicopters can work together at the same location.

We also had the support on Saturday of the Red Bull promotion vehicle and two of their hostesses. This was very well accepted by all those present and we hope to continue our relationship with Red Bull for future events.

It is interesting to see in the photos from the event that MAS NSW, as the lead sponsor, had its name prominently on the top of the major marquee. We need to continue this type of promotion to increase our acceptance by both the community and modellers. Your executive is working to hold further events for the promotion of all facets of Radio Control modelling involving the community and our member clubs. We will keep our membership updated as these plans take shape.

The MAS NSW AGM will be held on Friday 10th May. Your entire present Executive has decided to renominate for their positions and subject to formalisation at the AGM, the same team will continue to work on your behalf. However, I would like to bring it to everyone's attention that we must look forward and work out a succession plan for the future. This team will not be there forever. We need all members to think if they would like to assist in the administration and running of our Association. Please consider if you would like to assist in any way whatever. The current team will assist and train anyone that would like to help.

Your executive will also be representing you at the 2013 MAAA Council Conference on the 18/19 May in Melbourne. The initial Agenda has been received and we will be reviewing and putting the key motions on our web forum for feedback from our members. There is a key point that is mentioned at every Council Conference and that is that the members of the Council whilst representing their respective organisations are the head body of the MAAA and therefore they should be looking at all motions from a National viewpoint not only their own organisations' thoughts. We will be taking all comments from our members but also listening to the inputs from other representatives from other parts of Australia prior to any votes being cast.

Registrar

Dave Lewis

Current Year		New to System	As of March 2012
Seniors (Includes Pensioners)	2277	262	2235
Juniors	117	42	110
No. of Clubs	86		94
Total Membership	2394	264	2345

The Registrar will be travelling overseas from 14/4 till 19/5. Therefore there will be no response to Hardcopy mail and only limited access to Emails. If the House Dragon finds out I have been "Working" I may well not return with all empennges intact!

Traditionally the MAS NSW Fee structure is set at the AGM (10th of May) and the MAAA component set the following weekend at the Council Conference (17-19 May).

Every attempt will be made to publish (by Email to Club Contacts) the 2013-2014 combined fee structure on the 20th May. Soon after the renewal notifications in hardcopy form will be sent out by Post to the current club Secretary/Registrar. I anticipate these being in Club hands by mid/late June.

Chief Flying Instructor

Bob Carpenter

I have had nominations for the Instructors Course and Workshop at Taree on the 15th and 16th June. I have been told that there will be some new applicants from the Sydney area travelling to Taree. For all those clubs that would like to be involved please send your nominations to the Secretary.

For those current instructors who would like to be involved and see the changes that are now used in the course we welcome your participation, but please let us know that you will be attending. Once again notify the Secretary.

If your club would like to provide a couple of observers whether they be club executives or prospective instructors who have not yet obtained their Gold Wings, we welcome their attendance.

State Flying Field Secretary / PRO

Steve Norrie

The mezzanine/viewing platform is now complete and looks great. Just requires some signage to allow final signoff by council.

The cattle grid at the inner gate has been installed and is now ready for use

Work on the shower, complete with a gas powered hot water system has been finished. We need to provide the hand rail, shower curtain, towel rail and exit sign to finish it off. Council will then provide final signoff. I am still waiting for the plumbers invoice.

On the weekend of 29th March the Electric Glider Nationals were held at Cootamundra, the weekend was blessed great weather and as a result the contestants had a close competition. Peter Pine and his team were well organised so the event was completed without a hitch, as the whole field can be seen from the mezzanine. It was great from this vantage point. Ted Ashley and I travelled to Cootamundra to provide catering for the event as the local B&S weekend left us with no local catering services - lots of work but we still managed to have really good weekend. Thanks to the locals for doing the shopping for us.

Other reports:

The 3DX Australia report, which was held at the HMAS on 16-127 March, is contained in the newsletter as a separate article.

Awards:

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

Paul Barbour	CVRCMAC	76526
Ronald Atkins	SSSFA	73952
David McAlpine	HMAC	76266
Colin Frederick	SSSFA	49840
Perrin Dombrowski	CMAC	62166
Roger Crouch	WRCS	73648

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

Peter Besant	FATMAC	61991
Tim Rochfort	HMAS	76446

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:

No applications received

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

Grant Neill	WRCS	67076
Apo Taberdian	WRCS	73557

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

Moved: HSL **Seconded:** CMAC **Carried**

MAAA Inspector Approvals:

Heavy Model FW 25 Inspector Approvals

Nil received

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

MASNSW POINT SCORE COMPETITION AWARDS 2012:

SASNSW	ScaleMetford	Mar 2013
HSL	Glider Heathcote	Mar 2013
NSW Pylon	Sportsman Pylon Nowra	Mar 2013

General Business:

The first item of General Business is:

The next Business Meeting and Annual General Meeting of MAS NSW will be held at the Garden Terrace Room, Workers Parramatta, 163-165 George Street, Parramatta on the 10 May 2013. The meeting to commence at 8.00pm, (2000hrs), All Members, Observers, and Visitors are welcome.

It has been asked if we could assist in advertising the indoor flying event at Menai in the Newsletter, it is held on the second Saturday of the month from 7-10pm. Cost is \$10-00 per pilot. See more details in the Newsletter. Information was also given of a new indoor flying site at Kellyville, details will be coming and more details in the Newsletter.

There was discussion regarding holding a MAS NSW fly in at a Sydney club later in the year. There would be club flying on the Saturday and open to the public on the Sunday. It is envisaged that this would be an opportunity for clubs to promote themselves and also a great opportunity to showcase what model aviation is all about. More importantly, a great opportunity to show what we are about and that it is a family activity etc. More details will follow as they are confirmed.

There is a planned Hobby Day at the Penrith International Regatta Centre on Monday 10 June. There will be a variety of hobbies on display, including Seaplanes, Taskforce 72, large sailing boats, gas and nitro racing boats, nitro and electric model cars. As more details become available they will be published on the web and in the Newsletter.

There being no further business before the meeting, the meeting was declared closed at: 9.30pm

MASNSW 2013 Events Calendar

(Compiled 13/4/2013)

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

April 2013

27-28	Wyong River 4th Old Timer Weekend	Wyong	Basil Healy	02 4341 7292
26-28	66th National Championships – Pattern	Pitt Town	Richard Knox	02 4446 1021

May 2013

4-5	Veterans Gathering	Muswellbrook	Phillip Thichtener	0417 725 981
10	MASNSW AGM	Paramatta	Bob Carpenter	02 4577 6612
12	Mothers Day			
* 12	Sportsman Pylon	Illawarra	Jeremy Randle	0418 390 446
16-19	Hellifest 2013	Coffs Harbour	Scott Lockyer	0488 528 353
17-19	MAAA Council Conference			
18-19	COMSOA Scale Fly In	Metford (Maitland)	Paul Robertson	02 4946 8334
18-19	Sydney City IMAC – ASAA Aerobatics	HMAS Vineyard	James Owen	0412 573 379
19	2m Thermal Glider Millennium Cup Round 4	Salt Ash	Paul Gibson	0425 356 533
25-26	NSW State Champs - Large Scale	Taree	John Rolfe	02 9734 6288
25-26	Pattern/Aerobatics	Queanbeyan	Richard Knox	02 4446 1021
26	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440

June 2013

* 1-2	Sportsman Pylon	Pitt Town	Jeremy Randle	0418 390 446
1-2	Spad Fest	Warialda	Laurie Reily	02 6729 4165
14	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
10	Public Holiday NSW			
8-10	Sport and Scale Fun Fly	Coffs Harbour	Norm Young	0434360813
8-10	LSF Nat'l Glider Event / F3J Team Selection Trials	Jerilderie	Alan Lowe	0416 207 251
8-10	Parkes Pow Wow – ASAA Aerobatics	Parkes	Lindsay Wall	0428 625 305
9	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
15-16	Pilots Choice Scale	Gunnedah	Paul Hartley	02 6742 1926
15-16	MAAA Instructors Course	Taree	Bob Carpenter	02 4577 6612
* 15-16	New England Gas Champs – Old Timers	Tamworth	Basil Healy	02 4341 7292
* 22-23	Pattern / Aerobatics	Wingham	Richard Knox	0417 483 689
* 29-30	Sportsman Pylon	Nowra	Jeremy Randle	0418 390 446
30	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440

July 2013

12	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
* 13-14	NSWSAS Round 3 Scale	Blacktown	John Rolfe	02 9734 6288
13-14	50cc Coota Showdown – ASAA Aerobatics	Cootamundra	Luke Brodrick	0411 790 397
* 20-21	Open Handicap Gliding	Gunnedah	Paul Hartley	02 6742 1926
* 20-21	Golden West Old Timer Competition	Parkes	Peter Smith	0423 452 879
27	OS Day at WRCS	Belrose	Col Buckley	02 9918 0908
27-28	Frank Bryant Memorial Warbirds Weekend	Muswellbrook	Phillip Thichtener	0417 725 981
28	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440

August 2013

* 3-4	Sportsman Pylon	Pitt Town	Jeremy Randle	0418 390 446
4	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
9	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
17-18	NSW State Champs - Stand Off / Open Scale	Richmond	John Rolfe	02 9734 6288
17-18	Wagga IMAC – ASAA Aerobatics	Wagga	Luke Brodrick	0411 790 397
18	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
24-25	TARMAC Scale Rally	Tamworth	Richard Exler	0438 314 882
31/8-1/9	Oily Hand Diesel Day	Cowra	Andy Luckett	02 6342 3054

September 2013

* 7-8	2m Thermal Glider Millennium Cup Round 5	Taree/Old Bar	John Kinlay	02 6555 3364
7-8	Belconnen/Yass Old Timer Weekend	Yass	Grant Manwaring	02 6241 1320
7-8	Albury IMAC – ASAA Aerobatics	Albury	Warren Leach	
* 7-8	Pattern/Aerobatics	Gunnedah	Richard Knox	04 4446 1021
13	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
13-22	Manilla Slope Soaring Festival	Manilla	Stephen Wenban	0437 032 660
22	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
25-29	66th Nat'l Championships - R/C Scale State Field	Cootamundra	John Rolfe	02 9734 6288

October 2013

5-6	Eastern States Gas Champs – Old Timers	Wangaratta	Grant Manwaring	02 6241 1320
5-6	MASNSW Fly-In and Public Flying Display	Vineyard	Bob Carpenter	02 4577 6612
7	Public Holiday NSW			
7	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
11	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
13	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
* 16-20	Coota Cup – Old Timers	Cootamundra	Grant Manwaring	02 6241 1320
* 19-20	NSWSAS Scale Round 4	Richmond	John Rolfe	02 9734 6288
19-20	Sportsman Pylon	Marulan	Jeremy Randle	0418 390 446
* 26	Pattern/Aerobatics	Camden Valley	Richard Knox	02 4446 1021
* 20	2m Thermal Glider Millennium Cup Round 6	Maddens Plains	Fred Lodden	02 8576 6431
25-27	Twin Cities 30th Annual Float Plane Weekend	Albury	David Balfour	02 6043 3169

November 2013

8	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
9-10	Warialda Fun-Fly	Warialda	Laurie Riley	026729 4165
* 10	Shoalhaven Shield, 2m Glider Millennium Cup Rd 7	Bomaderry	Ian Avery	02 4232-1093
* 16-17	Old Timers Event and C/L Fly-In	Muswellbrook	Phillip Thichtener	0417 725 981
17	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
23-24	Sportsman Pylon	Marulan	Jeremy Randle	0418 390 446
23-24	Pattern/Aerobatics NSW State Championships	Illawarra	Richard Knox	02 4446 1021
29-30/11 – 1/12	ASAA Aerobatic Australian Championships	Yenda ACT	Norm Frazer	0402 485 384

December 2013

1	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440
13	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
15	Seaplanes over Penrith	Penrith	Tim Nolan	0412 173 440

January 2014

February 2014

14	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
15-16	Banjo Patterson Rally	Orange		

 MODEL AERONAUTICAL
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NEWSLETTER
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*"Spektrum Gratton Air International,
I congratulate all those who assisted in
staging the event"*

President's Report

Executive Changes

Over the last month several changes have taken place within the executive of the MAAA. Mr Paul Winter tendered his resignation as President of the MAAA as he felt he no longer had the full confidence of the Council. Paul served on the MAAA Council for a period of four and half years and during this time served in the positions of Vice President and President. Paul is a dedicated aero modeller who volunteered his time to assist in the promotion of our great hobby/sport. Paul is a builder and I understand since stepping down from the President's position has found time to busy himself in his workshop building a FT19. On behalf of the MAAA Council and Executive, I thank Paul for his contributions to aero modelling and wish him all the best for the future.

In accordance with the MAAA rules, in the event of the President (in this case) retiring from the position, the Executive is empowered to appoint an interim President. The Executive subsequently nominated the Vice President, Neil Tank as stand in President up until the next Council Conference which will be held in May 2013. On the appointment of the Vice President to the President's position, the Vice President's position automatically became vacant. In accordance with the rules, the Executive also has the power to appoint a member to this vacant position. The Executive discussed options available and took into account the nearness of the Council Conference; it was decided to leave the Vice President position vacant until the conference.

Strategic Planning Workshop

As advised in the last newsletter, the Strategic Planning workshop was held in Adelaide. Thirty members from all states attended and spent one and a half days discussing ideas in respect to the future direction of the MAAA. Many ideas were recorded and now we face the tasks of analysing the information and determining the priority items. Many good ideas were put forward; some suggestions are achievable in the short term and others will take longer.

It is interesting to note that in 1995, the then Council went through a similar exercise utilising an outside consultant. The results of the 1995 planning exercise are very similar to the 2013 workshop. For reasons only known to those who were involved in the 1995 exercise, only some of the 1995 recommendations were implemented. Once all information is collated, a report will be prepared and distributed to all Council members for discussion at the forthcoming Council Conference.



Ross CantComp, Rules Secretary
PO Box 670 Mount Lawley WA 6929
Telephone 0404 634 366

Model Weighing Up to 150kg

For those who are not aware, CASA recently requested the MAAA to take on the task of certifying models up to 150 kilograms, the MAAA limit previously being 50 kilograms. This request came about due to an application for certification of a PBY Catalina (pictured below), weighing about 120 kilograms. This issue was discussed at the Strategic Planning Workshop and all Council members confirmed the MAAA should agree to the request. At this point of time, no guidelines have been agreed to; the finer details will be worked out in consultation with the heavy model subcommittee. The inspection of the 120kg model will be carried out by experienced heavy model inspectors who will, during the process, identify any special or additional requirements that may need to be included in the MOP.

We do not initially expect see too many applications for inspection of these models, large mainly due to the fact that logistically they are very difficult to move around the country. If you have seen the latest Airborne featuring Mike Farnham's Constellation which weighs around 42 kilograms, you can only imagine the size of the 120 kilogram Catalina and the logistics required to take it to the flying field.

Spektrum Gratton Air International

The Spektrum Gratton Air International was conducted during February, and although I did not attend, from all reports it was a huge success. The MAAA Executive was represented at the air show by our secretary Kevin Dodd. I understand the event was so successful it will be conducted again next year. I congratulate all those who assisted in staging the event.

During the planning phase, the MAAA was approached and asked to assist with sponsorship. The MAAA Executive readily agreed to the request as we considered these types of events help to raise the profile of aeromodelling. We all know our hobby, like all other sports, is feeling the effects of competing activities. Notwithstanding this, we also know that many hundreds of ARF Park Flyers and other model aircraft are sold every day. No longer can we sit back and live in hope, we must put the organisation out there and show the general public the values of joining MAAA Clubs. Our main aim however as the leading recognised model aircraft authority, should also be to promote safe aeromodelling to all.

Flight Training Manual

The Executive has recently received the draft of the new Flight Training Manual. A great amount of work has been put into this manual by Kent Jorgensen from the ACT. I thank Kent for his efforts so far; I have put similar manuals together myself and I can assure members that it is not an easy task.

The draft manual will be discussed by the Executive and Flight Training Sub Committee. Not everybody will agree to everything in the manual but consensus must be the final arbitrator. There is an old saying, "You can please some of the people some of the time, but not all of the people all of the time". The same applies to the MAAA.

Neil Tank
President

Incident Reports continue to indicate a rise in serious injuries caused by propeller strikes to fingers, arms and legs from models with electric motors and propellers.

All modellers operating any electric powered model are reminded to treat these models as 'live' until the batteries have been physically disconnected.

Frequently Asked Questions

The **Frequently Asked Questions** page on the MAAA website (www.maaa.asn.au) is now broken up into three sections:

- general questions
- questions and answers regarding 2.4GHz equipment
- Insurance

Recent additions have been made to the Insurance section.

National and International Events

66TH MAAA NATIONALS – NSW ASSOCIATIONS

The 66th Nationals to be held in NSW during the 2012/13 period will be a split event.

Control Line events were held in Albury from 28 December 2012 to 3 January 2013.

Free Flight events were held at Narrandera from 3-8 January 2013. Results for these events are available on the MAAA website at www.maaa.asn.au.

Radio Control events are to be run by the R/C Special Interest groups who will coordinate their own individual events at various locations throughout the year.

Team Trials for 2014 Events

Proposed F2 Events for Team Trials.

67th National Championships to be hosted by VMAA.

Dec 2013/Jan 2014

South Australia State Championships

F2A, F2B, F2C *Adelaide Cup weekend 2013*

Monarto/Callington TBC

Western Australia State Championships

F2B: May

F2C: May/June

F2D: Sept/Oct. *Exact dates to be advised.*

Whiteman Park.

Victoria State Championships.

F2A, F2B, F2C, F2D.

Venues to be advised. Easter weekend 2013

Queensland State Championship

F2B and F2D at this stage.

Venues and dates are still to be decided.

New South Wales State Championships

F2B and F2D

June long weekend. Whalan Reserve

F2A and F2C. *October long weekend. Twin Cities.*

2013	
EVENT	Awarded to
F1 A,B & C	France – Dates: 3 – 10 August
F3A	South Africa – Dates: 15 – 25 August
F3B	Germany – Dates: 1 – 11 August
F3C/N	Poland – Dates: 19 – 28 July
F3D	Netherlands – Dates: 22 – 29 July
F3K	Denmark – Dates: 22 – 28 July

2014 F3J (Glider) World Championships

League of Silent Flight will be conducting the selection trials for the Australian F3J team to compete at the 2014 World Championships. It is intended to run the trials in conjunction with this year's annual Jerilderie Gliding tournament. This tournament will be held over the June 8th to 10th 2013 Queen's Birthday long weekend.

2014 F5D (Electric Pylon) World Championships

Location will be Maryborough MAC, Maryborough, Queensland on the 5th, 6th, 7th October 2013.

Format is a single event over the 3 day long weekend, minimum 9 rounds. Other racing classes will be flown on the weekend as well, to give time between rounds of the F5D competition.

Entry is open to all registered MAAA members as well as open to affiliated international competitors.

Entry fee of \$20 for the event (other classes on the weekend also \$20 per class). Entries close 8am on 5th October 2013, racing starts 9am that day.

Team placing will be offered to the highest placed 3 Australian pilots. In the event of any of these pilots unable or unwilling to attend the World Champs, then next in placing will be offered the positions. Only pilots who actually finish scoring flights in the contest will be offered team places (e.g. if a pilot enters but does not finish or start any races they will not be eligible for a team place).

2014 F3A Asian Oceanic Continental Championships to be held in Thailand in May 2014.

The team selection trial will be run in accordance with the current FAI F3A rules, at the TMAC club Albury on the weekend of the 5th and 6th October.

A place will be offered for three team members from 1st down to 10th place in the F3A class providing that these pilots accept the position of being a team member, plus one junior can be nominated.

There is no additional fee required, only the entry fee for the Championship competition.

Only MAAA members are eligible to represent Australia.

The contest will be run by the Australian Pattern Association.

Note: A Junior must have taken part in team selection trials to be eligible for selection in a team. MOP024 International Team Procedures.

Spektrum Gratton Air International

Trophy Display Table – Competitors and Sponsors



Ali Machinchy's Insane Jet Powered Glider



Sunday Crowd

Steve Thomas (organiser) and his Catalina



Tight Racing in The Reno Pylon Race final



Machie Jet final approach for a smooth landing



International Guests enjoying Australian hospitality



66th MAAA Nationals 2013

Radio Control Program

The 66th MAAA Nationals is being hosted by NSW with the Control Line and Free Flight events being hosted by their respective bodies.

Due to the changes in Aeromodelling and the Contest scene MASNSW Inc. is taking this opportunity to provide the Radio Control events across the whole year where they will be managed by the specialist competition bodies.

The following table lists all the events to be conducted with contact details. This will be updated throughout the year via the Newsletter.

A major advantage of this new form of Nationals events is that you will have access to the best in each category with the events conducted by the specialists at a venue of their choosing.

Glider/ Electric Glider	Events
Armidale Sailplane Expo 25-28 January 2013 Contacts: Peter Pine 0407732440, Hutton Oddy 0425285758 Alan Lowe 0416207251	Electric: (Peter Pine) F5J Limited Electric Glider Glider: (Hutton Oddy) Open Thermal F3K F3J
Electric Old Timer	Events
MASNSW State Field, Cootamundra 23-24 February 2013 Contact: Lou Amadio 0405366038	1/2A Electric Old Timer Texaco Open Electric Old Timer Texaco Electric Old Timer Duration Height Limited Electric Old Timer Overall Champion
Pattern	Events
CKS, Pitttown 26-28 April 2013 Contact: Richard Knox	F3A Aerobatics Masters F3A Expert Advanced Sportsman

Helicopter	Events
Lake George , Canberra, ACT 4-5 May 2013 Contact: George Atkinson 0414972118	F3C Advanced Novice F3N
Scale	Events
MASNSW State Field, Cootamundra 25-29 September 2013 Contact: John Rolf 0402102512	F4C Large Scale Stand Off Scale Open Scale
Large Scale Racing	Events
MAS NSW State Field, Cootamundra 25-28 October 2013 Contact: Joe McGuffin	Golden Era Inline Golden Era Radial North American AT6 Reno 62cc Red Bull 120 Glow. Red Bull 30 Petrol Formula F1 Formula F2
IMAC (ASAA)	
Location: TBA Date: TBA Contact: Bill Bland	Basic Sportsman Intermediate Advanced Unlimited Freestyle

F5J Results from Cootamundra

Rob Watson

The NEFR 2013 Limited Electric Glider (LEG) competition was true to form with very close results. In fact, looking closely at the numbers, some of the closest results we have seen for some time. First place went to Mike Beatty by 6.6 normalized points - or about 2 points/seconds over 5 flights - with Bob Hickman in second. This was a very close result, but third was separated by even less so 4th place deserves a mention. Peter Pine took 3rd by 0.1 normalized points over Dave Pratley in 4th place - an astonishingly close result. 5th and 6th were also separated by 0.1 normalized points.

Weather conditions were very good for the event. Competitors are to be commended for being prompt to take the field, even with all the distractions of many other events, and sometimes coming straight out of one event into another. As CD and a spectator for the event, I found it very enjoyable. Full results provided on pg 32.

Club News

More on the Cootamundra State Field



The mezzanine/viewing platform is now complete and looks great. Just requires some signage to allow final signoff by council.



The cattle grid at the inner gate has been installed and is now ready for use

Work on the shower, complete with a gas powered hot water system has been finished. We need to provide the hand rail, shower curtain, towel rail and exit sign to finish it off. Council will then provide final signoff. I am still waiting for the plumbers invoice.



On the weekend of 29th March the Electric Glider Nationals were held at Cootamundra, the weekend was blessed great weather and as a result the contestants had a close competition. Peter Pine and his team were well organised so the event was completed without a hitch, as the whole field can be seen from the mezzanine. It was great from this vantage point. Ted Ashley and I travelled to Cootamundra to provide catering for the event as the local B&S weekend left us with no local catering services - lots of work but we still managed to have really good weekend. Thanks to the locals for doing the shopping for us. Steve Norrie

For bookings please contact Steve Norrie
Email publicrelations@masnw.org or Phone 04 1887 4740

3DX Australia, 16 & 17 March 2013.

Jeff Barringer (3DX)

The inaugural 3DX Australia was held on the 16th & 17th March 2013 at the Hawkesbury Model Air Sports Inc, Bandon Road, Vineyard, NSW. My flight took me to Hong Kong for a few days and then on to Sydney. Organiser Hunter Wang took me for a brief visit to the field a few days before the event and I have to say I was



immediately very impressed with the potential of the venue. The flying field has properly marked runways and pilot stations, is perfectly south-facing so that the sun is never an issue, and sports a clubhouse with decking veranda and plenty of shelter should the heat

become a problem. The clubhouse area is slightly raised above the flying area, which allows for great amphitheatre type viewing. There is even a convenient creek within a hundred metres where seaplanes and helicopters with floats can take off and land. The club boasts around 100 members and most of them (and many partners) took the trouble to help out during the weekend.

3DX Australia took the same form as many 3DX events, having an Experts Class for local pilots and an International Class for world-class pilots, a perfect mix. The International Class was



attended by Nick Maxwell from the USA, 3D Masters winner in 2010 and well known for his support of 3DX events. Nick flew Thunder Tiger and also helped to judge the Experts Class. 3D Masters 2012 Experts Class winner Marco Rebelo also

flew Thunder Tiger, and past 3D Masters entrants James Dargue joined Nick, as did Jaehong Lee, from Korea, 3D Masters 2012 5th place and twice winner of 3DX China. Jaehong flew KDS machines to great effect. Marco also helped with the judging of Experts Class, while Kevin Einstein and James Searl helped with judging the International Class. Jamie Robertson from the USA and Charlie Song, Organiser of 3DX China acted as core judges, with Jamie representing Align for Demonstration Flying.

Abdul Rajak, Mohd Hafiz	Malaysia	GAUI
Adnan, Mohd Adrian	Malaysia	Align
Einstein, Kevin	Australia	NextD Rave
Luo, Jiawen	China	DT
Milsom, Jack	Australia	Align
Qiu, Yitao	China	KDS
Ridbamrung, Wicharid	Thailand	KDS
Searl, James	Australia	GAUI
Thaveesuk, Thanarin	Thailand	KDS
Wu, Yipeng	China	DT



It goes without saying that Australia is quite remote. In addition to my own trip from the UK, as you can see above there were some serious travel distances involved for the various entrants and sponsors, with participants from

Thailand, Malaysia, China, Korea and of course Nick and Jamie from the USA. Even the home-grown competitors had some ground to cover, James and Brett Dargue had a ten hour drive each way from their home in Melbourne!

Saturday

Flying began on Saturday morning with Experts Set Manoeuvres, with Wicharid Ridbamrung from Thailand taking an early lead from Yitao Qiu from China and

Thanarin Thaveesuk from Thailand. Jiawen Luo and YiPeng Wu from China also made an early showing. Interspersed with the 3DX rounds, there were Demonstration flights from KDS and DT, and also Nick Maxwell and Jamie Robertson put in some superb slots. Nick was flying Thunder Tiger and Jamie has recently joined Align, preferring the lightness and agility of the T-Rex. In spite of temperatures as high as 33 degrees Celsius, both the Sponsors and Hawkesbury Model Air Sports Inc put on some great flying, with the crowd being kept entertained by a Jet, Gliders, Scale, Aerobatic, 3D Fixed Wing and even a Turbine Helicopter. Philip Chadd provided an informed commentary.

For the 3DX event, Timmy Crofts provided us with a laconic and typically Aussie commentary. His dry humour and encyclopaedic knowledge really added to the relaxed atmosphere of the event, and I think we may have found a diamond in asking him to commentate. Experts Freestyle saw some ambitious flights, with Jack Milsom from Adelaide breaking into the top 5 by coming second at the expense of Jiawen Luo, leaving the overnight leader board as follows:

- 1) Yitao Qiu
- 2) Wicharid Thaveesuk
- 3) Thanarin Thaveesuk
- 4) YiPeng Wu
- 5) Jack Milsom

The Masters Class saw Nick Maxwell beat Jaehong Lee by only 7.5 points in Sets, followed by Marco and James. Nick put in a cracking Freestyle but Jaehong suffered a power loss and so was low-scored, leaving Marco and James ahead of him. The overnight positions were Nick followed by Marco and James just ahead Jaehong. The International Class were to fly Flight to Music the next day, which left a lot of room for Jaehong to catch up.

Sunday

While in Australia, I was fortunate to stay at my son's apartment and to have free use of his Triumph motorcycle. Having recently left the cold and damp of the UK in March, I can tell you that there is nothing better than an early morning ride in Australian sunshine to build the anticipation for a great day of 3D. Once again we had the help and co-operation of Hawkesbury Model Air Sports Inc, and when I arrived I was greeted by the wonderful aroma of cooking bacon, and so I waded into a Bacon and Egg Bun – wow, that was good!

First away was International Flight to Music, with Nick Maxwell again putting in a superb performance. Marco and James also gave us some memorable flights, but unfortunately James's flight terminated early when a gust of wind caused his music feed to disconnect. He was of course allowed a re-fly. Jaehong's flight to music was not that smooth either, first his batteries disconnected mid-air, used his yellow card for reply but then his machine again lost power and dropped behind the Safety Line, meaning that the round was zeroed. He was suffering some pretty bad luck, and this was not lost on the other International pilots, particularly Nick, who was relishing the competition and desperately wanted Jaehong to be able to give him a real flight. The sportsmanship and camaraderie of these guys has to be seen to be believed.



There followed another super round of Sponsors Demonstrations, including a dual flight from the DT pilots who had three extreme near-misses until the inevitable mid-air completed their slot. Bob Carpenter of Hawkesbury Model Air Sports Inc once again rallied his pilots and we were privileged to witness an aerotow of a 7.5 metre glider, which then remained aloft by thermalling above us. The jet flew again and gave a spirited display of huge sky-eating and incredibly fast manoeuvres, then slowed down for clean - and dirty low passes. There was more fixed-wing 3D and general flying to keep the crowd amused, and it was very satisfying to see that fixed-wing and helicopter events can be combined to create a superb Airshow.

Finals for Experts and Internationals went off really well with some spirited flying. In Experts, poor Jack Milsom had his Set Manoeuvres zeroed when he crossed the Safety Line, otherwise he was looking good for a top 3 position. With some very determined flying Jaehong Lee managed to pull back his scores to reach third position even without his zeroed Flight to Music (the Flight to Music score is carried forward into the Finals).

The Awards Ceremony followed, with fine crystal glass trophies presented to the top 3 pilots in each class. Organiser Hunter Wang was kept very busy throughout the weekend, as were many other members of the Hawkesbury Model Air Sports Inc. All in all, it was a fantastic weekend of co-operation, with seemingly everyone putting in effort to make it work, and we have to thank

Final positions:

Experts

1	Yitao Qiu	China	KDS
2	Thanarin Thaveesuk	Thailand	KDS
3	Wicharid Ridbamrung	Thailand	KDS
4	YiPeng Wu	China	DT
5	Jack Milsom	Australia	Align

International

1	Nick Maxwell	USA	Thunder Tiger
2	Marco Rebelo	Australia	Thunder Tiger
3	Jaehong Lee	Korea	KDS
4	James Dargue	Australia	Kasama

Looking forward to 3DX Australia 2014!

Airfield Under the Sea

Tim Nolan (SROW) sent this article in which I found very interesting. It comes up in many places on the web but unfortunately I have been unable to find an original source to which I can attribute it – apologies for the quality in some areas (Ed).

AIRFIELD UNDER --- THE SEA



「晴嵐」格納状態

「伊号400潜型」前甲板詳細

源・高野寛之

— 海防艦隊写真会誌 —

His Imperial
Japanese Majesty's
"Sensuikan Tokū"
[Special Submarines].
Designed specifically to
attack the Panama
Canal.

JAPAN'S SUBMERSIBLE I-400 AIRCRAFT CARRIERS

In many ways HIJMS I-400 was decades ahead of her time. She was the world's largest submarine with a length of 400-ft and a surface displacement of 3,530 tons. Above her main deck rose a 115-ft. long, 12-ft diameter, hangar housing three torpedo-bombers. These float planes were rolled out through a massive hydraulic door onto an 85-ft pneumatic catapult, where they were rigged for flight, fuelled, armed, launched, and after landing alongside, lifted back aboard with a powerful hydraulic crane. The I-400 was equipped with a snorkel, radar, radar detectors, and capacious fuel tanks that gave her a range of 37,500 miles: One and a half times around the world. She was armed with eight torpedo tubes, a 5.5-in 50-cal deck gun, a bridge 25mm anti-aircraft gun, and three triple 25 mm A/A mounts atop her hangar. The advent of guided missiles and atomic bombs transformed her from dinosaur to an overspecialised undersea menacing strategic threat.

The I-400 was originally designed so that it could travel round-trip to anywhere in the world, and it was specifically intended to destroy the U.S. controlled Panama Canal. A fleet of 18 boats was planned in 1942, and work on the first one was



started in 1943 at the Kure, Hiroshima arsenal. Within a year the plan was scaled back to five, and four (I-400, I-401, I-14 and I-13) were completed.

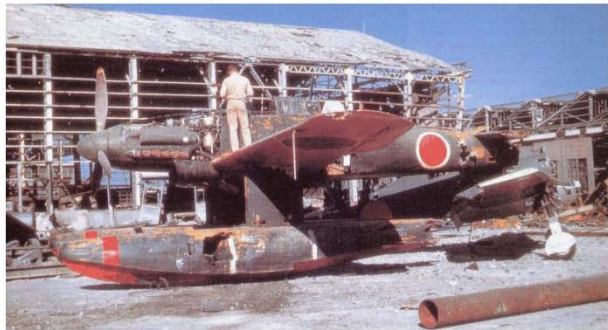


The I-400's had aircraft storage and catapult for three M6A1 *Seiran* (Storm from a Clear Sky) torpedo-bombers.

These specially-designed float planes had a length of 35-ft, a wingspread of 40-ft, a range of 654 miles, and a munitions payload of 1800-lb. Additional fuel and bombs could be carried by jettisoning the

floats on one-way missions where the pilots and planes were to be expended.. The sleek *Seiran*

bombers, built by Aichi Kokuki at Nagoya, were stowed in the hangar compartment with floats detached and wings and tails folded. Actually with the stabilisers folded down, and the top of the vertical stabiliser folded over the overall profile of the aircraft was within the diameter of its propeller. A trained team could rig a floatplane for launch with



fuel and armament in as short a time as seven minutes, in fact that trained same trained team could prepare all three planes, and have them in the air in under 45 minutes time. The planes were launched from a 120 foot catapult on the deck of the giant submarine.

Accommodations for a crew of 145 were designed into the capacious twin hulls, but on most occasions was much higher....somewhere in the 200+ range. The reason for the high number was to facilitate speedy submarine and aviation operations at sea. Even though the sub could surface, the trained crew could in fact could break out, assemble, fuel, arm, and catapult all three aircraft.....more men was an “assurance” of that. Also the I-400's had great cruising range which enabled them to launch her three bombers within striking distance of targets as far from Japan as San Francisco, the Panama Canal,

Washington, or New York. All of these missions were considered by the Tokyo Naval Strategists.

Below the hangar in the starboard twin hull was a special compartment equipped to conduct aircraft engine overhaul and test. An adjacent magazine stored four aircraft torpedoes, 15 bombs, and gun ammunition; more shells were stored topside in pressure-proof, ready-use lockers handy to the guns. Each of the two engine rooms housed a pair of 1900-hp diesels linked through Vulcan hydraulic couplings to drive the twin propeller shafts.



A 1200-hp electric motor-generator on each shaft drew electricity from her storage batteries to drive her submerged. With a clean bottom this propulsion plant gave her a top speed of 18.7 knots on the surface and 6.5 knots below snorkel depth.

Meals for her oversize crew were prepared in a galley in the starboard hull, where large steam kettles turned out great quantities of rice. As in all long range submarines, a four month supply of food was stowed in every cranny, including a layer of crates laid out on deck which the crew walked on until they'd eaten

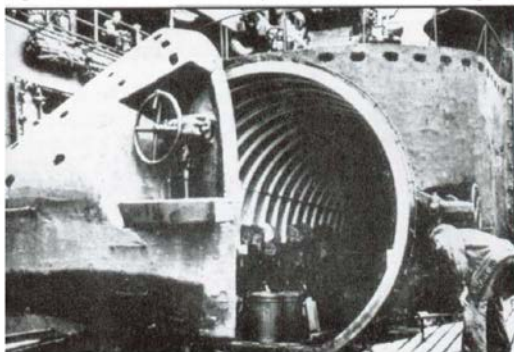
their way through. Supernumeraries slept on the deck wherever they could find a nook, being used to a floor and tatami mat.

OPERATIONAL HISTORY

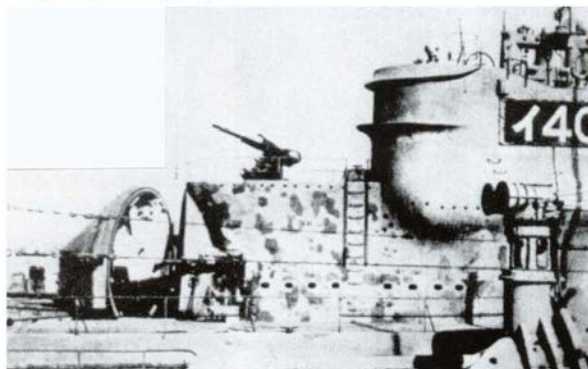
Several surviving Japanese submariners have described the hopes that accompanied the completion of the top secret boats in late 1944. As they became available the four giant submarines were assigned to a newly created SubRon One, a ten-bomber strike force.

For their first mission V. Adm. Jisaburo Ozawa, Vice Chief of the Navy General Staff, selected Operation PX, a top secret plan to

use SubRon One's ten aircraft to unleash bacteriological warfare on populous areas of the American west coast and Pacific Islands. Infected rats and insects would be dispersed to spread bubonic plague, cholera, dengue fever, typhus and other plagues. General Ishii's infamous medical laboratory at Harbin, Manchuria, had developed the virulent germ warfare agents and confirmed their lethality by infecting helpless Chinese and Caucasian prisoners.



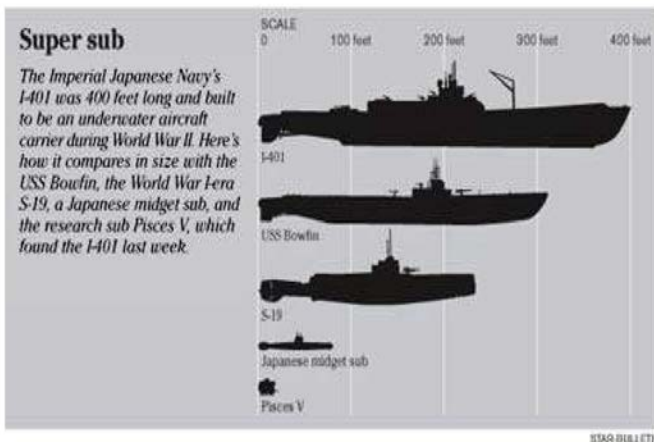
On 26 March 1945, this sinister mission was cancelled by Gen. Yoshijiro Umezu, Chief of the Army General Staff, who declared that, “Germ warfare against the United States would escalate to war against all humanity.” As an alternative, the staff considered bombing San Francisco, Panama, Washington or New York, and decided to launch a surprise air strike against the Panama Canal’s Gatun Locks. Destroying these locks would empty Gatun Lake and block the passage of shipping for months.



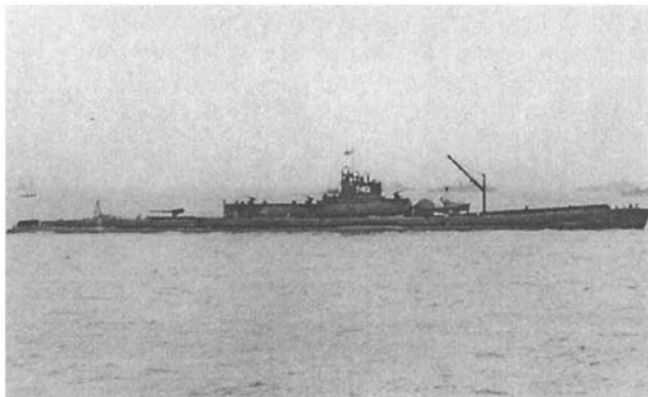
For the 17,000 mile round trip to Panama each submarine needed 1600-tons of diesel fuel, which was unavailable at Jure. I-401 was therefore despatched to Dairen, Manchuria, to bring back the needed oil. On 12 April she grazed a B-29 laid mine off Hime Shima Lighthouse in the Inland Sea and had to return for repairs. In her place I-400 successfully carried out the undersea tanker mission.

By early June all four boats were fuelled, armed, equipped with new snorkels, and disguised with false funnels. They sailed north through Tsushima Strait and the Sea of Japan to Nanao Bay on the west coast of Honshu near Takaoka. Training there was hampered by B-29 laid mines. American submarines penetrating their training areas, and shortages of aviation gasoline, material and aircraft, but SubRon One managed to launch a number of simulated air strikes on a full scale model of the Gatun Locks erected at Tayama Bay.

While the submersible carriers were perfecting their tactics to cripple the Panama Canal, the position of the Japanese Navy was steadily deteriorating. Before the submarines could set sail for Panama more than 3,000 Allied warships and transports had reached the Pacific for Operation Olympic, the



forthcoming invasion of Japan. This growing threat forced Tokyo strategists to reconsider the attack on distant Panama, which now appeared a questionable diversion. The I subs were ordered to abandon their carefully rehearsed canal strike and attack instead American Naval forces at Ulithi Atoll.



In response to the new orders, I-13 proceeded on 4 July, to the Ominato Naval Base on the northern tip of Honshu. There she loaded two crated Nakajima C6N2 *Ayagumo* (Coloured Cloud) long range reconnaissance aircraft, then sailed into the Pacific through Tsugaru Strait bound for Japan's island stronghold of Truk.

After repairing a hot propeller bearing, I-14 followed on 14 July. On the 23rd, I-400 and I-401 departed Ominato on separate tracks far to the east for a rendezvous at sea southeast of Ulithi in three weeks.

Suddenly, on 15 August, Emperor Hirohito broadcast direct from the Imperial Palace this dramatic decree ending hostilities. The I-boats crews were thunderstruck; their combat careers ended just as they reached the attack rendezvous. After a council of war meet, the shattered ComSubRon One reluctantly carried out Tokyo's orders to cease hostilities, hoist a black flag, and return on the surface to home port. The captains of the I-boats were ordered to jettison all documents and munitions, fire all torpedoes, and catapult all aircraft into the sea.

When I-401 surrendered to an American destroyer, the U.S. Crew was astounded at its size. The commander of the submarine fleet, Captain Ariizumi, apparently decided on suicide rather than surrender to the Americans. He requested that his body be wrapped in the Japanese flag and buried at sea and shot himself. His body was never presented as proof of his death.

The U.S. Navy boarded and recovered 24 submarines including the four I-400 subs, taking them



to Sasebo Bay to study them. While there, they received a message that the Soviets were sending an inspection team to examine the submarines. To keep the technology out of the hands of the Soviets, Operation Road's End was instituted. Most of the submarines were taken to a position designated as Point Deep Six, about 40 miles west from Nagasaki and off the island of Goto-Retto, were packed with charges of C-2 explosive and destroyed. They are today at a depth of 200 meters.

Four remaining submarines (I-400, I-401, I-201 and I-203 which achieved speeds double those of American submarines), were sailed to Hawaii by U.S. Navy technicians for further inspection. Upon completion of the inspections, the submarines were scuttled in the waters off Kalaeloa, near Oahu in Hawaii, by torpedoes from American submarine USS Cabezon on May 31, 1946. The reason for the scuttling is apparently that Russian scientists were again demanding access to the submarines. The wreckage of I-401 was re-discovered by the Pisces submarines deep-sea submarines of the Hawaii Undersea Research Laboratory in March 2005 at a depth of 820 meters.

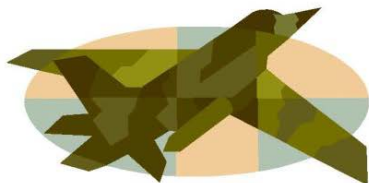
NEFR LEG Overall Results

[Cootamundra 29/03/2013]

www.GliderScore.com

Rank	Name	Score	Pcnt	Raw Score	Rnd 1	Rnd 2	Rnd 3	Rnd 4	Rnd 5	Drop1	Pity
					Dur	Dur	Dur	Dur	Dur	Dur	
1	Beatty, Mike	3996.8	100.00	4981.1	1000.0	*984.3	996.8	1000.0	1000.0	984.3	0
2	Hickman, Bob	3990.6	99.84	4857.1	993.8	1000.0	996.8	1000.0	*866.5	866.5	0
3	Pine, Peter	3968.9	99.30	4887.4	*918.5	996.9	1000.0	984.4	987.6	918.5	0
4	Pratley, David	3968.8	99.30	4633.4	1000.0	*664.6	993.7	984.4	990.7	664.6	0
5	Andrews, Gary	3950.0	98.83	4918.8	993.7	971.8	1000.0	*968.8	984.5	968.8	0
6	Osmond, Paul	3949.9	98.83	4918.8	990.6	978.1	996.8	984.4	*968.9	968.9	0
7	Lockett, Brian	3943.5	98.67	4884.5	978.1	1000.0	977.9	987.5	*941.0	941.0	0
8	Mayhew, Allen	3928.3	98.29	4893.5	990.6	990.6	*965.2	968.8	978.3	965.2	0
9	Rodrigues, Vernon	3924.8	98.20	4890.3	*965.5	990.6	968.5	965.7	1000.0	965.5	0
10	Calnan, Roy	3868.9	96.80	4825.2	*956.3	971.8	974.7	965.7	956.7	956.3	0
11	Pring, Mal	3865.4	96.71	4784.7	971.9	974.9	977.8	940.8	*919.3	919.3	0
12	Wight, Byam	3812.3	95.38	4743.8	981.3	953.0	943.2	*931.5	934.8	931.5	0
13	Wilson, Bob	3773.8	94.42	4662.3	909.1	978.1	895.9	990.7	*888.5	888.5	0
14	Ryan, Gary	2736.4	68.46	2736.4	0.0	896.6	889.6	950.2	0.0	0.0	0

Upcoming Events



COMSOA SCALE FUN

FLY 18th.and 19th. MAY 2013

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

Saturday the 18th-- Gate will be open about 0800 Flying can commence after 0900 . Fly as much as you wish. Registration starting after 0930

Sunday the 19th. 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

SPORTS MODEL

Lots of prizes in all categories, plus Model of the Meeting. Good value prizes as in previous years.

Cold drinks on sale all weekend with free tea and coffee. Free BBQ Lunch on Saturday and Sunday for all entrants.

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

***Pre entries** will be entered in a draw . Cut off date for the draw is Thursday the 16th. May.*

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

*For **general inquiries** contact Paul Robertson 49468334
For **entry information** contact Stewart Brackley 49470586*



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

RC PRECISION AEROBATICS - 2013

Well, the premier event for the year, the MAAA Nationals Aerobatics Pattern competition has been run and won. What an exciting three days it was. Congratulations to the winners, placegetters and all who gave it their best shot, making it a memorable event. The results are on the NSW Pattern Flyers website www.nswpattern.org.au, and will also be published in the next newsletter.

Our next even is to be held on the on the **25th and 26th May** at the Queanbeyan Model Aircraft Club. Their field is on Hoskinstown Road, off the Kings Highway at Bungendore. Directions to the field are contained in detail on their website www.flyqmac.info. The competition there last year was a great event, so we encourage you to come to the Queanbeyan MAC again.

We invite and encourage all newcomers who would like to learn to fly aerobatics properly, and with precision. It is a highly addictive feeling to nail a difficult manoeuvre, one that you may have seen done, but not know how to do, we will show and teach you how. If you are not sure and you are in the ACT/Queanbeyan region, why not come out for a look. Flying starts at 9.00am on each day. Any newcomers will fly the in the Sportsman Class. The Schedule is on our site www.nswpattern.org.au. If you can loop, roll, fly inverted and perform a spin, come and join in the fun, or just come to watch. Our Members will be keen to assist you in any way.

In **June** we go to Manning MAC at Wingham again who always make us most welcome. The Wingham event is on the 22nd and 23rd June.

We then take a winter break this year in July and August, with the first spring event at Gunnedah on the 6th and 7th September.

Other event dates for 2013 are being firmed up, and those that have been scheduled are shown in the MAS NSW Rolling Calendar.

For more information contact Richard Knox, on 02 4446 1021, or at rpknnox@bigpond.com



Warialda Australia's First Spad Fest

SPECIAL PLASTIC AIRCRAFT DESIGN
FOAM DEPRON ETC
ALL
OTHER AIRCRAFT ARE WELCOMED
FOR MAAA MEMBERS ONLY

JUNE 1ST & 2ND 2013

CATEGORIES

BEST SCALE

BEST FLIGHT

BEST STATIC

All categories judged by pilots with judging on Sunday 12pm to 1pm

FOR FULL DETAILS
PHONE LAURIE REILY 0267294165
BARRY POWER 0267291740

**CANTEEN TO OPERATE WITH HOT AND COLD DRINKS.
BREAKFAST ON SUNDAY MORNING**



NSW PYLON RACING **CLUB inc**



Q500, 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 2 June 2013 – 9:30am Pilot briefing

PLEASE NOTE- ENTRIES BY 9:00am SUNDAY

Must have proof of current MAAA membership
Entrants and callers must bring hard hats
No motor starts before 9am 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 Jeremy Randle 0418 390 446

Or check out the Web site
<http://www.nswpylon.org/>



**GUNNEDAH DISTRICT
AEROMODELERS
in
Association with the
F.S.A.A.**

SCALE RALLY
FOR MAAA MEMBERS

JUNE 15th & 16th 2013

CATEGORIES

Best F.S.A.A. Members model

Large Civilian over 70"

Large Military over 70"

Civilian under 70"

Military under 70"

ARF Military

ARF Civilian

Electric Military

Electric Civilian

TOP GUN

Must be fixed wing prop driven.

Enter as many planes as you wish for the one entry fee of \$20

Camping available at field toilet and shower on site

All categories judged by pilots with judging on Sunday 12pm to 1pm

PER ENTER TO hartleys.electrical@gmail.com with your category model name your name and club to save time on the weekend thank you

FOR FULL DETAILS

PHONE w 0267420222 ask for Paul or Ken

FOR MAP LOCATION GO TO OUR WEB SITE

www.gunnedahrc.com

**CANTEEN TO OPERATE WITH HOT AND COLD DRINKS.
PLENTY OF UNDER COVER AREA**

Bushman's Rest Caravan Park
Presents



Lake Cullulleraine R/C Float Plane Festival 1st July to 7th July 2013

Fly from the lake's edge right in front of the camping area



Casual flying open to all Monday 1st July – Friday 5th July

Fun-fly Saturday 6th July – Sunday 7th July

*Maintained grassed area to the edge of lake
Large open flying space with emergency retrieval boat on-site*

*Powered and unpowered campsites
On-site accommodation available in our Modern Lakefront Cabins or Farm style houses*

*Barbeque lunch available on Saturday and Sunday for small fee
Saturday Evening meal available at nearby Werrimull Hotel*

Open to all MAAA registered members

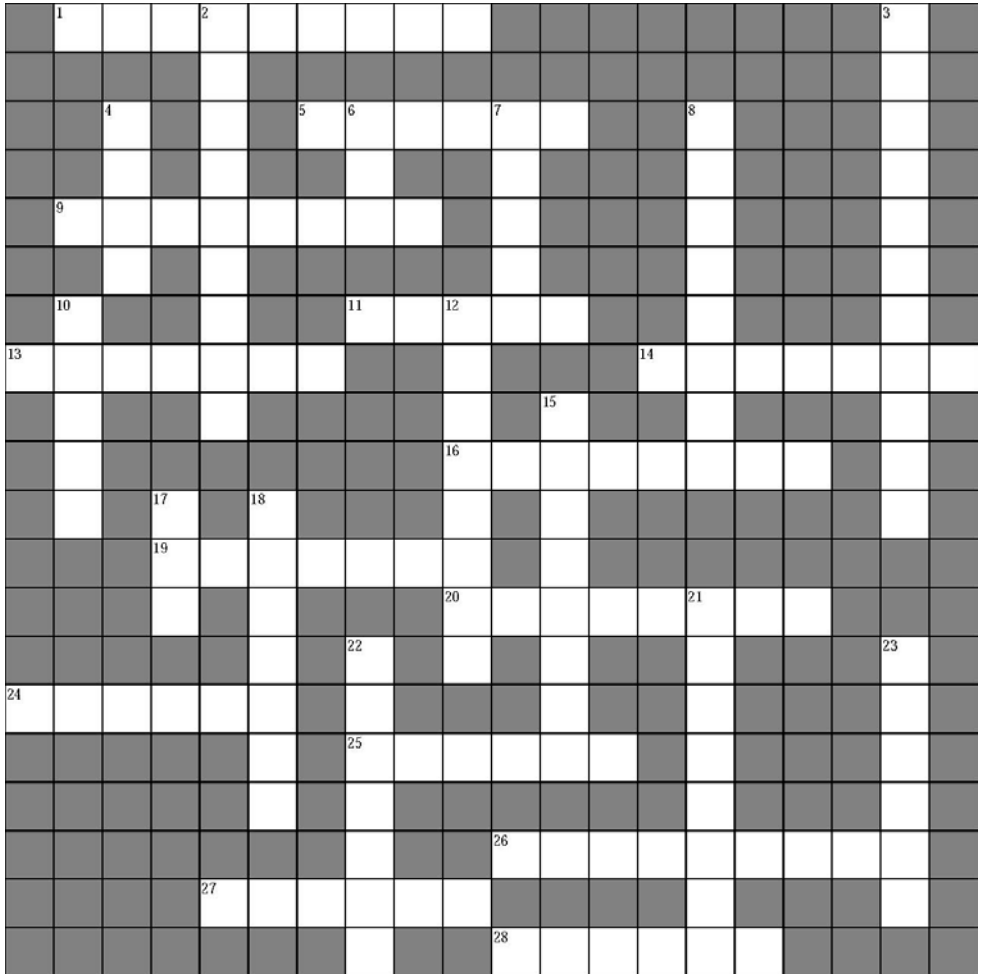
*For more information contact:-
Darren or Lea Smith
Bushmans Rest Caravan Park
Sturt Highway, Cullulleraine, Victoria
P 03 5028 2252*

*enquiry@bushmansrest.com.au
www.bushmansrest.com.au*



Crossword

Something different this month, a crossword puzzle covering common aircraft terminology. I'll try for a much larger puzzle next month.





Across

1. Type of turbine engine which drives an aircraft propeller (9)
5. Encloses the cockpit (6)
9. Cross-sectional shape of a wing (8)
11. Streamlined fairing partially covering wheels (5)
13. Fitted at wingtip to assist in reducing drag (7)
14. Ignition system using permanent magnets (7)
16. Device intended to reduce lift in an aircraft (8)
19. Streamlined fairing fitted over a propeller hub (7)
20. Controls the pitch of an aircraft (8)
24. Type of flap (6)
25. Support the upper wing over a biplane fuselage (6)
26. Construction method supporting loads through an aircraft's external skin (9)
27. Multicylinder air cooled engine (6)
28. Undercarriage suspension - particularly WW I (6)

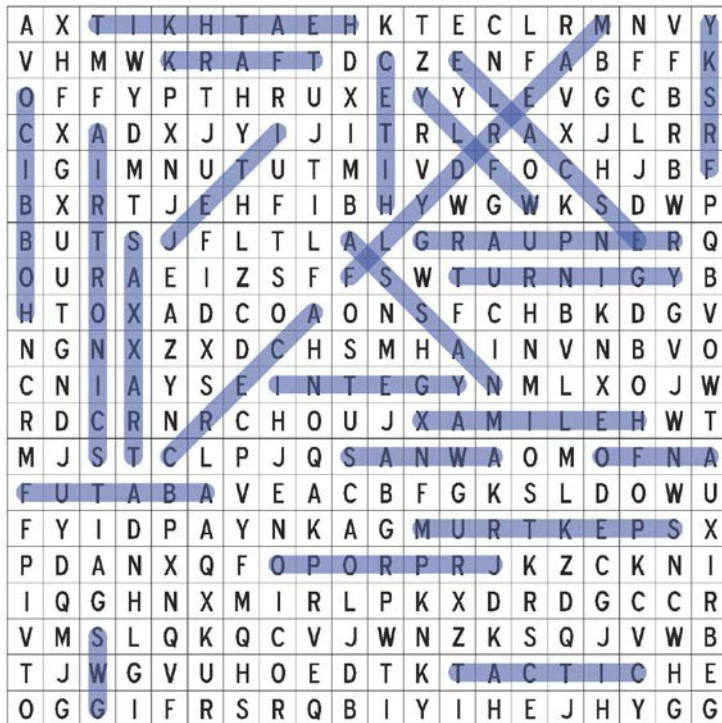
Down

2. Principle describing how wings produce lift (9)
3. Blends air and fuel in an IC engine (11)
4. Shock absorber used on the landing gear of aircraft (4)
6. Airspeed Indicator (3)
7. Pressure measurement instrument used to determine the airspeed of an aircraft (5)
8. Angle difference between the upper and lower wings of a biplane (8)
10. Stud used for fixing skin to aircraft framework (5)
12. Converts rotary motion from piston engines, turboprops or electric motors to provide propulsive force (8)
15. A thin strip of material, to which the skin of the aircraft is fastened (8)
17. Vertical Speed Indicator (3)
18. Controls the aircraft in roll (7)
21. Undercarriage type employing a nose wheel and two main wheels (8)
22. Location from which a pilot controls an aircraft (7)
23. Controls aircraft in the yaw axis (6)



Find a Word

Answers to last month's Find a Word. How did you go?



- | | | |
|------------|----------|----------|
| JRPROPO | ACERC | GWS |
| FUTABA | HELIMAX | HOBICO |
| HITEC | TACTIC | FRSKY |
| GRAUPNER | TURNIGY | FLYDREAM |
| SANWA | INTEGY | ASSAN |
| AIRTRONICS | OFNA | ESCALE |
| KRAFT | TRAXXAS | JETI |
| HEATHKIT | SPEKTRUM | WFLY |



For Sale

Planes & engines for sale in Sydney metro, well flown models & engines but still in good condition.

- **Older HD Model Design Sukoi large scale 88 inch aerobatic with rebuilt Super Tigre G-4500 and muffler, some servo's-\$350**
- **Yak 54 ARF aerobatic 56 inch wingspan complete with near new Saito 56 4-Stroke engine, servo's and fm receiver-\$250**
- **Super Tigre S-3000 with radial plate but no muffler-\$65**
- **Super Tigre G-2300 with pitts muffler, no prop nut & washer-\$75**

Call John 0439 772 002



**Deadline for submissions to
Newsletter #356 (June 2013) is
Tuesday 14th May 2013.**

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