

MINIATURE 
AERO SPORTS
NEW SOUTH WALES INC.



Another from Ted Oram, this month his 1/3 scale Piper Super Cub from the Balsa USA kit with modifications featuring all metal Frieze type ailerons and flaps with scale hinging as per the late model Super Cubs and numerous other scale details added. Weight is 33lbs/15kgs, power is an OS FT300 twin four stroke, radio is Spektrum DX8 running 2 x 6 volt battery packs with a 42Percent redundant battery setup. all servos are Hitec 645MG's. Covering is Stits PolyLite, paint is water based acrylic with clear urethane top coat.

The full size aircraft OE-CDM is part of the Red Bull Flying Wings Museum in Austria.

Photo courtesy Ted Oram

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What was it (pg 22 of NL 348)? The retract actuating mechanism of this stunning Wildcat seen at Top Gun 2012 in Florida.

Photos A Ogle and T Goff



Diary Notes

Next MASNSW Meeting

Friday 12th October 2012, 8:00pm at Garden Terrace Room, Workers Parramatta, 163-165 George Street, Parramatta.

Following MASNSW Meeting

Friday 9th November 2012, 8:00pm at Garden Terrace Room, Workers Parramatta, 163-165 George Street, Parramatta.

Newsletter #350 (November 2012) deadline for submissions
Tuesday 16th October 2012.

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

Vale Michael Robinson



Sadly we report the passing of Life Member of Werrington Park Model Aero Club and MASNSW – Michael Robinson. After being admitted to intensive care in early September, Michael lost his battle with a very aggressive form of Pneumonia on the evening of 20 September.

Michael was a long standing friend and mentor to many of us and will be greatly missed. He began his aeromodelling career in 1958 at the age of 11 when he started building and flying control line models with his father at Progress Park Auburn, opposite what is now the Golf Club. Michael spent 16 years on the Executive of RCAS and MASNSW, firstly as Registrar and then Secretary before retiring in 2011. Rest in Peace Michael.

Miniature Aero Sports NSW Inc

MINUTES

Business Meeting
Workers Parramatta
14th September 2012

Meeting Opened 8.10pm

Attendance T Nolan ROW, R Carpenter HMAS, D Lewis MMASFC, D Lacey SSME, B Thrift CVRCMAC, M Stone HSL, G Atkinson WRCS, D Costelloe QFS, K Barnes PRCAC, S Norrie NSW SAS

Visitors K Vella PRCAC

Apologies R Masters WPMAC, M Close SRCS, T Ashley CVRCMAC, B Baldwin CMAC

Minutes Motion that the minutes of the meetings held on the 13th of July 2012 and the 10th of August 2012 as distributed in Newsletter 348 be accepted as true and accurate records of those Meetings.

Moved: CVRCMAC **Seconded:** HSL **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

- M1.1 MAAA Newsletter
- M 1.2 CIAM Newsletter
- M 1.3 July Executive minutes
- M 1.4 Amended MOP's (MOP 065 and 11)
- * M 1.5 66th Nationals Report (WA)
- * M 1.6 Latest Insurance Endorsement
- M 1.7 Complaint from CASA re SSMAC FPV height issue
- * M 1.8 Advice of changes to MAAQ Executive
- * M 1.9 ESIR 3104 – Model flying inside restricted airspace @ 4000' AGL

From other than MAAA :

- C 2.1 HMAS – Public Flying Display application
- C 2.2 Lismore MFC – Height extension application
- C 2.3 CLAS – Nationals Medal ready for collection
- C 2.4 BCRCF – advice on flight training course

- C 2.5 Tom Collinge - request for minutes from MAAA Conference
- ** C 2.6 Steve Norrie – plans for Mezzanine floor - Cootamundra
- * C 2.7 Steve Wenban – Flying at the Otford slope site
- * C 2.8 Myles Murray – Northern Beaches Slope Flying – Insurance enquiry
- C 2.9 Neil Jewell - FW25 Application
- * C 2.10 Bob Carpenter – Possible fly in weekend located in the Lithgow/Mudgee area.

C 2.20 Received completed Large Model (included Turbine and Helicopter) Permits to fly:

C Mitchell HMAS, R Shoebridge ROW, B Mansell BAC, K Thomas RAAFMAC,
G Leffler TARMAC, M Close SRCS, B Burrell SRCS, J Daly COMSOA, K Woods LTMFC,
C Pellatt SRCS, E Oram CVRCMAC, C McLachlan COMSOA, D Reilly OMAC,
D Tibbitts SSSFA, A Taylor SSSFA, A Taylor SSSFA, P Aungle CCMAC, N Jewell TARMAC,
J Frost BCRCFC, S Goulstone RAAFMAC, R Carpenter HMAS

C 2.21 Received Cancelled Large Model (included Turbine and Helicopter) Permits to fly:
E Oram CVRCMAC

C 2.22 Newsletters Received:

Bega District Model Club
Bega District Model Club

Late Correspondence:

Correspondence Out:

To MAAA: Response from SSMAC re complaint (item 1.7)

To other than MAAA:

- C 3.1 Email to clubs re amended MOPs (item M 1.4)
- C 3.2 Advice to Heavy Model Inspectors
- C 3.3 CASA Liaison - Public Flying Display application (item 2.1)
- C 3.4 CASA Liaison – Height Clearance Lismore Flying Club (item 2.2)
- C 3.5 Email to all clubs re Luskintyre – non MAAA event
- C 3.6 Email to all clubs re endorsement to PL policy (item M 1.6)
- C 3.7 Copy of MAAA Minutes to Tom Collinge
- C 3.8 N Gamble replacement Gold Wings enquiry

Business Arising from Correspondence:

M 1.9 The President briefed the meeting on the latest incident from CASA where a model aircraft was detected on radar at 4000'AGL, 5NM (9km) southwest of Mascot over the Canterbury area. A Virgin flight had to be vectored around this model aircraft to maintain separation. The incident occurred at 10.50 on 18 August and the aircraft was described as about 1 metre in span. Any person with information concerning this incident is requested to contact the Secretary who can pass on any information in confidence to CASA.

Moved: SSME **Seconded:** PRCMAC **Carried**

Reports

Treasurer Bob Bishop

Business Arising from the Treasurers Report: NIL

Moved: HSL **Seconded:** NSWASAS **Carried**

Other Reports

President Robert Carpenter

During the last month there has been a large amount of discussion regarding the Insurance that is provided with your membership to your club, MAS NSW and MAAA. This will be a major discussion item in General Business tonight. The main reasons for all this discussion is a continuing series of threads on the RC Groups forums. As I have said before there is a large amount of misinformation being circulated. Together with this misinformation there are actually some questions that do need asking.

This coming Tuesday there is to be a Teleconference conducted by the MAAA for all the Association Presidents to identify the good questions and we will work out a way forward to resolve the issues. Our Insurance Broker will be included in the Teleconference.

One key point that I need to bring to your attention is that the Insurance MOP has been put in place to provide guidance to our members and it has been in place since 2006. At that point in time it met all the standards required. If today, (2012) we need to update this and any other MOP then your Executive together with the other Associations across Australia will work to review and update the documents to ensure that our MOPs are the best of guidance taking into account all safety and regulatory requirements.

This subject has caused me to consider the amount of misinformation that is being circulated and in an effort to provide an easy method for all clubs to ask questions and obtain answers to all your concerns we have asked for assistance in starting a MASNSW forum. This will not be the same as those forums that we all read daily. We will require that Club Secretaries log in using their AUS number. This will be verified and then your questions will be answered and posted. We are planning to try this for a 3-6 month trial and if successful we will then continue. If this becomes another forum without support or personal attacks we will shut it down. We ask that you assist your executive in this endeavour to provide a frank and open discussion on all matters that you need to ask on behalf of your members.

The MASNSW "Car Boot Sale" will be conducted at the RAAFMAC flying field on Saturday 1st December. Both HMAS and RAAFMAC are working together to provide this opportunity to get rid of all that extra equipment you have. There will be a fee for selling but no extra charges. All proceeds will go to a local charity.

Vice President/ Secretary Tim Nolan

Nationals: Medals have now been collected and will be sorted and packed ready for distribution to the various event organisers.

The first Bulletin for Gliders has been distributed and we are looking to circulate all the confirmed dates and location shortly with entry forms for each discipline.

Registrar Dave Lewis

Current Year		New to System	Last Year (Jul 2011 meeting)
Seniors	2004	108	1986
Juniors	91	19	84
No. of Clubs	84		91
Total Membership	2095	127	2070

Newsletter Editor Rob Masters

The only item from the Newsletter editor is a request for Club Secretaries to check email addresses when they complete registration forms. I am getting a large number of bounces considering that registration renewals have only recently been completed.

CFI Rob Carpenter

CFI report will be the same as last month and we are commencing the bookings at this time.

The next Instructors Course/Workshop is planned for the weekend of the 10-11 Nov.

There are no costs involved with the training course. This is another benefit to being a member of MAS/MAAA.

It is best if you have a trainer style aircraft (nitro or electric) and buddy box system that you are comfortable with. However, we will have a couple of trainers and buddy box setups for those that do not have the equipment.

Could I suggest that clubs attempt to have a couple of people coming down so that costs can be shared. We will have positions on the course for observers, especially those that are travelling some distance. The feedback we get from previous courses is that club execs get a lot out of the course as we cover many areas of the whole flying system at club, state and MAAA level.

We now train people how to train and the reason for covering all the other areas is that today's instructors need to be able to answer student's questions. The new Instructor does not always have the answers, but we try to ensure that he knows where to get the answers.

Another important reason is that you get the opportunity to discuss all your concerns with people from other clubs and the exchange of information is very beneficial.

It is also beneficial for clubs to have more than one person that has been involved in the course/workshop as it gives you more than one source of information to discuss with your club members.

Expressions of interest are requested from prospective Instructors (all categories), current Instructors who would like to be refreshed and observers from clubs; please contact the MASNSW Secretary.

I have been asked the question; "Do you need to be a qualified instructor to instruct at club level". The answer to this is that it is up to your club executive and the way in which they manage their club.

I personally believe that there are many people that are quite capable of instructing and for whatever reason do not wish to undertake the Instructors course. It is also an opportunity to try out, at club level if your next instructors are capable and wish to be involved before undertaking the formal course. The qualified instructors are required to carry out the assessment for the wings system. This is an attempt to standardise the level of instruction.

PRO/State Flying Field Steve Norrie

- An 8kva generator has been purchased for the field, many thanks to Dave Lewis for arranging this. This will be installed at Cootamundra on the long weekend.
- The water pump was reported as leaking, I asked Bob Smith to inspect the unit and carry out any repairs that may be required. No problems were found with the pump, he did however inform me that the cisterns in the amenities require replacement. I will purchase three cisterns and install them on the long weekend. Thankyou Bob for your time.
- The trees at the south end of the runways have been height adjusted as they were beginning to threaten aircraft on departure and approach. The Cootamundra SES carried out the work as a training exercise; payment in the form of a \$400 donation would be appreciated to cover costs.
- The plans and engineers certificates for the mezzanine were forwarded for inclusion in this meeting for final approval
- The Cootamundra Aeromodeller's Club have asked for some assistance to cover the cost of mowing the additional two runways, they estimate this to be about \$200 per annum.

Other Reports: NIL

Motion to accept Reports as received

Moved: WRCS **Seconded:** CPMAC **Carried**

Awards

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

Stuart McCrostie	HEMFC	69408
Michael Rowlands	SSSFA	73954
Dylan Scully	COMSOA	74031
Brian Littlechild	GCA	64380
Charlie Kellaway (13 years old!)	SSC	73738
Peter Weisner	WRCS	40412
Peter Bell	SSC	74023
Gerd Bremer	IMAC	73762
David Curry	IMAC	40549

The President made special mention of Charlie Kellaway's efforts at 13 years of age, and we await with interest his successful completion of Gold Wings.

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

Wayne Duncombe	Hastings MAC	73560
John Verstappen	LTMAC	73930
Alex McManus	CCMAC	74020
Peter Beresford	IMAC	21611

Applications received for approval for MAAA Fixed Wing Power Instructors

No applications received

Applications received for Approval of Commercial Model Aircraft Flying Instructors:

Alan Cain	LMMAC	36142
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Applications received for the approval of MAAA Helicopter - Bronze Wings:

Troy Townsend WRCS 76274

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

Moved: CVRCMAC **Seconded:** QFS **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

MAS NSW POINT SCORE COMPETITION AWARDS 2012

The following Clubs/Organisations have qualified for the \$50.00 Reward for submitting Point Score Events results within four weeks of the event being run.

Submitted by Dave Lewis

NSW Pylon Racing Association Sportsman Pylon Pitt Town Aug 2012

I respectfully ask that payment be made and forwarded to the Secretary of each of these Clubs.

Motion to accept these awards.

Moved: HSL **Seconded:** NSWAS **Carried**

General Business

The first item of General Business is

The next Business Meeting of MASNSW will be held at the Garden Terrace Room, Workers Parramatta, 163-165 George Street, Parramatta on the 12th of October 2012. The meeting to commence at 8.00pm, (2000hrs), All Members, Observers, and Visitors are welcome.

Insurance Matters.

An open discussion was conducted to obtain from all clubs present their concerns with the current Insurance system and MOPs. A list of questions was provided and they will be put on notice for discussion with MAAA and the Association Presidents on Tuesday 18th September.

Web Based Forum

A web based forum was demonstrated to those present with open discussion on the way in which it will be implemented. Items were discussed such as security and moderation of input; is this to be a club based only or for all individual members. These points and others will be worked through and all club secretaries will be provided details of the system as soon as we have it ready for operation. Thanks to the members of the Parramatta Club for all their assistance in this endeavour.

Improvement to Cootamundra

Final approval for the mezzanine floor was given for the project to commence so that it will be completed in time for events later in the year and all the Nationals events scheduled next year. This represents the last significant expenditure at Cootamundra and with the increased patronage it will make the venue even more comfortable for members and visitors to view the activities.

There being no further business before the meeting, the meeting was declared closed at: 10.35pm

MASNSW 2012-2013 Events Calendar

(Compiled 21/9/2012)

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

October 2012

1	Labour Day Holiday			
12	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
12-14	Twin Cities Float Plane Weekend	Albury	David Balfour	02 6043 3169
* 13-14	NSWSAS Scale Round 5	Cootamundra	John Rolfe	02 9734 6288
* 21 2m	Glider Millennium Cup Round 6	Maddens Plains	Fred Lodden	02 8576 6431
* 20-21	Coota Cup – Old Timer Weekend	Cootamundra	Basil Healy	02 4341 7292
20-21	NSW Thermal Titles & Mildura Open Thermal	Wentworth	Garry Whitfield	03 5022 7708
26-28	National Air Races	Cootamundra	Steve Norrie	0418 874 740
* 27	Pattern / Aerobatics	Camden Valley	Richard Knox	0417 483 689
28	Seaplanes at the Regatta Centre	Penrith	Tim Nolan	0412 173 440

November 2012

3-4	Camden Valley Scale Rally	Camden	Ted Ashley	02 4647 8903
9	MASNSW General Meeting	TBA	Bob Carpenter	02 4577 6612
10	SRCS The Missions 2nd Annual Fly-In	Gundeman	Mike Close	02 9872 6459
* 10-11	Muswellbrook Old Timer Weekend	Muswellbrook	Simon Bishop	02 6543 5170
10-11	Warialda Fun Fly	Warialda	Barry Power	02 6729 1740
10-11	Instructors Weekend	Hawkesbury	Bob Carpenter	02 4577 6612
* 11	Shoalhaven Shield, 2m Glider M'nium Cup Rd 7	Bomaderry	Ian Avery	02 4232 1093
24-25	NSW Pattern / Aerobatics Championships	Illawarra	Richard Knox	0417 483 689
24-25	Seaplanes at Lake Wallace	Wallerawang	Dave Brown	02 6355 7298

December 2012

1	MASNSW Car Boot Sale	RAAF Richmond	Bob Carpenter	02 4577 6612
8	Picton Cup summer solstice FSJ electric glider event (note date and venue change)	Appin	Richard Solomon	02 4647 6330
9	Electric Old Timer event – IMAC	Wollongong	Peter Pine	02 6676 1437
14	MASNSW General Meeting	Parramatta	Lou Amadio	02 4228 4906
25	Christmas		Bob Carpenter	02 4577 6612
26	Boxing Day			
27/12/12 – 3/1/13	Control Line Nationals	Albury		

January 2013

3/1/13 – 8/1/13	Free Flight Nationals	Narromine		
12-13	Seaplanes at Lake Wallace	Wallerawang	Dave Brown	02 6355 7298
26	Australia Day			
25-28	Armidale Sailplane Expo & Electric Glider Nationals	Armidale	Hutton Oddy	0425 285 758
26-28	FSJ & LEG at the Sailplane Expo	Armidale	Peter Pine	02 6676 143
			Rob Watson	02 9872 4192

February 2013

2-3	Alan Brown Memorial Old Timer Event	Orange	Dave Brown	02 6355 7298
8	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
16-17	21st Annual Banjo Paterson Scale Rally	Orange	Peter Johnsen	02 6362 9410
16-17	Pattern / Aerobatics	Shoalhaven	Richard Knox	02 4446 1021
23-24	NSWSAS Round 1 Scale	Camden	John Rolfe	02 9734 6288

March 2013

1-3	Giant Scale Rally State Flying Field	Cootamundra	Tim Nolan	0412 173 440
8	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
9-10	Pattern APA Masters and Work Champs Selection	Parkes	Richard Knox	02 4446 1021
16-17	NSWSAS Scale Masters Round 2	Metford	John Rolfe	02 9734 6288

April 2013

12	MASNSW General Meeting	Parramatta	Bob Carpenter	02 4577 6612
26-28	MAAA Nationals – Pattern	Pitt Town	Richard Knox	02 4446 1021

May 2013

10	MASNSW AGM	TBA	Bob Carpenter	02 4577 6612
16-19	Helifest 2013	Coffs Harbour	Scott Lockyer	0488 528 353
18-19	COMSOA Scale Fly In	Metford (Maitland)	Paul Robertson	02 4946 8334
25-26	NSW State Champs - Large Scale	Taree	John Rolfe	02 9734 6288

June 2013

14	MASNSW General Meeting	TBA	Bob Carpenter	02 4577 6612
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July 2013

13-14	NSWSAS Round 3 Scale	Blacktown	John Rolfe	02 97346288
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August 2013

17-18	NSW State Champs - Stand Off / Open Scale	Richmond	John Rolfe	02 9734 6288
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September 2013

25-29	Nationals R/C Scale State Field	Cootamundra	John Rolfe	02 9734 6288
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October 2013

19-20	NSWSAS Scale Round 4	Richmond	John Rolfe	02 9734 6288
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CIAMFlyer

The Introduction
to the Modelaircraft World

No. 4-2012



Quiet Flights over Land

All about RC Airships



AEROSTATS are lighter than air models. We have two main types of aerostats: Hot air balloons and Airships. Airships obtain their sustentation from gas (or from hot air), have propulsion units and can be directed.

Next, we have three types of airships:

1. Blimps have an inflatable envelope and their shape is obtain by the pressure of the gas inside the envelope. Blimps are the most common airship models and the easiest to build
2. Hot air airships obtain their lift from hot air produced in an inflatable envelope
3. Rigid airships have a covered rigid structure and contain inflatable gas balloons.

A short history

On September 1852, near PARIS (France), Henri GIFFARD was the first to build and fly a navigable airship (44 m long, 2500 m³, 3 hp). On July 1900, the first rigid airship performed an 18 minutes flight over the lake of CONSTANZ (Germany). It was the first ZEPPELIN. On 1901, SANTOS DUMONT performed a flight to the Tour EIFFEL in PARIS. Many

rigid airships were built during the first World War and some went over LONDON for bombing. The first blimps were flown in 1915 by the Royal Navy in UK. This also explains why airships were part of the navy forces in several countries. Who knows that the first transatlantic flight was performed in 1919 (8 years before LINDBERG) from Scotland

to New York. The HINDENBURG disaster (LAKEHURST, USA, May 1937) ended the commercial use of airships and the use of hydrogen. Since many years, USA used Helium, a non flammable gas but it was classified as strategic and therefore not provided to Germany.



Many blimps were produced in USA for military or commercial purposes (Goodyear blimps as an example).

Building RC model airships is not easy

While several years ago building radio controlled airship models was a real challenge, technological evolution opened a wide field of possibilities, even to aero-modeling new comers. The first RC airships were built for commercial purposes (aerial photography, advertising) and were costly. But you know how modelers are inventive. Nevertheless, building an airship is not so easy: the envelope must keep the helium inside for a long time as this gas is really costly.

Scale USS Macon by J. Clemens (rigid RC airship)





RC scale gas airship (blimp)

So, specific material must be used (mylar®, neoprene, nylon@...), cut in gored and pieces to then be fitted and obtain the nice "cigar" shape you know. Modelers are not fluent with laser or ultrasound gluing and use more simple processes. Add a specific unit to fill the airship with helium, a gondola which contains the batteries, the reception and the propulsion units, rear control surfaces. Optionally add a rear propulsion unit and you are ready to go. Oops! I forgot the photo/video equipment!
Not able to build your airship? Many commercial sites will answer your need either sole envelopes or full equipments. Just search "RC airships" on the net. You will get hundreds of proposals... fitting all budgets.

Don't be afraid of the size

One cubic meter of helium provides only one kilogram buoyancy (envelope plus onboard equipments). Indoor airships are small (1 - 2 m³ = 2 - 3 m long and 1 m diameter) whereas outdoor airships can be much larger (20 m³ and over). As helium is an expensive gas, you will look at buying a large specific trailer to transport your large airship from one site to another. This explains why most of the RC airships are indoor sized. You can imagine the impact of your airship with a so slow flying model which goes over

people silently and with no risk at all for the public. But take care not to lose control and to let the airship escape high, too high, in the sky. You can also imagine the wonderful pictures or videos you can get back after a quiet flight over land.



RC indoor airship and equipment



But as soon as you meet other modelers, you want to compare the quality of your airship and your skills too. Meetings and competitions are the next step.

RC airship regatta

The first meetings were implemented in 2000. RC Airship Regatta are now conducted in several countries: Germany, USA are leading the activity but meetings are also implemented in most of the continents: Europe, Asia, South America.

The number of commercial companies who sell RC airships and the huge number of websites/forums are clear signs of the popularity of this activity.



Just as an example are the Germany activities where RC Airship Regatta are conducted since 2004, in scope of the annually DGLR "Aircraft Lighter Than Air" Symposia. The basic idea was to facilitate the evaluation of concept design ideas in a competitive but low cost and fun environment. Soon, Berlin Aeronautical Students adopted the idea, carrying out such regatta in scope of the annual "Berlin Long Nights of Sciences".



After RC Hot Air Balloons (F7A) which was earlier officially recognized, RC Airships is now a recognized class (F7B) in the "AEROSTATS" (F7) category within the CIAM. International competition rules were approved in 2010. On 2013, world records recognition will be implemented. Look at the CIAM site or contact Marcel to get more details on the specific rules. Competition tasks are simple to imagine: pylon racings, precision flights... World records are also simple to imagine: distance, speed, altitude... Don't hesitate. Get your own airship and join us.
Marcel PREVOTAT
F7 SC Chairman,
pvt-asso@orange.fr

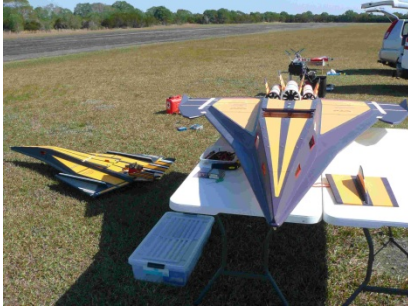


Editor of CIAM Flyer
E. Giezendanner

Club News

More on Joe Frost's "Triptych" and BAE Hawk

Last week I had another flight with my "Triptych" getting better after each flight as my CofG is gradually moving forward.



I love it, steady as a rock. Unfortunately it's a very impractical model to its huge size. I always need someone on hand to help lift and move it. My wife is sick and tired every time I ask her to help me to load or unload it! I keep on telling her to handle it like eggs - it's a foamy! I'm absolutely horrified when I see her chasing around my models with the vacuum cleaner! Planning to build an even bigger version; this time powered by twin 127mm units, to make it "PC" I'll probably call it "BI-sexual"



Following are a few pics of my latest from N-Tech models. "BAE HAWK" 205x180cm span EDF model and 1.5kg heavier than their similar size "PANTHER". I fly with the same power unit but I was absolutely delighted with its performance



after my maiden flight last week. At 12kg AUV it took some 100m to rotate off the bitumen strip but I found it a pretty solid flier while keeping up the speed to make sure not to stall it during the first flight. During only a three minute flight I used 2100mA from each pack of four 6cell/4000mA packs hooked in series for 12S/8000mA. More than pleased with the results after all the major modifications I have done during my build.



Upcoming Events

2012 NSW Thermal Titles



**and
Mildura Open Thermal**

October 20 & 21

*Wentworth Race course (NSW)
30km. from Mildura*

Lots of prizes and trophies.
Lunch provided each day

**COME AND HAVE SOME FUN IN THE SUN
BRING THE FAMILY**

"PLEASE" HAVE 4 MAN TEAM ENTRIES IN BY 12th. October

For further information, please contact Darrel Blow 03 50230906

E-mail: darrelb@bigpond.com

Garry Whitfield 03 50227708

E-mail: thermal9@bigpond.net.au

Or, post to Darrel at 3 Teal Dr. Mildura Vic. 3500.

RC Precision Aerobatics Competitions in 2012

The NSW Pattern Flyers Inc. are holding a one day aerobatic event at Camden Valley on Saturday 27th October. Pre-registration on the website www.nswpattern.org.au by 19th October would be appreciated, details of gate times and field location will be on the website.

The remaining competition to be held this year is the big one, the NSW State Championships held at IMAC on the 24th and 25th November. (The NSW Pattern Flyers Inc will also hold the AGM at the event, more details to follow.)

All first timers are encouraged to come along and have a fly at any of these events at the entry level, called Sportsman. If you have your Gold Wings you have done most of the manoeuvres. If not, what better way to move towards getting those wings with expert help. If you can loop, roll and perform a Cuban '8', and do a short inverted pass, you can fly the sportsman schedule. We will help you understand what to do, how to set up and tune your plane all in a fun and supportive environment.

RC Precision Aerobatics a great sport that has skill levels that go all the way up to representing Australia at International and World Championships.

The next World Championships are in Zebula, South Africa from 15 to 25 Aug 2013, and the team selection will be made at the APA Masters to be held at Parkes NSW on the 9th and 10th March 2013. See the Australian Pattern Association website www.australianpatternassociation.com.au.

Competition flying is the best way to improve your skills and confidence, and it is very addictive, so come on and give it a try as there is no shortage of experienced modellers to lend a hand and give advice. You can download the Sportsman Schedule at the NSW Pattern web site www.nswpattern.org.au

Diary Note for 2013 – The Nationals. The Nationals are being held in NSW in 2013, and the Pattern Event (for precision aerobatics) is being held at Pitt Town over three days on the Friday 26th, Saturday 27th, and Sunday 28th April 2013. Note your diaries now, and start to think about travel and accommodation. More details to follow in the next MAS Newsletter.

For more information or any questions please contact Richard Knox, and 02 4446 1021, or at rpknnox@bigpond.com

2012 National Air Races

27th & 28th October 2012

MAS NSW State Flying Field Cootamundra NSW.

(Gundagai Rd 11km from Cootamundra or 26km from the Coolac turn off on the Hume Hwy)

Events: Texan AT6, Thunder Tiger Reno, Golden Era
62cc Reno, Formula 1 and Red Bull.

Pre Entries Required. Entries close 1st October 2012.

Organised By MAS NSW Inc and
Large Scale Racing Club of Australia Inc

Note MAAA MOP058 Policy requirements will be enforced.

All competitors (including 2.4g) are to have a 51mm wide frequency key with their name printed on it, to be used in the control key board.

Further Information and Entry Forms

Steve Norrie 04 1887 4740

2012 National Air Races

Day 1.

Friday 26th October.

Field open for practice from 2:30pm to 5:30pm.

Day 2.

Saturday 27th October.

Field open 8:00am. Canteen open 8:00am

Registration and Processing from 9:00am

Pilots briefing 9:30am

Racing starts 11:00am

Day 3.

Sunday 28th October.

Field open 7:30am

Canteen open 8:00am

Racing starts 9:00am

ACCOMMODATION.

Motels.

Bradman Motor Inn. 02 6942-2288

Cootamundra Gardens Motor Inn. 02 6942-1833





Southern Comfort Motor Inn. 02 6942-3366

Wattle Tree Motel. 02 6942-2688

Camping on field is permitted.



Camden Valley Radio Control
Miniature Aviation Sports Club Inc.

SCALE RALLY

C.V.R.C.M.A.S Club Field

3rd & 4th November 2012

0900 Hrs to 1600 Hrs

Under 7 Kg Civilian/Military



Over 7 Kg Civilian/Military



Pilot's Choice



Sports Aircraft



Unusual

- Entry fee \$10 per pilot
- BBQ, food & drinks available
- All classes of aircraft excluding turbines & helicopters

Contact: Ted Ashley - 4647 8903
John Rolfe - 0402 102 512

**Bring Your Stuff
&
SWAP & SELL**



NSW PYLON **RACING CLUB Inc**



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

“AUTHURSLEIGH”

MARULAN

SUNDAY 3 NOVEMBER 2012 – 9:00AM Pilot Briefing

Practice and sports flying Saturday 2 Nov 2012

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

New Racers Always Welcome

Shearers' huts accommodation and camping available at field along with
showers, cooking and Bar-B-Q facilities

Or

Ali's Motel Tavern and Restaurant at Marulan Phone 4841 1330

<http://www.alismotel.com.au/>

**For more information and field directions, contact
Jeremy Randle 0418390446**

(This is a private field and is only available on the advertised dates which is who
we cannot publish field directions

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

FUEL SUPPLIED ON RACEDAY

PROVISIONAL DATE FOR MARULAN #2 IS ½ DECEMBER 2012

Sydney Radio Control Society 2nd Anniversary

General Fly In



Saturday 10th November 2012
Gates open at 9am for all day flying

Following the overwhelming success of our 1st anniversary Fly In, SRCS has decided to make this an annual event.

Last years event saw an incredible array of models from park flyers to turbines. Everyone who attended enjoyed a great days flying in a really festive atmosphere. Come along and help make this year event even better.

All types of
aircraft welcome

giant models
trainers
scale
fun flies
helicopters
electric
IC
turbines
gliders



**\$10 entry fee includes BBQ lunch, a drink
and entry into our lucky door prize.**

Enjoy a day's flying with us at the most scenic flying site in the Sydney Basin. All levels of flying skill are welcome, just turn up on the day and fly as little or as much as you like.

No competitions, no pressure, just enjoy flying!

Bring your family along and enjoy a picnic by the Hawkesbury River

MAAA Cards and Permits to Fly for large models must be presented at registration

If you have any questions please contact Mike Close, president@srclsclub.com

JUST PLANE FUN!



WARRIALDA FUN FLY
SUPPORTING THE
WESTPAC HELICOPTER
WARRIALDA AIRPORT
10TH AND 11TH NOVEMBER

SATURDAY 10TH PILOTS DAY
TEST & TUNE
NIGHT FLYING & FUSE RACING

MODEL / REMOTE CONTROL
AIRCRAFT



SUNDAY 11TH OPEN TO PUBLIC
FLYING EXHIBITION AND OPEN FLYING

FUN FLY EVENTS
LOOP & ROLL, STREAMER CUT BALLOON BURST, MYSTERY TIME ETC

ALL MODELS WELCOME NO WINCHES-IF IT FLIES BRING IT
SWAP MEET



CATERING & RAFFLES FOR THE WEEKEND
ENTRY BY GOLD COIN DONATION



CONTACT:

BARRY POWER 02 6729 1740
LAURIE RILEY 02 6729 4165



Shoalhaven Model Flying Club Inc.

Presents

**The 30th Shoalhaven Shield
Two Metre Thermal Glider Event
11th November, 2012.**

**Fletchers Lane Flying Field, Bomaderry.
(off Meroo Road)**

Briefing 9am for 9.30am start

**This event is the final round (Round 7) of the
Two Metre Glider Millennium Cup for 2012**

**Millennium Cup Launching - 6 minute max - spot landing
Steak/Sausage Sandwiches, Drinks, Tea & Coffee.**

**Further Information: Ian Avery (02)
4232 1093**

iwa@internode.on.net

Coota Scale!



Cootamundra Giant Scale Rally

proudly hosted by Miniature Aero Sports New South Wales

State Flying Field Cootamundra NSW

Mark your diary for the inaugural Cootamundra Giant Scale Rally. All large-scale aircraft are welcome. There will be gliders, turbines, war birds, and civilian categories.

This is an MAAA Event and all aircraft over 7 kg will require certification. Details will be sent via email in the next two months. Get in early and book your accommodation.

Friday, Saturday, Sunday 1-3 March 2013
For further information call Tim Nolan 0412173440

www.masnsw.org

email: secretary@masnsw.org

For Sale



Hanger 9 Piper Cub

80 inch wingspan

Comes with

- 4 servos
- Scorpion 4025-12 440kv motor
- APC 14x7 prop

Runs 6 cell lipo with 600watts of power
This setup only pulls 27 amps and flies with ease

Phone Lee, 0265855408/0488140865

maria.wood29@bigpond.com

Pick up from Bonny Hills(Port Macquarie)NSW

\$250 ono.



**Deadline for submissions to
Newsletter #350 (November 2012)
is
Tuesday 16th October 2012.**

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