

The Free Flighter  
Journal of the NSWFFS Inc  
March 2012



Photo by Malcolm Campbell

Terry Bond launching in  
Maxmen Fly Off

# Minutes of General Meeting

## 20<sup>th</sup> January 2012-01-21

Meeting opened: 7.30 President Terry Bond in the chair

### Present

R Summersby, Terry Bond, Barry Lee, Reg Towell, Tahn Stowe, Jim Mc Fall, Walter Bolliger, Jim Christie, Michel Towell, Geoff Mee, Carlo De Filippis, Goran Milosavljevic, Bill East, Alan Harvey

### Apologies

Bob Crane

### Guests

### Minutes of previous meeting:

Minutes accepted as a true record: Jim McFall sec Barry Lee

### Business Arising:

### Correspondence In:

Flypaper, December issue, Airflow, MAAA correspondence MOP 19 Amendment, Sport Aviation, MAAA insurance to Mop19

### Correspondence Out:

The Free Flighter January, Nat's Bulletin number 1, Narrandera Tourist Office, Request re finance for Ukraine overseas visitors to VMAA, MAAQ, AWA, AFFS

### Treasurer's Report:

November-December Summary 2011. Tabled at the meeting

Credits		Debits	
Registrations	370.00	Affiliations	300.00
St George Power Saving Ac	35.97	Hall Hire	180.00
State Champs	40.00	Postage/Photocopier	397.40
Gate / Parking ( Comp Fees )	791.20	Gift Voucher (Pauline)	300.00
Comm Bnk Int	.08	Flowers& Drink(Pauline)	80.14
Sponsorship (MAAA)	2500.00	Christmas Function	113.33
		AFFS Dinner Subsidy	485.00
Total	3737.25	Total	1855.87

Hon Treasurer Tahn Stowe

### New Business:

Terry spoke on progress of the 2013 Nationals, Tahn reported on National field which a report will be presented at the next MAAA conference.

Meeting closed at 7.35 followed by showing of three of Adolf Hasses models, this proved to be very interesting with the main question being HOW something can be so light. Terry made a few flights with the glider. The other models were just admired.

## Notice to all Club Secretary's

Club secretary; has Barry Lee your members email address on his machine????? If not, that might be the reason they are not getting to read this newsletter. If your member wants a hard copy once again let Barry know, as good as Barry is he is not a mind reader.

## Editorial March 2012

Hi Team, this Free Flighter is a bit late, I have just returned from the USA attending the Maxmen contest then off to the Victorian state champs. In fact most of our executive has been away or consumed by other tasks.

The Victorian state champs were held in Springhurst, courtesy of Kevin McMahon and despite the dreaded predictions of floods the field was remarkably dry. NSW performance in F1B was pretty dour but in other events we cleaned up fairly well. The P30 fly off was held over until the AFFS due to some very good thermal weather and the need for some fliers to start the trek home. The best performer in my opinion was Jim Christie who took the Shaw trophy from the Victorians in a very tense and professional performance.

Jim launched first with his best and long wing model which did a very delicate wing over into the next paddock for an attempt. His two adversaries were then away with long motor runs, huge wing areas and large propellers. Undaunted, Jim put his second model together, wound and launched in the last minute of the fly off to thrash the Victorians by two minutes. We thought Jim's amazing feint to get his opponents to launch early was an extraordinary tactic and should be repeated in his next attempt to win the Shaw cup.

After 15 years, Mike Close, the current president of the MAAA will not stand again for the position. Mike has done a difficult volunteer job extremely well and I cannot praise him enough. He has always had the interests of the MAAA and modellers at heart. Two applicants have put their names forward, Bob Carpenter, president of MAS and Paul Winter, currently the vice president MAAA. Nominations can still be forwarded to the secretary of the MAAA for both positions. Elections will take place on the weekend of the MAAA conference, commencing 19 May 2012.

Our two Ukrainian visitors, Igor and Slava will arrive on the 24 Mar 2012 and will be available for discussions and flight training up to and during the SCC and the AFFS. Contact can be made through me or Roy Summersby and arrangements will be made to accommodate enquiries and field training.

The SCC and the AFFS will commence on 2 Apr 2012. Most fliers will be accommodated in the Camellia and the Country Roads motels. If you have not booked yet do so quickly please. That's about all folks see you at the meeting on Friday 16 Mar 2012.

At our last meeting Roy presented three models to the assembled crowd. These belonged to recently departed Adolf Haas. They were, a Volksplane peanut, a microfilm covered indoor hand launch glider and I think a pistachio Fike. These models were incredibly light and a tribute to a superb indoor modeller. Farewell Adolf Haas.

We would hope to see the Shaw cup won by Jim Christie at this meeting 16 Mar 2012. This trophy goes back to 1929 and has many famous names engraved on it.

Terry Bond  
President NSWFFS

## Visiting Ukrainian Modellers for F1B and F1C.

Igor Vivchar (F1B) and Viacheslav Aleksandrov (F1C) will arrive in Australia on 24 Mar 2012. These modellers have been sponsored by the MAAA, VMAA, AWA, MAAQ, AFFS, NSWFFS . A special thanks to all for their generosity and thoughtfulness. They will be picked up and accommodated in the Sydney area prior to be taken to attend the SCC and The AFFS.

Both members are specialists in their profession and both are model builders. They can teach how to construct models, prepare them for flight and trim them to optimum performance. The reason for their visit is to train and assist all members who fly free flight models to perform better in their discipline and hopefully better prepare them for the 2013 world championships.

Both members will be available for field training by arrangement from the 25-31 Mar at Richmond. During the SCC and AFFS both members will be available for additional assistance and training.

Off field discussions will also take place and questions on setting up models, and trimming demonstrations will be programmed into their visit. We hope to hold a seminar on Thursday afternoon in the RSL club. Timings to be advised. Roy Summersby, secretary of the NSWFFS will be consolidating questions prior to their arrival so get your thinking caps on and send emails with your questions to Roy soonest.

### Shop Items

We still have a few 1 litre bottles of castor oil and nitro left, I will bring some to the meeting along with the rest of the items we have in the NSW model shop.

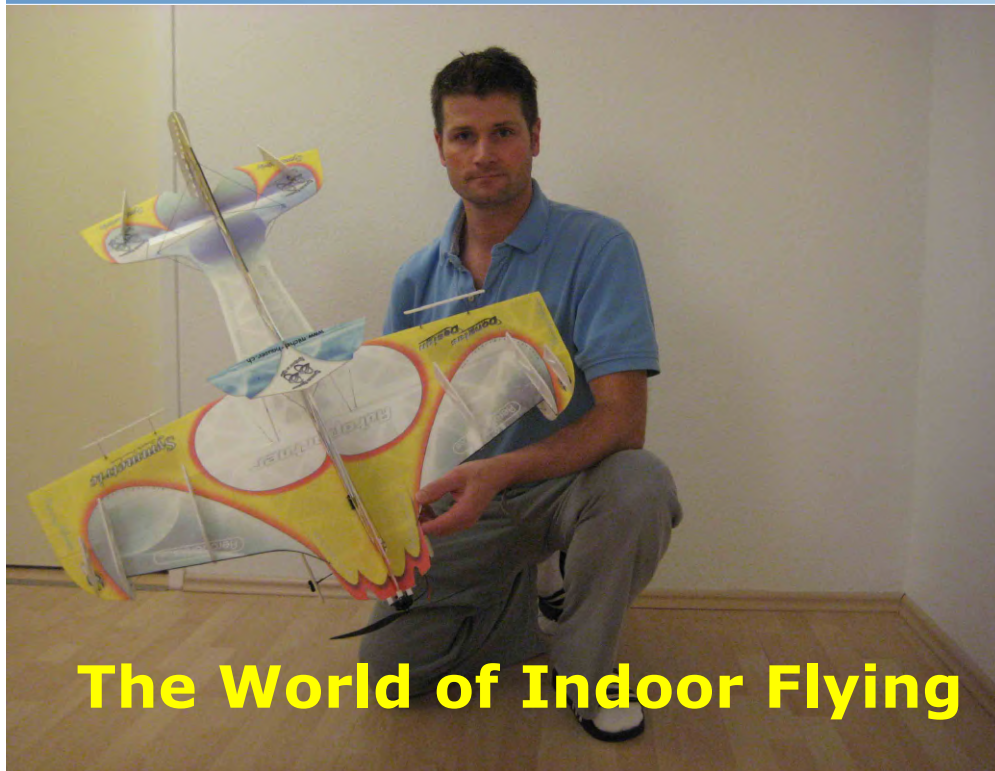
### AFFS and our Southern Cross Cup

These comps are on from the 2nd April to the 8th April at Narrandera. We trust the land will have dried out by then and the weather will be kind giving us some excellent flying.

### W.A. Nat's

Not sure how many NSW flyers will be making the big trip across our island, but those that do go will do us proud, this I am sure of. I have been told that the free flight field is bigger and better than the one used at the last W.A. Nat's.

Contest & Fixture Calendar 2012				
Date	Event	Venue	Time	Contest Director
March 16	General Meeting	Harris Park	7:30 pm	
March 18	1 Hour Scramble, Combined Open	Richmond	7:00am – 1:00pm	John Corby
April 2-8th	Southern Cross Cup---AFFS Champs	Narrandera		SCC. T.B.A.
April 12-20	Australian Nationals WA	WA		
April 29	State Champs HLG/CG. Rocket Glider, Plus Combined Vintage	Richmond	7.00am—1.00pm	Jim Christie
April 28-29	Veterans Gathering	Muswellbrook		
May 13	State Champs Scramble, Combined % , Control Line flying BBQ Lunch	Richmond	7:00am – 1:00pm	Roy Summersby
May 18	General Meeting	Harris Park	7:30 pm	



## The World of Indoor Flying

**At those latitudes where winter is cold and the days are shorter, the indoor season is in full swing. Indoor flying is a relatively new area of aero modelling which has, nevertheless, already found a firm place in the world of model flying. Take, for example, Michel, an experienced indoor aerobatics pilot. Lets have a look over his shoulder**

### Modern concept

With indoor aerobatics models, the current trend is for symmetric shapes. The two fuselage sections above and below the wings as well as the vertical tail are exactly the same on both sides. The only differences are in the colours and the undercarriage. Most models are made from the foam material "Depron". To save weight, as

many parts as possible have cut-outs to reduce their material thickness to a minimum.



### Constant speed

Michel explains that indoor models can be categorised into two groups. On the one hand, there are the agile 3D or even 4D machines with variable pitch propellers that are capable of producing reverse thrust. They can usually be flown with few or even no air brakes.

The second group includes indoor models suitable for precise aerobatics manoeuvres flown at constant speed. On these models, brakes are an option for keeping the flying speed constant and slow while the take-off weight has to be kept to a minimum. This allows the aerobatics manoeuvres to be precisely controlled. Not all brakes are equal. As is often the case, says Michel, benefits can come with a downside. He explains: "I mounted the brakes on the outside third of the ailerons. This keeps them out of the propeller airstream which is important for "torque rolls".

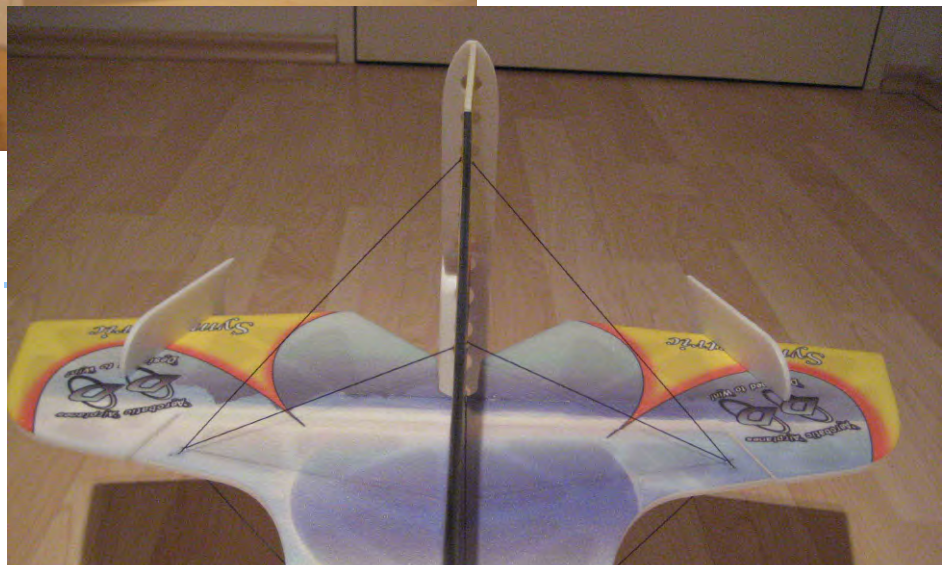


The pictures show the state when flying straight ahead. The attachments above and below the two ailerons have their full braking effect. When the aileron is extended, the effect – as can be seen from the pictures – is reduced. With a fully extended aileron, the braking effect is virtually zero as the "Depron"



The desired effect of these stabilisers is determined by their size and angle. Their position also plays a part. Michel explains that when searching for the optimum, he cuts out several stabilisers and then tries them out indoors. First he flies without stabilisers, then successively attaches the prepared parts at different locations on the model to achieve overall trim. A great example of practical research and innovation using modest resources.

part faces the direction of travel. Thus, the brake is only effective when it is required. If the brakes are simply attached to the end of the aileron, as can be seen so often, they are effective, even when the aileron is extended. This can have a negative effect when executing roll manoeuvres.



## Stabilisers and trim

The purpose of stabilisers is to guide the aircraft in the air. They should help the model to achieve a stable flight attitude and to be easily controllable. Stabilisers can be mounted, for example, on the vertical tail or on the elevator as well as near the leading edge of the wings or on top of the fuselage.

### FAI R/C Indoor competition classes:

F3P Indoor R/C Aerobatic Power Model Aircraft

F6B AeroMusicals

Details: [www.fai.org/aeromodelling](http://www.fai.org/aeromodelling)

**CIAM Flyer 1-2012**

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MODEL AERONAUTICAL  
ASSOCIATION OF AUSTRALIA INC.

# Newsletter

NO. 01/2012

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## Manual of Procedures

The Manual of Procedures is a "live" document and is continually being updated. Please check the MAAA web site from time to time to ensure that you are aware of the latest editions of the documents. The MAAA has recently released the following new and amended document in the Manual of Procedures:  
**MOP058 2.4GHz Equipment.** Acceptance of the OrangeRX by Hextronik compatible receivers. A note was added in limitations to say '*See 3.8 and see guidance but note that the 6 channel version is considered 'reduced range' even if fitted with satellite receivers*'.

## MAAA Helicopter Instructor Manual

A recent addition to the MAAA website [www.maaa.asn.au](http://www.maaa.asn.au) is the MAAA Helicopter Instructor Manual. This manual is in electronic format only.

## Australian Model Aircraft Flying Display Requirements

There has been debate recently on the above subject and there is clearly some lack of understanding within the MAAA Membership of the total requirement for the conduct of Model Aircraft Flying Displays.

All Commonwealth Regulations (including Acts of Parliament) will override State Laws, and all of these will take absolute precedence over any MAAA MOP. For Public Displays the Commonwealth Regulation is in CASR 1998 Part 101 and the MAAA cannot vary either the requirement or the responsibility.

To clarify this situation the MAAA, with support and assistance from CASA, released two documents to the State Associations to be distributed to all Clubs and Members. Both these documents titled: *Australian Model Aircraft Flying Display Requirements* and *MOP019 and 'Ensure'* can be found on the front page of the MAAA website at

[www.maaa.asn.au](http://www.maaa.asn.au) Other documents may become available since this Newsletter was written.

## Outcomes from Reported Incidents

The latest Incident Reports have indicated several different areas where members need to be vigilant. The equipment container door at one Club would not close to lock. While a member was adjusting the lock, another member closed the container door, catching the member's finger in the door resulting in the top of a finger being removed.

This incident highlights the need for a risk assessment to be carried out on club equipment and facilities. If found not to be operating satisfactorily or in an unsafe condition then the repairs should be made straight away before one of the members is injured resulting in a possible insurance claim.

In another incident the club was in the process of renovating the club facilities including the walkways. A visitor suffered minor injuries when he tripped on one of these walkways. This incident identified the specific risk to the Club and prompted immediate work in this area. The club is to be congratulated on their immediate response.

## 65<sup>th</sup> MAAA Nationals

Aeromodellers of Western Australia (AWA) will be hosting the 65<sup>th</sup> Nationals in Perth from 12 -20 April 2012. The central point for the Nationals will be the Whiteman Park Flying Field Complex with a number of other events being run at several other locations to the south and north of Perth.

Event Program and Entry Forms are available from the MAAA website [www.maaa.asn.au](http://www.maaa.asn.au)

## Frequently Asked Questions

The Frequently Asked Questions page on the MAAA website [www.maaa.asn.au](http://www.maaa.asn.au) is now broken up into three sections, one for general questions the second relating to questions and answers regarding 2.4GHz equipment and the third dealing with Insurance. The intention of the FAQ page is to provide members and prospective members with easy access to typical, everyday information, which may or may not be contained within the MOPs. A recent addition to the FAQ is '*I am concerned that if my club promotes a flying event in any way this may bring it under the Display Procedure in MOP019?*' The answer can be found on the FAQ page at [www.maaa.asn.au](http://www.maaa.asn.au)

## 2012 MAAA Council Conference

The 2012 Council Conference will be held on Saturday & Sunday, 19 - 20 May 2012 at the Stamford Plaza Sydney Airport, cnr Robey & O'Riordan Street, Mascot NSW. The Conference commences at 9:00am each day and is programmed to conclude at 4:30pm on the Sunday.

Observers are welcome to attend and should contact the Federal Secretary prior to the weekend for details regarding the conduct of Conference.

### **2013 F3D Pylon Team Trials**

AMPRA, in conjunction with the MAAA Pylon Subcommittee, will be running the team selection process for the 2013 World Championships to be held in the Netherlands. It is intended to follow the same process used for all previous F3D selection trials - that is, multiple trials. The selection process will be based on the best 2 scores of each competitor's 3 trial events. The following team trial events will be held:

The AMPRA championships, Maryborough QLD, June 2012.

State Championship events in Victoria or Queensland; these events are all scheduled to be run in the August to October 2012 period.

The third team trial will be a special trial event as a replacement for the Nationals at a suitable time to be held in Cohuna Vic, between September and November 2012.

Full details of the team selection process are published on the AMPRA web site as part of the general rules for pylon racing in Australia. [ampira.org.au](http://ampira.org.au)

### **2013 F3B Team Trial**

Organiser: Mike O'Reilly

Format: single event team trial, with the scores calculated as per World Cup rankings method.

Location: SSL Park, Nine Mile Road, Milang SA

Dates: March 23-25 2012

\$50 entry fee for all competitors, plus \$50 aspirant fee will be required and held in trust for the selected team.

### **2013 Free Flight Team Trials**

The schedule for multi team trials as shown:

Queensland	State Championships
Dalby	F1c 10 March
Dalby	F1a 21 April
Dalby	F1b 22 April

New South Wales State Championships  
Springhurst 29 Sept-1 Oct F1a, F1b, F1c

Victoria State Championships  
Springhurst 10-12 March F1a, F1b, F1c

Western Australia State Championships  
Meckering 2-4 June F1a, F1b, F1c  
Special WA Trial  
Meckering 21-22 April F1a, F1b, F1c  
WA 65<sup>th</sup> Nationals 12-20 April As programmed F1a, F1b, F1c

Southern Cross Cup Narrandera NSW

2-3 April as programmed

AFFS Championships Narrandera NSW

4-8 April as programmed

### **2012 F3A Asia Oceanic Continental Championship**

The Trial will be run in accordance with the current F3A rules at the Australian Masters, Valley Radio Flyers field Shepparton Victoria on the weekend of 10 -12 of March 2012.

There is no extra entry fee required, only entry to the Masters competition.

Only MAAA members are eligible to represent Australia.

The contest will be run by the Australian Pattern Association contest director Henry Hutchinson.

### **2013 F4A (Scale) Trans Tasman Challenge Team Trials**

NSWFFS Free Flight Scale Rally at Richmond July 7th-8th, 2012 will be used as a one - off team trial. Places from the F4A category at this event will be the basis for 2013- Trans Tasman Challenge team places.

### **World / Continental Championships and Trans Tasman Events Calendar**

2012	
EVENT	Awarded to
F1D	Serbia – Belgrade <b>Dates:</b> 9 to 14 Aug
F2A, F2B, F2C, F2D	Bulgaria – Primorsko <b>Dates:</b> 25 Aug to 1 Sept
F3J	South Africa – Rustenburg <b>Dates:</b> 29 July – 5 August
F4C	Spain – Santa Cilia Airfield <b>Dates:</b> 3 – 12 August
F5B, F5D	Romania – Buzau <b>Dates:</b> 7 – 15 September
Space Models	Slovakia – Liptovsky Mikulas <b>Dates:</b> 31 August 9 September
F3A Asia – Oceanic	Philippines – Bacolod City <b>Dates:</b> 6 – 12 May
F3C Asia – Oceanic	Offers Invited
F1 Trans Tasman	Location <b>Dates:</b> Narrandera Easter 2012

2013	
EVENT	Awarded to
F1 A,B & C	France – <b>Dates:</b> 3 – 10 August
F3A	South Africa – <b>Dates:</b> 15 – 25 August
F3B	Germany – <b>Dates:</b> 1 – 11 August
F3C/N	Poland – <b>Dates:</b> TBA
F3D	Netherlands – <b>Dates:</b> TBA
F3K	Offers Invited

*Safety distances are everyone's responsibility.*