

JUNE—JULY 2012

THE TINGALPA TRANSMITTER



Tingalpa Model Aero Club Inc

ScaleFest 2012

Phil Gartshore & Noel Stewart - Event Co-ordinator's

The weekend of the 16th and 17th of June saw another successful ScaleFest. ScaleFest is a combination of static and flight judging without the need for scale documentation. This encourages modellers who are not hard-core scale contestants to participate and experience competition. There is a weighting towards scale flight to allow pilots to show off their scale flying skills. Scoring consists of a static score, and the best two of up to three flights. This year's event was very well patronised with 30 entries. Thanks to members of SAAMBA and LARCS who also attended.

This year, Saturday was clear and sunny with very light winds. A pilots dream, so the fantastic weather left no excuses for any lapse in flying technique.

Sunday was fine and clear with a steady breeze down the strip and some chop aloft. Each pilot is allowed up to three judged flights, and the flight line was very busy all morning, but tapered off as the wind got up. The judges were worked hard, and at times struggled to complete the paperwork. Randall Mowlam did a great job managing the flight line with the finesse of an Air Traffic Controller. The fantastic weather left no excuses for any lapse in flying technique.

Entries included: Fokker DVII, P51 Mustang, Fairchild PT-19, Messerschmitt ME109, Pilatus PC 21, Aérospatiale SA 315B Lama, Pitts Special, Fokker Wolf, T28 Trojan, de Havilland Tiger Moth, Piper Cub, de Havilland Canada DHC-1 Chipmunk, Boeing Steerman, Miles M.5 Sparrow Hawk, Percival Mew Gull, Comper C.L.A.7 Swift, de Havilland Canada DHC-2 Beaver, Pitts Python, Fokker DVIII, Douglas C47 Dakota, Quickie Q2, Bristol Bullet MC1, Mitsubishi Zero, Victor T6 Air Tourer, Avro Lancaster, and, Vought F4U Corsair..

Congratulations to the pilots with only a couple of hard landings, and one crash of a Fokker Wolf on Sunday, meaning that most models went home unscathed.

This year we included a Gas Turbine Section and witnessed Tyson Dodd's Aermacchi MV339, and T33 shooting star models fly with finesse.

Continued page



Management Committee

President

Will Sipma 39012208 President@tmac.asn.au

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 TMAC Secretary
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 Tingalpa QLD 4173
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Martin Homann 0417636003 Treasurer@tmac.asn.au

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Noel Stewart 0412525127 Registrar@tmac.asn.au

Committee Members

Committee member (Liaison Officer)	Will Sipma	3901 2208	
Committee member (Editor)	Clair Alston	c.alston@qut.edu.au	0428624314
Committee member (Web Master)	Randall Mowlam	WebAdmin@tmac.asn.au	
Committee member	Tyson Dodd		
Committee member	Allen Danvers	3396 5383	
Committee member	David Walker		

TMAC Life Members

Doug Kent, Will Sipma

TMAC Life Member's Trophy

Glenn Crossley

Flight Instructors

Tony Gliddon 0408 648 379 3348 8936

Noel Stewart 0412 525 127

Heavy model inspectors. (FW25)

Ian Howard, Phil Collins

Heavy & giant models (FW25 / FW50)

Kevin Dodd, Doug McIlwraith, Richard Symes,



President's Report: Will Sipma

It has been some time since I have put pen to paper, and the TMAC has been rolling along in a positive fashion for the last few months.

A submission for a grant has been lodged for the construction of a new Universal Toilet Block (thanks to Allen Danvers). We hope to hear in the near future if we have been successful. Allen also lodged a grant application for funds towards the new retaining wall and car park area. I am happy to advise that we were successful to the tune of \$3000.00. Well done Al.

The work on the retaining wall is almost complete, thanks to those TMAC members who volunteered their time to get the job done. The more members that put up their hands for this type of job, makes it easier on the few.

The dam extension has been very successful, with quite a few members flying their float planes. I envisage that at some stage we could enlarge the dam parallel with the main runway. Perhaps at some stage there would be other model activity on the dam. Something to ponder on.

The canteen is a raging success, unfortunately due to the copious amounts of tea and coffee that is consumed by the boiling of the electric jug as well as the extra burden of the charging of batteries we are going to have to upgrade our collector system on the Solar by an extra six panels. This should eliminate any future power problems.

The HAVE A GO DAY was by all reports a great success, thanks to all of those involved in this promotion of aeromodelling.

A member who wishes to remain anonymous has donated a 5KVa diesel generator to the club, which will supplement the solar system as required. Many thanks to our generous benefactor.

OCTOBER 7, 2012 the TMAC is hosting a "Model Expo" with model aircraft, boats, tanks, tethered cars, RC cars and any others we can encourage to participate. The catering will again be organised by the Lions Club of Rochedale, and hopefully parking by the Lions Club of Tingalpa. Any members interested in being involved please do not hesitate to contact a Committee Member.

Please remember that it is MEMBERS that make a club – not the club that makes a MEMBER.

The objectives of TMAC are:

- **To encourage and foster friendship between aeromodellers;**
- **To devise ways and means for bettering the conditions and advancing the interests of aeromodelling in general;**
- **To spread this influence through meetings held at intervals; and**
- **To develop a spirit of co-operation and reciprocity in all matters of mutual interest**

Secretary's Report: Phil Gartshore

Club Membership Renewals

Welcome to a new year at TMAC. It's now July, and members are reminded that they need to have renewed their membership and carry evidence in the form of a club receipt for membership or display one of this year's stickers. If you cannot produce evidence, you will be asked to cease flying for the day until you can prove membership. This is to ensure all members flying are properly covered under the MAAA insurance policy.

So remember, no membership, no flying!

Honorary Member – Phillip Ramsay

The Committee would like to congratulate Phillip Ramsay, long-time member of TMAC on being made an Honorary Member of TMAC at the June General meeting. TMAC rules allow that persons distinguished in the model aeronautics, may be admitted to Honorary Membership by the Management Committee under such conditions as the Management Committee may decide. Honorary membership is perpetual. Phillip, who is now in his nineties, has been a long term club member and has provided service to the club in the form of a number of Committee positions over the years.

Congratulations Phillip!

Community Grant Success

TMAC has been awarded another community grant by the Gambling Community Benefit Committee. This fund was established to assist community groups and organisations such as TMAC to continue to meet the needs of local communities. A huge thank you to Allan Danvers for wading through the paperwork to get TMAC's application completed and submitted in 2011.

The Grant provides \$3,000 to modify the club's Fence and Car park facilities. Members will note that the works are already well under way, and we will be looking for volunteers at the next Working Bee on Saturday 14th July to assist in erecting the chain link wire onto the fence frame already erected.

Annual General Meeting – Saturday 1st September 2012

Please note that the Annual General Meeting has been moved to Saturday 1st September, due to problems with availability for some current office holders. At that meeting, all offices will be declared vacant, and elections from nominees held. If you feel you have the skills and experience to undertake the duties of one of the club offices, which include President, Secretary, Treasurer, Registrar, or even to join the Committee, please complete the form provided on the web site, and in this issue of the Transmitter and return it to the Secretary before Saturday 1st September.

Life Member's Trophy

In February 1986, Life Member, Jack Richters, donated twenty dollars to the Club for a trophy, without any conditions attaching as to its form or purpose. At a meeting held on 15 April 1986, the Management Committee decided to supplement the donation to create a perpetual trophy to be known as the "LIFE MEMBERS' TROPHY".

The following conditions governing the award of the trophy were reported to a general meeting of members on 6 May 1986:

1. The trophy shall be an award for excellence. The field of achievement shall not be limited and may include; success in a prestigious aeromodelling event, overcoming a physical handicap to gain aeromodelling skills, voluntary service to the Club and/or any other endeavour which describes the recipient as "an excellent Club person".
2. The trophy shall be awarded annually, inscribed with the name of the recipient and year of award, and presented at the Club's annual general meeting.
3. The recipient shall be a member of the Club.
4. The recipient shall be selected from the nominations of other Club members.
5. There shall be no limit on the number of times any one member may win the award.

So, if you feel that there is a TMC member worthy of this award, please complete the nomination form on the web site, and published in this edition of the Transmitter.

Secretary's report continued.... He has a lot to say!!

Event Calendar

The committee has decided to publish the club's event biannually in January and July each year to give members more notice of upcoming events. The Calendar for the period July 2012-June 2013 is published in this edition of the Transmitter, and will be published on the webs site and one the notice bard at Porter Field.

Highlights to remember:

QMARA Electric Pylon Day – Now on Sunday 21st June 2012.

Have-a-Go day – Sunday 19th August 2012.

Electric Day & Unusual Model Day – Sunday 2st April 2013. We need a coordinator for this event. Please contact me if you would like to coordinate this very successful event.

Gold Wings Flight Improvement Program

We are continuing to publish tips and hints for Gold Wings Manoeuvres in the Transmitter. Working towards and achieving Gold Wings simply makes you a better pilot. Gold Wings means you know how to react when your aircraft ends up in an unusual attitude. So please read the articles and practice the manoeuvres out in the centre of the circuit. This editions article is on Inverted Flight and Rolls.

We will be running a Flight Improvement Coaching day in the second half of 2013, including Gold Wings testing for those who are ready. In the meantime, please speak to one of the club instructors at the field if you need some assistance with any of the Gold Wings manoeuvres.

TMAC on Facebook

For those of you are young enough, TMAC is now on Facebook. Just search for Tingalpa Model Aero Club, and click "Like". The keen eyed may have noticed that I had to use my daughter's Facebook account to get this screenshot. Thank you Monique!



MAAA MoP Updates.

There have been some updates to the MAAA Manual of Procedures (MoP), so check out the MAAA web site for the latest versions of these MOP's:

MOP057 Insurance Condition was amended to include FPV and SGMA operations.

MOP058 2.4GHz Equipment was amended to include additional guidance and introduction to the new breed of transmitters with internal aerials (4.16) as well as adding Align and Futaba S-FHSS technology to the Appendix A.

MOP066 FPV and MOP067 SGMA were amended to exclude vision enhancing devices.

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ScaleFest Report (continued from page 1)

Awards

We wound up the flying and judging at 12:30pm on Sunday, and totalled the scores. Congratulations to the following participants who took home the fantastic trophies created by Noel Stewart:

UP to 70" Models	70" to 90" Models	Over 90" Models
1 st Robert Dunn (Aérospatiale SA 315B Lama) 2 nd Aaron O'Neil (Pilatus PC 21) 3 rd Tiz Quagliatini (Fokker DVIII)	1 st Brian Fooks (Chipmunk) 2 nd Keith Hayman (DH82 Tiger Moth) 3 rd Peter Biddle (Miles Sparrowhawk)	1 st Noel Wilson (Bristol Bullet) 2 nd Keith Hayman (T6 Air Tourer) 3 rd Noel Stewart (C47 Dakota)
Gas Turbine: Tyson Dodd (Aermacchi MV339)		Judges Choice: Tyson Dodd (Aermacchi MV339)
Pilot's Choice: Ken Baird (Comper C.L.A.7 Swift,)		

Event Team:

A huge thanks to members who donated their time including:

Flight Control Randall Mowlem Judging Ray Perrin, Noel Wilson, Will Sipma, Dave Walker	Canteen Chris Granquist Bruce Duncan Graham Kohr Michael O'Donnell Strip Mowing and line marking Dave Walker
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Raffle

A big thanks also to Chris Dawson who donated the Katana ARF kit, which was raffled on the day. Also, congratulations to TMAC member Allan Martin who won the Raffle.

Our appreciation goes to the entrants without whom the event could not be run. There are too many to name here, but great contributions from the judges, flight line controller, catering team, raffle sellers, and grounds keepers. Your contribution to the event is very much appreciated.

We hope to see you all again next year, Noel Stewart and Phil Gartshore.





QMARA
Queensland Model Aircraft Racing Association



Pylon Racing Experience Day

QMARA is running a pylon racing experience day for electric and glow powered models so the general sport flyer can experience the thrill of Pylon Racing.

Location : TMAC field, Tingalpa (www.tmac.asn.au)

Date : Saturday 21st July 2012

Start time – Setup and warm up flying from 8:00am, racing from 10:00am

Participants

- Anyone with Bronze/Gold wings.
- **No practice or experience necessary, everyone can fly Pylon Racing**



Come on out and fly, this event is being run for the inexperienced pylon racer, we will provide guidance throughout the event. Experienced pylon racers are welcome in the EF1 and Fun Fighter classes.

3 classes are being flown

- **EF-1** – Electric Formula 1, this is a new electric racing class being developed. Includes ARF models such as the E-flite Shoestring and Pogo.
- **Hobby King Fun Fighter** – Small fast electric powered foam warbirds sold by Hobby King Australia, many different models available. Models of similar size and type also welcome in this class.
- **Sport Pylon - Race what you bring** – trainer, sports model, viper, **glow** or **electric**.

Batteries – bring as many batteries as you can for electric powered models. Some charging facilities will be provided.

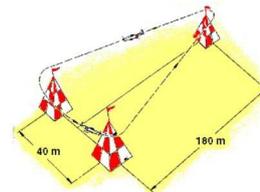
The Course - Race around 3 pylons, flying around yourself, don't worry its easy to do and is one of the best RC flying experiences you can have.

All non TMAC members must sign the visitors book before flying.

Contacts

Des Newman – ozixp@gmail.com

Joe Luxford - jluxford@luxford.com.au



THE TINGALPA TRANSMITER

Have-a-go Day — 20th May 2012



ScaleFest — 20th May 2012



Flight Improvement Program



Information, tips and tricks on wings manoeuvres.

Welcome to the second in a series of Transmitter columns aimed at taking the mystery out of performing Fixed Wing Bronze/Gold Wings manoeuvres. The author doesn't claim to be the font of all knowledge and has drawn on all sorts of information from other flyers, publications, and the Internet. The so called tips & tricks are just that; useful to some pilots but perhaps not to others. Hopefully, they may cause a light bulb to go on in your head for that manoeuvre you are struggling with.

I recommend that when learning Gold Wings manoeuvres, work on inverted flight before rolls. Inverted flight teaches you how much down elevator is required to maintain level flight while the aircraft is inverted, which has direct application when learning to maintain horizontal flight during rolls.

Inverted Flight

This manoeuvre is performed in the horizontal. You must maintain the same altitude throughout. Roll the aircraft inverted, and fly parallel to the strip on a constant heading for 5 seconds (count this in your head as *one one-thousand, two one-thousand,...*). Centre the inverted flight about the pilot's position. You need to practice flying inverted both towards and away from you. Remember, you must roll upright in the **opposite** direction to the direction you commenced inverted flight.

Note: You will struggle with this manoeuvre if your aircraft has an asymmetric wing section, that is, the wing is flat on the bottom.

Inverted flight scares pilots, because the natural reaction is to pull on the elevator when the aircraft nose drops. Pulling on the elevator when the aircraft is inverted can be catastrophic. What was a gentle descent suddenly becomes a vertical descent under power. Hint: Start higher.

How do we overcome our natural tendency to pull up even when the aircraft is inverted? What we need is a mental jogger to remind us that we are inverted and not to pull on the elevator, so try this. When you roll the aircraft inverted, move your thumb from being on top of the elevator stick, back a little, so that it rests against the back of the top of the stick. This achieves two things; it gives you a mental jogger to perform as you commence inverted flight, and it makes it more difficult (but not impossible) to accidentally pull on the stick, because your thumb is in a position where you can't easily do this. In general, nearly all aircraft, gently descend when rolled inverted, so you need to push lightly against the elevator stick to maintain horizontal flight.

Low inverted passes may look sexy, but when you are learning, make sure you are at least two mistakes high. The ground can come up very fast, and your wallet made lighter if you make a mistake.

Three Horizontal Rolls

The three rolls should be centred on the pilot's position, that is, flying parallel to the centreline of the runway, aim to perform 1½ rolls approaching and 1½ rolls going away. The aircraft should therefore be inverted as it passes the pilots position, so practice rolling both towards and away from you.

The roll rate must be constant throughout, and there must be no hesitation between rolls. Loss or gain of altitude must be minimised and corrected. A constant heading must also be maintained. Depending on your roll rate you should use elevator at wings level and with some aircraft, rudder at knife edge to maintain altitude, and hold the track of the aircraft horizontal.

Most aircraft, correctly trimmed, will gently lose altitude when inverted, so start off applying elevator only. Treat rolls like inverted flight, that is, use the inverted flight mental jogger described previously. Most aircraft will only need you push down elevator at it rolls through inverted to maintain level flight. Some aircraft also need to apply a little up elevator when the aircraft is upright

Don't make the roll rate too fast, you won't be able to see what is happening well enough to make corrections. As a rule of thumb, aim initially for a roll rate of one per second, no faster (*one one-thousand, two one-thousand*, etc.). Slow the roll rate if necessary. This manoeuvre requires timing. You need to push down elevator as your aircraft rolls through the inverted position. Remember, apply the amount of down elevator you use for inverted flight initially, and then adjust to maintain altitude. If you apply down elevator too early you will see the aircraft "wag" its tail, and you may also see some heading deviation. Adjust your timing until the aircraft rolls smoothly, and maintains altitude.

Build up the manoeuvre in stages, and get comfortable at each stage. Start off doing one roll only and practice pushing down elevator as the aircraft passes inverted. Then proceed with two rolls until you're comfortable, and finally three.

Tips for Inverted Flight and Rolls

Use the memory jogger when inverted;

Maintain gentle down elevator pressure when inverted;

Keep the roll rate at no more than 1 per second.

Build rolls up one roll at a time

Remember to end up with the canopy pointing to the sky, and the wheels to the ground.

Phil Gartshore

I, Philip Gartshore being a financial member of the Tingalpa Model Aero Club Inc, in accordance with rule 28 (7), move that the Management Committee be given the authority to spend up \$3600.00 for upgrading the Solar System capacity and associated works. This is to be voted on at the August General Meeting.

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TINGALPA MODEL AERO CLUB Inc.



MANAGEMENT COMMITTEE NOMINATION FORM

I being a financial member, eligible to hold office in accordance with TMAC Inc. Rules and By-Laws, hereby accept nomination for the position of and am willing to act in that office if elected.

..... (Nominee)

..... (Proposer)

..... (Secunder)

Note: Nominees must be proposed and seconded by two members who are eligible to vote in accordance with the rules. All nomination forms to be submitted to the Secretary no later than 11:00am on 1st September, 2012.

TINGALPA MODEL AERO CLUB Inc.



LIFE MEMBERS' TROPHY NOMINATION

I hereby nominate Club member as a candidate for the 2012 Life Members' Trophy for the following reason(s).

1.

2.

3.

Signed:

Note: Nominations to be submitted to the Secretary by 18th August, 2012.

Have-a-go Day: Randall Mowlem

Well the weather turned out a perfect day for all the registered guests of the first TMAC "HAVE A GO DAY" held at the local Tingalpa Model Aero field, we had a total of 52 registered visitors for the day with field a blaze with activity all morning until the last visitors were completed a little after 1:00pm.

With the interest shown there is already talk of holding another event day similar to this one to offer friends and neighbours of all our valued visitors wanting to try their hand an radio controlled model.

The day was a success thanks to the visitors wanting more with every question they gave their host instructor for the day, a very large thank you to all the volunteer instructors, Noel Stewart, Tony Gildon, Martin Homann, Mathew Gallantly, Phil Garts-hore, Keith Hayman, Allen Danvers and Dennis Greenfield who personally headed the Helicopter training on the day without all these member's help, time & support a club event of this nature could not be achieved.

The BBQ ran hot all day thanks to Chris for a fantastic effort keeping all the crowd fed & rehydrated with cold drinks, both visitors & pilots were queuing up all morning to restock before taking on the next stage. The registration of the pilots was controlled & scheduled by Dave Walker to help funnel the visitors across all the instructors to keep the day moving, this was a major help to the unfamiliar faces all eager to be the next on the buddy box system to control their first flight.

To all TMAC members who brought along their planes for display, such as Graham Gallantly with his Neuport bi-plane which was still in the construction stage of a scratch built air-frame from plans, to Mike Ross with his 3m Extra 260 IMAC plane, to Vilam Gazo with his Bucker Jugmann Bi-plane a huge thank you for helping keep the skies full of action for all members & visitors to be entertained throughout the day.

A big thank you to the local Hobby Stores, Xtreme Hobby with Chad & Damo and Budget Hobbies with Chris & Aaron helping make the day a huge success with help and support of modelling kits & supplies. Please support the stores that help support your local club.

Thanks to Beez Kneez Embroidery for the Have-a-go-Day shirts to help all visitors locate their instructors throughout the event.

This event is being held again on Sunday August 19th, so if you would like to help out please contact Randall, and if you know people interested in trying the sport please let them know.

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Tingalpa Model Aero Club Inc. Events Calender 2012/2013



Event Date	Event Type	Event Details	Convenor
Saturday, 14 th July 2012	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Saturday, 21 st July 2012	Event	QMARA ELECTRIC PYLON DAY (9.00 AM -12.00 PM Porter Field)	Joe Luxford
Saturday, 11 th August 2012	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Sunday, 19 th August 2012	Event	HAVE A GO DAY (9.00 AM – 2.00PM Porter Field)	Randall Mowlem
Saturday, 1 st September 2012	AGM	Club Annual General Meeting Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Sunday, 16 th September	Event	HELICOPTER DAY (9.00 AM – 2.00 PM Porter Field)	Dave Walker
Sunday 7 th October 2012	Event	MODEL EXPO (9.00 AM – 3.00 PM Porter Field)	Will Sipma
Saturday, 13 th October 2012	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Saturday, 10 th November 2012	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee 07:00	President
Sunday, 25 th November 2012	Event	BI-PLANES & WARBIRDS DAY including a Swap & Sell (9.00 AM – 2.00 PM Porter Field)	Joel Davison Gregor Kruberg
Saturday, 8 th December 2012	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Saturday, 25 th December 2012	Public Holiday	CHRISTMAS DAY Porter Field CLOSED for all flying	Secretary

Tingalpa Model Aero Club Inc.

Events Calender 2012/2013



Event Date	Event Type	Event Details	Convenor
Saturday, 9 th February 2013	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Sunday, 17 th February 2013	Event	EDF JET DAY (9.00 AM -2.00 PM Porter Field)	Kevin Dodd Chad Barrett
Saturday, 9 th March 2013	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Sunday, 17 th March 2013	Event	WARBIRDS DAY in conjunction with Southern Cross Air Force (9.00 AM – 2.00PM Porter Field)	Noel Stewart
Friday, 29 th March 2013	Public Holiday	GOOD FRIDAY Porter Field CLOSED for all Flying	Secretary
Saturday, 13 th April 2013	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Sunday, 21 st April 2013	Event	ELECTRIC DAY & UNUSUAL MODEL DAY (9.00 AM – 2.00 PM Porter Field)	Martin Homann
Thursday, 25 th April 2013	Public Holiday	ANZAC DAY NO FLYING before 12:00 Midday (Flying 12:00PM-Sunset only)	Secretary
Saturday, 11 th May 2013	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee 07:00	President
Sunday, 19 th May 2013		HAVE A GO DAY (9.00 AM – 2.00PM Porter Field)	Randall Mowlem
Saturday, 8 th June 2013	Meeting	Club General Meeting (11.00 AM at Porter Field) Field Closed during Working Bee from 07:00	President
Saturday, 15 th June 2013 Sunday, 16 th June 2013	Event	QUEENSLAND SCALE FEST incorporating Peter Cutler Memorial Trophy (9.00 AM – 5.00 PM Porter Field)	Richard Symes

If undeliverable, please return to:

The Secretary,
Tingalpa Model Aero Club Inc
PO Box 2108
Tingalpa QLD 4173

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