

The Free Flighter
Journal of the NSWFFS Inc
July 2015



Adrian Bryant
Keeping an eye on the Flying
at West Wyalong

<u>TOTAL</u>	\$ 761.70
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Editorial July 2015

Hi team; a change in the date for the next meeting to 14 Jul. I know it is a bit inconvenient but necessary because most of our committee is disappearing to Mongolia for the world Champs. Barry has published the date, timings, and location. Please be there it is a very important meeting and discussions about the amalgamation will be discussed. I believe that Carl Bizon VP of the MAAA may be there to put the MAAA case to the meeting. At the recent national conference MAAA constitution rules were changed to give the executive of the MAAA the power to join the three societies in NSW to one organisation.

The suggested solution to date is to impose another level of bureaucracy between the three societies to ensure that only one organisation represents NSW. I believe that my position has been explained in previous meetings and I do not need to reiterate my opinion. I would hope that Carl can explain the MAAA reasons for the forced amalgamation and the need for an additional level of administration.

The recent state champs at West Wyalong were a huge success and the weather could not have been better. The house again served its purpose and accommodated seven people and provided facilities for all flyers who attended. The BBQ was used on all nights and dinner served in the main 'hall'. So far we have had a pergola attached to the northern side of the house adjacent to the lounge room, several outside walls scraped and painted, electrical works to the house lighting, pump and adjacent garage, curtains to the lounge room and additional furniture into the house. We have started to burn off some of the waste timber around the paddock but there is a lot more to go.

We have 'appointed' a volunteer to maintain a register of bookings for accommodation; Donna Grey is now the house manager and bookings are required to be notified to Donna (0439 900 114) before arrival. Cost per night per person is \$10. You must supply your own bedding; or get very cold!

Our plan to develop the field and facilities is now in process and hopefully will be instituted before the nationals in 2016. Plans include the following; concreting the floor in the lockable machinery shed with the option to install two ablution blocks (his and hers) which can be secured when not in use, clearing the area next to that shed to provide hard standing, electricity and water for approximately six caravans. Install a suitable septic/treatment facility to service the blocks plus visitors.

Additional work includes securing the house to a reasonable lock up stage with secure screen doors front and back, and provision of a shade structure for the RC flyers. Quotations are currently being sought for this work. Also included is the removal of accumulated farm rubbish, bottles, rusting galvanised iron et al from our site.

While at WW in the company of Tahn, Roy and I visited the sites allocated by the Bland Shire Council for the 2016 Nationals. The airport looks really great and provides sufficient hard standing for CL speed and team race events plus 4-5 RC sites. Redman Oval is suitable for other CL events. There is still more planning and organisation to follow but I will try to keep you informed.

Don't forget free flighters keep it up longer!!!!

President NSWFFS
Terry Bond

Contest Report 31st May – CD Roy Summersby

Richmond 31st May Scramble, combined %, BBQ Lunch

The day looked dismal, light rain all the way from Umina to Richmond, however on arrival it was so light no one took any notice of it. The usual pre scramble organisation was a bit frantic with timers and participants having the usual mob attitude.

The scramble started on time, 8.00am, with 6 starters. The rain came in but very light and those of us not flying stood around under umbrellas. There was virtually no wind to speak of and good scores could be posted. The field consisted of two carpets two of the Braid specials and two conventional models. About five minutes into the contest the rain started to come down a bit harder, cooling some of the sweaty flyers who were rugged up due to cold weather.

After all there was only 55 minutes left in the contest. The rain came down harder and I thought that the contest could be reduced to ½ an hour. After a consultation to shorten the contest with Terry Bond at the 27th minute it was decided to continue the contest to ensure the maximum amount of pain could be inflicted on the players, so the hour scramble continued. In the end Andrew Heath won the day with 2606. As the scramble ended so did the rain, giving us a very pleasant day. It was interesting to see Andrew (the champ) start limping so his athletic end is nigh. The Braidy Bunch are still in contention but starting and breakages are still a problem. Scott Braid is still increasing his lung function by having a smoke at every chance. Bruce Hao was the missing link; perhaps he missed reading the calendar.

Results are; Andrew Heath 2606; Matt Hannaford 2492; Scott Braid 2134; Peter Braid 1989; Tahn Stowe 1954; and Wally Bolliger 782.

The high light of the day was Shayne and Shannon coming down from Tamworth to fly their F1C models. Both these boys are keen to build and fly power models, both F1C and F1J. The morning was spent helping, and flying their models. It always amazes me how everything works so well at home but once on the field there are problems. However most of these were solved and our new power flyers went home happy with their day's efforts. I hope it was worth the trip for them and we will see them again in the near future.

Barry arrived with the BBQ and the smell of steak and onions took over for a time. Thanks Barry it certainly capped off a good day.

NSW State Champs West Wyalong F1A, B, C, 20 Jun 2015

Thursday the 18th saw flyers arriving on the AB field at West Wyalong hoping to get in a bit of practice in before the competitions. The program was to run all events on the Saturday as Willy Weather told us it was to be the best. It turned out they were spot on, but there was nothing wrong with Sunday either. There was some social activity and a meal at the house on the Thursday night and a few jugs were ullaged. Friday was a practice day and a lot of flying certainly paid off for the flyers that were able to be there.

CD Jim Christie our CD blew the horn at 8.00am Saturday and models were quickly into the sky. This I think was the windiest round; my model went a long way into a ploughed field and picked up some good quality dirt. As the day progressed, the little wind we had became less and less, with very few models going out of the field.

F1A; Phil put on a perfect display on how it should be done, Tahn came out of the retirement home to place a very good score and Albert was certainly getting his act together along with Matt.

F1B; The man in form, Vin, maintaining his dominance in this event with a full house then going on to win the fly off. Craig and Terry both maxed out, Craig just beating Terry to take second place.

F1C; The vertical drag racers were at it, Terry and Roy using folders and Gary a fixed wing model. Gary made a mistake and DT'd early then pulled out of the competition to do some other trimming leaving Terry and Roy to make the seven maxes. Both had super climbs in the fly off but Terry found the better air giving him a 1st with Roy a close second on the day, a good effort by both.

Matt also flew two events, F1B and F1A a super effort. I haven't the scores as I type this but they should appear in the newsletter somewhere.

CD Jim kept the score board up to date as well as blowing his car horn for the start of each round. Many thanks Jim, for your time and efforts, I would find it hard to be there and not fly. It was also good to see some visitors; Mike, Yvonne and son Phil Pettigrew made the trip from Victoria and stayed the two days. It looks like there will be a couple more power flyers with us very soon. Mike is a power flyer from the past and has been on TransTasman teams in the 70s. It wouldn't take much for him to be back at it.

While we were playing with our toys the local radio boys were on the RC strip having a great time burning around the sky. With both fixed wing and one large helicopter.

Report By Roy Summersby.

Wanted to buy.

Motor suitable for using in scrambles Contact Shannon Tolmie smtolmie@hotmail.com

Email. Get your copy of this mag for many more photos

Give your email address to Barry Lee barrylee@internode.com

Action at West Wyalong



Who has the best legs?



Gary Pope about to launch FIC

Photos by
Peter Greenhill



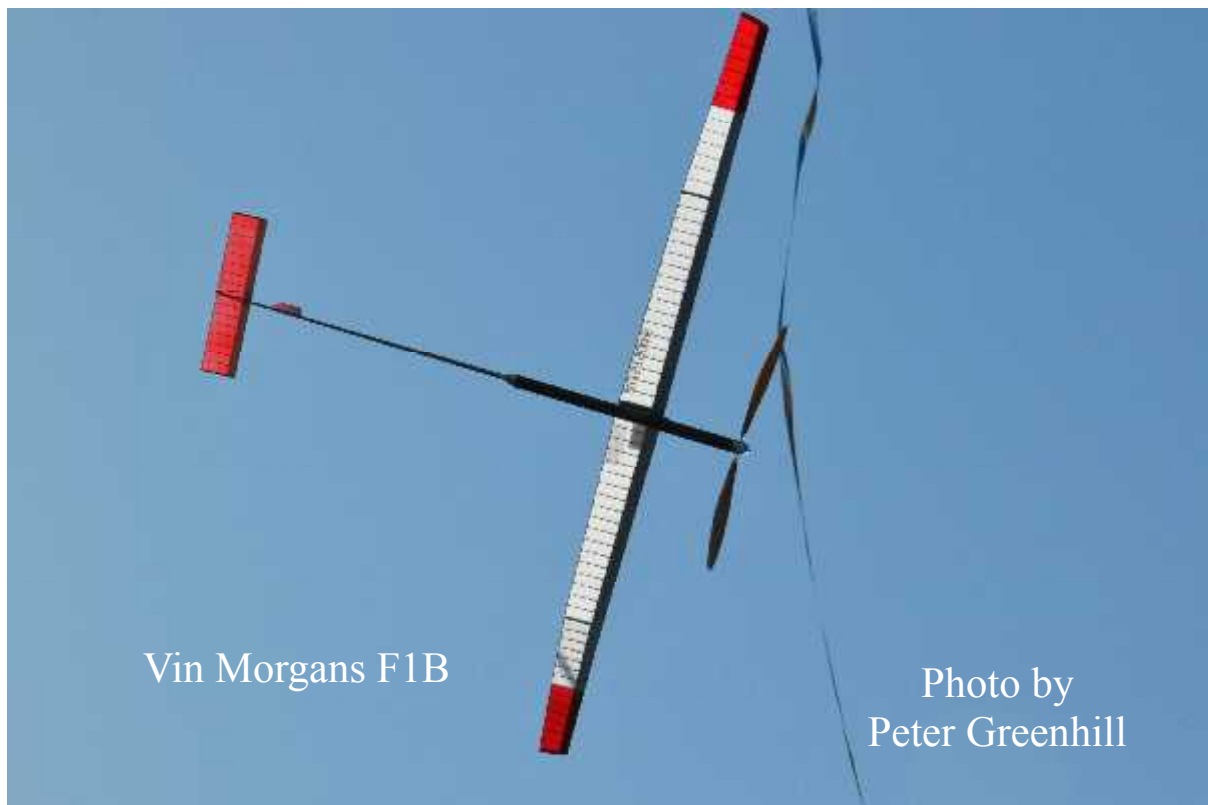
Roy Summersby launching a folder
F1C

Photos by
Peter Greenhill

A man in a grey t-shirt and khaki pants is launching a model rocket in a grassy field. He is holding the rocket with both hands, and it is tilted upwards. The rocket has a red and white striped body and a blue and white striped tail. A thin wire is visible extending from the top of the rocket towards the ground. The background shows a clear blue sky and a line of trees in the distance.

Craig Hemsworth (Father of Thor) about to launch F1B

Photos by
Peter Greenhill



Vin Morgans F1B

Photo by
Peter Greenhill



House at West Wyalong

Photo by
Lynette Frost



NSW FREE FLIGHT SOCIETY STATE CHAMPIONSHIPS

F1A, B & C. AB Field West Wyalong 20-21 June 2015.

F1A.

Phil Mitchell.	180	180	180	180	180	180	180		1260
Tahn Stowe.	180	133	180	180	180	180	180		1213
Albert Fathers.	180	180	105	180	137	180	180		1152
Matt Hannaford.	180	180	180	77	180	180	82		1059

F1B.

Vin Morgan.	180	180	180	180	180	180	180	322	1582
Craig Hemsworth.	180	180	180	180	180	180	180	281	1541
Terry Bond.	180	180	180	180	180	180	180	233	1493
Matt Hannaford.	160	180	180	180	180	180	180		1240
Leigh Morgan.	160	180	180	180	148	158	180		1186
Donna Grey.	174	180	180	180	180	65	180		1139

F1C.

Terry Bond.	180	180	180	180	180	180	180	282	1542
Roy Summersby.	180	180	180	180	180	180	180	218	1478
Gary Pope.	180	180	180	180	32	0	0		752

NOTICE

NSWFFS JULY MEETING

CHANGE OF DAY AND DATE

THIS COMING MEETING WILL BE ON

TUESDAY 14TH JULY 7.30PM

HARRIS PARK

This is due to six of our members that will be heading overseas to compete in the 2015 world championships and other support events.

MAAA Vice President Carl Bizon will be in attendance to talk about the unification of NSW. Please try to attend this important meeting as it will affect YOU.

Hints and Tips.

Spray Dope (Hairspray) by Joe Supercool

Passing thru the Supermarket I noticed a very large can of Schwarzkopf "Super Styling Lacquer", 500g for \$9.00. Apparently it features "long lasting hold with silk shine" and "extreme hold". My beat-up old models could use some "shine", so I bought a can for test purposes. I was assured that the spray worked on grey hair although the chick looked at me rather strangely when I asked.

An open-frame test piece was made 3" square and tissue covered. Water shrinking was not performed. A coat of the spray lacquer was applied, at which point the tissue went really limp, just like with real dope, but when the lacquer was completely dry the wrinkles all went and the tissue shrank in the approved manner. Very easy to apply uniformly.

This was rather good. Regular dope seems to make my models twist up like pretzels, which is why I have been using water-based Eze Dope, which has less shrinking power.

So the weak shrinking of the hair lacquer gave promise for use on light-weight structures, such as rubber-powered F/F models.

Eventually I applied 5 coats to the tissue, which gave a well-sealed appearance to the tissue. Also, 5 coats were applied to a piece of 1.5mm balsa sheet. This was not enough to seal the balsa, although the wood became "hairy" in the traditional way. The wood did not curl, as it does with strong dope, so the spray lacquer is quite thin.

Some of the ingredients I wouldn't want on my skin, but the listed Acrylates appear to be the active ingredients.

Worth a try for use on light structures where strong shrinkage is a problem.

The Whole World Is But A Stage

The morning after the 1951 Wakefield Cup finished. I stood alone on the airstrip at Jami Jarvi in Finland.

I had achieved my life's ambition, I had flown in the Wakefield Cup. No further dreams.

I had hitched hiked to Finland and was at a loose end.

The contester Clas Haglestad, asked me "when I was going and where". I said I had no plans. We yarned a while, told him I was a wood worker. We struck a deal. If I repaired the wood work on his Fairy Nipper, he would pay for me to stay at Jami Jarvi and learn to fly. We both took a gamble.

When their annual air show came around, Leo a pilot from Switzerland and myself though we should give them a hand.

We got hold of a 4 wheeled trolley plastered with just married signs and a few tins for noise.

In it was a big ply box with a big label Australia or Bust. We got hold of an old Jersey cow and fitted with a saddle, bridle and rope to tow the cart and wandered in amongst the crowd.

When I reached the edge of the landing strip I saw Leo's Piper Cub standing there with the motor running.

I gave the bridle to a startled onlooker, grabbed the ply box and ran down to the Cub. Fixed it to the sailplane released the bracket near the tailskid and took off.

As I picked up speed the box bounced a few times ,burst opened and the back wash of the prop sent hay flying everywhere.

We did a few wobbles, faked engine trouble and appeared to crash behind a hanger.

After lunch I came back covered in bandages, my arm in a sling. I was grabbed and taken up to the announcer.

The interview in Finnish, went something like this.

What was the box of hay for?

To feed the cow.

Why didn't you take the cow?

Her Australian passport hadn't cow through.

A man in his time plays many parts.

Adrian Bryant

Australian Results 1951 Wakefield Cup

All proxy flown

J Fullarton	17	A Lim Joon	25	A King	51
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A Lonergan	18	J Holmes	50
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Free flight hobby aircraft are amazingly fun. Even though the pilots are stuck on the ground watching, there is a vicarious thrill in floating their planes over open fields, sending them soaring past clouds, and seeing which of their friends can ride thermals the longest. Here are six reasons why the free flight style is so popular.

1. Increased Maneuverability

The main alternative to free flight aircraft is the control-line style that many people are familiar with. Control-line planes are tethered to their operators on the ground by two thin, long wires that facilitate maneuvering. Free flight aircraft, on the other hand, soar completely unhindered. While both styles have long histories, there are many advantages to free flight. These aircraft are easy to launch, and they manage themselves while they are aloft; once they have been released, the operator doesn't have to do anything besides sit back and enjoy the show. Although relinquishing control can take some getting used to for pilots who have spent hours pouring their hearts and souls into constructing their planes, most people find this laid-back flight style more relaxing.

2. Freedom of Design

Unlike other kinds of aircraft, such as radio-controlled models, free flight planes have no external control. Competitors launch theirs with a simple upwards throw, and then they wait for them to come back down as they will. Because these planes are made to fly for a maximum amount of time without falling, they usually have significant design differences from other aircraft. There is no way for an operator to react to turbulence or other unstable air conditions, so each aircraft must be able to right itself and compensate for atmospheric variations. In most cases, this is accomplished by carefully placing the plane's center of gravity in relation to the furthest parts of the airframe. If a sudden gust pushes on a wing, the nose, or the rudder, the way they have been spaced around the center of gravity will allow the entire plane to rotate or shift gently until it finds a more stable position. All this tweaking may seem like a lot of work, but there are plenty of builder's resources to be found in forums and at competitions. Most pilots find that the need to change their designs leaves them with a lot of leeway to make striking custom modifications. Unlike radio-control (RC) and control-line planes, relatively few free flight models are copies of real-life aircraft. Creativity is key, and there are very few rules stopping people from doing whatever they please as long as their competition designs adhere to weight and overall size standards.

3. Friendly Competition

The real objective of free flight aircraft derbies usually has nothing to do with speed. Although there are a few competitions that keep track of how fast pilots' craft fly, most are only concerned with how long they can stay aloft under their own power. This means that the competition culture is decidedly less stressful although just as dedicated. In order to get their planes to stay aloft for as long as they can, people work hard to make new modifications and engage in regular test runs. They hone tiny details like the pitch and depth of the wings, the body shape, and the size of the rudder. Other common modifications include doing everything possible to shave weight off of the already tiny support struts that comprise the airframe without making the plane too weak to handle sudden air currents. Competitions are generally friendly affairs where people trade tips and exchange design notes even as they are competing with each other. The rules of competition are usually simple; planes are only constrained to maximum wingspans, minimum weights, and the type or lack of power source used. Most well-known events adhere to the different free flight classifications established by the Swiss Fédération Aéronautique Internationale, but there are many unofficial classes and regional derbies that define their own rules.

Annual competitions take place all over the world. There are also huge seasonal events and regular meet ups in many major cities. Those who cannot find a local event or club usually have no problem setting up something of their own. As long as they have an open field to throw or slingshot launch their planes from and nice weather, things go quite smoothly.

4. More Hobby Oriented

Learning to craft and evaluate free flight planes is a hobby that many people take years to master. Even though the principles can be approached in an uncomplicated, non-mathematical fashion, many pilots and enthusiasts are more than willing to devote extra effort to getting better at their craft. There are many different subclasses of free flight aircraft, like hand-launched or line-towed gliders, propeller craft that use either rubber bands, Methanol-fueled glow engines, electric motors, or CO2-powered engines, and indoor models. This variety means that people have a lot of options for how they build, fly, and compete. Even though many people simply buy free flight kits on eBay, it is usually not long before they are making their own modifications in order to achieve longer flight times and smoother performance. There is an infinite number of changes one can make to get a better flight out of the same basic plane. With many kits that use light materials such as balsa wood, silk, heavyweight paper, plastic, foam, nylon filament, carbon fiber struts, fiberglass, Kevlar, or bamboo, these changes can be made easily using little more than a sharp hobby knife and some strong adhesive. There are few hurdles in the way of those who want to get into free flight aircraft, and the hobby usually promises many years of rewarding experiences. The fact that there is an abundant number of kits and pre-fabricated gliders that require little assembly allows novices to get a smart start on their own while avoiding many common aeronautical mistakes.

5. Free Flight Aircraft Are Also Fun Indoors

Unlike control-line and RC aircraft that are strictly for outside use, many free flight models are designed for inside use. For instance, there are entire indoor competitions devoted to nothing but rubber-band-powered free flight. These inclusive community gatherings are commonly attended by high school science students, younger hobby enthusiasts, and their parents and teachers. Though the size and speed of control-line and RC craft make them pretty difficult to operate safely inside, small-scale free flight distance derbies can be set up in gyms, cafeterias, and other common spaces. Indoor free flight is great for days when the weather doesn't permit outdoor launches. The competitions also provide pilots with a unique opportunity to tinker with design changes on a smaller scale and see how they perform before applying them to larger outdoor craft.

6. The Sport Is As Interesting As the Hobby Craft

Because free flight aircraft performance is dependent on the surrounding environment, a big part of the sport involves learning how to read the local atmospheric conditions. Flyers use everything at their disposal to find thermals, or heat-driven updrafts, because they help planes get a bit more lift. Light Mylar wind streamers, soap bubbles, and tethered balloons that make the air currents a bit more obvious are all common sights at serious free flight aircraft championships. Operators train themselves too. For example, some hand-launched glider pilots practice their takeoffs repeatedly. Because these small aircraft are thrown from the ground, it is important to hone one's slinging skills.

Finding and Buying Free Flight Aircraft on eBay

There are many different types of free flight airplane models on eBay. These range from pre-assembled flyers to bare-bones glider kits. Although it's easy to simply search for the phrase "free flight airplane" from any eBay page, many shoppers have better luck when they look for something more specific.

To get started, move the mouse over Browse by category, and then click on Toys & Hobbies. On the left side of the page, click Collector & Hobbyist toys. This is a general category that changes from time to time, so it may show some current deals on free flight aircraft. If not, simply scroll the page down and hover over the Radio Control & Control Line entry on the left side of the page, then click on Control Line & Freeflight from the popup menu. To find a specific part, like a Cox motor for a powered free flight aircraft, enter the relevant term in the search bar and press Search. Find plans for vintage craft like Kloud King models by searching for their brand name. eBay also has individual listings for tools and materials, such as balsa wood packs, carbon fiber struts, and Kevlar.

Conclusion

There are tons of ways to build and fly free flight aircraft. Do not be hesitant about choosing a beginner model because it is nearly impossible to make mistakes. Low entry prices for basic kits and simple construction methods means that crashes and assembly errors are easy to learn from, and most setbacks don't keep pilots grounded for too long.

NSWFFS Contest & Fixture Calendar 2015

Date	Event	Venue	Time	C/D
June 20-21	NSW State Champs F1A,B,C	W Wyalong	8.00am--3.00pm	Jim Christie
July 4-5	Scale Rally Weekend. Scale comp Sat 4 th , Sun 5 th ½ Hour scramble, Fun Fly C/L flying & BBQ Lunch	Richmond	7.00am till dark	Tahn Stowe Roy Summersby
July 17	General Meeting	Harris Park	7.30 pm	
July 26	Combined %	Richmond	7:00am – 1:00pm	Jim Christie
Aug 9	Combined %, Multiple Entries.	Richmond	7.00am- 1.00pm	Terry Bond
Aug 23	Scale Rally, P 30, Combined Vintage	Richmond	7:00am – 1:00pm	Tahn Stowe
Aug 29-30	Cowra Oily Hand Weekend	Cowra		
Sep 13	½ Hour Scramble + Tomboy Mass Launch. Fuller Day, Stomper, Dixielander, Zoot Suit. B-B-Q Lunch	Richmond	7:00am – 1:00pm	John Corby
Sep 18	Annual General Meeting	Harris Park	7:30 pm	
Sep 20	Combined % 5 flights	Richmond	7.00am - 1.00pm	Matt Hannaford
Oct 2,3,4,5	Combined with SAMS State Champs F1G,H,J + Vintage Power, Rubber,& Glider , ½ hour scramble	W. Wyalong A.B.Field	7.00am- 1.00pm	Roy Summersby Peter Scott
Oct 18	Combined % Multiple Entries	Richmond	7:00am – 1:00pm	Gary Pope
Oct31Nov1	Victoria State Champs F1A,B,C,	W Wyalong	8.00am - 3.00pm	Vin Morgan
Nov 15	Vintage Rubber + Scale Fun Fly	Richmond	7.00am- 1.00pm	Tahn Stowe
Nov 20	General Meeting	Harris Park	7:30 pm	
Nov 29	F1G, H J, (Combined)	Richmond	7:00am – 1:00pm	Gary Pope
Dec 13	½ Hour Scramble, Combined Vintage with SAMS & Fun Fly. BBQ Xmas Lunch	Richmond	7:00am – 1:00pm	Terry Bond
Notes 1. 2.	All scrambles start as close to Sport FF, CL,& RC Flying welcome	8.00 am as on AB Field	Possible at W Wyalong	Plenty of room



The New South Wales Free Flight Society Inc.

Dear Chris, Jenna, and Little Billy

Last Friday night was a real corker! Its success can only be put down to the efforts you and Phil made to present the assembled modellers with a real Australian welcome. Many of the people would never have experienced real fresh lamb on a spit with camp ovens buried the 'Bushy' way.

The Chinese visitors did not expect such an Australiana welcome and neither did the New Zealanders. I think they had different ideas about the sheep but there you go! I am sure that everybody had a suitable amount of lubrication, good cheer and stimulating conversation.

Especially welcome were Jenna and little Billy. I am sure Jenna was behind the scenes in the preparation of the evening and made the evening flow smoothly. The ladies enjoyed the presence of little Billy and were amazed that he was so well behaved, not like some of the senior citizens on the night.

Matt has returned to work and still talks about his hunting trip with you and Phil. No doubt he will return to enjoy similar entertainment.

All in all it was a fabulous night and thanks for making it so good. I should also mention Phil; you two blokes did a great job of the pergola and in no time at all. I have paid Lanyans the extra as well. Phil seemed to enjoy himself with the townies with the few beers that he had.

I will call you about our next trip, should be our shout next time.

Regards

Terry Bond

President New South Wales Free Flight Society

RICHMOND SCALE RALLY

2015

4th & 5th July Richmond NSW



Come and join the biggest and best Free Flight Scale Rally in the Southern Hemisphere.

- # Dozens of Free Flight Scale models on the beautiful turf at Richmond NSW.
- # State Champs for F4A and Rubber Scale, including the Reg Jude memorial trophy.
- # Prizes for “Peoples Choice”, “Next Time” and “Spectacular Arrival”.
- # Sumptuous Buffet Dinner and Awards Presentation on Saturday night.
- # Also includes a Power Scramble on Sunday morning (8.00 am).
BBQ lunch and Control Line Fun Fly also on Sunday.
- # Hot soup and bread rolls available on the field.



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