



# BALLARAT RADIO MODEL FLYING CLUB Inc.

Inc. No. A0001288M

## NEWSLETTER – August, 2001

### Committee 2001/2002

<i>President</i>	Max Rowan	<i>Returning Officer</i>	Rick Pimblott
<i>Vice President</i>	Glenn White	<i>Public Officer</i>	Roger Carrigg
<i>Treasurer</i>	Rick Pimblott	<i>Safety Officers</i>	Hugh McCormick, Matt Billett
<i>Secretary</i>	Roger Carrigg	<i>Newsletter Editors</i>	Glenn White, Roger Carrigg
<i>Publicity Officer</i>	Glenn White		

The next meeting of BRMFC is to be held at Central Highlands Table Tennis Centre (corner of Howitt and Doveton Streets) on **Wednesday August 22<sup>nd</sup> 2001** commencing at 7.30PM. Please come along to the meetings and support your club and be part of the decision making process. Don't forget to bring a plate for supper afterwards.

### Agenda Items for the next meeting

1. **New Field**
2. **Fund Raising**
3. **Field Safety – First Aid**
4. **Payment of Fees**

### Points of interest from the last meeting

#### 1. **Bowes Road Field**

##### a) **Road Sign**

Max Rowan reported that he has contacted Ballarat and Golden Plains Councils about removal of the *Model Flying Field* road sign. They said that we should take it down. Moorabool Shire has advised that they will erect it at Spreadeagle Road in a couple of weeks.

##### b) **Cleanup**

Max Rowan also reported that he is going to take the locks off the gate in a couple of weeks. Bill Ham will then use his own lock. The old freezer is to be kept while everything else is to be taken to the tip. The shed is to remain.

#### 2. **Roy Gladman Trophy Round 2 Aerobatics**

Glenn White spoke on the event and made the following points:

- Require a small trophy to award to the winner. Glenn said that he would organize it.
- 9:30 AM start.
- Spoke briefly about the flying rules.
- There will be a barbecue lunch.
- Entry fee will just cover cost of food and trophy.
- The number of rounds will be decided on the day. (2 or 3)

#### 3. **New Field**

Max Rowan advised the following:

- The toilet is almost complete and should be finished in a couple of weeks.
- Once the toilet is finished we can start on the shed (garage).
- Moorabool Shire has indicated that they will re-grade the track in when it dries out.
- Suggested sponsorship from Meredith Nursery for trees. Max to follow up.

- David Fiske wants the area bounded by fencing to be kept as small as possible.

Noel Findlay reported that the steps required for access to the toilet are being constructed at the moment at a cost of \$300.

Wally James suggested that we use the excess 44gal drums at the field as water storage for fire fighting. The meeting thought it was a good idea.

#### 4. **Fund Raising**

Glenn White advised that he has nothing to report at the moment.

Max Rowan reported that he has booked the spot outside Safeway Sebastopol for Saturday 22<sup>nd</sup> September and Coles Peel Street for Saturday 10<sup>th</sup> November from 9.00AM to 2.00PM for a sausage sizzle. Propose to sell for \$1.00 each, which is the generally accepted price.

A Health Permit is required from Council and we will require our barbecue to be cleaned.

#### 5. **Visitors and Incident Book**

The newly elected Safety officers are to organize.

#### 6. **Payment of Fees**

The Secretary advised the meeting that fees are due by 31<sup>st</sup> July 2001.

#### 7. **VMAA Directory**

The Secretary reported that the VMAA is to reprint the VMAA directory and that club details must be submitted by 31<sup>st</sup> August 2001. The Secretary advised that he is going to forward the information to the VMAA Editor by the due date.



### Annual General Meeting

The AGM was held on Wednesday July 25th 2001 and held no surprises. The committee remained unchanged

with the exception of the two new safety officers. See the top of the newsletter for the committee members for 2001/2002.



### Bronze & Gold Wings

The VMAA is running two **lucky draws** for members gaining their proficiency ratings.

All members who gain their **BRONZE wings** during the year 2001 will be eligible for one of the prizes which is a VMAR Arrow low wing sports model with GMS 47 2 stroke motor.

Members who have gained their **GOLD wings** during the years 2000, 2001 and through to June 30<sup>th</sup> 2002 will be entered in the draw for a VMAR PC9/A Pilatus 81" span in the Roulettes color scheme.

The prizes are being kindly sponsored by the Australian Model Aerodrome.

If anyone is interested in going for their Bronze or Gold wings rating, contact Glenn White or Roger Carrigg. There is no doubt it helps to improve our standard of flying.



### New Models seen at field

No new models to report this month, however it is nice to see some old faces back at the field. Murray Johnson is back flying his Cub and flying it quite well.



### Crash Report

Only one crash to report this issue; Wayne had the misfortune to lose his model during the Roy Gladman aerobatic competition held recently. It happened to his ARF CAP 231 powered by an OS91FS, during the second round, whilst attempting the two-turn spin manoeuvre. He fell into the common trap of pulling out too quickly and not allowing the aircraft to gain flying speed. He also failed to power on which exacerbated the problem. Model immediately went into another spin, this time too close to the ground to recover. Model was extensively damaged.

We must give Wayne credit for his rebuilding skills, because the CAP was back in the air two weeks later and Wayne says it flies even better than it did before.



### Yendon Field Progress

The members who have been out at the field recently will have seen substantial progress. The toilet facilities are nearing completion. In fact it is now operational and will be really good when Noel puts the door on (Sorry Noel). Rather than build the steps (toilet floor is about 1.2 metres above ground to house the composting unit underneath),

Noel arranged for Findlay Engineering to construct them. They have done an excellent job and well worth the small extra cost.

Max has welded a stand to support the 600L water tank to service the toilet. Max has done a very professional job using second hand materials.

Hugh has been busy painting the 44 gal drums. Two are bright red, which will be used to catch tank overflow and be available in the case of a fire emergency. Hugh also spent two hours aerating the runways with a spiked roller.

Thanks to Graeme Allen for his efforts obtaining building materials (wall cladding and flooring) and for transportation of all the heavy items using his heavy duty trailer.

Thanks to Peter Barnett who has made an excellent job of the club sign on the main gate.

Of course we must mention Noel who has given up much of his time to oversee and carry out most of the building work. Also thanks to Noel for supplying his work tools.

The new clubhouse arrived at the field last Saturday (11<sup>th</sup> August) in kit form. Martin has kindly donated his time to oversee the assembly and erection, which is quite complicated.

Thanks to all the members who have assisted during the Saturday working bees. There is still lots of work to be done, inside of toilet has to be painted, club house to be erected, walls and roofing material to be put on.

If you are available on a Saturday morning and/or afternoon give Max a ring (0408 501 584) on the Friday before to find out what is required.

Some trees and shrubs have been kindly donated by Meredith Wholesale Nursery and were planted around the buildings last Saturday (18<sup>th</sup> August.). If you are in need of any nursery products at home don't forget to go and see Pam and Barry at Meredith Wholesale Nursery.



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Hopefully next Saturday (25<sup>th</sup> August) the weather is kind and we can erect the shed.



### Tips & Tricks

**Tissue Covering** – Here is an edited article on covering models with tissue and dope, which appeared recently in an English modeling magazine. The method described is

almost identical to the way I (Roger) finished my red, white and blue Blackjack. Some of the product names mentioned in the article might be unfamiliar.

*With most scale models where skin is a hard metal surface, such as world war two fighters and the like, there are two main methods of covering the surface prior to the application of paint. These are, firstly, glass cloth and resin covering or, the good old fashioned favorite of Tissue and Cellulose Dope.*

*Some of you might ask, why bother with tissue at all and just paint the sealed wood? Well, the application of tissue helps to bind the surface of the wood together and the use of cellulose dope creates almost a stressed skin, which is easily repairable if a crash occurs.*

*Other advantages are that the subsequent finish does not blister up in hot weather like some heat shrink coverings do and, maybe, last but not least, it's actually quite cheap!*

*What follows now, is a method of tissue covering that I have used for many years. I cannot claim that it is the best way, only that it works for me and will surely work for you to.*

#### **Materials**

*Obviously, the main material needed is the tissue itself. I use mainly medium weight tissue. On no account should you use the tissue that your wife's new dress was packed in, its not the same stuff at all and tears very easily.*

*The other main ingredients are banana oil (a non-shrinking dope), cellulose dope and the appropriate thinners.*

*Banana oil is available from your local model shop and is used on thin sheeting (say a 1.5mm balsa covered wing) where proper shrinking dope would distort the structure. As for the thinners, don't buy proper cellulose thinners, I use a recycled thinners called gun wash which is available from the local car paint suppliers for less than a fiver for a gallon and this I use to thin paint as well. It lasts ages and is excellent value for money.*

*If you do use shrinking dope, make sure that you don't run the tissue into concave surfaces. If you do it will tighten and lift off when the further coats of dope are applied. Cut the tissue so that edges run into the concave.*

*Finally, sanding sealer is needed. Once again I make my own using dope and a sprinkling of talcum powder in an old mug. This takes seconds to do and I think it fills the wood grain far easier than proprietary sanding sealers. It also sands back very easily.*

#### **Surface Preparation**

*This is perhaps the key to a good finish. It is absolutely vital that the surface to be covered is as smooth and blemish-free as a babies bum! This is achieved using progressively fewer grades of glass paper, filling any dents with a fine surface filler.*

*Having prepared the bare wood in this way, the next step is to apply two coats of the home made sanding sealer, flattening back each coat when dry. We are now ready to apply the tissue.*

#### **Applying the Tissue**

*I actually cut a piece of tissue about 1" (25mm) oversize to the component to be covered and then hold it up with one hand whilst spraying a little water on it using a sprayer. The water helps the tissue grip the surface of the item. I then spread out the tissue on, say, the bottom of a*

*wing panel and smooth out the wrinkles as much as possible.*

*Using 50/50 thinned dope, I then start brushing through the tissue from the centre and working each way towards the leading edge and then the trailing edge, letting the damp tissue overhang the edges. If there is double curvature, like on a wing tip perhaps, I cut slits in this part and brush each segment down individually.*

*If I have to join two pieces of tissue, I usually aim for an overlap of about 6mm (all overlaps are carefully sanded out when dry) and at this stage the surface is sometimes covered in white blotches because of the water in the tissue. These are of no consequence and will disappear when doped over later.*

*All overlaps can then be trimmed off using a sanding block for best results, or a very sharp blade for tight corners. The wing can then be turned over and the upper surface covered in the same way. I make no attempt to cover the inside edges of an aileron cut out for instance, as this face is sealed with dope anyway.*

*When the tissue has dried out, the surface is quite rough due to the texture of the tissue and now I very lightly sand back the surface sealer, being careful not to sand through the tissue.*

*I then apply as many coats of sanding sealer as necessary to achieve a good surface for painting, usually three or four. The surface is sanded back between each coat, remembering that it is not the aim to build up a thick layer of sealer, but to just fill the tissue grain to a smooth finish.*

*At this point, the surface is just about ready for painting and the job is done.*

*The above may seem very labor intensive, but is really quite quick, as the sanding sealer and dope dry quickly. The only down side of it is that dope does rather have its own odour! However I do my modelling in my garage so I don't care!!*

*I'm sure that if you've never covered with tissue before, you'll be hooked once you've tried it.*

*On the Blackjack, I then finished it with three coats of Wattyl Spartan Supercryl Primer Surfacer sanded back heavily between the first two coats. The number of coats required will depend on the smoothness of your surface preparation. Once you sand it the blemishes are highlighted immediately. I used the filling properties of the primer surfacer rather than the dope and talcum powder, because it is quicker and easier than brushing on repeated coats of dope and talc. If weight is a major consideration then the dope and talc should be used as the primary surface filler. After the last coat of primer surfacer is applied sand it lightly so that a surface with consistent color and shading is maintained for the color coat. The color coats applied were Wattyl Spartan Supercryl Series II Advanced Acrylic Lacquer. Make sure that the temperature is above 15° C and not damp. I put the red on when the temperature was about 15° C in the garage, but it was raining and the red dried chalky. It had to be rubbed back and painted again. On cold days it is necessary to heat the garage first.*

*There is no end to the experimentation that can be done with finishing and painting. The two-part epoxy paints have the advantage that they are fully fuel proofed and can be applied under very cold conditions. The down side*

is that they are more expensive and once the hardener is mixed the shelf life is only a few hours.

If anyone has something that they can contribute to Tip and Tricks please send to the editor.



## Roy Gladman Trophy Round 2

The second round of the Roy Gladman trophy (aerobatics) was held on Sunday 29<sup>th</sup> July under reasonable conditions for this time of year. This was the inaugural competition held at the Yendon field. We had better than expected entries. Seven members attempted the aerobatic schedule and most made a pretty good job of it. There were several anxious moments particularly when the judges were seen to be running for shelter (not from the weather but wayward models). See the results table at end of newsletter.

Many thanks to the two Graemes (Graham Waterhouse and Graeme Allen) for their years of experience in judging aerobatic competitions!!!

It was good to see that everyone came well prepared. One had to go home for wing bolts, one for his transmitter and one had to go home for another model!!!

Lets hope that the next round is as much fun. The third round is the scale event and will be held some time in November.



## Coming Events

It is that time of year again. One of the best scale events of the year is on again in September at Shepparton. A few club members (both flyers and spectators) are making

arrangements to attend. If you are interested contact Roger or Glenn. The event is to be held at the Shepparton field on 15<sup>th</sup>/16<sup>th</sup> September. There may be spare accommodation and shared transport available.



Good to see that Sandra at Top Gun Models is back on the mend after undergoing some worrying health problems.

An updated membership list will be included in the next newsletter. By that time the 2001/2002 membership should be fairly well established.

We will need some members to support the *sausage sizzle* to be held outside Safeway in Sebastopol on Saturday September 22<sup>nd</sup> 9.00AM to 2.00PM. This is a fund raiser and also an opportunity to promote aeromodelling to the general public. We are submitting a permit to Ballarat Council.

Don't forget we like plenty of pictures for the newsletter especially any phunny fotos.

## Event Calendar

Sept 15 <sup>th</sup> /16 <sup>th</sup> 2001	Mammoth Scale Fly-In – Shepparton.
Oct 6 <sup>th</sup> /7 <sup>th</sup> 2001	Mammoth and All Sorts Fly-In – Sunrasia Aero Club – Mildura.
Oct 20 <sup>th</sup> /21 <sup>st</sup> 2001	Mallee Rally at Warracknabeal.
Oct 21 <sup>st</sup> 2001	Scale Rally at MARCS.
Dec 29 <sup>th</sup> 2001 to Jan 5 <sup>th</sup> 2002	55 <sup>th</sup> MAAA National Championships at Albury/Wodonga.

That's all for now. Good flying.  
G.W & R.C.

### Roy Gladman Perpetual Trophy - Scores Round 2 Aerobatic (29th July 2001)

Contestant	Aircraft	Round 1	Round 2	Round 3	Total	Remarks
Roger Carrigg	CAP 231 OS 91 FS	482	415	379	897	
Glenn White	Hornet	453	388	335	841	
Matt Billet	Extra 300 OS 91FX	414	420	381	834	
Wayne Goodwin	CAP 231 OS 91 FS	321	358	0	679	On pulling out of spin during second round, aircraft suddenly stalled and went into another spin which Wayne was unable to recover. Model sustained major damage.
Nick Katsikaros	Own design low wing	294	270	295	589	
Peter Evans	High wing trainer	271	232	214	503	
Max Rowan	Spitfire	20	207	175	382	Engine troubles with pattern machine on first round. Rounds 2 and 3 were flown with the Spitfire.



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