

From The President



PRESIDENT'S REPORT MARCH 2013

Another month has passed by, and we are a quarter of the way through 2013 already! First, I want to congratulate Graham Hawkins on an excellent demonstration of how scroll sawing can be used to produce anything from jewellery to embossed geckos on the lid of boxes. The trick of setting the table at 4-5 degrees to make a seamless join was a real eye-opener to all of us. Graham had put a lot of thought and effort into his first demonstration since he became a member (must be 20 years ago this year?). I think many more of you could step up and show other members your own skills.

The committee has been working on our OH&S policies and Standard Operating Procedures, and as we said at the last meeting, Safety is everyone's business. If we always bear in mind that lathes, bandsaws, grinders and chainsaws are all capable of causing injury, then there is a responsibility to take sensible care when using them.

I went to the 3rd Saturday meeting (a little late) which was well attended and Ron Allen gave a talk on use of, and setting up of, the bandsaw, and then how to join a length of saw blade using silver solder. Quite a few members went off happily with their new blades. Unfortunately, I let myself in for a demonstration of how to start on a chess set on May 18 – that will give some of you a chance to have a go before the July meeting when I will do a repeat performance if needed.

The bulk of the government grant was used to purchase the lathe for demonstrations, and now to go with it, Ron Allen and his team have bought a Ledacraft dust extractor which was judged to be the quieter of those on offer.

The exhibition committee is, as always, spreading the word through demonstrations etc., the next one is at Bunnings at Kent Town on Saturday March 30 which will have been and gone by the time you read this, and Graham Reed is hoping for another at the Parafield Bunnings in the future. Also, they plan to have a stall, and a demonstration if power can be supplied to the lathes, at the Barossa Air Show. Anyone who can help at these events is very welcome – just contact Graham or Bill Elliot or Tony Davies.

If you can suggest donors for a raffle at the Big Morning Tea, or if you can get suitable donations yourself, please contact Anne Kerr. We want to surpass the ~\$1000 raised in 2012.

Come along to the 2nd Saturday in April if you want to have a few hours turning with colleagues, away from the distractions of home!

Keep the wheels turning,

Tim Smeaton

Committee

President	Tim Smeaton
Secretary / Correspondence	Dale Starr
Treasurer	Ron Allen
Assistant Treasurer	Glenn Kutchen
Member	Bill Elliot
Member	David Rose
Member	Graham Reed
Member	George Pastuch

Your Northern Turners

- *Seeking Excellence*
- *Encouraging Individualism*
- *Fostering Creativity*
- *Teaching Skills*
- *Providing Support*

From the Editor



Holiday mode: nothing to say.

Well not much anyway.

Saturn: I've signed up have you?

Merry Month of May: No details yet but I am assured it will go ahead.

In which case I will need to start sorting accommodation. I had thought of taking my little caravan but now it would appear I will have the usual harem in tow. For some reason or other my wife, Genese, and two of her friends feel that the MMoM is a good time to get away. They loved Mildura, something about some chef up there. I get dropped off at the venue and they go off too do what they do. I think there is also a fair bit of wine involved. They also had a good time at Renmark. Not sure what they will do in Whyalla but it will probably involve wine!

On a positive note I am starting to get more interest in putting in articles, next month we have a very interesting article on Segmented Travel Mugs submitted by John Girdler

This doesn't mean I don't want more so keep them coming.

Dennis Murray, Ed

APOLOGY

APPARENTLY I FORGOT TO MENTION THE DATE THAT TIM SKILTON IS AT
THE MURRAYLANDS OPENING ITS ON THE 27TH APRIL

APOLOGY

Next Meetings

2nd Saturday April 13th

Potpourri bowl

3rd Saturday April 20th

4th Saturday April 27th

Phil Keenihan a DREMEL an its uses.

EDWARD NOAH will be doing a demonstration using MAPP gas on May 25th

Mapp Gas

Being deprived from doing “homies” at work involving gas welding, I have been researching (on the internet) for an alternative welding method that does not involve oxy and acetylene bottles that one must hire at great cost plus the purchase of an oxy set that also costs the earth, just to do the occasional job.

For years I used for light brazing a propane torch which for small hobby work and even the brazing of hobby blades for the bandsaw was satisfactory, although the heat is barely sufficient to get a quality result. As propane burns at a lower temperature it takes a long time to get the metal hot enough to braze as the heat spreads too far rather than quick localised heat due to its slow heating process. So with the system of a propane torch and cylinder in mind I searched for a more efficient and hotter burning alternative, something that is easy to manage, cost effective and reliable, and I stumbled thereby on the MAPP gas technology.

After purchasing a MAPP PRO gas torch and cylinder (All Tools \$108.00) I set out to do some serious welding. It amazed me how quickly the metal to be welded heats up and applying the brazing rod takes to the metal, with a nice flow for an excellent result. (I use a flux coated brass rod) Also the heating up of a metal block stamp I use for burning a mark into leather or timber is very successful and the metal is hot enough within a couple of minutes. With the propane torch I was never able to get the blocks hot enough. I hope that this information is helpful to those that have welding jobs but find the cost prohibitive to warrant the oxy set up. I have to point out that MAPP gas is only for brazing metals and not for fusion of metals without rod and flux. An excellent added feature is the automatic trigger nozzle for instantaneous flame and shut off of flame.

I have included some research information to give you the technical aspect of the MAPP gas and its application

MAPP gas use

MAPP gas can be used in combination with oxygen for heating, soldering, brazing and even welding due to its high flame temperature of 2925 °C (5300 °F) in oxygen. Although acetylene has a higher flame temperature (3160 °C, 5720 °F), MAPP has the advantage that it requires neither dilution nor special container fillers during transport, allowing a greater volume of fuel gas to be transported at the same given weight, and it is much safer in use.

The MAPP/oxygen flame is not entirely appropriate for welding steel, due to the high concentration of hydrogen in the flame - higher than acetylene, but lower than any of the other petroleum fuel gases. The hydrogen infuses into the molten steel and renders the welds brittle. For small-scale welding with MAPP this is not too serious a problem as the hydrogen escapes readily and MAPP/oxygen can in practice be used for welding small steel parts.

MAPP/oxygen was advantageously used in underwater cutting, which requires high gas pressures (under such pressures acetylene polymerizes explosively, making it dangerous to use). However, underwater oxy/fuel gas cutting of any kind has been replaced by exothermic cutting^[1] due to the much faster cut rate and greater safety.

MAPP gas is also used in combustion with air for brazing and soldering, where it has considerable advantages over competing propane fuel due to its high combustion temperature of 2,020 °C (3,670 °F) in Air.

The biggest disadvantage of MAPP gas is cost; it is typically one-and-a-half times as expensive as propane at the refinery, and up to four times as expensive to the consumer. It is no longer used much in any large-scale industry - for larger scale users acetylene/oxygen is more economic than MAPP/oxygen when high flame temperatures are needed, and propane/air is more economic when big overall heats are needed.

However, for the small-scale user the MAPP/oxygen flame is still highly desirable, having higher flame temperatures and energy densities than any flame other than acetylene/oxygen, but without the

dangers and inconveniences of acetylene/oxygen. Jewellers, glass bead makers, and many others find it very useful. Plumbers, refrigeration and HVAC engineers and other tradesmen also value the high heat capacity of the MAPP/air flame; MAPP was until recently widely used, supplied in small to medium size containers.

MAPP gas physical properties
MAPP is colourless in both liquid and gas form. The gas has a pronounced acetylene-like or fishy odour at concentrations above 100 ppm, due to the addition of substituted amines as a polymerization inhibitor. Low molecular weight alkynes have strong odours. MAPP gas is toxic if inhaled at high concentrations.

The composition of the supplied gas has varied widely, with the gases as supplied by different repackagers/resellers at any one time varying, as well as the general composition varying over time, but a typical composition for an early Dow gas might be: methyl acetylene (propyne) 48%, propadiene 23%, propane 27%. For a later Dow/Petromont gas propyne 30%, propadiene 14%, propylene 43%, propane 7%, C₄H₁₀ (isobutane, butane) 6% might be more typical. MAPP gas is shock sensitive. Thermal properties MAPP has an energy content of 2100 BTU/lb while acetylene's energy content is 2500 BTU/lb.^[4] Lots of success with your welding/brazing if you dare to try something new.



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Edward Noah

CLEANING POLYCARBONATE FACE SHIELD VISORS

If the visors are just dusty and / or have wax particles on the surface, use warm, soapy water and a clean, soft cloth or sponge. Gently wipe the surface; too much force can scratch the visor. If the wax does not clean off initially, hold the cloth /sponge on it momentarily to allow the heat of the water to soften the wax, which will then (hopefully) wipe off. If it does not move, do not attempt to scrape it off with finger nails, skew chisels, bowl gouges, or sand paper! All you will end up with is an annoying scratch, usually directly in your line of sight – research has shown!

Any remaining wax or polish etc may be removed by applying Methylated Spirits (denatured alcohol) or Mineral Turps (turpentine) to the contaminated area with a clean, soft cloth, or paper towel. Kitchen towel is very good for this – use good quality towel; the cheap towel tends to fall to pieces and can create scratches. Allow the metho to soak in and soften the wax / polish and flush away with a cloth / towel soaked with metho or turps. In some instances this process may have to be repeated two or three times, depending on the build up and how long the material has been on the visor.



Once all the wax /polish etc has been removed, it should be just a case of a final rinse with warm, soapy water and wipe dry with clean paper towel. Any streaks may be removed with Methylated Spirits applied with a paper towel.

If there are scratches evident after the visor has been cleaned, they may be polished out if they are not very deep. I have removed many scratches from my motorcycle helmet visors and wood turning

face shield(s) with car polish (Kitten No2 Extra Cut) and more recently Maguire's Motorcycle Metal Polish. Both can be purchased from auto accessory shops, e.g. Super Cheap Auto, Auto Pro etc.

Note; I also use these polishes for cutting and buffing the finish on my wood turnings.

Clean the visor with clean water and dry. Load a small amount of polish to a pad of paper towel or cloth and apply evenly over the entire surface of the visor. Rub the pad vertically over the visor, applying a reasonable force (elbow grease) to improve the cutting action of the polish, especially on any scratches on nicks etc. By moving the polishing pad in one direction only (usually vertically, or up and down) 'spangling' is reduced. Once all blemishes have been removed, use a clean soft cloth, or paper towel to polish the visor and remove any remaining polish etc and rinse with warm soapy water and wipe dry.

I use "Mr. Sheen" Multi Purpose Cleaner to clean the visors when using on a daily basis. It contains an anti static / dust repellent additive that is very effective at reducing dust build up on the visor.

Barry Victor

SAturn

El Shaddai Wellington 19-21 July



It's time to start thinking about SAturn again! For those of you who haven't been, it's a great weekend, full of laughter, lies, lathe noise and lots of shavings. The lathes are set up in a huge hall with a great fire down one end – somewhere to throw the disasters. We start Friday afternoon and finish after lunch on Sunday, and there is plenty of food, including freshly cooked morning teas and suppers. The cost is an all-inclusive \$180 for the weekend.

Until 2010, SAturn was held on the second weekend of August. Last year, however, we were informed that date was no longer available, and we were offered a weekend in July.

This year, however, our assigned weekend clashes with the Building and Home Improvement Show, which Woodgroup SA is involved with. This means we are unsure of our numbers, and we need to know them by March 28th.

If you are planning to come this year, could you fill in the attached form (next page) and return it to Cate and Jeff Wrigley, 196 Esplanade Aldinga Beach 5173.

DO NOT SEND MONEY AT THIS TIME. Alternatively you could ring us on 8557 7417.

If you have been to SAturn recently but are unable to come this year, could you also let us know. If we don't get 40 attending we will have to cancel, and this needs to be done at least 3 months prior to the booked date, or we are up for the full cost of the weekend.

I know it's disappointing that you have to make a choice between the Home Show and SAturn, and we will ensure this doesn't happen again. However, we are hopeful we will get the **numbers and the Show Will Go On!!**

Cate and Jeff Wrigley

SAturn 2013 Booking Form

Name(s) _____

Address _____

Email _____

Phone: Home _____ Work_ _____ Mobile _____

I would like to share a room with _____

Special dietary requirements_ _____

Are you a member of WoodgroupSA? Yes No
(If you are not a member, you will need to pay \$7.50 on arrival.)

Are you a snorer (ask your sleeping partner) Yes No

Are you bringing a lathe Yes No

Book caravan site Yes

**I will provide my own safety equipment and my own dust prevention equipment.
I agree not to power-sand.**

Signed.....

*Please return form by **28th March without deposit.** Deposit of \$90 by 30th April, and Balance (total \$180) by 30th June 2012.*

NORTHERN TURNERS PROGRAMME

AT ALL MEETINGS, MEMBERS ARE ENCOURAGED TO GET ON WITH THEIR OWN ONGOING PROJECTS OR TRY OUT THINGS FROM THE DEMO – USE THE LATHES!

	<u>ACTIVITY / DEMONSTRATION</u>	<u>Who</u>	<u>Material needed.</u> You are encouraged to bring your own.
APR 13	Potpourri Bowl	Bill Elliot	Blank and Insert
APR 20	TBA	Ron Allen, George Pastuch	
APR 27	DREMEL	Phil Keenihan	Phil is an experienced demonstrator of ways in which you use a Dremel to embellish your work.
MAY 11	Eggs	Dennis Murray Bill Elliot	
MAY 18	TBA	Ron Allen, George Pastuch	
MAY 25	MAPP gas.	Edward Noah	Use of MAPP Gas to weld, decorate wooden object: apply heat to branding tools etc.
JUN 8	TBA	Dennis Murray Bill Elliot	
JUN 15	TBA	Ron Allen, George Pastuch	
JUN 22	Topic to be Revealed later! BIG MORNING TEA	Brian Purcell	Maybe a Mallet or a Gavel?
JUL 13	TBA	Dennis Murray Bill Elliot	
JUL 20	TBA	Ron Allen, George Pastuch	
JUL 27	Why not make a Chess Set?	Tim Smeaton	Inspired by Roger Parker and David Rose, I made a set. Will show how I managed it.
AUG 10	TBA	Dennis Murray Bill Elliot	
AUG 17	TBA	Ron Allen, George Pastuch	
AUG 24	Returning Green Bowls	Peter Nischke	
SEP 14	TBA	Dennis Murray Bill Elliot	
SEP 21	TBA	Ron Allen, George Pastuch	
SEP 28	Toymendous Projects	Roger Humphris et al	
OCT 12	TBA	Dennis Murray Bill Elliot	
OCT 19	TBA	Ron Allen, George Pastuch	
OCT 26	TBA		
NOV 9	TBA	Dennis Murray Bill Elliot	
NOV 16	TBA	Ron Allen, George Pastuch	
NOV 23	TBA		

Merry Month of May
24-26 May 2013
WHYALLA WOODWORKERS INC

Location *Tanderra Craft Village, approx ½km after passing first set of traffic lights when entering Whyalla.*

Note: *if you pass the ship you have gone too far !!!!*

Cost per active member

\$25-00

This includes catering for partners but excludes the Saturday evening meal

Outline of events

Friday 24th May.

Workshop will be open from 2:00pm to allow for set up and Meet and Greet.

Saturday 25th May

Workshop session 9:30am to 12:00pm
Lunch 12:00pm to 1:00pm
Workshop session 1:00pm to 4:00pm

Evening meal has been booked at the Eyre Hotel corner of Playford Ave and Elliot St at 6:30pm for 7:00pm start.

Menu to be advised upon arrival on Friday

Sunday 26th May

Workshop session 9:30am to 12:00pm
Lunch 12:00pm to 1:00pm
Workshop session 1:00pm to whenever

Please register before Friday 11th May, so final details can be made for catering and any program changes.

NOTE: No registrations accepted after this date!

Register by contacting:

Malcolm Skepper 259 Nicolson Ave

WHYALLA STUART SA 5608

or **Derek Robertson 3 Flinders Ave**

WHYALLA STUART SA 5608

Email: [Merry Month of May 2013](#)

There will be some door prizes during both days also an individual or team competition over the weekend.

Accommodation in Whyalla

Whyalla Foreshore Caravan Park	8645 7474
Whyalla Caravan Park	1800 828 012
New Whyalla Hotel	8645 2955
Westland Hotel/Motel	8645 0066
Sundowner Motel/Hotel	8645 7688
Quest Serviced Apartments	1800 334 033
Alexander Motel	8645 9488
Whyalla Airport Motel	8645 2122
Sundowner Cabin & Motor Inn	8645 1535
Whyalla Foreshore Motor Inn	8645 8877

All of the above are only 5 – 10 min drive from Tanderra Craft Village. This is where our clubrooms are.

PRESIDENT
SECRETARY

Maurice Hynds phone: 8644 2232
Derek Robertson phone: 8644 0495

SPECIAL EVENTS CALENDER

MAY 24 –26	MERRY MONTH OF MAY—WHYALLA—See Above
JUNE 22	BIGGEST MORNING TEA
JULY 19—21	SATURN—EL SHADAI CAMP, WELLINGTON. FORMS OUT ! HAVEN'T GOT ONE ? CONTACT CATE OR ME
OCTOBER 5 - 20	PORT ADELAIDE EXHIBITION
NOVEMBER 1—2	ANNUAL GUEST DEMONSTRATOR : THEO HARALAMPOU (CHECK HIS WEBSITE www.woodturner.com.au)
	BURNSIDE EXHIBITION
DECEMBER	CHRISTMAS BREAKUP

Opinions expressed in this Newsletter are not necessarily those of the Turnout Editor or the Northern Turners Committee.