



Issue 278

April 2011

Shed Notes

Newsletter of the Woodcraft Guild ACT Inc

NEXT MEETING: WEDNESDAY 27 APRIL 2011, 1930 - 2130

Venue: **The SHED**, Lions Youth Haven, Kambah Pool Road, KAMBAH ACT 2902

Photographing Woodcraft

Richard Raffan and Brian Stewart (Justin McCarthy's brother-in-law) will give a presentation, aimed at amateur enthusiasts, on "Photographing Your Woodcraft".

New Dremel Motor-Tools

Les Fortescue will also be bringing to the April meeting Kerry Lewis (National Sales Manager, Dremel) and Craig Bowie (Bosch Sales Rep) to demonstrate some of the new Dremel tools that have recently been released, including the Trio Rotary Tool, Multi-Max Oscillating Tool, 4000 High Performance Rotary Tool, and 8200 Cordless 10.8V Lithium Rotary Tool (see below). The Trio has not yet been formally released here in Australia, so Guild members will be amongst the first to see it in action – it is an impressive bit of kit. This will be a pretty relaxed demo, with a chance for members to put hands on.



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PRESIDENT'S REPORT

Barcode Reader

The Guild will continue its trial of the new barcode reader at the National Folk Festival from 22-25 April. Sellers of woodcraft will be asked to provide the list of their sales items well in advance so that barcodes can be prepared, printed, and given to the sellers to attach to their items prior to the setup of the Guild's marquee at the Festival. Based on the experience of those sellers who used the barcode reader at the Canberra Show, we are confident that this technology can be effective and enhance the efficiency of recording sales, issuing sales receipts, and compiling a complete list of sales from the event for processing prompt payments to sellers. We will continue to monitor the use and performance of the reader, with a view to broadening its applications within the Guild.

2011 TWWW Show and Exhibition – 2-4 September 2011

We still need volunteers to coordinate the Raffle, Demonstrations, and Exhibition (judges and entries); and, importantly, to arrange for sponsorship of the prizes for the annual woodcraft competition. The situation is becoming urgent, and Members are urged to contact the President to help out with this most important Guild event. Without volunteer support, the Guild's presence at the Exhibition will be seriously affected, and may even need to be cancelled. Please seriously consider helping out.

Restoration of Benches for Canberra Hospice

The Guild has begun to meet its commitment to renovate benches for Clare Holland House (the Canberra Hospice). The first two benches and a table are at the Shed, and restoration work is underway. As these are completed, they will be returned, and additional benches taken to the Shed for refurbishment.

Locomotive for Bungendore Library

Owen Stewart has constructed a wooden 'locomotive' for coupling to the Bungendore Library's three library-book 'wagons' in their children's section. Owen delivered the loco, unpainted, to the library at the end of March. The library will organise to have the loco painted to match their existing 'rolling stock', and will invite the Guild back to see the 'book train' when it is finished. The Guild greatly appreciates Owen's efforts and his excellent demonstration of the Guild's commitment to supporting community organisations.



Dan Steiner, President

COMING EVENTS

Internal

Next Monthly Guild Meeting: - Wednesday 25 May 2011 at 1930 at the Shed

Presentation: TBA

External

Next Triton Club Meeting

Wednesday 04 May 2011 – Talk by a prolific jig-maker, followed by members’ “Show & Tell” on jigs. (For further information, contact Burn Alting on 6281 0432, or visit the club’s website <http://www.tocact.org.au>)

Hoskinstown Chestnut Festival

Sunday 08 May 2011 – From 1000 to 1600 there will be a celebratory roast of the products of the largest chestnut plantation in NSW near this little hamlet off the Captain’s Flat Road. Funds raised will support urgent re-stumping and re-roofing of the Hoskinstown Community Hall. The Guild has been invited to set up a stall to sell and demonstrate woodcraft, the only proviso for the latter activity being that we must use chestnut wood (provided). Contact Rod Tier on 6231 6246 or shayrod@incanberra.com.au

Malkara Model Railway & Scale Model Exhibition

Saturday 06 ~ Sunday 07 August 2011, at Malkara Special School, Wisdom Street, Garran – the Guild will be represented by a modest stall, with all Guild proceeds donated to Malkara.

TW³S / Annual Guild Exhibition

02 ~ 04 September 2011 at EPIC – Our other major, and premier, event for the year. You should have already started creating your entries; volunteers to coordinate the Raffle, Demonstrations and the Exhibition itself (judges and entries) are still required – please see Dan Steiner to discuss how you can help.

Marymead Fete

(Day TBA) November 2011 at Marymead, Narrabundah – the Guild will be represented by a modest stall, with all Guild proceeds donated to the Marymead charity.

EDITORIAL

This is the No-Nonsense Issue of Shed Notes, dedicated to those who prefer their woodwork to be taken seriously, with no pathetic attempts at humour by some smart-arse masquerading as an Editor.

Editor

PRESENTATION POSTSCRIPT

At the March meeting, John Jervis gave a very informative presentation on the design, construction and placement of bird, bat and possum nesting boxes for the suburban backyard. For personal reasons, John was not able to provide a follow-up article on his presentation for the benefit of those members who were unable to attend, but he very generously offered to provide information personally on request.



REORGANIZATION OF SHED

A special sub-committee of the Guild met on 01 April; Functional Optimization of Layout was their sole term of reference. With recent purchases of new machinery, such as the SawStop Table Saw and the Festool Mitre Saw, and the imminent arrival of an additional bandsaw and other equipment requested by the Toy SIG, it has become obvious that the current layout of the Shed is functionally sub-optimal, and arguably potentially dangerous.

For some time concerns have been raised by frequent users of the Shed about the amount of space occupied by the three large Vicmarc lathes, and their smaller companions, in their walled-off “turning booths” – space which is effectively denied to other SIGs, despite being used relatively infrequently by turners. Members have also commented about the amount of dust and noise generated by the lathes when they are in use, which adversely affects members engaged in quieter and more artistic pursuits, such as woodcarving.

The sub-committee decided that a radical re-think of the layout of the Shed was urgently required. Fortuitously, this decision coincided with an offer to the Guild by an agricultural organization of a surplus shipping container, of a size which can be readily placed in position on the eastern side of the Shed, forward of the Toilet Block.

All of the lathes, and their ancillary equipment, will be moved into this shipping container and arranged in a “herring-bone” pattern, which will maximise use of the space while ensuring a safe margin of operation around each lathe. A section of the end of the container will be blocked off, and a large industrial fan installed in the partition, which will provide flow-through ventilation and dust-collection combined, obviating the need for dust collection on individual lathes. As the container is an insulated

model, the noise from the operation of this fan, and from the lathes themselves, will be confined within the container and will not impinge on users of the Shed proper.

A spokesman for the sub-committee (who declined to be named because of a possible perception of bias against turners) said that the shipping container was an offer “too good to be passed up”; and that it would “complement the other structures adjoining the Shed”. He observed that the container was “in pretty good condition”, and that its former use in shipping bagged manure would “not be a problem, once it’s had a chance to air out for a while”.

SUSTAINABILITY

As woodworkers, we all would like to see the supply of timber continue. Much of what we in the Guild use comes from urban culling, and causes no concern for the ongoing availability of suitable material. We are also avid recyclers. Indeed, were it not for woodworkers, much of this resource would go to burning or to waste. From wider afield, most of the Australian natives we use come either from casual felling or sustainable sources.

When we come to imported species, the situation is not so clear, particularly where they are from third world countries. The depletion of stocks of some species is so severe that various concerned groups have raised their plight. This has led to the International Union for Conservation of Nature and Natural Resources (IUCN), the International Tropical Timber Organization (ITTO) and the Convention on International Trade in Endangered Species (CITES) researching the situation, and listing species according to the status of their availability. Brazilian Rosewood (*Dalbergia nigra*) was the first plant species that CITES listed as endangered. It is now listed in their Appendix 1 (threatened by extinction). The next ten or so listed are all tropical species, including Meranti (*Shorea* spp.) – commercially called “Pacific Maple” in Australia – which is freely available from Bunnings and other timber outlets.

The Forest Stewardship Council (FSC) is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world’s forests. Established in 1993 as a response to concerns over global deforestation, FSC is a pioneer forum where the global consensus on responsible forest management convenes, and through democratic process effects solutions to the pressures facing the world’s forests and forest-dependent communities. Logs from a certified source are stamped with the Council’s logo and initials. FSC certification provides a credible link between responsible production and consumption of forest products, enabling consumers and businesses to make purchasing decisions that benefit people and the environment, as well as providing ongoing business value. To date, countries in the temperate zones have embraced the certification process to the greatest extent, rather than the tropics where the guidance is more critical.

Further reading:

CITES – www.cites.org

ITTO – www.itto.or.jp

Forest Ethics – www.forestethics.org

IUCN Red List of Threatened Species – www.redlist.org

FSC – www.fsc.org

Rainforest Alliance – www.rainforest-alliance.org

Global Trees Campaign – www.globaltrees.org

Terry O’Loughlin eclectus@grapevine.net.au

ELECTRICAL SAFETY – DEFINITIONS, CALCULATIONS, TEST AND TAG

This is the third in a series of articles by John Armstrong.

As with any trade or profession, some confusion can arise when many words or symbols are used to represent the same object or concept. Similarly, the opposite can apply when one word has more than one interpretation. In Standards Association documentation, for example, the symbol for voltage is always 'V', while text books tend to favour 'E'. Voltage can also be expressed as 'potential difference', 'electro-motive force', and so on. The 'Standard' unit for current is Amperes, which is usually shortened to amps, or represented by 'A'. The symbol 'A', however, is also used to indicate the 'ACTIVE' pin on your 3-pin plug. Similarly, the word 'LIVE' can be confusing. When a circuit is complete and a current is flowing, **all** of the circuit is LIVE. The voltage in the circuit varies from the supply value of 240 volts as you start at the ACTIVE supply point down to zero as you finish at the NEUTRAL contact, but the whole circuit is LIVE.

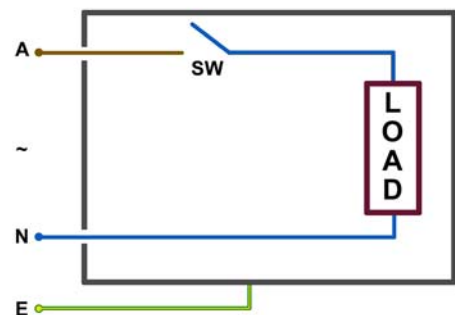
Power is the rate of doing work, and in electricity it is measured as the product of voltage and current, and the unit is Watts. So, for a normal power circuit rated at 20 amps which is supplied by 240 volts, the maximum power is $240 \times 20 = 4,800$ Watts (or 4.8 kW, where k indicates a multiplying factor of 1,000). (As a matter of interest, 1 horsepower – 550 foot-pounds per second – is equivalent to 746 watts.)

Resistance in a circuit is measured as Voltage / Current, so for the above example, the resistance is $240/20 = 12$, and the unit is Ohms, which has the Greek letter *omega* – Ω – as its symbol.

Test and Tag

For portable electrical devices, ninety percent of all electrically hazardous situations are obvious on visual inspection. Broken plugs or sockets; damaged or worn power cables; signs of overheating (scorch marks, burnt smell); and so on. It is the other 10% you cannot see which needs more careful attention.

This diagram shows the usual arrangement within an earthed portable device. From the 3-pin plug, all the conductors are firmly attached within the case, and the Earth (E) is bonded to the metal of the case. The Active (A) goes to the switch, and the Neutral (N) is connected directly to the Load (ie motor). With the switch in the OFF position, the conductor from the Neutral pin to the Load and from the Load to the other side of the switch will ALL be at Neutral Voltage (essentially zero). This is indicated in the diagram by standard colours: Active is Brown, Neutral is Blue. (NB The actual colours of the insulation on these wires may differ.)



In order to maintain safe working conditions the portable equipment that the Guild provides must be tested regularly for:

- continuity resistance; and
- insulation resistance.

Continuity

As we saw in the calculations above, with the standard supply of 240 volts and a maximum current of 20 amps, the corresponding load resistance is 12 ohms. Consider now a fault situation, where the ACTIVE conductor in the device becomes detached and shorts to the metal case, and so to the EARTH cable. IF the earth cable (perhaps in a very long extension lead) has a resistance of 12 ohms (or more), then as far

as the protective fuse/circuit breaker is concerned this is within the limits of a normal load – the current will not be above the rated 20 amps. With a live outer case, this is clearly unsatisfactory, and dangerous.

This situation is the basis for a limit being set to the ‘continuity resistance’ for flexible cables, or extension leads, which are used for portable power (or lighting) devices.

THE MAXIMUM RESISTANCE ALLOWED, IRRESPECTIVE OF LENGTH OF CABLE, IS 1 OHM. [AS/NZS (Standards Australia) 3760 (Year 2010) refers.]

In practice, the resistance values are usually much smaller than this. Standard domestic power conductor (wire), with a cross-section of 2.5 square millimetres, has a resistance of 0.0067 Ohms per metre. So an extension lead with this capacity would be 150 metres long before it breached the legal limit of 1 ohm. The 1 Ohm limit means that a short circuit current, carried by the Earth cable for the fault condition considered above, would be greater than 100 amps. The Neutral conductors and the Earth conductors are connected together at the switchboard under the MEN system (see Article 1) so the circuit is complete and the fuse/circuit breaker will operate in the live case scenario.

(NB: The same limit of 1 Ohm for continuity resistance applies to the Active and Neutral wires, as well as the Earth conductor discussed above. An unduly high resistance in the Active/Neutral supply conductors can lead to unexpected heating of the wires.)

Insulation

The insulation surrounding copper conductor wires acts as the primary safeguard for the user, and it depends for its efficiency on the very high electrical resistance of the material used. (Portable devices which are 'double-insulated' will be explained in a later article.)

THE MINIMUM RESISTANCE ALLOWED BETWEEN ANY OF THE CONDUCTORS IN A CABLE IS 1 MEGOHM. [AS 3760 refers.]

1 Megohm = 1 million ohms, so with 240 volt supply, any current flowing between wires would be 0.24 milliamps, which is much smaller than the 30+ milliamp operating out-of-balance current setting for Residual Current Devices (see article 2). In practice, the insulation values are normally much larger than 1 Megohm.

Testing

The labels you see on the leads of the Guild's equipment are an indication that the devices have passed the continuity and insulation resistance criteria.

Testing for Continuity can be done with a multimeter, which has a low resistance scale. Multimeters use 3V and 9V batteries for circuit resistance testing.

For the Insulation test, you need a special meter which provides a high voltage. For single-phase devices which use 240 Volts, the standard test voltage is 500 V (DC); and for three-phase devices using 415 V, the test voltage is 1,000 V (DC).

Regulation AS 3760 is aimed at protecting users of communal equipment. There is currently no obligation on private owners to Test and Tag if the equipment is for their sole (family) use. There are, however, two situations that you should consider:

1) If you lend out your equipment, you have a ‘duty of care’, as lawyers put it, to ensure that it is safe. It is assumed that you are aware of the potential hazards. This will also apply if the use of the equipment requires special knowledge, or training. If you hire out your gear, then you can expect that the onus on you will be greater.

2) In the purchase or sale of equipment, advertising an ‘as is’ proviso will not get you far in any legal proceeding. If you are selling, I suggest you have the gear tested. The normal commercial rate (I understand) is of the order of \$5 per unit. If you are buying, you should either insist on the unit being tested, or delay payment until you have had it tested. Apparently the donation of electrical goods to charity organisations has largely dried up, as they do not want the expense of testing, or the possible legal problems arising from faulty gear.

Next article: **Polarity, Another Hidden Problem.**

John Armstrong 0413 021 669 j_s_armstrong@hotmail.com

29TH ANNUAL EXHIBITION – UNDER THREAT!

The Woodcraft Guild has a proud history of exhibiting the work of its members every year. The Guild started life as a woodcraft ‘group’ associated with the ACT Craft Council. Even before the Guild was created, that group mounted its first exhibition in 1983, and continued the event each year thereafter. When the Guild was formed in 1986, it continued the tradition, numbering from the very first exhibition. We have not missed presenting an exhibition for the past 28 years, and that is quite an achievement. This year, we plan to mount the 29th Annual Exhibition from 2~4 September as part of the Timber and Working with Wood Show.

There is a cloud over the event this year, however, and we are at something of a crisis point. **We do not have an operational committee to oversee the exhibition, and if one cannot be formed very soon, then the event could be at risk of cancellation.** This would be a tragedy for the Guild!

The Exhibition serves many purposes, but primarily it enables members to submit work and have it judged by professionals and/or experienced peers. It is only by submitting work for evaluation and critical comment that craftsmen and women can appreciate how their work compares with their peers; and importantly, how they may improve, develop new skills, and try different designs. Winning prizes may be important, but should be considered secondary to the critical evaluation of items that you create specifically for such assessment. Speaking to members of the public, and other members, about the work on show is also an important aspect of an exhibition.

We need a few committed members to take on the job of forming a small committee to run the exhibition this year. Do not feel that you will be left on your own to do this job – there are a number of members who have served on the Exhibition Committee for a number of years previously, and they will be available to guide and assist. We need new blood, however, new ideas, and a new commitment to this cause. Please give some thought to what the Guild has done to improve your woodcraft, and see if you can put something back into the club by volunteering to assist with the Exhibition. Dan Steiner or I would be happy to discuss the sort of work the committee is required to undertake so that the Exhibition runs smoothly for the three days of the event.

Robin Cromer 6286 8568 robinandjill@bigblue.net.au

SPECIAL INTEREST GROUP (SIG) REPORTS

(SIG Coordinators: please note the deadline for newsletter input: 2nd Friday of each month.)

SIG MEETINGS

For details of normal SIG meetings, please refer to the Calendar on the Guild website at <http://www.woodcraftguild.org.au/calendar.htm>

SIG COORDINATORS' NOTES

Pyrography SIG: I am pleased to say that the March meeting went very well, without us even noticing the turners' workshop. I thank all those involved for helping make the day run smoothly, and for allowing us Pyrographers our space. More fantastic pyrography pieces are evolving, and I am collecting more and more images for people to try. Unfortunately, the 08 May meeting lands on Mothers Day, but I suspect, if there is enough interest, the SIG will still run. The accreditation test for Pyrography is coming along nicely and will be run at one of the future meetings after the Folk Festival. If anyone is interested in demonstrating Pyrography at the Folk Festival, by the way, please let me know, so I can make our very small list of demonstrators a little bigger.

Vivien Laycock 0438 877 711 viv_bungendoreart@bigpond.com

Miscellaneous Items of Interest

MAKING “MAGICAL” WANDS

At their March meeting, the Miniature & Mandrel (Pen) SIG launched a project to make *'The Woodcraft Wizard's Magical Wands'* for the Guild's Toys for Christmas project.



The aim is to make as many wands as possible to contribute to the toys produced by the Toy SIG for distribution to charities. In 2010, over 1300 toys were produced by the combined efforts of the Guild, the Triton Club and the Dickson Men's Shed.

This is an opportunity for all the Guild's turners to contribute to this worthy project, through the production of a simple toy which can be made in less than 15 minutes. The Pen SIG has undertaken to finish the wands in food-grade Grape Seed Oil, and to mount them onto a colourful printed instruction sheet (see above), which includes suggested “spells” on the reverse. This transforms a turned stick into a toy – the only thing required to make it truly magical is a dose of childhood imagination.

Pre-cut timber blanks, instruction sheets, and lengths of fine wire for adding burnt decorative rings, are available at the Shed, or by contacting me. Each turner in the Guild only needs to turn a few wands for us to potentially produce around 200 toys, so – *“Abracadabra - Izzy Wizzy, Lets Get Busy!”*

Art Pollard 6288 6602 artpolrd@tpg.com.au

WAGGA TURN-ABOUT

In early March six members of the Guild headed south to the Wagga Turn-About to enjoy a weekend of woodturning. We stayed at the Borambola Sport and Recreation centre, which provided nice clean accommodation, and plentiful food and drink to keep us going throughout our stay. Friday was a beautiful clear autumn day as we headed south, and Peter Bloomfield and I decided to enjoy a counter meal at the pub in Gundagai on the way down, as we could not gain access to the hall until early Friday afternoon.

Once in, we set up in the main hall. For people like me, who didn't bring a lathe, the local Wagga turners provided a Jet lathe for the duration. The hall was a sea of yellow Woodfast M305 lathes, mounted on Gorilla ladders folded to provide a platform. Upon enquiry, I found most were variable speed, and chosen due to the 30mm by 3.5 spindle thread (no need for different adaptors). Within an hour of entering the hall, most people were set up and the shavings were flying!



Apart from being left to “do your own thing”, various communal activities were held. For a \$10 donation, contestants were given a roughly 5” (130mm) square by 2” (50mm) thick piece of ironbark to turn whatever they liked from it, and be judged. A raffle was held to win lots of woodworking equipment, donated by Carroll’s Woodcraft Supplies from Victoria. Jim Carroll was also on site with his mobile shop in case you needed something. Roger Gregerson got lucky with the raffle (though it tends to turn out that way if you buy half the tickets, Roger!!!) Turners were asked to donate an article for a silent auction, again to raise money for a local charity. I managed to bid for Roger’s salt and pepper shakers for \$10, so I did very well. Peter “Pyro” Bloomfield donated a lovely bowl that combined his two passions of pyrography and turning. The quality of turnings offered was outstanding, and fetched good prices.

As a beginning woodturner, I found the weekend invaluable. In particular, for chatting to professional turners and getting them to explain the differing grinds on their chisels, and how they use them to perform certain tasks. They regularly walked around the hall offering advice and sharing their knowledge. The atmosphere was relaxed, and three days spent turning improved my skills. I would recommend this trip to any turner looking for a weekend of fun learning. The value for money was incredible, with all meals, accommodation and, in my case a lathe, supplied. I have only two pieces of advice for you, if you are considering coming next year: one is to bring a light for your lathe, as the hall was quite dark, particularly during the evening sessions; and second, to bring your drinks with you as Wagga is a fair distance away! Overall, a great weekend away that was enjoyed by all Guild members attending.

Chris Rumley

HELP WANTED

I am helping the widow of a one-time member mothball his workshop machines. There is a DURDEN combination saw/jointer which, when switched on, operates both the saw and the jointer at the same time. This is obviously dangerous for anyone attempting to use the saw without realizing what is going on. I believe there is nothing mechanically wrong, but the knobs and levers, and their correct operation, are unfamiliar to me. Is there any member with helpful advice?

Alan Casimir 6258 2310.

FOR SALE

ROBLAND K26 COMBINATION MACHINE

5 Machines in one: 10" table saw with sliding table; spindle moulder; 10" planer thicknesser; horizontal mortise; plus many accessories. NB: 3 Phase power required. Excellent condition and in full working order. Would suit any level of woodworker. **Price: \$2,100 (ono).** Available for inspection in Canberra; call **Graham Reilly on 0418 978 110.**"



SPRAY GUN. Unused high-volume, low-pressure spray gun; made in Germany; gravity feed reservoir; 3.0mm nozzle. With cleaning brushes. All brand new. Cost \$140, will sell for **\$40.** Call **Bevin Pettitt on 0408 498 872**

COMPOUND MITRE SAW: (safety guard missing, but otherwise in good order) \$25. Call **Keith Houston on 6247 0013**

'WORKBENCH': There is an old 3' x 5'6" government desk, with 3 drawers, looking for a home, currently parked at the back of the Shed. It has extensions to the legs which makes it once again a good work bench (for which it has seen faithful service for some 30 years!). Free to a good home, but a small donation to the Guild always comes in handy!

BANDSAW BLADES



As advertised previously, we still have a number of bandsaw blades for sale to members. These still have good life left in them after some re-sharpening. They are mostly wide blades for a 21" bandsaw (see photo), and we would be prepared to accept offers starting around \$5 per blade.

See Robin Cromer, or Terry O'Loughlin, during Tuesday / Thursday sessions, or contact Robin on 6286 8568, or at robinandjill@bigblue.net.au

GUILD TIMBER SUPPLIES

We still have some boards of Myrtle Beech (*Nothofagus cunninghamii*) available that would be suitable for box-makers. We have also begun processing some of the River Sheoak (*Casuarina cunninghamiana*), that was cut from the Federal Golf Club about two years ago. It is mainly lighter-coloured sapwood, but also has some deep red colours – a small amount will be available for sale at the next meeting.

Robin Cromer 6286 8568 robinandjill@bigblue.net.au

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NB: 10% discount to Guild members on Howard products



GUILD MEMBERSHIP

Please see the Guild website at <http://www.woodcraftguild.org.au/membership.htm> for detailed information about Guild membership, or contact the Membership Secretary, Mike Nash, on 6262 5096, or by email at mike.carol.nash@bigpond.com

ABOUT THE NEWSLETTER

Members' Articles: Articles from members are very welcome, **providing copyright rules are followed and sources acknowledged.** Preferred format is in Times New Roman 12pt font, in an MS Word document, attached to an email. Articles will be published when space is available, and entirely at the discretion of the Editor, who may make editorial changes where necessary (especially if you can't spell). **NB:** If you are illustrating your article with images, please send them separately as JPEG files, so they can be adjusted to fit.

Deadline: 2nd Friday of the month (except December, when no issue is published).

Member's Free Advertisements: One free advertisement of 3 lines per edition.

Other Advertising: Queries regarding rates should be addressed to the Treasurer. Payment is by donation to the Woodcraft Guild ACT Inc, PO Box 1411, WODEN ACT 2606.

Editor