



PRESIDENT'S REPORT

This Management Committee started its term in 2018 with the vision of making the club a safer and cleaner place, and one that is responsive to the concerns of club members. We hoped to achieve this through increased training and safety procedures, consultation and communication with club members and office bearers.

Training

The club has made considerable progress in training, with well attended classes being run regularly and substantial improvement in members' skills. Regular accreditation courses have been put in place, but we feel that still more needs to be done for beginners to have ready access to guidance. The beginners' courses, conducted by Greg McCosker, were very well attended and beginners gained considerable knowledge and understanding of the club's facilities, machinery, safety procedures and opportunities for skill advancement and accreditation. I must mention here that Greg has done a tremendous amount of work for the club, and his knowledge and organisational skills in many diverse areas have been a huge asset to both the Committee and the club. We now have printed instructions and handouts for all the major pieces of equipment to help new members gain accreditation and for all to consolidate necessary skills to operate these machines safely.

Timely defibrillator demonstrations have been conducted and our safety officers have been most proactive in highlighting problems, providing suggestions and safety guides through the newsletters and meetings with the Management Committee.

A course feedback form has been implemented and has provided a helpful guide for improving courses.

The courses are also starting to show a financial return for the club, which is helping to purchase new specialised equipment for the courses. We had hoped to have more specialised training in sharpening of turning tools and perhaps this can occur in the following months. Two turning courses by Pat Johnson, one for beginners and one for intermediate/advanced students, are booked for 4 days from 2 September to develop more turners in the club.

Events

This year the Management Committee has tried to refine the organisation of our yearly events. Rick, Sarah and helpers came up with some organised, colourful and appealing displays for the Santa Shop.

The Maleny Wood Expo proved to be another successful event for the Club. This year we had a larger sales area in the SES shed and enhancements were made to our display with the purchase of new LED lighting. The setup in the pavilion was changed and it is hoped that improvements will be ongoing with knowledge gained through experience and support of Barung Landcare. The club members are to be congratulated, as the quality of our sales and display items is continually progressing.

The kids' workshop was well attended, with our volunteers run off their feet. We may need to be more organised with the rosters and we certainly need more volunteers as those there were vastly overworked.

This year Redland Bay Club was invited to be part of the kids' workshop and their contribution was well received. Barung Landcare group has many ideas to improve this event so our club will need to plan early as the event is growing year by year.

The Club Expo was again affected by rain and windy weather. Sales, however, were reasonable. The club competition continues to progress in numbers of entries and the quality. The display setup was enhanced with the black table covers and different arrangements of tables. If this venue is be used again, we will probably need to advertise more effectively, as people were still having trouble finding us.

The Xmas breakup was lunch at the Orangery, and this change seemed welcome as many members expressed support, so we have booked the venue again this year.

The raffles provided good returns this year. It was decided to have more smaller-sized prizes, as they are easier for visitors to transport home. The \$250 Carbatec voucher was also a popular innovation, as it provided a useful and appealing prize for members. We still have another Carbatec voucher to raffle shortly. Carbatec have been most supportive of the club this year with their vouchers and their demonstrations, for which we thank them.

The Management Committee thank all those wonderful volunteers who put in so much time and effort to make these events so successful.

Shed safety

Shed safety has been a major focus for the Management Committee and Shed Captains. We now have more room around the equipment, making it much safer for the users. The shed is also much cleaner and we thank all members for their efforts in improving safety and keeping the shed clean and tidy for the benefit of all.

We are especially grateful to Terry and Michael, our Shed Managers, and their many helpers, especially Kev Devlin and John Isles, for their dedication and the amount of time they have given to the club to make improvements.

We appreciate also the work of Don Lear in the role of secretary this year and for his valuable input into discussions at the Management Committee meetings.

Finances

This year saw an improvement of the club's finances. I would like to thank Catriona and Dave for their work as Treasurer this year, as they put in many long hours, mastering the MYOB accounting system. We recently introduced a new fee structure, hoping this will make a fairer system for all members and easier for the Shed Captains to manage.

Management Committee insurance and insurance to cover members to and from the club and while at the club were organised. The building and contents insurance was also updated and we thank Greg McCosker for his expertise and all the work he has put into the introduction of this essential insurance coverage.

This has been a very busy, successful, and, at times, difficult year for this Committee. I believe strongly in consultation, communication, open discussion and decision making based on consensus. Informal continual discussions with club members, and frequent general meetings, where varying views have been expressed, have been the basis of the information and discussion within the Management Committee meetings, where decisions have finally been reached for the well being, safety and progress of club members and the club.

I thank the members of this committee, Greg, Don, Dave, Terry and Michael for their support and the dedication given to the club. I also appreciate the ongoing support of all club members whose work and good will continue to make this club a workable and worthwhile one. While I cannot name here today all the individuals who have made beneficial contributions, please accept that we do value your efforts and sincerely thank you.

Rob Otto
President.



Maintenance Report *by Terry O'Connor*

Given Terry has been absent from the shed for some six weeks due to a persistent bug, he has not been able to do his final report. Fortunately not been much of note has occurred in that time, with the level of maintenance required to equipment having declined substantially.

Although, I cannot move on until I congratulate the member who has super human strength who managed to tighten the fence on the rail of the Hammer bandsaw so tightly that the 8mm alloy frame with ribbed reinforcement distorted in a bow and fractured at the ribs. However, all is not lost; Australia is looking for weight lifters for the Olympics in Japan this time next year, but please, no more exercising on the equipment. Our wonderful 86 year old benefactor Milos Frohlich did a beautiful job cutting out the damaged section and re-building it, such that it is now much stronger than originally, BUT THAT IS NOT A CHALLENGE !!! Milos also made completely new roller bearing guides for the Laguna bandsaw which substantially improved its performance. A big thank you to Milos, who flatly refused any payment, even for materials. The world is still a good place. Life isn't tied with a bow but it's still a gift.

So, please continue to use the machinery with respect, and keep it clean. The number of compliments on the state of the shed since the re-arrangement of equipment, and in particular how clean it is, is just reward for the enormous effort Terry and Micheal and their many helpers have put in this last year. Congratulations.

Safety Notes *by Trevor Jorgensen Rick Vickers*

With Rick lazing in the jungles of South America watching 18 replays of Latin American soccer games a day, and Trevor on sabbatical looking after his wife, again I do not have a safety report for you this month (I hope there is not a pattern emerging here).

I can however tell you that in the time they have been missing, everyone has gone home from the club with all digits, and that is great news, so we must be doing something right.

We welcome Russ Middlecoat as Safety Officer for the coming year, and you can rest assured the focus will remain very strongly on preserving your well being when at the club, so please give Russ all the support he needs.

One safety tip I would like to reinforce relates to use of the fence when using the table or panel saw, which is in the manual, but it is worthy of reiteration as I have observed instances where it has not been followed.

When cutting a rectangular piece, say 600mm long x 300mm wide, the distance from the blade to the fence cannot exceed the dimension against the fence. That is, you should not cut the piece down from 600mm in length to say 500mm, using the fence to determine the length, as the dimension against the fence is 300mm, and the distance to the blade for the cut will be 500mm.

The torque of the motor applied to the blade will well exceed what you can apply to the stock, and if you get the stock slightly off square, the blade can cause the piece to start to rotate, climb on to the blade, and the piece will be kicked back at you with considerable force. Even worse, if you try to hold on to the piece, you run the risk that your hand will also be drawn over the rotating blade.

Timber Tales by Bruce Chapman

Now, what was that I was saying about a pattern ? Where has Bruce been ? In the caravan of course. We are encouraging him to park the caravan at the shed for a while, which he is resisting, on the basis that you are not buying enough timber and there is so much in reserve that he has not been able to move the last load from the kiln which is on the floor, to the sales racks, and the next load remains in the kiln.

Such are our fortunes with our timber stock that new President John has proposed we have a timber sale event, open to other clubs, and also to the public, so watch this space. In the meantime, do not be shy in grabbing some of the great timber in the racks (at your heavily discounted rates of course).

Club Events Calendar from Rick Vickers



We already know what Rick has been up to, and no doubt he would say nothing is happening which is why he did not give me a report, however, that would not be quite correct.

Next up are the turning courses on 2,3,4 & 5 September. The turners not participating might well guess there is little chance they will score a lathe for those four days, and they would be entirely correct.

I am trying to find time (which hopefully I will have in abundance now seeing that I got out early from all other duties for good behaviour) to conduct more Beginner courses. If you are interested, let me know and I will see what I can arrange.

Make sure you have a date claimer for the Christmas lunch at the Orangery Restaurant on Saturday 30 November, 2019.

Other than that, Rick may be right, except for the Christmas Expo, which is likely to be the first weekend in December, so watch this space.

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Tips and Tricks *from the Editor*



ELECTROLYSIS RUST REMOVAL by George Vondriska - Woodworkers Guild of America

I'm going to show you how to use electrolysis to remove rust from tools. Ever get to an auction or flea market and stare lovingly, but in despair, at a hand plane that you'd love to own, but are going to pass on because it's too rusty? There's a solution for this problem. Electrolysis. It's crazy cool, and easy to do. Here's the overview; submerge the tool in a solution of baking soda and water, connect a battery charger, and let it sit overnight. By the next day the rust will have sloughed off.

The beauty of using electrolysis for rust removal is that you're not abrading the tool and removing metal. It's better for the tool, especially if you're concerned about its value, if you don't hit it with sandpaper or a wire wheel. This, and the ease of doing it, makes electrolysis the perfect answer for restoring old tools.

Electrolysis provides a very easy way to get rust out of a tool's nooks and crannies.

I picked up the plane in this story cheap. You'll see it go through the rust removal process here.



Here's a Bailey #4 hand plane I picked up for \$25. Last patent date on the body is April 1910. It's sound, but has a lot of surface rust on it, and is unusable in its current condition. I'll remove all the parts from the body and use electrolysis to remove the rust.

What You Need:

Gather your electrolysis supplies together –

An electrolysis vat that is non-conductive. A plastic five-gallon bucket works well for most tools.

An anode (I'm using a coffee can)

Auto battery charger

Baking soda or washing powder

Measuring spoon

Scotch Brit pad and soft bristle brush

Wire leads and gloves.



Prep. Wash the tool you'll be treating. Make sure there isn't any oil or wax on it that will prevent the electrolysis process from working. Give it a good bath with soap and water.

Make an anode. You need some kind of sacrificial steel for this. It's best if the anode surrounds the tool so the electrolysis can happen from all sides. The anode will get eaten up by the electrolysis process, and will need to be replaced after being used a few times.





Connect a lead to the tool. You've got to have a good connection or the process won't work well. This can be challenging with a rusty tool. You may have to clean a small section of the tool with sandpaper to make certain you have contact.

Connect one of the wire leads to the anode. Make sure you have a good, solid connection and that the lead is long enough to connect to the battery charger outside of the bucket.



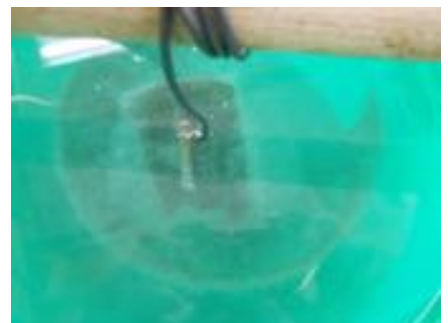
Make up the electrolyte solution. You need enough water to completely submerge the tool. Add one tablespoon of baking soda per gallon of water. Mix the solution to dissolve the powder.

Suspend the tool in the vat and check the set up. Try to arrange the anode so it surrounds the tool, but don't let the tool and anode touch each other.



Start Removing Rust. Connect the clips from the battery charger to the leads on the tool and anode. ***Make sure you get this right.*** With the charger unplugged connect the positive to the anode and the negative to the tool. If you do this backwards your tool will become the sacrificial anode. Set the charger on a 2-amp charge and plug it in. Don't let the connections from the charger touch the electrolyte solution.

Within minutes of plugging in the charger you should see bubbles rising from the tool. Allow the tool to "cook" for 15-20 hours.





Results. After some time the top of the vat will be covered with sludge. This is a good thing. The sludge is the rust coming off the tool.

Unplug and disconnect the charger and remove the tool from the solution. It won't look like much now. It'll need some cleaning.

Wearing rubber gloves, use a fine Scotch Brite pad to remove the sludge from the tool. It doesn't take much elbow grease, just some wiping.

Use a soft bristle brush to get into the spots you can't reach with the pad. Wipe the tool clean using a paper towel.

After the tool is clean and dry, coat it with paste wax so it doesn't start to rust again.



The result ? A tool that's clean of rust. If only I could make a vat large enough for my 1959 Farmall tractor to fit into...

The vat of electrolyte solution is pretty benign stuff, but will burn your lawn if you dump it all in one spot. It's best to dilute the liquid before disposing of it.

Thanks to George for the great tips. Make sure you connect the wires correctly or the lovely tool you were hoping to see will be a pile of metal at the bottom of the drum !

APHORIS "A SHORT, POINTED SENTENCE THAT EXPRESSES A WISE OR CLEVER OBSERVATION OR A GENERAL TRUTH."

1. Seat belts are not as confining as wheelchairs.
2. A good time to keep your mouth shut is when you're in deep water.
3. How come it takes so little time for a child who is afraid of the dark to become a teenager who wants to stay out all night?
4. Business conferences are important because they demonstrate how many people a company can operate without.



Around the Shed



As a result of a request at the Maleny Wood Expo, Kev Devlin and his team of assistants replicated a folding table purchased at a French winery, which has now been completed and delivered to the delight of the customer who was unable to find anything like it in Australia.

The club's coffers have been boosted by \$600.00; Kev has a beautiful set of plans of the design; the customer is thrilled; and skills were developed in building folding tables. Pretty satisfying outcome all round.



As always, John Muller has been busy. A customer asked for a frame to accommodate two very aged metal trays, and when there were no volunteers from the club, John did it himself. Got to keep the customers satisfied !



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Montville School very generously allows the Guild to use the school hall for our mid-year event, which is an excellent venue, and very cost effective if you know what I mean.

So when Principal Adam asks for a hand, of course we jump to it. This time, the school wanted two stands for three bins for the students to separate their green waste, re-cycling and land fill, which had to be suitable for outdoor use.

Hyne Timbers 80mm thick F3 beams, built for external use, were perfect when re-sawn. The school is going to paint the zones for the bins in different colours for the students to identify what goes in which bin. So a win-win all round, as Hynes beams have been re-cycled for a green purpose, educating our future generation with the essential skills of reducing landfill, at a very fair and reasonable cost to the school, if you get what I mean. Community at its best !



The next project which is just coming off the drawing board is the new shed for the millers, with the suggestion that it will be affectionally know as Millers Cave (which was so capably sung by Hank Snow and Charlie Pride for these up to date with modern music).

The first step is to remove the steel framed timber storage shed, then the tree stumps, and then lay the slab for the shed.

Opportunities may well present to assist with the project, and you will be kept informed.

Another step forward in our safety campaign, this time to provide the fantastic crew who turn up every week with better facilities to mill the timber we then sell to fund our activities.

John Muller delivered and installed the cabinet for Wish List, which was very well received. Thanks John.



Did you know ???

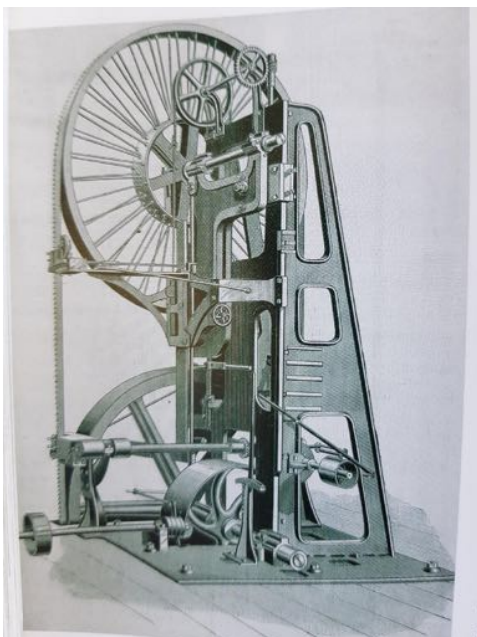
when the band saw was invented ? Greek legend suggests the first saw was made by Perdix the nephew of the inventor Daedalus. He was inspired to create a cutting tool on observing the ridges on a fish's backbone. However saws were probably in use well before this; the ancient Egyptians used serrated copper saw blades.

The band saw is limited by the need for people to power it. The circular saw, patented in the eighteenth century, helped alleviate that problem but also had its limitations, namely that it could cut no deeper than the radius of the disc. The band saw – a fast moving cutting strip mounted in a machine – potentially solved both problems and had many advantages over the hand saw and the circular saw.

William Newberry of London England was granted a patent for the first band saw in 1808. It was a strip of flexible steel welded together to form a circle or band. When rotated rapidly, this had a vigorous cutting action, and in principle, could make light work of slicing a tree into planks. The drawback of Newberry's invention was that, although technically sound, the metals from which saws were made at the time were not robust enough for the task. There were also problems with the join in the strip of metal, and it was not until some years later that the band saw began to look like a viable option.

In 1846, a French woman, Mademoiselle Crepin, patented a technique that allowed the two ends of the saw to be fixed together with a much stronger join, allowing practical band saws to be manufactured. Further developments in the quality of steel also helped and band saws became an essential tool.

THANKS FOR THE ARTICLE TAKEN FROM “1001 INVENTIONS THAT CHANGED THE WORLD.”



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