



Lake Macquarie Classic Boat Association inc.

The Adoration of Wooden Boats

September 2024

The classic [Smokey Cape](#) visited our Rathmines last month . so this month something different .

America's Cup racing started in the Mediterranean



No Wood , Not Classic . yet

It is a boat full of innovations see later ...

President _ Steve Price



Presidents report August 2024

Well the status quo has been upset with the removal of my 18 month build from WS1 last Thursday which opens up room for either both nesting dinghies or one nesting dinghy and the donated nutshell. We'll also see progress on Pauls TS16 in coming months.

Paul DaRoza from the YouTube channel "Sailing Kate Louise" was in attendance for the extraction of the Ptarmigan and visited WS2 for updates on projects there so keep an eye out for his video. He's bringing a lot of positive publicity our way!

WS2 projects are going full steam ahead with fit out stage fast approaching on the Guillemot and a generous donation of \$2000 towards the project. The kayak is looking more and more the goods, works are progressing on the other TS16 and I even heard an old outboard start up the other day. The Petit Breeze is slowly looking more like a boat as is the Teal.

Bill, Glenn and I travelled to Maitland on Friday to take delivery of a donated Currach, while it probably won't make a useful row boat it is a different classic boat style which will be interesting to restore and trot out for display on open days.

The committee decided to replace the old table saw in WS2 as it had become unreliable and the new one is up and running thanks to Chris Stewart.

Introducing our 2 new committee members.



Alan on the right often in WS2 on the Guilimot build .

Denny on the left with his Scottish accent is working in WS1 on the Southport nesting dingy.

Safety Issues

Our safety man Terry P returned and Left again but not before issuing the below operating procedure for Hand held Routers . Full copies on notice board

LMCBA

Router Hand Held /Trimmer

Safe operating procedure



Approved safety glasses must be worn at all times



A mask *should* be worn when excessive airborne dust is created.



Appropriate protective footwear



Protective clothing, overalls No loose clothing



Hearing protection *must* be worn when noise is excessive.

PRE-OPERATIONAL SAFETY CHECKS

- | | |
|--|---|
| <ol style="list-style-type: none">1. Ensure the power tool has a suitable safe work area.2. Check the router and bit for obvious signs of damage.3. Use 18 v Ryobi if possible | <ol style="list-style-type: none">4. Examine the power lead and plug for obvious damage if 240v5. Ensure the cord does not create a tripping hazard. |
|--|---|

OPERATIONAL SAFETY CHECKS

1. Check the work piece for faults and defects.
2. Fit the correct cutter bit to the machine. Ensure cutter bit conforms to machine specifications.
3. Make all adjustments for depth of cut BEFORE connecting to the power source or fitting battery.
4. Ensure your work piece is firmly secured and supported.
5. Keep fingers, hands and power cord clear of the bit.
6. **Always consider the direction of rotation. This will determine the direction the router is to travel.** When you're using a router, move it in the opposite direction of the bit's rotation.
7. Allow the router to reach operating speed, then apply load gradually. Maintain a constant pace to avoid uneven finishes.
8. Keep the sole plate pressed firmly on the work piece.
9. Maintain complete control. Always operate with both hands. Maintain a proper and steady footing at all times.
10. Make a series of shallow cuts when creating a deep recess. This is safer and easier on the tool bit.
11. Do not apply excessive force – this could cause the cutter bit to burn the work piece.
12. If any unforeseen problems arise while routing, stop immediately, switch off and get review
13. Turn off immediately after use. Do not place the router down until the cutter has stopped rotating.
14. Remove battery for recharging

Be extremely cautious of this high speed tool

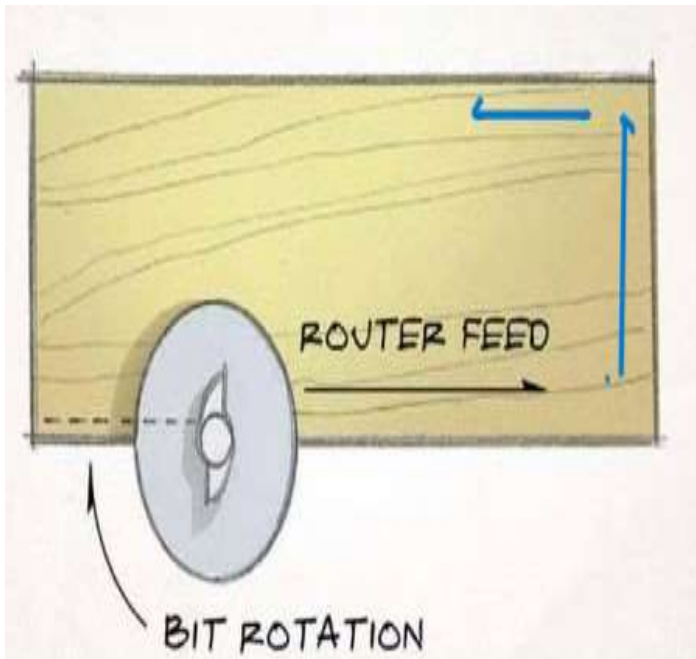
HOUSEKEEPING

1. Return this tool to the appropriate storage cupboard.
2. Leave the work area in a safe, clean and tidy condition.

POTENTIAL HAZARDS

- | | | |
|-------------------------|----------------|---------------|
| ■ Rotating sharp blades | ■ Kickbacks | ■ Electricity |
| ■ ejected waste | ■ Eye injuries | ■ Dust |

A simple explanation ?. Our trimmer /Ryobi 18 v battery rotates as is generally standard in a clockwise direction . Thus feed left to right and around as indicated. Lots of ¼ “ bits spread across the 2 sheds.



The trim/router can make a big difference to the finish appearance and especially a small round on the raw edge of plywood gives a more robust finish.

Photo shows our ryobi trimmer cutting the rebates on the nesting dinghy, with rotation shown on machine pointed to in blue , and feed direction per pencil arrow . **yes there is more for later discussion.**

Latest boat **A currach** is a type of Irish boat with a wooden frame, over which animal skins or hides were once stretched, though now canvas is more usual.

Its in the roof of WS1



Yes that's the concrete floor as only the Bow section has Canvas .

The long planks in the boat are in fact the 3 Oars needed .

Just need an Irishman silly enough to restore it ? Any Ideas

The Rowing group

The **LMCBA St Ayles Skiff Community** rowing group have a new trailer that will allow it to move to other locations to show or compete .

There are many St Ayles Skiffs being built now in Australia in WA and Vic and now in Queensland at **Tin Can Bay** As below. Maybe the time for one in Newcastle or a 2nd at LMCBA ..



Try rowing , Its great exercise ,very social and suited to ALL fitness levels. *(I started a few weeks ago as a back-up rower but really enjoy it and it is helping rehabilitate my shoulders torn rota-cuff/ muscles thus avoiding an operation. Edit. Graeme)*

Rathmines Ramp The ramp is used for breaking up derelict boats.

These 2 yachts ,about 38 ft, were dragged ashore and stripped last week .



One had sunk but the other was ok but the owner unknown so destroy . Some very good gear and sails etc. (But none suited to us)

Projects progress

Restoration started on the Petit Brise in WS 2 Chris and John at work



Guillimot

More progress on the Guillimot



Thanks to Tom Kershaw of Alkira Shipyard For his \$2000 Donation towards Guillemot

The Canoe build

And upstairs The Canoe is progressing With the deck detail wood work complete and the deck Fibreglassing well advanced



Steve's boat, a Ptarmigan 17



Out of shed 1 With major input from members to get it out as explained so well by Paul

on the video on



[Sailing Kate Louise](#)

See <https://youtu.be/E46AtR7XAuE> or

[How a Ptarmigan is bornnot the bird, the boatout of the shed 2 \(youtube.com\)](#)

Stevens high Quality finish is impressive

Southport Nesting Dinghy



This innovative new build has started . As we are building 2 at the same time there are lots of interesting jobs and learning

Lot of new work , Router trimming and rebating ,and sanding and gluing etc ,and especially Wiring at moment

Moxon Vices some still available



And a Nutshell restoration in WS1

This is a very pretty little boat with tan sails and the works.. Wals Baby



William the Forth

William the Fourth is a replica of AUSTRALIA'S FIRST ocean-going paddlewheel steam ship. It was launched in 1987 in the hunter and has recently been restored and returned to commercial operation. However, with major maintenance required after 36 years, work is underway refurbishing and updating with major work on the redecking.

LMCBA inc has close ties with William the forth with a number of members (VP jeff) also working on the ship and lmcba is well on the way to building a Ships Boat for them (Guillemot in ws2)



Some bad to start but now well on the way with new deck support .

Now Fibre glassed ready for new deck planking .



America's Cup and the AC 75

Its on now

27 August to 27 October at Barcelona ,Spain

Boats used are the Foiling 75 ft long AC75

The AC 75 class rules 1st released in 2018 and used in the 2021 America's Cup races are Match races ie 2 boats at a time race against each other . This makes tactics as important as outright speed . So manoeuvrability is important in design .

1. Americas cup is the oldest trophy in international sport.
2. Named after the 100ft yacht America that won a race around Isle of Wight .
3. Australia II (63ft) won the cup in 1983 after 132 yrs with the usa
4. All these yachts had design innovations within the rules. eg Wing Keels.



The Schooner *America* winning the original race ..

The AC 75's are the most sophisticated yachts yet ; using advanced engineering and sophisticated materials (Titanium, Carbon fibre) and complex electronics .

Boats have some parts that have to be standard eg the foil arms, mast etc but foil design, sail adjustment winch power systems etc are all specific to each yacht

. The rules for those interested are in the following web site ..

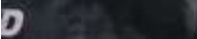
Hull design is generally similar but with variations that come from extensive research . eg the British boat is designed in collaboration with the *Mercedes Formula 1 car design group*.

Some items of design consideration .

1. Main Sails are 2 sided and come out from each side of the standard D section mast .
2. Foils fit within a general pattern but are very different with flaps like a plane wing giving lift in the water, but very heavy as they provide ballast w.hen lifted to windward
3. Changing coarse requires these heavy wings to be lifted on the windward side as the new leeward wing is lowered .
4. Sail / Wing control requires continual adjustment and this requires precision hydraulics that are powered by 4 crew pumping like mad on cyclons that charge batteries that power pumps. Ben Day an Aussie and a Prof. Cyclist with 12 years experience is on the American boats cyclon team . leg Muscles provide much more power than arms .



This is the standard system for all boats to provide lifting power for foil arms

5. 
6. Sailing is by the other 4 crew who adjust the sail and the foils and steer the boat . ie 4 world class Sailers and 4 Grunts .
7. a Helmsman and trimmer on each side and 2 Cyclors on each side
8. Racing consists of a round robin series and then an elimination series to pick the boat to race in the America's Cup against the present holder New Zealand.
9. 3 Local sailers are helming due to being duel citizens . Nathan Outteridge from Wangi is on the NZ boat , Jimmy Spithill on Italian Boat , and Tom Slingsby on USA American Magic.
10. **The teams participating** in the Louis Vuitton 37th America's Cup 2024 include:

11. the Defender, Emirates Team New Zealand;
12. the Challenger of Record, INEOS Britannia;
13. and the Challengers, Alinghi Red Bull Racing Swiss, NYYC American Magic, Luna Rossa Prada Pirelli Italy and Orient Express Racing Team France.

But many are cynical about these boats.

Is it Sailing or Flying ? The aerodynamics are based on the latest Formula 1 car designs.

Comment below was recently in a usa publication .

The America's Cup, for generations the pinnacle of yacht racing, has become a contest of such extreme technology that its connection with mainstream sailing is tenuous. The 'boats' have just eight crew, four of them 'cyclers' who are there solely to generate electrical and hydraulic power through bicycle effort.

The support staff for each team in Barcelona exceeds 100 specialists. There has been additional expertise contributed by the Mercedes and Red Bull Formula 1 designers and engineers. The costs of a campaign are so astronomical they can only be met by major corporate consortia. Sir Thomas Lipton and Harold Vanderbilt, despite their enormous personal wealth, would be out of the game today. To be competitive, each America's Cup challenge or defence now consumes around \$200 million. Hundreds of sensors and cameras aboard the AC75 boats feed real-time information to computers which then respond with instant automated trim and rig adjustments. Even the mainsheet traveller is 'hands off', inching back and forth remotely. The boats have up to 120,000 distinct parts. How can a kid starting to sail in their Opti or teenagers graduating to skiffs relate to that? At least billy carts and F1 cars both have a wheel at each corner.

"(AHHH!! We now build with Ply and epoxy and 18v tools , our boats have GPS, auto pilots and self inflating lifejackets. In the 50,s we were impressed with boat two-way radios, even if the valves burnt out, now the radio talks to other radios and gives warning of possible collision and pending storms and etc. all progress that we now enjoy. So AC 75,s: guess things will flow ?? Ed)