

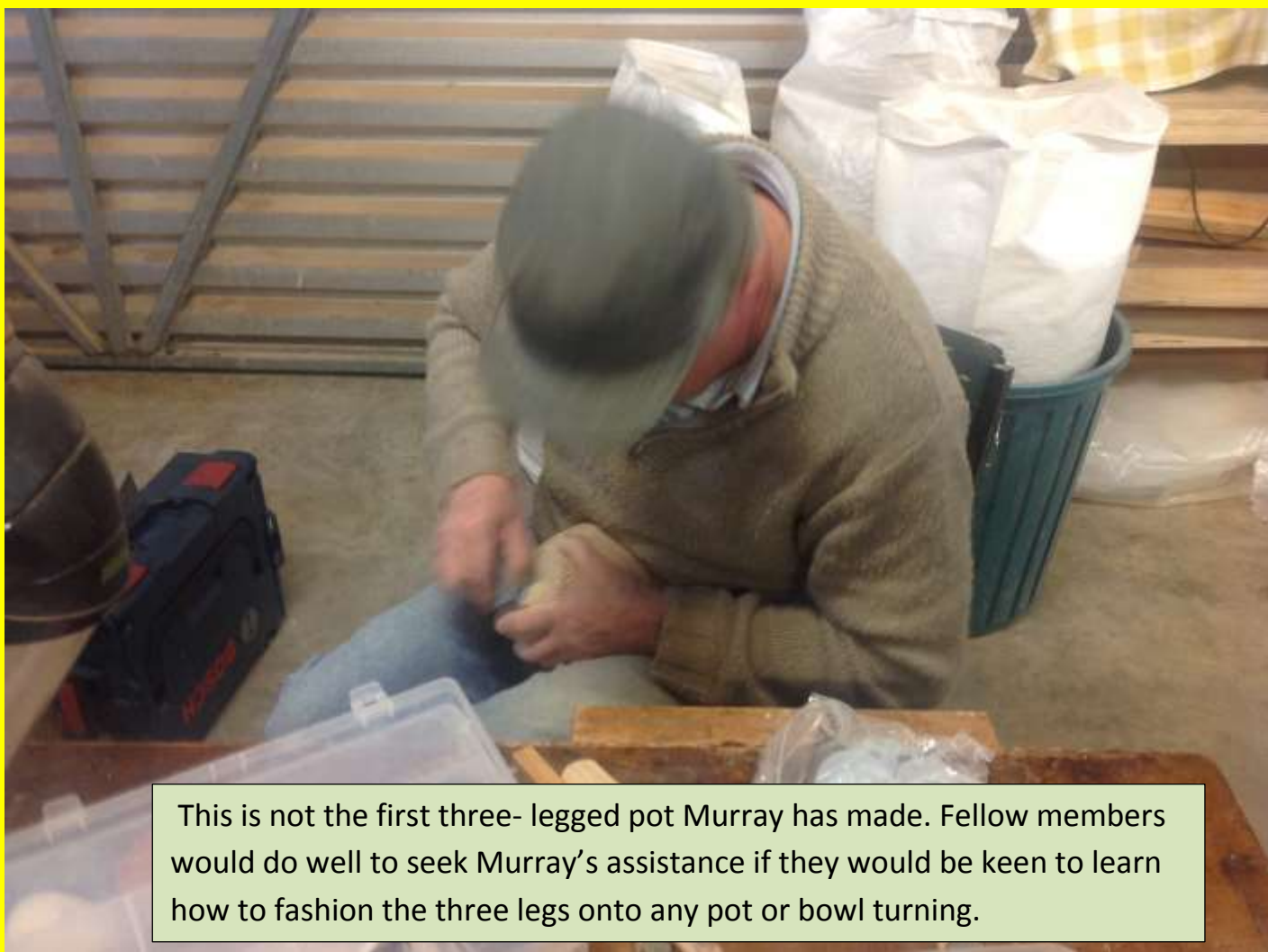
**Hamilton
Woodturners
Club**
www.hwoodturners.org

www.timberlywoodturning.co.nz
TERRY SCOTT
NZ Agent for
BURNMASTER®
Also
Woodcat
See website for more
Contact: timberly@stra.co.nz for an info sheet or ph: (09) 297 7051
Remember, if I cannot break it, no-one can!

Issue No 17- Friday 25th May

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Clive Wilson
(Tutor)
2018

THIS WEEK'S TOP PICTURE SHOT



This is not the first three- legged pot Murray has made. Fellow members would do well to seek Murray's assistance if they would be keen to learn how to fashion the three legs onto any pot or bowl turning.

Members were emailed this message last week with the TT notice that included an article about Danish Oil.

"There's a **block of great turning wood** for the best explanation about these "Danish" Oil questions given by a member no later than Thursday evening of next week? "



And the winners were.....(drum roll)

**HEATHER PENDERGRAST
and
CAELAN HARRIS**

(A block of great turning wood for each of you next week)

This week's useful video clip



Have a go!
Enhance your turning projects with texturing the wood.
ROBERT SORBY SPIRALING/TEXTURING SYSTEM
6-piece set.



Go to ...

woodturnerscatalog.com

Click on.. **Finishing**

then **Decorative materials**

then.... **Texturing tools**

then... **Texturing system**
6-piece set

Watch Video

I have one of these sets. If you would like to have a go with this interesting piece of special equipment, then let me know.

Try before you buy.
Cheers
Clive



This article appeared in the TT many moons ago and is repeated for the club's new members.

TUNG OIL - a drying oil

Tung oil comes from the seeds of several species of **Aleurites**, primarily **Aleurites fordii**, a deciduous shade tree native to China.

For centuries tung oil has been used for paints and waterproof coatings, and as a component of caulk and mortar. It is an ingredient in "India ink" and is commonly used for a lustrous finish on wood. In fact, the "teak oil" sold for fine furniture is usually refined tung oil. **Some woodworkers consider tung oil to be one of the best natural finishes for wood.**

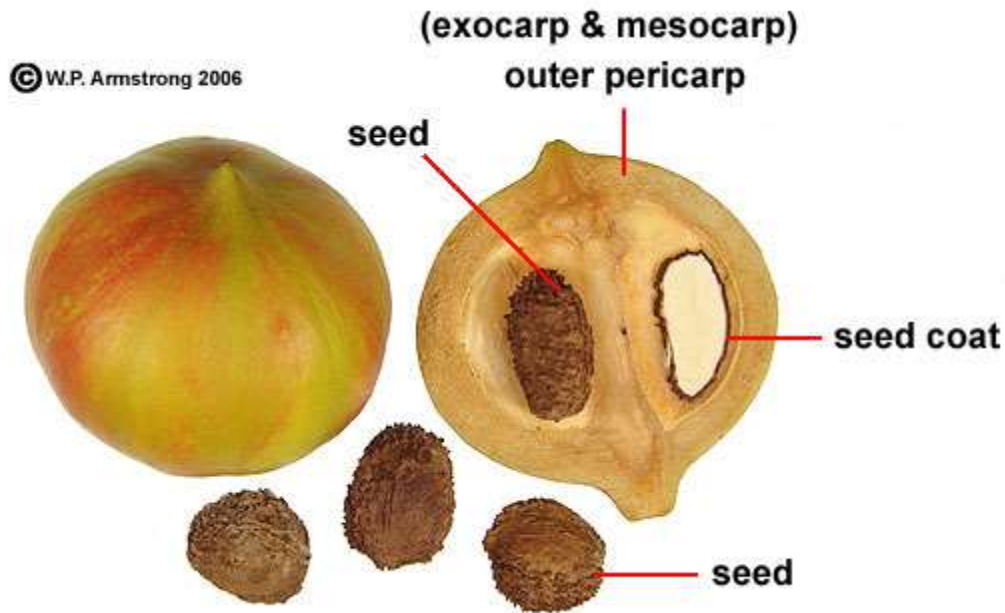


*Tung oil tree (**Aleurites fordii**) showing two male flowers and one female flower (left) in which the petals have fallen off exposing the pistil.*

Other unsaturated plant oils, such as **castor oil and linseed oil**, take longer to dry and leave an oily residue until they soak into the wood surface. **Tung** oil 's ability to dry quickly and polymerize into a tough, glossy, waterproof coating has made it especially valuable in paints, varnishes, linoleum, oilcloth and printing inks.

Fruit and seeds of the tung oil tree (**Aleurites fordii**). The **oil-rich seeds are the source of tung oil** used on fine furniture.

(See picture top of next page)



As a drying oil, **tung** oil hardens (dries) upon exposure to oxygen in the air. The resulting coating is transparent and **plastic**-like.

Related drying oils include **linseed**, **safflower**, **poppy**, and **soybean**.

The oil and its use are believed to have originated in ancient China and appear in the writings of **Confucius** from about 400 B.C. Raw Tung oil tends to dry to a fine wrinkled finish; the US name for this is gas checking: this property was used to make wrinkle finishes, usually by adding excess cobalt drier. To stop this, the oil is heated to gas-proof it, and most oils used for coating are gas-proofed.

The name is often used by paint and varnish manufacturers as a generic name for any wood finishing product that contains the real tung oil and/or provides a finish that resembles that obtained with it.

History

- The tung oil tree originates in southern China and was cultivated there for tung oil, but the date of cultivation remains unknown.
- During the Song Dynasty, tung oil was used for **waterproofing** on ships.
- Tung oil is etymologically derived from the Chinese *tongyou*.

When applied in many fine coats over wood, **tung oil** slowly cures to a satin "wetted wood" look with slight golden tint. The oil is often diluted with hydrocarbon thinner so that the **viscosity** is very low and enables the oil to penetrate the finest grain woods.

One commercial grade is known as Danish oil. Tung oil resists liquid water better than any other pure oil finish, though it still provides little protection against water vapour exchange or scratches. **Tung** oil does not darken noticeably with age and is claimed to be less susceptible to mould than **linseed oil**.

Heating tung oil to about 500 °F (260 °C) in an oxygen-free environment will substantially increase the viscosity and film-forming quality of the product. Most polymerized tung oils are sold mixed with mineral spirits to make them easier to work with and D-limonene are less toxic alternatives for the mineral spirits.



Harvest Time
A Paraguayan farmer checks his tung oil crop.

Paraguay is second to only China in worldwide tung oil production



Big Business – China is by far the world’s largest tung oil producer, providing 83 percent of the world’s supply.

BLO

Has added metal compounds
 Dries faster
 (because of added compounds)
 Will yellow with age
 Can go rancid
 Can mildew
 Nope
 Nope
 Cheaper

Pure tung oil

Pure
 Dries more slowly
 Doesn’t yellow
 Nope
 Nope
 Has waterproofing qualities
 Retains some flexibility
 when hardened
 More expensive

Question

After studying this table of facts which oil would you choose for general use in your workshop?

BLO = Boiled Linseed Oil

NEXT WEEK’S TT: An article about “Comparing LINSEED and TUNG OIL”



Notice to all
CUBE
CHALLENGE
participants.

Next week
you will need
to display
your cube
creations.

OK we are in the home straight and next week it's "hand it in" time. The front table and maybe some extra shelving should accommodate all the little treasures.

On arrival at your session next week place your CUBE CREATION on the front table.

Don't forget to name your contribution.

NOTE: Next week all creations need to be handed in. Please ensure you have named your work. If your "cube outcome" involves several pieces please put them into a small box to avoid getting mixed up with work from other members.

Two Top Turnings for this week



COLIN

McKENZIE's liquid amber wood bowl has been filled with a variety of fruit.

No, that piece of citrus isn't an orange picked off a tree - it really is turned wood then expertly coloured.

A top job here.

Goodonya Colin.

AARON PETERS

experimented with resin to enhance his walnut wood platter and made a mighty fine job of it too!

A special feature of the resin is that it is visible both front and rear.

Goodonya Aaron.





Here's another of **COLIN's** creations using yellowheart wood with a lacquer finish.

Colin is soon to join a group of world wood turners on a Norwegian cruise ship fitted out with a woodturning workshop. Bon Voyage and show 'em how Colin!



STEPHEN O'CONNOR is another of our turners who happily employs the "**Have-a-go**" approach. From a small block of macro he has fashioned a tea-light candle holder. (Romantic candle-light dinners now a possibility)



FOR SALE. Looking for a bargain? Unhandled tools - see Gideon

The Friday Flashback - April 2010



Swamp Kauri stump-wood bowl made in April 2010 and sold for \$550.00 to a German tourist. This proceeds from this sale and several others like it supported the purchase of an additional lathe (DVR) and a full set of bowl gouges.

OK that's it for this week.

It's our CUBE display next week. Is your contribution ready?

Prediction for Saturday night's game: CHIEFS 27 WARATAHS 17