



# FRONT RANGE WOODTURNERS

November, 2008, Volume 8 - Number 10

## Inside this Issue

<b>Upcoming Events</b> .....	1
<b>News</b> .....	1
<i>Note from Andy Zartman, Our Prez</i> .....	1
<i>Lacer's Last Stand</i> .....	1
<i>Group Purchases and Individual Catalog Orders</i> .....	1
<i>Rocky Mountain Turning Symposium</i> .....	2
<i>Club Library</i> .....	2
<i>Ongoing Content</i> .....	2
<i>Upcoming Symposiums</i> .....	2
<i>Featured Providers</i> .....	2
<b>Show and Tell</b> .....	2
<b>Demonstration</b> .....	4
<b>Rockler</b> .....	5
<b>Web Stuff</b> .....	5
<b>Classifieds</b> .....	5
<b>Club Information</b> .....	5
<i>General Meeting Information</i> ..	5

## Upcoming Events

**Important Note:** Even though a turning challenge is announced for a meeting, this does not mean that other items can't be brought for the show & tell. Feel free to bring in what you've created and don't feel you have to be a master turner to show off your work. Everyone has start as a novice.

October – Tuesday, October 7. Rick Orr will be demonstrating Stacked Ring Bowls. Turning challenge: Decorative carving on a turned form, since I don't think many people have a rose engine. ;o)

November – Tuesday, November 4. Demonstrator to be announced.

December – Tuesday, December 2. FRW Holiday Party. ❖

## News

### *Note from Andy Zartman, Our Prez*

At the October meeting, I will be asking for nominations for the FRW Officers and Executive Committee members. You can nominate yourself or someone else. We will verify that each nominee is willing to run for the nominated position.

The election will be held in the November meeting, with ballots mailed out with the November newsletter. If you think you cannot make it to the November meeting, you can mail your completed ballot to Alisa Limvere at P.O. Box 714, Franktown, CO, 80116, so that she receives it no later than November 14. The election results will be announced at the December Holiday Party.

The Executive Committee consists of the four Officers (President, Vice-President, Secretary and Treasurer) and the Committee Chairs (such as Internet Chair, Librarian, Group Buy Coordinator, and so on)..

I do not know if any of the current positions are willing to serve for another year yet. I hope all will, but we need to make sure that all the positions have candidates for the next term (January 1, 2009 - December 31 2009).

### *Lacer's Last Stand*

Note from Curt Theobald:

Join us for an evening of turning to celebrate the 50th state in which

Alan has conducted a demonstration or class. This has happened during a 28 + year career of teaching and demos in the U.S. and abroad. Alan promises to do a few things he has seldom if ever done in previous demos: an oval turned bowl, a three minute egg with the skew and the making of an awl (shaping and heat treating the steel included).

Location: Shop of Curt Theobald, 495 County Road 164, Pine Bluffs, WY

Date and time: November 18, 2008, .7:00pm

Cost: \$15 per person, with all students (college level and below) admitted free of charge.

For more info contact Curt Theobald at 307-245-3310 or [cwtheobald@wyoming.com](mailto:cwtheobald@wyoming.com) or contact Alan Lacer at 715-426-9451 or [alan@alanlacer.com](mailto:alan@alanlacer.com).

### *Group Purchases and Individual Catalog Orders*

Note: October is the last month in 2008 to order as part of a group purchase.

Please see the FRW website or the Club Info binder for the Group Purchases and Individual Catalog Orders rules. Copies are also available at the Group Purchase table before meetings. Please make checks payable to Roger Holmes for Craft Supplies and Woodcarvers Supply group purchases. Make checks for CA Glue and Sanding Disks payable to Del Fussell. To participate in

# FRONT RANGE WOODTURNERS

Individual Catalog Orders, sign up on the sheets that are passed around at each meeting.

## **Group Buy Schedule for 2008:**

Group purchase orders will be taken at the monthly meetings in **January, April, July and October.**

## **Group Buy Coordinator**

### **Contact Information:**

Roger Holmes – 1844 W. Plum Cir., Louisville, CO 80027 - 303-665-8041 - [roger\\_holmes@comcast.net](mailto:roger_holmes@comcast.net)

Del Fussell – 11455 N. Antelope Ln., Parker, CO 80138 - 303-805-2663 - [fussell6@comcast.net](mailto:fussell6@comcast.net)

**Note:** If Rockler stocks an item, please purchase that item from Rockler at their 10% club discount. We owe that to Rockler for being a wonderful host to our club.

## **Rocky Mountain Turning Symposium**

The RMW Symposium has suggested giving a demo room to each local chapter. Correction: The idea is that each chapter can then help with the technical support for the demos in the room (running cameras, cleaning up, etc.). This will assist RMW in putting on the symposium, which is the only woodturning symposium being held in Colorado. If you are interested, contact Andy at the next meeting.

## **Club Library**

See the website or the *Club Info* binder for the library rules. Following is a letter from our Librarian, Dave Hawley:

As we near the end of the year, please take time to look around the places you normally keep FRW Library items – to see if by chance you might have some of the

missing items. Your efforts will help a lot in preparing for the upcoming Library materials inventory, and also help us avoid the cost associated with replacing these items in 2009.

Also – if you have a cache of magazines, please consider contributing them to the Library – our inventory has never included many of the *American Woodworker* (AAW) magazines, and also a block of issues of *Woodturning* magazine (issues #158 thru #188 - Feb06 thru Jun08). Donating magazines to replace those that are missing (listed in the on-line inventory) will also be greatly appreciated.

Please continue to open and/or download the on-line PDF Library Inventory listings, zoom to make the print larger, word search for items that interest you, and build your “wish list” for the next meeting.

Please continue to contribute UNCONTROLLED (“Red Dot”) items – it’s a fun way of sharing.

Thanks again to Earl Waibel, Richard Kuivila, Bob Britt, and Bob Olsen for their wonderful help during the meetings! Please take time to thank them for their hard work!

Regards, Dave Hawley, FRW Librarian

## **Ongoing Content**

To streamline the newsletter, we’ve moved the content that was in the middle of the newsletter, but never changed. Please go to the website at [www.frontrangewoodturnersng.org](http://www.frontrangewoodturnersng.org) or ask the librarian, Dave Hawley, for the Club Info binder at the next meeting. We’ll keep updating it with reference information as we receive it, such as the group buy requirements, library rules, etc.

## **Upcoming Symposiums**

### **10<sup>th</sup> Annual Rocky Mountain Woodturning Symposium**

Sept 13th - 14th, 2008 at The Ranch / Larimer County Fair Grounds in Loveland, Colorado. Contact Allen Jensen at 970-663-1868 or at [rajconst@aol.com](mailto:rajconst@aol.com). Check out their website at <http://www.rmwoodturningsymposium.com/> for more information. This is one of the few local symposiums, so we should support them.

## **Featured Providers**

**Rocklers**, Colorado Blvd, Denver, provides a 10% discount for club members – see the Rockler section on page 5. Rockler will be keeping the cash register open until the end of the meeting break. Try to do your shopping before the end of the break, so that they can get out quickly after the end of the meeting.

**Wood Emporium**, Loveland, provides a 10% discount for FRW members.

Craft Supplies offers monthly deals with special discount codes that expire monthly. Discounts and codes will be posted on the FRW website. ❖

## **Show and Tell**

The turning challenge for the September meeting was Photos with Woodturning.



Curl Vogt – Bowl of poplar burl.

# FRONT RANGE WOODTURNERS



Steve DeJong – Top and side views of natural-edged bowl made of maple burl.



Henry Williams – Walking stick of maple, cocobolo, and brass.



Steve Claycomb – Bowl of maple burl.



Beautiful set of laminated wine stoppers.



Steve Claycomb – Bowl of elm.



Clark – Vase of aspen.



Bruce Perry – Top and side view of his signature winged hollow form.



Bruce Perry – Small hollow form of walnut.



Jill Rice – Bowl with beaded edge of walnut.



Norm Hadeen – Candy dispenser of maple, walnut, and glass.



Les Hess – Lidded form of mango and aspen.

# FRONT RANGE WOODTURNERS



Paul Stafford – Puzzle box of ebony, walnut, maple and glass. To open, you have to line up the gems of the proper color.



Paul Stafford – Puzzle box of walnut and alabaster. To open, you must spell the right word.



Pete Holtus – Turned hollow balls on stands.



Pete Holtus – Bowl of tops with photo.



Pete Holtus – Lidded box of buckeye burl with photo. Winner of Turning Challenge.



Pete Holtus – Oval lidded box with photo.

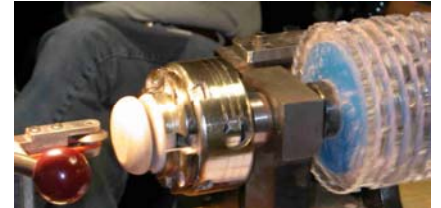


Closeup. ❖

## Demonstration

Ed Davidson demonstrated making rose work patterns using the White-Lindow Rose Engine.

The material is mounted on an axis that also has mounted a disk cut in a rosette or geometric pattern. As the material is rotated, a “rubber” follows the edge of the rosette disk, moving the axis back and forth, thus moving the material back and forth while the cutter carves it. The material is incremented after each round of cutting to carve the entire surface.



Picture of the rose engine. The cutter is the circular blade that is spinning on the left. Multiple rosette disks are shown on the left – this allows you to select any mounted disk quickly. The rubber runs along the edge of the selected disk to make the pattern.

This device is called a “rose engine” because of the beautiful, flowerlike patterns it can carve. Ed demonstrated using laminated guitar face material to highlight the patterns using contrasting colors.



Picture showing the cutter carving the pattern in the face of the material.

Rose engines can also be used to carve regular patterns on the inside and outside of bowls and the outside of hollow forms.

# FRONT RANGE WOODTURNERS

This art form reached its high point in the 1800's, but waned in the early parts of the 1900's due to scarcity and expense of the original equipment. Now, rose work is experiencing a renewed interest due to new manufacturers of the equipment, such as the White-Lindow Rose Engine.

Here are some websites that may be of interest:

[www.roseengine1.com](http://www.roseengine1.com) (White-Lindow's website)

[www.ornamentaltturners.org](http://www.ornamentaltturners.org)

<http://ornamentalroseengine.com/rose/rose2/> (contains pretty complete instructions for constructing a rose engine, assuming you have access to a machine shop)❖

## Rockler

Patronizing their store is the best "thank you" we can give Rockler for their generosity in letting us use their facilities for our ever-growing membership. Keep in mind that they keep the register open late on meeting nights just for us. Just be sure to complete any purchases no later than the mid-meeting break so these poor guys can start shutting down and go home.

As always – all FRW members get 10% off all items, except electrical or sale items, all the time. Just present your FRW membership card at time of purchase. (Note: This offer is only good at the Denver retail location, and is not valid for any other location or for Internet purchases.)

If you have suggestions for tools or materials that Rockler can carry, contact Rich Johnson, manager of the Denver store. Rockler web site: [www.rockler.com](http://www.rockler.com).

## Web Stuff

The Front Range WoodTurners Web site address (*new*):

[www.frontrangewoodturners.org](http://www.frontrangewoodturners.org)

You can contact our webmaster, Jason Springfield, at [Jason\\_springfield@yahoo.com](mailto:Jason_springfield@yahoo.com) for suggestions about content.

Get the latest information about upcoming events, meetings, and view the excellent photos of the show and tell gallery.

Other sites of interest:

(Rky Mtn Woodturners, Ft Collins)

[www.verinet.com/~drmeli/rmw.html](http://www.verinet.com/~drmeli/rmw.html)

[www.lathes.co.uk](http://www.lathes.co.uk)

[www.woodworkingbasics.com](http://www.woodworkingbasics.com)

[www.treelineusa.com](http://www.treelineusa.com)

[www.woodturnerscatalog.com](http://www.woodturnerscatalog.com)

[www.kestrelcreek.com](http://www.kestrelcreek.com)

[www.choicewoods.com](http://www.choicewoods.com)

[www.woodturner.com](http://www.woodturner.com)

[www.woodturningonline.com](http://www.woodturningonline.com)

[www.kazistudio.com](http://www.kazistudio.com) ❖

## Classifieds

*Please note:* All advertising in the Classifieds is free, but please be sure to notify the newsletter editor if an item is no longer for sale.

*Ad Policy* – All ads that are older than 3 months will be deleted, unless you contact the newsletter editor.

**For Sale** - Vicmarc VL300 Longbed Lathe. 3HP. Includes Vicmarc 5 1/2" Chuck. Originally paid \$5,000 for lathe and accessories, asking \$3,000. Contact Brandon at 303.507.5206. More info: [brandonmackie.com](http://brandonmackie.com).

**For Sale** - Like new, complete, Tormek sharpening system for sale. Includes all of the original manuals, adaptors, jigs. Like new. Want \$400. Contact Rick Orr at mobile 303-570-5298. Leave a message if I can't pick up. ❖

## Club Information

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Deadline for submitting material for inclusion in the newsletter is 15 days before the next meeting.

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## General Meeting Information

Normal meetings are the first Tuesday of every month, unless otherwise rescheduled.

Meeting place is at Rockler Woodworking & Hardware, 2553 So. Colorado Blvd. #108 Denver, CO (west side of Colorado Blvd. opposite the mall).

Meetings are 6:30 PM – 9:00 PM.

# Poisonous, Allergenic, and Biologically Active Wood Varieties

Following is a list of woods that have commonly cause people to react. Note that the reactions may differ in sensitivity and intensity for each individual. Some people may have no reaction whereas other people may have a potentially life-threatening reaction. Following is a description of what the health impairments mean:

- Dermatitis – Reaction on the skin to dust or contact with wood, including rash and itchiness. Protection includes covering skin with clothing or gloves, and bathing often during and after contact.
- Conjunctivitis – Reaction in the eyes to dust, including swelling, redness, excess tears, and pain. Protection includes wearing sealed eye protection, such as goggles.
- Rhinitis – Reaction in the nasal and sinus passages, including swelling, excess mucous, and pain. Protection includes wearing good breathing filtration.
- Asthma – Reaction in the breathing passages and lungs, including swelling and difficulty breathing. ***This is a potentially life-threatening reaction.*** Protection includes wearing good breathing filtration and avoidance.
- Toxic effects – Reaction is more systemic with symptoms that may occur throughout the body, including nausea, dizziness, and pain. ***This is a potentially life-threatening reaction.*** Protection includes all of the above and also prevention of consuming any dust or wood particles. These woods are considered poisonous. Do not use these woods for items that may contact consumables, such as food.
- Allergic extrinsic alveolitis – This reaction can become a chronic lung disease caused by heavy and/or prolonged exposure to the dust. Reaction can be acute and starts with fever, muscular aches and a general, unwell feeling or malaise. These symptoms are accompanied by tightness in the chest, a dry cough, and shortness of breath. Reaction can be sub-acute and occurs most frequently to people exposed to relatively low levels of dust. It is marked by cough, shortness of breath, sweating, sore throat, headache, and nausea. The chronic response develops after persistent acute attacks and recurrent sub-acute responses. It is marked by increasing shortness of breath, occasional fever, loss of weight, and general lack of energy. The victim suffers permanent lung damage and, in the worst cases, death may occur. (Source: OSHA – [www.ccohs.ca/oshanswers/diseases/alveolitis.html](http://www.ccohs.ca/oshanswers/diseases/alveolitis.html)) Protection includes wearing good breathing filtration and using good dust collection.

In all cases, severity of reaction may increase with additional exposures. For example, a wood that has not caused a reaction may, over time, create a sensitivity in a person to where a reaction may occur at a later time. It is also possible (if not probable) that a mild reaction may increase over time with additional exposures.

In all cases where dust may cause a reaction, use of excellent dust collection and good housekeeping habits will help to minimize potential problems. Also, even completely inert dust particles can cause long-term and serious breathing problems if inhaled over a long period of time. Use of dust filtration that filters to less than 5 microns is highly recommended.

In the following table, “spp.” means that there are several subspecies that are included in the specie name. If Origin is blank, the wood is found world-wide.

Scientific Name	Commercial Name	Family	Origin	Health impairment
Campsiandra laurifolia	acapu rana	Caesalpinaceae	America	toxic effects
Tieghemelia	African cherry, makora, douka, okola, ukola, abacu, baku	Sapotaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Mitragyna ciliate	African popula, vuku, abura	Rubiaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Lovoa	African walnut, tiger wood	Meliaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Triplochiton	African whitewood, obeche, samba, wawa, abachi, arere	Sterculiaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma
Alnus spp.	Alder, common and black	Beulaceae		dermatitis, conjunctivitis, rhinitis, asthma
Fitzroya cupressoides	alerce	Cupressaceae	America	dermatitis
Liquidambar styracifolia	aberbaum, satinnumsabaum	Hamaeideceae	America	dermatitis
Raputia	arapoca branca	Rutaceae	America	dermatitis
Fraxinus spp.	Ash	Oleaceae		dermatitis
Populus spp.	Aspen, popla	Salicaceae		dermatitis, conjunctivitis, rhinitis, asthma
Fundersia australis	Australian teak, maple, maple silkwood	Rutaceae	Oceania (Australia and Southern Pacific Islands)	dermatitis
Barberis vulgaris L	barberry	Berberidaceae		toxic effects
Hippomane mancinella L	beach apple	Euphorblaceae	America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Fagus spp.	beech	Fagaceae		dermatitis, conjunctivitis, rhinitis, asthma

Scientific Name	Commercial Name	Family	Origin	Health impairment
<i>Nauclea diderichii</i>	bilinga, West African boxwood	Rubiaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Betula</i> spp.	birch	Betulaceae		dermatitis
<i>Castanospermum australe</i>	black bean, Australian chestnut	Papilionaceae	Oceania	dermatitis
<i>Acacia</i> spp.	Blackwood, Australian blackwood	Mimosaceae	Oceania, Africa	dermatitis
<i>Euxylophora parensis</i>	boxwood	Rutaceae	America	dermatitis, conjunctivitis, rhinitis, asthma
<i>Buxus</i>	European boxwood, Cape boxwood, East London boxwood	Buxaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma
<i>Caesalpinia</i>	brasilwood	Caesalpinaceae	South American	dermatitis, toxic effects
<i>Melanoxylon brauna</i>	brauna, grauna	Caesalpinaceae	America	dermatitis
<i>Cinnamomum camphora</i>	Asian camphorwood, cinnamon	Lauraceae	Asia	toxic effects
<i>Prosopis juliflora</i>	cashew	Mimosaceae	America	dermatitis
<i>Anacardium occidentale</i> L.	cashew	Anacardiaceae	America	dermatitis
<i>Juniperus</i> spp.	Eastern red cedar, Virginian pencil cedar	Cupressaceae	America/Asia	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Cedrela</i> spp.	red cedar, Australian cedar	Meliaceae	America/Asia/Oceania	dermatitis, conjunctivitis, rhinitis, asthma
<i>Thuja</i>	white cedar, western red cedar	Cupressaceae		dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Prunus</i> spp.	cherry, black cherry	Rosaceae		
<i>Castaneae</i> spp.	chestnut, sweet chestnut	Fagaceae		dermatitis, conjunctivitis, rhinitis, asthma
<i>Diospyros</i> spp.	African ebony, Macassar ebony, Ceylon ebony	Ebonaceae	Asia	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Brya</i>	brown ebony, green ebony, tropical ebony, American ebony, Jamaican ebony	Papilionaceae	America	dermatitis
<i>Ulmus</i> spp.	elm	Ulmaceae		dermatitis
<i>Dialium</i> spp.	eyum, eyoum	Caesalpinaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma
<i>Pseudotsuga douglasii</i>	Douglas fir, red fir, Douglas spruce	Pinaceae	America	dermatitis, conjunctivitis, rhinitis, asthma
<i>Abies alba</i> Mill	Silver fir	Pinaceae		dermatitis, conjunctivitis, rhinitis, asthma
<i>Agonandra brasiliensis</i> Miers	Granadillo, Brazilian satinwood	Olocaceae	America	dermatitis
<i>Tecoma</i> spp.	green heart, lapacho	Bignoniaceae	America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Esenbeckia lelocarpa</i>	guaranta	Rutaceae	America	dermatitis
<i>Eucalyptus</i> spp.	yellow gum, spotted gum, alpine ash, mountain ash	Myrtaceae	Oceania	dermatitis, conjunctivitis, rhinitis, asthma
<i>Tsuga heterophylla</i> Sarg.	Western hemlock	Pinaceae	North America	dermatitis
<i>Carpinus betulus</i>	hornbeam	Betulaceae		dermatitis
<i>Pycnanthus angolensis</i>	liomba	Myristicaceae	Africa	toxic effects
<i>Terminalia</i>	Indian laurel, limba, atara, ofram, frake, korina, adom	Combretaceae	Asia	dermatitis, conjunctivitis, rhinitis, asthma
<i>Jacaranda</i> spp.	jacaranda, caroba, boxwood	Bignoniaceae	America	dermatitis
<i>Machaerium</i>	kingswood	Papilionaceae	America	dermatitis
<i>Laburnum</i> spp.	laburnum	Papilionaceae		dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Larix</i> spp.	larch, European larch	Pinaceae		dermatitis, conjunctivitis, rhinitis, asthma

Scientific Name	Commercial Name	Family	Origin	Health impairment
Ocotea spp.	laurel, stinkwood, Brazilian walnut, greenheart, East African camphorwood	Lauraceae	Africa/America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Gualacum officinale L.	lignum vitea	Zygophyllaceae	America	dermatitis, conjunctivitis, rhinitis, asthma
Phyllanthus ferdinandi	lignum vitea, chow way, tow war	Euphorbiaceae		dermatitis, conjunctivitis, rhinitis, asthma
Shorea spp.	luan	Dipterocarpaceae	Asia	dermatitis
Khaya spp.	African mahogany, ogwango, kraal	Meliaceae	Africa	dermatitis, allergic extrinsic alveolitis
Swietenia spp.	Honduras mahogany, American mahogany, Cuban mahogany	Meliaceae	America	dermatitis, conjunctivitis, rhinitis, asthma, extrinsic allergic alveolitis, toxic effects
Dysoxylum spp.	mahogany, stavewood, red bean, rose	Meliaceae	Oceania, Asia	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Mimusops spp.	Makore, cherry mahogany, moabi, muirapiranga	Sapotaceae	Africa, America	dermatitis, conjunctivitis, rhinitis, asthma, extrinsic allergic alveolitis, toxic effects
Acer spp.	Maple	Aceraceae		dermatitis
Semercarpus	marking nut	Anacardiaceae	Oceania, Asia	dermatitis, toxic effects
Hemandia spp.	mirobolan, topolite	Hemandiaceae	America	dermatitis
Illipe latifolia	moak, edel teak	Sapotaceae		dermatitis
Aucoumea idaineana Pierre	Gabon mahogany	Bursaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, extrinsic allergic alveolitis
Brachylaena hutchinal	muhuhu	Compositae	Africa	dermatitis
Chrysophyllum spp.	najara	Sapotaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma
Gossweilerodendron balsamiferum	Nigerian cedar	Caesalpinaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma
Guarea spp.	Nigerian pearwood, cedar mahogany, bosse, guarea	Meliaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Mansonia altissima	Nigerian walnut	Sterculiaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Staudtia stipitata	niove	Myristicaceae	Africa	dermatitis
Quercus spp.	oak	Fagaceae		dermatitis, conjunctivitis, rhinitis, asthma
Grevilea robusta	silky oak	Proteaceae	Oceania, Asia	dermatitis
Pterocarpus spp.	African padauk, New Guinea rosewood, red sandalwood, red sanders	Papilionaceae	Asia, Oceania, Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Astrocaryum spp.	palm	Palmaceae	Africa	dermatitis, toxic effects
Bactris spp.	palm	Palmaceae		dermatitis, toxic effects
Adira	Patridge wood, red cabbage treet	Papilionaceae	America	dermatitis, conjunctivitis, rhinitis, asthma
Aspidosperma spp.	Pau amarello, pau marfim, pequia marfim, amarilla, red peroba	Apocynaceae	America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Schinopsis	pau mulatto, red quebracho	Anacardiaceae	America	dermatitis, toxic effects
Rauwolfia pentaphylla	peroba	Apocynaceae	South America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Paratecoma spp.	white peroba, Brazilian peroba	Bignoniaceae	America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
Pinus spp.	pine	Pinaceae		dermatitis, conjunctivitis, rhinitis, asthma
Dacrycarpus dacryoides	New Zealand white pine	Podocarpaceae	Oceania	dermatitis, conjunctivitis, rhinitis, asthma
Araucaria	Parana pine	Araucariaceae	America	toxic effects
Callitris columellaris	pine, white cypress	Cupressaceae	Oceania	dermatitis, conjunctivitis, rhinitis, asthma
Peltogyne spp.	purpleheart, bluewood	Caesalpinaceae	America	toxic effects

Scientific Name	Commercial Name	Family	Origin	Health impairment
<i>Apuleia molaris</i> Spruce	redwood	Caesalpinaceae	America	dermatitis, toxic effects
<i>Sequoia sempervirens</i>	California redwood, sequoia	Taxodiaceae	America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Blepharocarpa</i>	rose butternut	Anacardiaceae	Oceania	dermatitis, conjunctivitis, rhinitis, asthma
<i>Dalbergia</i> spp.	rosewood, ebony, blackwood, foxwood, jacaranda	Pailionaceae	Africa, America, Asia	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Halfordia scleroxylla</i>	saffron-heart	Polygonaceae	Oceania	dermatitis, extrinsic allergic alveolitis
<i>Exoecarla Africana</i>	African sandalwood, aloewood, blind-your-eye	Euphorbiaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Amvris</i> spp.	Venezualan sandalwood, West Indian sandalwood	Rutaceae	America	dermatitis, toxic effects
<i>Calophyllum</i> spp.	santa maria, galba, jacareuba, kurahura	Guttiferae	America	dermatitis, toxic effects
<i>Zollernia paraensis</i> Huber	santa wood	Caesalpinaceae	America	dermatitis, toxic effects
<i>Parinarium</i> spp.	Guyana satinholz	Rosaceae	America	dermatitis
<i>Chloroxylon</i> spp.	Ceylon satinwood	Rutaceae	Asia	dermatitis, toxic effects
<i>Distemonanthus</i>	Nigerian satinwood	Caesalpinaceae	Africa	dermatitis
<i>Fagara</i> spp.	West Indian satinwood, yellow sanders, atlaswood	Rutaceae	Africa, America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Brosimum</i> spp.	snakewood, bloodwood, letterwood	Moraceae	America	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Picea</i> spp.	European spruce, whitewood, black spruce	Pinaceae	Asea	dermatitis, conjunctivitis, rhinitis, asthma, extrinsic allergic alveolitis
<i>Bowdichia</i> spp.	black sucupira	Papilionaceae	America	dermatitis
<i>Ailanthus altissima</i> Mill	Chinese sumach	Simaroubaceae	Asia, North America	dermatitis
<i>Tectona grandis</i>	teak	Verbanaceae	Asia	dermatitis, conjunctivitis, rhinitis, asthma, extrinsic allergic alveolitis
<i>Liriodendron tulipifera</i>	tulip tree, American whitewood	Magnoliaceae	America	dermatitis
<i>Echiospermum balthazaril</i>	vinhatico	Mimosaceae	America	dermatitis, conjunctivitis, rhinitis, asthma
<i>Juglans</i> spp.	walnut	Juglandaceae		dermatitis, conjunctivitis, rhinitis, asthma
<i>Cryptocarya pleurosperma</i>	poison walnut	Lauraceae	Ocean	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Melietta laurentil</i>	wenge, panga-panga	Papilionaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects
<i>Pseudomoros brunoniana</i>	white handlewood	Moraceae	Oceania	dermatitis, toxic effects
<i>Chlorophora</i>	yellowwood, African teak, gelbholz	Moraceae	Africa, America	dermatitis, conjunctivitis, rhinitis, asthma, extrinsic allergic alveolitis
<i>Taxus baccata</i>	yew	Taxaceae		dermatitis, conjunctivitis, rhinitis, asthma, extrinsic allergic alveolitis, toxic effects
<i>Mircoberlinia</i>	African zebra-wood	Caesalpinaceae	Africa	dermatitis, conjunctivitis, rhinitis, asthma, toxic effects

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