



North Texas Woodworkers Association

See us at: www.ntwa.org

Volume 25, Number 5

Newsletter

May 2016

Welcome

President John Loftis welcomed everyone to the May meeting. Asked for a volunteer to take pictures since Sidney was unable to make the meeting. Stephen Riddle stepped up to the plate.

Guests

Fred Sawtelle and Lisa Hawkins are from Glen Heights. They heard about NTWA from WoodWorld. Fred like to do all kinds of woodworking while Lisa is just beginning and taking direction from Fred.

Randy McIntosh is from Mesquite and saw information on NTWA at Woodcraft's Plano store.

Bill Fisher and Dale Smith are pen turners who learned of the club through John Loftis.

Mike Jury is from Plano and likes tools and wood!

Mike Breslin was a guest at the May meeting.

Announcements

John Loftis says he received an inquiry for a part-time cabinet assembler. If anyone is interested, please see John. He will also send out a notice to all members.

Gary Bobenhausen reminded guests and new members were to go to the NTWA website (www.ntwa.org) to

subscribe to club mailings. If they have signed up, but haven't been receiving emails, please see Joe Polich or one of the officers.

John announced that club librarian Bob Moore is having difficulty making the meetings due to his work schedule. He asked for a volunteer to take over those duties. Thank you Ron Giordano for volunteering!

Bob Flexner no longer does seminars so we need suggestions for someone to do the weekend seminar on finishing. Jeff Juit (sp) of Heritage was recommended. John is to contact Jeff.

Gary Bobenhausen also announced that the new laser engraved name tags are not ready. He also mentioned that anyone who renewed their dues for 2016 and didn't get their new membership card with an April 2017 expiration date need to pick one up from club membership co-chairman Vic Gutekunst or Isabel Nieves.

Shop Questions

Jim Cadorette has an Omas pen on which the covering is deteriorating. He's looking for someone to repair it if possible.

Keith Johnson is looking for a small dust collector. John Loftis said he has a 3hp DC for sale. After a number of questions regarding dust collection, Joe Polich described his system and is

to do a program on home shop dust collection at the August meeting.

Show & Tell



Ron Giordano made this box for his son's graduation from Notre Dame. He used curly maple and walnut and he did the joinery with an Incra jig.



Bill Moore showed off a video he uses as an introduction for his YouTube videos.



Isabel Nieves shows off her dining table made of maple and oak. This table completes the set with chairs she made earlier.



Dan Nilius made this rocking horse for his granddaughter from plans from Woodcraft he modified.

then cut off. The lid is held in place with rare earth magnets.



Chris Kiersey made this chess board out of walnut and maple within a frame of sapele.



Lynn Floyd made this tidewater cypress box to display arrowheads. The lid and box were made as one



Zack Dixon made this purpleheart box with a curly maple lid to hold dice for D&D games.



Gary Bobenhausen made this red oak box as a Beads of Courage gift. He used a birdmouth router bit from Lee Valley to create 12 segments he turned using really big jam chucks.

Raffle

Clint Adams: Veritas Dual Marking Gauge

Fred Sawtelle: Shop Drawings for Craftsman Furniture by Robert W. Lang.

Zack Dixon: Woodriver #4 plane

Lynn Floyd: Woodcraft project plan for Modern Morris Chairs

Program

Morris Chairs – by Michael Minarzick

Michael describes his efforts to build these chairs as a woodworking journey from agony and despair to completion and satisfaction.

He began his program with the background on the changes in England during the industrial revolution and its influence on the creation of the Arts and Crafts movement which was a reaction against a decline in standards that many associated with machinery and factory production.

The Morris chair was developed in 1866 by William Morris' firm, Morris & Company in England. It was an early type of reclining chair and was considered a part of the Arts and Crafts movement.

Gustav Stickley was perhaps the most influential person in the Arts and Crafts movement in the U.S.

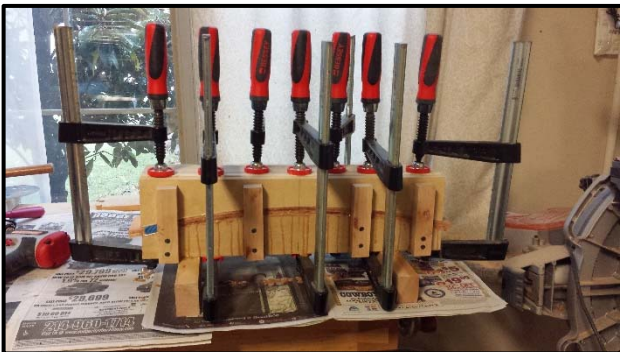
Michael approached his build by purchasing a plan from The Wood Whisperer Guild, <https://thewoodwhispererguild.com/store/> for \$85. The package included 18 high definition videos, SketchUp file, a PDF of the dimensional drawings and all relevant templates.

His project's highlights included bow arms, curved side rails, curved back

rest and through mortis and tenon joinery.



The jigs to form the arms and back slats were nearly as much work as the chair itself.



Gluing was a real challenge according to Michael. He use Unibond 800 which is a two-part urea liquid resin glue.

The pros to using Unibond 800 are:

- Long open time (45 minutes @ 70°F)
- Rigid glue line making it an ideal adhesive for bent laminations
- Gap filling properties (up to 0.02")

- Catalyst is available in multiple shades, matching the wood color better
- Won't cold creep like some PVA glues
- No water is introduced to the veneer and substrate which can cause seams to separate, thin substrates to warp
- Good for adhering oily veneers such as rosewood
- Easy water cleanup while still wet

The cons to Unibond 800 are:

- Chemical concerns
- Requires a respirator
- Components measured by weight and mixed
- Requires a minimum temperature of 70°F
- Expensive
- Liquid component will gel in warmer temperatures
- Sharp squeeze out pieces
- Requires 4-6 hours in clamps or vacuum press to form a bond
- Difficult to clean when fully cured



Bent laminations formed the chair back slats.



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Michael said he left his laminations in the forms for 24 hours instead of the 4-6 hours cited in the plans and the glue.

Finishing

Michael used Waterlox which is a tung oil based product due to its ability to penetrate into the wood, it is water resistant and forms a protective yet elastic finish. It's non-toxic and food-safe when fully cured and is relatively easy to use and apply.

He used lacquer over the Waterlox as a topcoat.

Project Difficulty

Some of the issues that Michael said he had to deal with were:

- Bent arms - requires a really accurate bending form
- Contoured back - difficult to clamp and get it all together without gaps
- Epoxy - dealing with squeeze out (clean with lacquer thinner, acetone, or alcohol); use the clear hardener (West System 207)
- Through tenons - getting them just right
- Excessive clamping – the arms split easily and the filler pieces in the curved side rails are easily damaged
- Side rails, filler pieces, using the slot bit in the router table

- Curved shoulder of the tenon on the rear legs is hand cut and chiseled

In closing Michael shared some of the thoughts he had after he finished the project and if he were to do it again.

- Side rails – make them straight and not curved
- Tapered legs – I probably wouldn't taper the legs
- Oak – I would make them out of heavily ray-flecked oak
- Taper the corbels even further

All-in-all this was an outstanding evening with one of our own club members and we can't thank Michael enough for his willingness to share this impressive piece of work!

Next club meeting:

June 21st, 2015

7:00 p.m.

The Party Barn

Program: Refinishing by Andrew's Refinishing

Newsletter edited by: Joe Polich
Pictures by: Stephen Riddle