



CHIPS & Chatter

WWW.SVWOODTURNERS.ORG

THE SILICON VALLEY WOODTURNERS' NEWSLETTER

COMING UP!

Meeting: Dewey
Garrett-20 Years of
Turning
April 6th

Santa Clara Valley
Carvers Show
April 16-17th

Santa Clara Wood-
working Show
April 22-24th



Malcolm Tibbetts Pieces it Together

Malcolm Tibbetts came down from Lake Tahoe to show us his segmented turning techniques.

Malcolm got started by accident around 1992, when his teenage son asked for a wood lathe. Although the son soon lost interest, Malcolm got hooked. Five lathes later, his turnings sell around the world. His first segmented piece, with felt on the bottom to hide the screw holes, was a simple lamination. From there he's gone on to staved turnings, mitered rings, and mitered polyhedrons. He does open, closed, and sculptural forms.

Design considerations

Malcolm says shape is the most important element. Nothing makes up for poor shape. So what's pleasing? Bases should be small: just large enough for stability. Curves are more pleasing than straight lines. Transitions should be smooth. A vessel should look good upside down. The smaller the vessel, the thinner the walls.

Gravity produces the best curves (catenary curves). Malcolm combines sections of them to produce elegant profiles. He likes to put the fullest portion of a closed form at the golden mean, about 5/8 of the way up

Mar., 2005 INSIDE

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We just had a great demo by Malcolm Tibbetts. What a guy! What a DEMO! There is no way to explain the work that man does. He was/is an inspiration for sure. So after that demo what have you started gluing up?? I'm going to try the pen blank project.

Speaking of projects... This being April, next month is our TOP night! Have you started that project yet?? We will have a tough time trying to beat Gary's time. Also; "size does matter!!" Big ones and little ones too, but don't forget, they must spin.

Our annual turning contest is also coming up. That's scheduled, along with a picnic and swim party, at my place in July. What are you going to enter? Lots of possibilities. This has

been fun for the whole family so plan on attending, and polish up your pieces for the contest. Our jury is tough. They have a keen eye!!

We are starting to get a lot of interest in this year's trip to Provo in June, for the 26th annual Woodturning Symposium. A bunch of us will be driving. The group going with me will leave EARLY on 6/14 so we can get to Provo before dark. We will leave Provo EARLY on the 19th so we can get home before dark on Fathers' Day. We are staying at the Travel Lodge on University Avenue in downtown Provo. You are welcome to join us. Just let me know.

Thanks to Phil and family for hosting this month's shop tour. What a great outing and another tool too. Ayman and Phil have done a great job and everyone is enjoying the outings. I sure hope more of you will join in on the fun and show us your shops! Phil says the clean shop makes it all worthwhile. He has found things he hasn't seen in a long time. He said he even got a clean shop from it.

Who's next?

I was contacted this week to see if we still wanted space in the Woodworkers Show. I told them we did. We will need to demonstrate on our lathe while the show is open. We can display our turnings but we **CAN NOT SELL** them in the show!

We now have a sign-up list for booth duty at the Woodworkers Show, April 22 – 24. The hours are Friday, 12 – 7; Saturday, 10 – 6; and Sunday, 10 – 4. If you do a little booth duty you can get into the show for free. Come and sign up! The Matrix is on my shop door. This show is at the Santa Clara Convention Center, should be quite an event! Just one more tool...

Rich

Next month...

Join us
Wednesday, April
6th, at 7 P.M., as
Dewey Garrett
talks about 20
years of turning.
Location: Rich
Johnson's Woodturning Center in San Jose.



Rich's Center is located behind his home at 14979 Joanne Ave., San Jose. From Hwy. 680, take the McKee Road exit East about 1.5 miles to Toyon Ave. Turn left and go 0.6 mile, turn right onto Joanne Ave.

Bring your chair and items for Show and Tell. We all learn together.

PRESIDENT'S CHALLENGE: WITH BARK

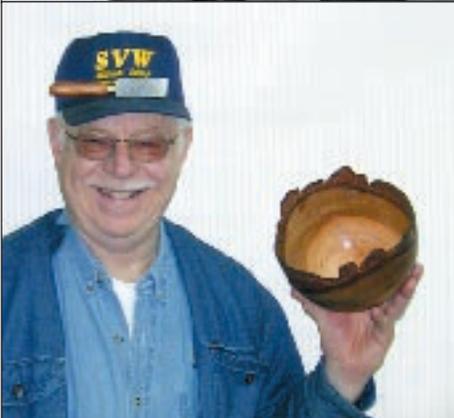
President's Challenge and Show & Tell



BROKEN/ REPAIRED

PRESIDENT'S CHALLENGE

Phil Roybal brought a shattered and re-glued maple burl hollow form, nestled in a walnut square turning carved and textured to look like leaves. A tiny chick nestles in the burl. The piece is finished with Watco and wax.



Dick Pickering showed a broken red bark eucalyptus natural edge bowl with a large split in the bottom. He filled the split and finished the piece with 50% Deft.

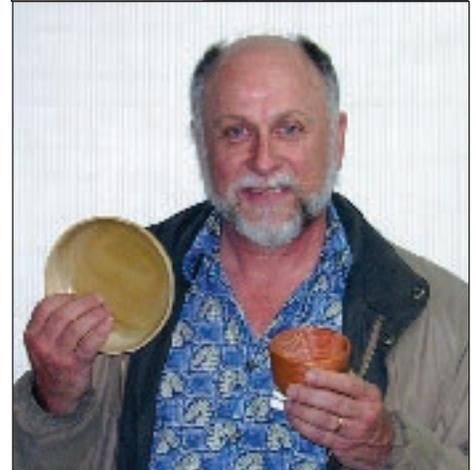
Bob Bowers brought a clock that started out large but after two catches became palm sized. He also brought a Douglas fir vase finished with wipe on poly as a make-up.



Ayman Sayed showed us a thin stem goblet where the stem was purpleheart under a canarywood bowl.

Rich Johnson brought an olive natural edge bowl and a mulberry bowl, both broken, one repaired.

Michael Wiley showed a small redwood bowl and a larger poplar open bowl. One had cracks repaired, the larger had a catch on the back near the base.



Clockwise from top left: Phil Roybal, Ayman Sayed, Rich Johnson, Michael Wiley, Bob Bowers, and Dick Pickering.

Continued on page 4.

Challenge continued from page 3.



Lloyd Frisbee presented a whisk, with the handle made to repair the broken one on one of Becky's.

Becky Frisbee showed a perfume pen, cracked and repaired with CA. She also brought a key fob, cracked and repaired the same way.

Harry Levin showed us a hollow form of sycamore and purpleheart. He broke through the bottom of the sycamore and glued the purpleheart base on. The piece serves as a pencil holder.

Mike Rude brought an inside out vase of ash, purposely split and reglued.

Phil Roybal and Mike Rude won the Challenge raffle.



Show and Tell

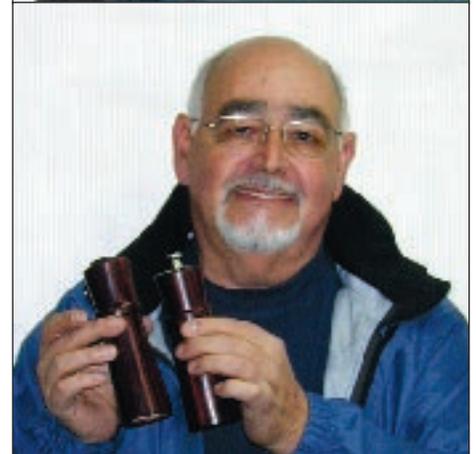
Ayman Sayed brought an olive natural edge bowl, finished with lacquer.

Bob Tang showed an olive natural-edge bowl made from Rich's stock. He also showed a carved Norfolk pine bowl, both finished with oil.

Becky brought two dragonflies, with wings made of Shrinky-Dink and bodies of dymondwood pen blanks.

Bob Bowers turned a redwood bowl, finished with sanding sealer and wipe-on poly.

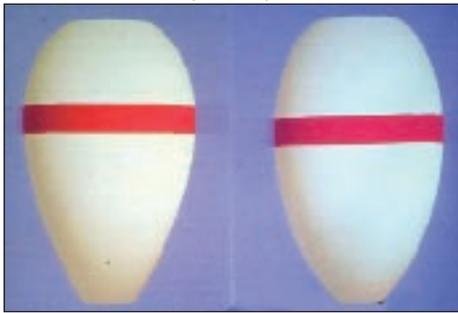
Harry Levin presented a salt and pepper set made of cocobolo, finished with poly/oil/mineral spirits and japan drier.



Clockwise from top left: Lloyd Frisbee, Ayman Sayed, Bob Tang, Bob Bowers, Harry Levin, Mike Rude, Harry Levin, and Becky Frisbee.

Tibbetts, continued from page 1

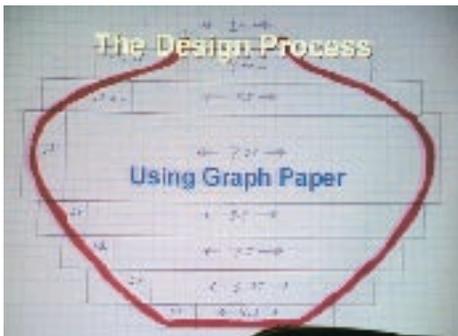
the piece. He showed us two vases that differed only a tiny bit, but the



The left form, its fullest portion at the golden mean height, was voted most pleasing.

one portioned according to the golden mean was more pleasing to most members.

Wood should be dry for stability, less than 10 percent moisture. It will move with humidity changes, but primarily across the grain. This makes grain orientation critical. Long, per-



Malcolm first draws a profile.

pendicular glue lines will fail.

Process

Malcolm starts with a profile on graph paper and draws in each ring, determining their height. Then, an overhead (plan view) allows him to see the minimum segment thickness that will accommodate the ring with a given number of segments.

Segments are cut from boards at a specific lengths and angles. "This isn't rocket science", says Malcolm. A circle has 360 degrees. That divided by twice the number of segments gives you the cutting angle. Segment

length is the circumference of the ring divided by the number of segments.

Malcolm runs strips of solid wood or feature elements through a thickness sander before cutting them into segments on a chop saw. He uses a piece of MDF as a zero clearance insert under the material on his saw, and he secures the material with a hold down, a wedge, and stop blocks.

Should segments be sanded before gluing? Malcolm normally sands their ends in order to make a tighter, less visible glue joint. If he's freehand sanding, he just brushes the end of each segment across his disk sander to erase saw marks. He flips segments end for end to sand the opposite end, so angle errors in the sander table cancel out. Next he glues segments in pairs and clamps them with rubber bands. But he does most sanding with a jig on the disc sander. This produces



Malcolm's segment sanding jig.

an exact length and angle. Where an angle needs changing, he takes half the error from each side of the segment.

He assembles jig-sanded pieces into a ring, with dowels separating the ring into two halves. He does this on waxed paper covered MDF marked with concentric rings with nail holes in them. He surrounds the ring with nails, then puts rubber bands around the lot. Removing the nails toward him, he lets them clamp the ring, then adds more rubber bands. Larger rings might



Top: Malcolm glues up half-rings on his MDF gluing jig.

Bottom: Truing a ring on its faceplate.

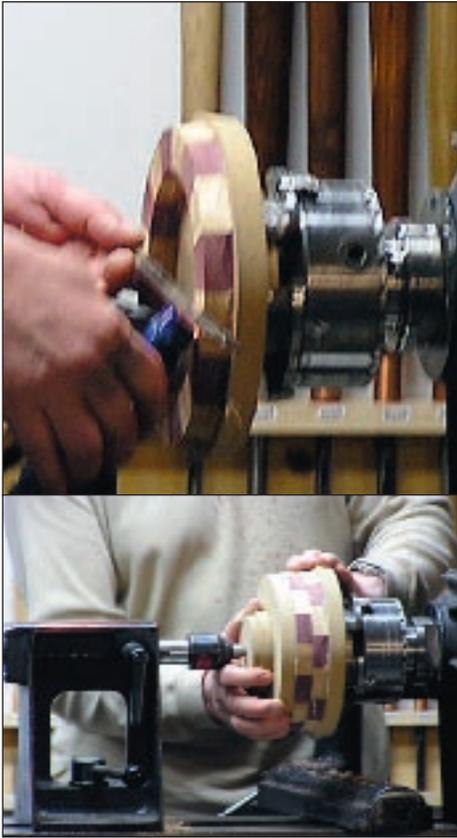


require cable clamps. When the halves are dry, he touches up their ends on the disk sander and glues them into a ring.

Malcolm makes up MDF faceplates by cutting 3- and 3½-inch circles with a hole saw in a drill press, then gluing the circles to the backs of discs. He can grip those small circles in a chuck. The hole saw leaves a center hole that can be used to center the rings on the tailstock. After he smooths one side of a ring on a disk sander, he hot melt glues it onto one of these faceplates. He rounds the inside of the ring, then uses a straightedge and flashlight to check for flatness across its face, cutting away high spots. Once the surface seems flat, he passes #80 sandpaper on a flat MDF board across the surface of the spinning ring to true it.

Malcolm builds feature rings first, and designs the simpler rings

Continued on page 6



Top: Malcolm flattens a newly-glued ring. Bottom, he glues the ring, centered by the tailstock, to a growing assembly on the headstock.

to accommodate them. He makes up features by gluing together various shapes in contrasting woods, ripping and re-gluing them before building them into rings.

Malcolm glues up one ring at a time on the lathe and turns the assembly. He centers the newly flattened ring, on its MDF backing, with a tailstock center. Then he glues and clamps that assembly to the previously built part of the vessel in the lathe. Finally, he turns off most of the hot melt glue to free the faceplate and remove it from the growing form on the lathe.



Right: Mobius Torus, a piece made of segments turned with their insides out, then glued into pentagonal rings before assembly into the final form.

Malcolm turns small vessels down to 1/8" wall thickness, and goes thicker as for larger pieces. He finishes his turnings with Bullseye sanding sealer, then wipes on General Finishes Seal-a-Cell Clear and Arm-R-Seal Urethane Topcoat. He puts on lots of coats, buffing with steel wool in between. The results are dazzling!

To see more of Malcolm Tibbetts' work, check out his web site: www.tahoeturner.com.

SHOP TOUR!

About

two dozen people showed up when Sec'y./Editor Phil Roybal hosted a shop tour and invited members to build Lacer-style hook tools in his forge.

Phil and his wife enjoy multiple hobbies in 675 sq. ft. of inside shop space, plus a carport for blacksmith work and material storage. His shop includes rooms for wood-working and turning/met-alworking.

The comfortable, well-lit spaces feature dust collection for major tools, a workbench for hand work and carving, a variety of stationary woodworking tools, and lots of storage. He has a metalworking lathe/mill and a metal shaper for tool making.

Outside, a digitally controlled propane forge and kiln accommodate forging, hardening, and heat treating tools, as well as enameling and glass fusing. A plasma cutter and MIG welder let his wife cut and join sheet steel for her garden sculptures.

The tour opened at 11 AM, with three lengths of O1 steel laid out on the table for hook tools. The group divided into production teams and, over the next couple hours, forged and hardened 24 tools. A good time was had by all.

Can we tour your shop? Contact Ayman Sayed (asayed@cisco.com) to get on the list.



Clockwise from top: Phil stands by his tablesaw, the turning/metalworking room, members gather in the main woodworking room, Phil bends a tool rest for Rick Parfitt's grinder, outside the shop.

Continued on pg. 8

MAKING HOOK TOOLS

We made two dozen hook tools during the shop tour. We started with 3-foot lengths of O1 (oil hardening) drill rod. The rods were cut to length,



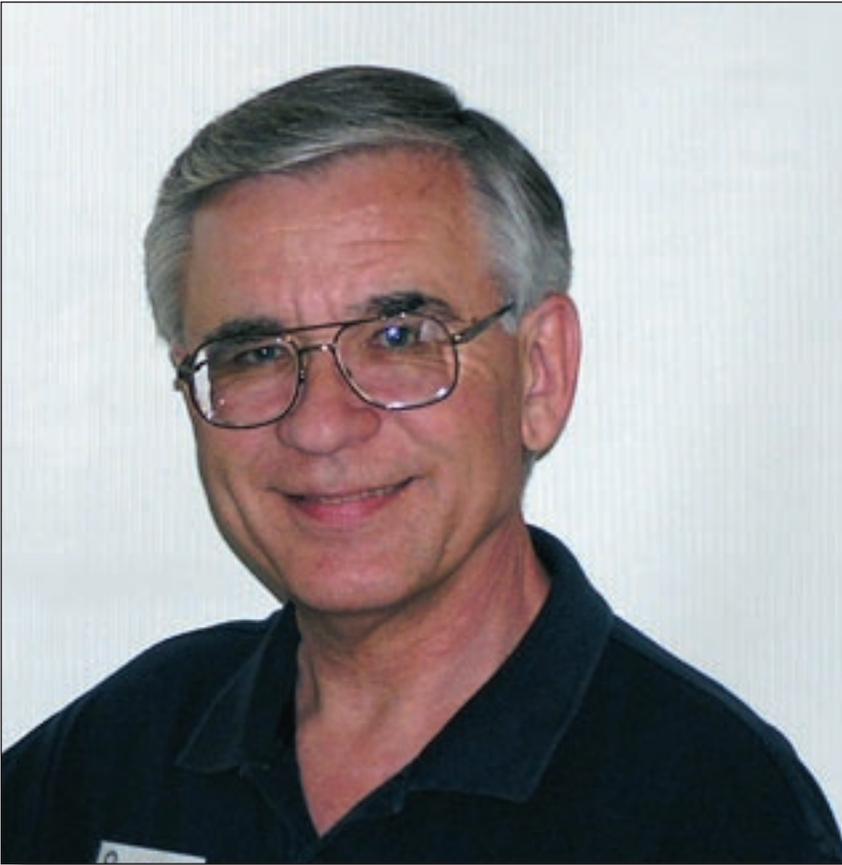
rough ground to shape, heated to around 1800° F in the gas forge, bent into hooks using a jig on the anvil, reheated, oil quenched to harden them, then cleaned in preparation for tempering. Some were tempered to dark straw color in the mouth of the forge, while others went home with their makers to temper for an hour in a 490° F oven.

Left, top to bottom: Mike Rude cuts drill rod into 9-inch lengths on a metal-cutting bandsaw, Rod Torkelson rough grinds the blanks on a belt grinder, the gas forge heating a few blanks.

Right, top to bottom: a hot blank, ready to bend, the blank after bending the hook, blanks reheating to the hardening temperature, oil quenching the tools, and a tool ready for tempering and final grinding.

Below: finished tools, ready to use.





Jim Gott Photographer (Member since 1999)

Jim says; "I'm a 55-year-old professional musician. I play timpani (kettle-drums) in the San Francisco Ballet Orchestra. I was educated at San Jose State University and the Juilliard School in New York. I have a Masters degree in Music. I've been happily married to my wife, Pat, for 28 years. We have a home in Willow Glen that is a constant work in progress and a joy to own."

Q. What lathe do you use?

A. *I use a Stubby 750 lathe. It can swing 16-30" and turn 32" between centers. Its spindle is 1 1/4" X 8.*

Q. What do you like to turn?

A. *I like to turn bowls, boxes, hollow forms, and segmented pieces. I also experiment with natural edge bowls from green wood, hollow forms from green or dry wood, ornaments, pens, tops, and mushrooms.*

Q. What is your favorite wood to turn?

A. *I really like to turn olive. I also like privet, claro walnut, and cocobolo.*

Q. Any favorite turning tools?

A. *My favorite bowl gouge is a 5/8" Crown Pro PM. My favorite spindle gouge is a Crown 3/8". I also have Henry Taylor and P&N gouges which I use often.*

Q. What types of finishes do you use?

A. *My favorite is Deft lacquer, thinned 50/50 with lacquer thinner. I also like Danish oil and Lee Valley Polymerized Tung Oil.*

Q. How long have you been turning?

A. *I've been turning for six years.*

Q. What got you started in turning?

A. *Over the years I had been building up my woodworking shop, and in late 1998, I had gotten to the point where*

a lathe was the next tool to get. Back then I knew nothing about turning and thought perhaps I could use the lathe for making table legs, or maybe drumsticks for myself. It was years before I turned either, because once I turned my first bowl I was hooked. My first lathe was a Grizzly 1067Z, which I still have, and use as a buffing station.

Q. Who has influenced your style?

A. *I think English turner Bert Marsh has most influenced my style. Having said that, involvement in SVW has greatly influenced my style as well, and it is my greatest asset as a turner. The weekly sawdust sessions have sped my growth tremendously.*

Q. What would you change about SVW?

A. *Besides more member involvement, I can't think of a thing. I have been to club meetings all over Northern California and I can honestly say none of them hold a candle to SVW.*

Anything you'd like to learn?

With each demo, be it a club meeting demo or a full-day demo by a noted professional, I get new inspiration and try new things. I don't find myself wanting for new things to do. There is always something new to try.

What other interests do you have?

My hobbies include music, movies, and home improvement. Is there time for anything else?

Editor's Note: If you'd like to be featured in PROFILE, fill out the questionnaire on our Yahoo site and return it to Lloyd Frisbee.

At Class with Mike Mahoney

Ayman Sayed

Last month, I attended a 3-day Intermediate Turning workshop with Mike Mahoney, in Provo, Utah.

The facilities at Craft Supplies were pretty decent, with 12 workstations for students and one for the instructor. Each workstation was equipped with a high-end lathe (full sized OneWays, Vicmarcs, Powermatics, Woodfasts, and Stubbys) and a full assortment of Hamlet ASP tools, chucks, etc. There was a good supply of dry and green turning blanks in all sizes, along with sandpaper and other consumables.

Mike had two assistant teachers (accomplished and famous turners in their own right): Rex Burningham and Kirk DeHeer. He had 12 students in the class, with experience ranging from 5 years down to just few months.

Mike uses just three tools for most of his work: a 5/8" bowl gouge, ground to 40 degrees and swept back about 3/4", for roughing bowls and for finishing the exterior; a 1/2" bowl gouge, ground to a 50 degree short bevel (1/8") with very little sweep back, for finishing the interior of a bowl, and a 1/2" detail gouge with a 40 degree long bevel, for rim treatment and for finishing the first 2 inches of the bowl interior.

Mike started by spending a couple hours on sharpening. He demonstrated his sharpening technique and the grinds he uses for different tools. After demonstrating the process, Mike got us to sharpen all our tools freehand, without the aid of a jig. It is a valuable skill to have, even if you use sharpen-



Mike Mahoney demonstrates his freehand grinding technique to the class in the Craft Supplies classroom.

ing jigs at your shop, in case you ever need to sharpen tools when jigs are not available.

We spent the rest of the three days working on series of projects. Mike would usually start by demonstrating a technique needed for a certain project, then have the students try the project at their own lathes while he and his assistants made the rounds, giving feedback and tips.

We built the following projects:

- Shop mallet—a test for student turning ability in case you had never turned before.
- Three green bowls—to improve the accuracy and cleanliness of your cuts using the above tools.
- Natural-edged bowls—Coring and rough turning three nested bowls from a green blank using the

McNaughton System

- Hollow form
- 14" Platter

Mike concluded the class with a session on finishing, where he went over his favorite finishes for utility items and gallery pieces. He also invited the class home for lunch on the last day. There he gave us a tour of his shop, his house, and his turning collection. Mike has an interesting shop (where he turns upwards of 800 bowls a year by himself) with 5 lathes (mostly Vicmarcs and a VB36). He also keeps a fine collection of turnings that he's accumulated from famous turners over the years.

All in all, I found the class very useful. I had fun and learned a lot during those three days. I would highly recommend it if you get the chance.

PROGRAM NOTES

Ayman Sayed

We have an exciting lineup of programs ahead.

Dewey Garrett will be presenting at our April 6th club meeting. Garrett trained as an engineer, and is fascinated by the symmetry and simplicity of turned forms. His work has earned places in the collections of the White House, the Detroit Institute of Arts, and the Philadelphia Woodturning Center. He'll talk about his 20 years of development as a turner.

TOP NIGHT

We are less than two months away from our Tops Night (takes place at the May meeting - 5/4). We will have our annual tops competition and give awards for the following categories:

- Longest running top (in both manual start and power launched categories) - can you beat Gary's 19 minutes?)
 - Biggest top
 - Smallest top
 - Most innovative/unique top
- Start working on your top soon if you haven't done that already.

SHOP TOURS

Mike Magrill has kindly volunteered to host a tour of his shop in May. More details will follow once the date is finalized. Meanwhile, we are looking for other volunteers to host shop tours. You don't need a large shop or a lot of exotic equipment to host a successful tour. Members are most interested in seeing shops similar to their own so they can use storage solutions, innovative jigs, and other shop helps that you've put to work. Even if these things don't seem special to you, they may be just the thing to solve someone else's shop problem. Please contact Ayman if you are willing to host a shop tour.

UPCOMING PROGRAMS:

- 4/6 (club meeting) Dewey Garrett presentation
- 5/4 (club meeting) Top night
- 5/7 (all day) Christian Burchard demo
- 6/1 (club meeting) David Vannier demonstrates his open segmented turning technique
- 6/12 (all day) Neil & Liz Scobie demo
- 11/12 (all day) Chris Stott demo

We have also just added a full day demo by Chris Stott for Saturday, November 12.

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MENTOR PROGRAM

Our Mentor program includes four volunteer mentors. Contact Phil Roybal to join the list. Members who need some help (but not formal lessons) can contact:

Rich Dege	(408) 272-8122
Jim Gott	(408) 265-9501
Rich Johnson	(408) 254-8485
Phil Roybal	(408) 255-4789

Sharpening the Lacer Hook Tool

Many of us made Alan Lacer-style hook tools last month, and some people have had trouble sharpening them. Ground incorrectly, the tools can be very aggressive cutters, difficult to use. Here's how to sharpen the tool so it's easy to control. The technique uses the Hook Tool Sharpening Jig that is available for checkout from the club library.

Sharpen the Lacer Hook Tool with the Hook Tool Sharpening Jig, as follows:

- Install a large tool rest on your grinder.
- Rough grind the hook so the top slopes evenly off to the right, as you look at it from the handle (see photo 1), with the cutting edge up.
- Insert your tool into the Jig as in photo 2, with the hook roughly level.
- With the grinder OFF, touch the tip of the hook to the grinding wheel and adjust the tool rest so the tip lies against the wheel at the desired angle. For the initial sharpening, shoot for an included angle around 30°.
- Turn the jig so the left side of the hook is against the wheel, and rotate the tool in the jig until the side lies against the wheel at the same angle as the tip did in the previous step. Gently tighten the thumbscrew on the jig.
- Turn ON the grinder.



Photo 1: The hook slopes off evenly toward the tip.

- Gently touch the tip of the hook tool to the grinding wheel and, in a smooth motion, sweep the tool and jig around clockwise against the grinding wheel to create a single facet and a sharp edge at the top.
- Grinding may take several passes the first time. Cool the tool in water so it doesn't discolor. Remember, this is carbon steel, not high speed steel. Turn it blue and you've ruined the tool. Grind until you have a sharp ridge with an even slope, and no hooks or dips.
- With the grinder OFF, tilt the tool rest up about 45°. You're setting up to grind off the heel of the tool so you can get closer to the cutting surface.
- Loosen the thumbscrew on the jig and rotate the tool clockwise about 45°. Gently tighten the thumbscrew.
- Turn ON the grinder.
- Again touch the tip of the hook to the grinding wheel and sweep the tool around clockwise to evenly grind off the heel. Once you've used the tool, you may want to grind off more of the heel if it gets in your way.
- Use a slip stone to lightly polish the inside of the hook, removing any wire edge.



Photo 2: The hook tool installed in the Sharpening Jig.

That's it. Remember, this is a finishing tool not a roughing tool. Cut with the portion of the hook at around 11:00 and take small bites for a smooth finishing cut.

STAFF REPORTS & BUSINESS

Staff reports are light this month, since most of our March meeting time was given over to the Malcolm Tibbetts demo.

AYMAN SAYED (VP/PROGRAMS)

Ayman is looking for hosts for future Open Shop tours. We'd like to do one each month. Contact him to get on the schedule.

Upcoming events include:

- 4/6 Dewey Garrett
- 5/4 Top night
- 5/7 Christian Burchard demo
- 6/1 David Verney
- 6/12 Neil & Liz Scobie demo

CRAIG THORSON (TREASURER)

INCOME

Membership	\$575
Apparel	\$10
Lacer Demo	\$870
Raffle	\$25

EXPENSES

Lacer demo fee	\$560
Michele: demo food	\$150
Bob Bowers: aprons	\$12.61
February demo fee	\$50

SPENDABLE BAL. \$1797.63

Save your Woodcraft receipts for Craig, who can use them to earn discounts for the club.

BOB BOWERS (APPAREL CHAIR)

Bob has hats, shirts, and patches, both sew on and iron on.

OTHER BUSINESS

New Faces

Three members have joined us in the past month. John Whittier of Campbell, James Rodgers of Martinez, and Steve Dahout of San Jose are now part of our club. When you see them at meetings, please introduce yourself and help them feel welcome.



Malcolm Tibbetts' demo pieces, showing how he achieves certain effects in his segmented turnings.



A circle of spring clamps holds one of Malcolm Tibbetts' feature rings as the glue dries.

CALENDAR

APRIL

6TH

Regular club meeting at Rich Johnson's Turning Center. Dewey Garrett will demonstrate.

16TH-17TH

Santa Clara Valley Carvers Show, Prospect High School, Saratoga, CA. 10-5 on Saturday, 10-4 on Sunday.

22ND-24TH

Santa Clara Woodworking Show, at the Santa Clara Convention Center.

MAY

4TH

Regular club meeting at Rich Johnson's Turning Center. Top Night!

7TH

Christian Burchard all-day demo at Rich Johnson's Turning Center.

JUNE

1ST

Regular club meeting at Rich Johnson's Turning Center. David Verney will demonstrate open segmented turnings.

10TH-JULY 4TH

Designs in Wood exhibition at San Diego County Fair.

12TH

Neil and Liz Scobie will demonstrate turning and decorative techniques.

16TH

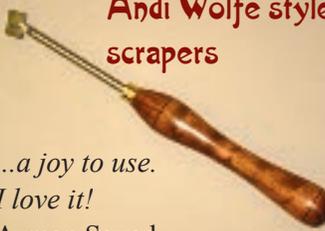
Penturners Rendezvous will take place preceding the Utah Symposium in Provo, UT.

15TH-18TH

Craft Supplies Day and Utah Symposium at Brigham Young University in Provo, UT.

FOR SALE

**Andi Wolfe style
scrapers**



*...a joy to use.
I love it!*
Ayman Sayed

1" A2 blades, steel shafts, wal-
nut handles, immaculate finish,
honed and ready to use. \$45
Round A2 blades \$15

Phil Roybal
408 255-4789
proybal@pacbell.net



Even Roy wants to know...
How did you do that?

Rich Johnson's
Woodturners' Boot Camp
Learn the basics, from chainsaw to
polish. An all day class. Book avail-
able. Sign up now. (408) 254-8485.

*Affordable
Elegance
Custom
Embroidery*



**Deborah
Bress**

TEL: 408/243-6363
FAX: 408/244-0307
affordableelegance@netzero.net

Ace's Moving Clean-Up

In my continuing effort to get rid of stuff, I offer the following, mostly gratis.

Ten or so two foot by four foot frames of redwood 2x6, made for raised beds in the garden. Also a few two foot square frames.

For sale, a 12"x6" Belsaw thickness planer, 2 hp, 110/220v, 3450 rpm motor.

Some glass, including plate glass that would be perfect for somebody who wants to do scary-sharpening.

Road signs. Nice sheet aluminum.

A round pine tabletop, four foot diameter, five quarter stock. Would make a good patio table.

Wooden slide expansion mechanism for a dining table.

Conveyor rollers, two feet long by an inch and a half diameter, roughly.

Electric motors. Four or five of various descriptions.

About five gallons of Parks lacquer and sanding sealer. Similar to Deft.

Paint remover.

A grindstone. Just the stone, about two inches and a half thick by twenty inch diameter. With a little work and ingenuity you could duplicate grand-dad's grindstone.

A hand truck. Small wheels, not much good on rough surfaces, but better than naught.

A bunch of lampshade hardware. Frames, hoops & such.

Some burlap. Somebody said something about using burlap in finishing, the other day. I used it for my bee smoker.

A set of legs for a table such as we use for display at the H&G show.

An HP #26 black ink cartridge. Fits 500 series Deskjet printers and others.

A 16' exhaust fan, perfect for the gable end of your shop.

Some shovels that just need new

handles to be useful again..

A Sears "5 1/2" hp, 30 cuft air squeezer. Needs repair. I got it from a coworker a while ago for the tank, but haven't ever got around to hooking it up. It needs, if I remember correctly, regulators and some new gaskets on the compressor. The motor runs fine. Further info on request.

And wood. In addition to all the stuff outside, I can now get to the stuff inside, with a little effort. Boxes full. Imagine a stack of beer cases (or milk cartons, if it suits you better. The long ones.) Eighty feet high, full of wood. Mostly relatively small stuff, to be sure, but well seasoned.

A microwave oven, suitable for shop use.

A little refrigerator, ditto.

Contact Ace Foster
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IRONMAN

Ironmen are those who complete all 12 President's Challenge projects for 2005. Those who meet the challenge are recognized for their efforts with distinctive IRONMAN name badges.

A green bar in the chart below means that a person has completed the President's Challenge project for the month indicated.

If you missed a challenge in the last three months, it's not too late to get in the game. Bring your make up piece to the April meeting and get credit for participating.

	J	F	M	A	M	J	J	A	S	O	N	D
Bob Bowers	█	█	█									
Tom Donnelly		█										
Lloyd Frisbee	█	█	█									
Rebecca Frisbee	█	█	█									
Jim Gott	█	█										
Herb Green	█											
Rich Johnson	█	█	█									
Harry Levin	█	█	█									
Rick Parfitt	█	█										
Dick Pickering	█	█	█									
Steve Rosenthal		█										
Phil Roybal	█	█	█									
Mike Rude	█	█	█									
Ayman Sayed	█	█	█									
Michael Wiley	█	█	█									

Hey!!

There are only 15 names on this chart, and we have 46 current members. You don't have to be a great turner to join the fun. Make something in our challenge theme and bring it to the next meeting.

Upcoming President's Challenges include:

- April With Bark
- May Spinning Top
- June Craft Item
- July Colored
- August Glue Up
- Sept. With Handle
- October Deliberately Altered
- November Serving (hint...utilitarian)
- December Gift