
Shavings

Providing an environment that fosters the art and craft of woodturning

March 2013



Spring is Near

*The Latest Work by:
Jim Scarsella*

Events Calendar

Next Month Meeting:
April 21, 2013
2:00 PM to 4:00 PM

April 's Meeting:
Mystery Guest
Demonstrating Turning
Something

2013

John Jordon Demo
Saturday, April 27, 2013
A Must See!

The "**Detroit Area Woodturners**" (DAW) is a local chapter of the **American Association of Woodturners (AAW)**. The AAW is an international, not-for-profit organization dedicated to the advancement of the woodturning craft. Our mission is to provide information, education, a meeting place, and an effective organization for all who are interested in turning wood.



<http://www.woodturner.org/>

A Publication of;

DETROIT AREA



WOODTURNERS

<http://www.detroitarea-woodturners.com/>

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In The News

John Jordon Hollow Form Demonstration

John is recognized as one of the premier woodturners in the world. Known primarily for his textured and carved hollow vessels, John will be demonstrating hollow turning, carved and textured surfaces, properties of wood, tool sharpening, and turning techniques.

Update

There is still space available in the all day presentation

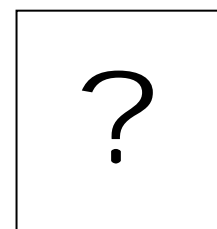
The Saturday presentation will be an all day demo at Shadbush and will include lunch, all for \$35. This is truly a must see presentation.

Please complete the attached form and return at the April meeting.

April Meeting

Our April meeting is scheduled for April 21, 2013 at 2:00 PM.

April will feature a mystery guest as our presenter.



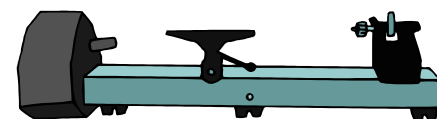
He will be demonstrating turning or carving.

Mystery

demos are always a lot of fun!

More details to follow.

Please plan to attend!



Upcoming Events

Upcoming Events

DAW April meeting

Sunday, April 21, 2013 at 2:00 PM

John Jordon Seminar

Saturday, April 27 - All day demonstration
Shadbrush Nature Center

Sunday, April 28 - Hands on workshop
Ray Frase's studio

Monday, April 29 - Hands on workshop
Ray Frase's studio

DAW May meeting

Sunday, May 19, 2013 at 2:00 PM

Rochester Heritage Days

Saturday, May 25, 2013 at 10:00 AM - 6:00 PM

Sunday, May 26, 2013 at 10:00 AM - 5:00 PM

DAW June meeting "Turnathon"

Sunday, June 2, 2013 at 12:00 PM

DAW "Tool Swap"

Sunday, June 2, 2013 at 12:00 PM to 1:00 PM at the
Turnathon

AAW 2013 Symposium - Tampa

June 28 - 30, 2013

Festival of the Senses

Saturday, Sept. 21, 10:00am-5:00pm

Sunday, Sept. 22, 10:00am-5:00pm

Ohio Valley Woodturner Guild Symposium

October 11-13, 2013

The President's Corner

Your Help is Needed

In attempts to improve our club, we have added a photo booth to improve the

photography of the gallery items brought in for show and tell.

Jack Parmenter has been serving as our photographer and manning the photo booth. Everyone who brings a gallery piece for show and tell needs to take that piece to Jack for the photography. It's impossible for Jack to run back and forth prior to the meeting, so please lend a hand and bring that beautiful wood turning for photography to Jack. Thank you Jack for the quality photography.

Russ Holmes
President



Webmaster

As you all know, our website has been changed to <http://www.detroitareawoodturners.com> with the help of Gary Clay. Thank you Gary for all of your hard work.

Our newsletter has become a big part of our website. Thank you Roger for newsletter.

In order simplify and expedite updates to the website (and based on recommendations from Gary and Roger), Roger Meeker will become our new Webmaster. An example of how the change will help, if you have something for sale, you notify one person and the items for sale will go into both the newsletter and website.

Russ Holmes
President

DAW Meeting, March 17, 2013

Sunday, March 17, 2013



Russ Holmes opens the meeting with a warm welcome to everyone in attendance and also welcomes several visitors. Russ took a moment to welcome our new members and asked them to introduce themselves.

Treasurer's Report

Philip Stevens, our treasurer explained that the AAW has changed the insurance policy, once received by all chapters. Phil went on to explain that our chapter has opted to purchase a much more comprehensive policy through the AAW.

Phil reminded all DAW members are welcome to 5 or 10 business cards to hand out whenever they notice someone's interest in woodturning.

The order for the logo merchandise will be processed after our March meeting.



John Jordon Seminar

Russ explained the DAW plans for the April John



Jordon presentation. The hands-on workshops hosted in Ray Frase's studio in Waterford for both Sunday, April 28 and Monday, April 29 have been filled. The good news was that every DAW member was accepted.

The full day presentation by John Jordon on Saturday, April 27, including lunch will remain open to all interested woodturners, up until the morning of the Jordon demonstration. The cost of this one-day event will be \$35. This presentation/demonstration will be held at The Shadbrush Nature Center.

Upcoming Turn-a-thon

Chuck Labaito reminded everyone of the annual DAW Turn-a-thon on Sunday, June 2, 2013. This event will be held at Shadbrush Nature Center starting at 12:00 PM to 4:00 PM.



DAW Meeting, March 17, 2013

Upcoming Turn-a-thon (cont'd)

Chuck gave us a few of the highlights for this event;

- Turning Demonstrations
- A Group Turning Project
- Tool and Material Swap
- Gallery/Show and Tell
- Great food courtesy of Chef LaRose and Mrs. Holmes
 - Our club is providing hamburgers, hotdogs, soft drinks, potato salad, and coleslaw.

We are encouraging everyone to bring a dish to pass around

This is the time of year we get together to have fun and show off our talents. Please bring your family to this great event.

For more information and to volunteer please contact Chuck Labaito at; log2lumber@gmail.com or 248-535-5035.

Woodturning Smocks

Roger Meeker is organizing the sale of DAW logo smocks, identical to the AAW smocks for \$36. An order form will be attached to this newsletter on **Page 22**. Please bring the order form along with your cash or check to our April meeting.



Raffle

We have another successful raffle with the help of Bella and Joy Lobaito. Also, thank you to all of those who donated items to be raffle.

Greater Rochester Heritage Days Festival

Gary Clay explained our 2013 participation in this annual festival. Explained how our turning demonstrations will encourage new membership



along with a better understanding of wood turning. Additional information can be found on **Page 6**

Birthday Wishes



Dennis Montville



Chet Bisno



The Greater Rochester Heritage Days

This year, the DAW is planning to have a booth at the Rochester Heritage days on Memorial Day weekend, May 25th and 26th. The hours are 10-6 on Saturday and 10-5 Sunday.

The main anchor events during the weekend will be a Rochester Lions Club Car Show, pancake breakfast both days a large art show sponsored by Dinosaur Hill Nature preserve, historical displays from area historical societies, a chill cook-off, and a motorcycle rally sponsored by ABC Harley-Davidson.

Last year over 6,000 people walked through the event, the chili cook-off was delicious, I personally sold over \$800 of my wares, talked to a lot of people, climbed a rock wall and had a great weekend.

The club will have two lathes set up, a small display of our turnings and we will be turning items like small boxes, tops and wands, to hand out to the attendees. This event will also be a membership drive as we hope to spark some interest in turning and joining the club. Ideally, we would like to have 4 members staffing the booth during the event, two turning and two talking to the attendees.

We will not be able to sell wood products at the DAW booth at this event, but I will have a space in my personal booth for DAW participants to display and sell their wares while they are demonstrating.

We understand this is a busy weekend for most people, but we would appreciate a few hours of your time to help promote woodturning in general and our club in particular. If you would like to participate for a few hours anytime during the weekend, or have questions, please e-mail Gary at garyc@wowway.com

Volunteers are still needed to man our booth. We are planning to shifts per day.

Saturday, 9:00 AM to 2:00 PM

Four DAW members have volunteered for this time frame

Saturday, 2:00 PM to 6:00 PM

We need four DAW members

Sunday, 10:00 AM to 2:00 PM

We need four DAW members

Sunday, 2:00 PM to 6:00 PM

We need four DAW members

Please use the form below to sign up for assisting at this event.

Heritage Days Festival sign-up sheet

Festival times:

Print name below:

Saturday, May 25th 9:00 AM to 2:00 PM

Saturday, May 25th 2:00 PM to 6:00 PM

Sunday, May 26th 10:00 AM to 2:00 PM

Sunday, May 26th 2:00 PM to 6:00 PM

Please return this form to Gary Clay;

at the April meeting
via e-mail: garyc@wowway.com
via phone: 248-953-8331

Bud Vases with Greg Smith

Our demonstration on turning bud vases by Greg Smith was packed full of information and enjoyable to watch. Greg explained about sizing the block of wood and drilling a hole to accept a plastic test tube. He then went on to turn the vase, explaining all the necessary steps involved to complete this project. He even brought a device to aid in applying finishes Greg demonstrated a motorized chuck for finishing. Greg brought several samples of which he passed through the crowd.

We have a 19 min. video of Greg turning bud vases. Please click on the link or paste it into your web browser.

<http://youtu.be/oW3fQcpupKA>



To view a 19 min. video of Greg Smith's demonstration on turning bud vases
Click on the link below or copy this link into your web browser.

<http://youtu.be/oW3fQcpupKA>

"Show & Tell"



Matt Haber



John Vekovius

You can find the plans at;
detroitareawoodturners.com/resource



Steve Rohr



Alfred Schembri



Jeff Walters

"Show & Tell" (cont'd)



Paul Neuberger



Tom Bogrette



Jerry Bufalini



Jerry Bufalini



"Show & Tell" (cont'd)



Loel Gnad



Henry Martin

Gary Clay



Dennis Montville

"Show & Tell" (cont'd)



Victor Lewandowski



Jim Scarsella



Ray Frase

"Show & Tell" (cont'd)



Roger Meeker

Russ Holmes wants you for breakfast



There is a breakfast get together
Every Tuesday Morning at 8:00am,
held at the **Avenue Restaurant** on
Woodward Ave at 13 Mile Rd.

All are welcome.

Uncle Russ want you!



Faces in the Crowd

DAW Photographer
Jack Parmenter



Faces in the Crowd



January 1992 Wood Magazine Article

"Grand Turnings" *A much younger Bonnie Klein*

Article Submitted by Jerry Bufalini

GRAND TURNINGS



Bonnie Klein knows woodworking. She grew up on Mercer Island, Washington, her dad a home builder. At his job sites, Bonnie played at hammering and sawing away on scrap lumber. "I would love to have taken woodshop in high school," says Bonnie, "but girls weren't allowed. The closest I could get was mechanical drawing."

"I've always enjoyed working with my hands, even in domestic things," she adds, "such as sewing, and the crafts of weaving and basketry." It was woodturning, though, that eventually held Bonnie's interest. That was about 18 years ago, when her son was in junior high shop class. "I got inspired by watching a Shopsmith demonstration," she recalls. "After that, I tried to find instruction. Back then, that was difficult. I did, however, eventually manage to turn a set of napkin rings—it took me six weeks!"

Today, Bonnie Klein, 48, has produced four videotapes covering her special brand of turning. She also teaches at seminars and workshops, and markets her own lathe and turning tools. At her home in Renton, Washington, we found out what makes Bonnie tick and discovered firsthand the joy of turning tiny items of value.

The sweet smell of burning pine wafts through the room. From the fireplace, the radiating heat warms the shop. Flickers of firelight brighten the tiny objects near the lathe—ivorylike covered boxes, shiny metal goblets, bowls and jars, an assortment of colored tops—Bonnie Klein's trademark turnings.

"I've gained a reputation as a miniature woodturner," says Bonnie, looking up from her lathe. "But I've been trying to step away from that a little bit because the lathe I've designed not only is great for miniatures, but all small-scale turnings—earrings, bracelets, and other jewelry, letter openers, pen bodies, you name it."

She pauses, her eyes aglow with an emerging thought: "No matter what someone turns, woodturning is really therapy. You put a piece of wood on the lathe, then do the shaping, the finishing, and when you take it off, it's done. The lathe stands alone as a tool like that. It appeals to people for the same reason as fast-food restaurants—instant gratification."

Spreading the woodturning gospel

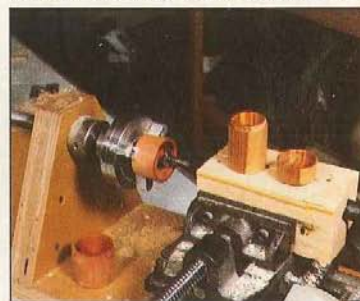
Woodturning may be Bonnie's profession, but her passion lies in the learning, problem-solving process that accompanies it. "I guess I enjoy that as much as the turning. And, I like exposing others to that learning process. Teaching turning excites me," she says.

"Not everyone is cut out to sit in front of a computer for a life-

time," Bonnie continues. "Some people are going to have to make a living with their hands."

At Bonnie's once-a-week session with Tahoma Junior High School's woodturning club, there's at least one dedicated convert to her gospel. "Someday, I'm going to buy a lathe from Bonnie and make a living with it," states 13-year-old Brian Eddy, earnestly. Holding up a tiny goblet and matching bowl done over the last hour, the student adds, "And I'll sell these in lots of gift shops."

Brian's shop teacher, Les Dawson, got acquainted with Bonnie through their local adult woodturning club. And more than a year ago, he asked her to teach woodturning to kids for a few hours each week after school. She, of course, said yes. "Any chance I have to demonstrate to kids, I jump at it," Bonnie comments. "There's so much today geared to mental activity. It's important for



The power source for Bonnie's threading jig is a flexible-shaft carving tool in a wooden mount.

Bonnie worked her lathe magic to produce the two ebony goblets, below, and the Corian mortar.





At Tahoma Junior High's woodturning club, Bonnie assists Daniel Scott Campbell with a touchy cut. Evan Olson, right, looks on, while Brian Eddy focuses on his turning. Under Bonnie's tutelage, students gain confidence in working with their hands.

children to know that they can be creative with their hands, too."

Now, the woodturning club has five of Bonnie's small lathes that the school purchased. And Bonnie brings extras for the session so that all the members can keep busy turning.

During the one-to-two-hour meetings, each one of the 12 young turners tackles a project or two. About half the students are

girls, and they put sharp steel to the turning wood as fearlessly as any boy. "Not surprising today," observes Bonnie.

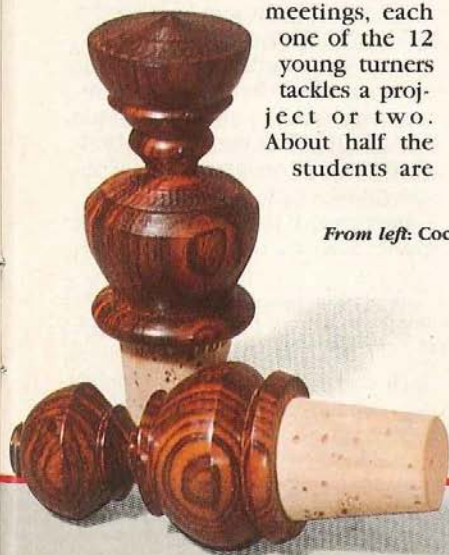
"Even in my adult classes, nearly half the students are women," she states. "Five or six years ago, I didn't know any women turners. Now, there are more all the time. I think small-scale turning appeals to them. It's not so frightening. Women can learn turning in this scale, and because the techniques are the same, they can apply them to the bigger lathe later if they want to go on."

Making it big with small turnings

The miniature-turning bug bit Bonnie about a dozen years ago, when her daughter Amy was interested in 1:12 scale dollhouses. "I acquired all the tools to build a dollhouse and the furniture, and with them, a Dremel lathe," Bonnie remembers. "I learned to turn on it from miniature furniture-maker Noral Olson [see *WOOD*® magazine, December 1987]. And I had a laugh with that little lathe. I really got excited about turning again because I could experiment

Continued

From left: Cocobolo cork toppers, 3¼" overall; maccassar ebony bowl, 2½" diameter; and a cocobolo box, 2½ × 1½".



GRAND TURNINGS



Once she masters her brand-new Lawler ornamental lathe, Bonnie will produce exquisitely decorated turned objects. Bonnie explains the fireplace: "This was designed as a family room, but it made a better shop."

on that smaller scale. I could make mistakes, but they were proportionately less disastrous."

Bonnie grew adept at miniature turning, even to the point of teaching classes. But, she yearned to learn more about other aspects of woodturning. Her search led her to some renowned woodturning gurus, such as Utah's Dale Nish and Australia's Richard Raffin. She also attended seminars, symposiums, and workshops.

While her children were growing up, Bonnie worked as dental technician and co-owner of a dental lab. But when her children went their own way, Bonnie decided to sell her business and try full-time woodturning.

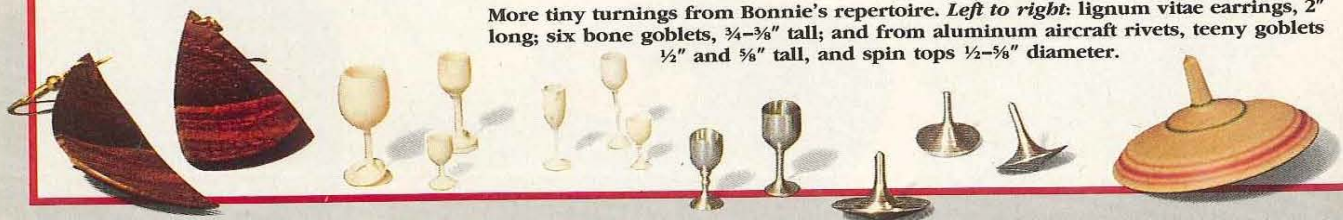
"My living depended on doing small-scale projects—spinning tops, the earrings, the things I could sell wholesale by the dozens to shops and galleries," Bonnie recalls. The photos here and on preceding pages show the vast assortment of small-scale turnings in Bonnie's inventory. "The sales were very important at that time, because I was just beginning to design my own lathe."

On her lathe, aluminum aircraft rivets become ½" tall goblets. Corian, a countertop material, makes a mortar and pestle. Then there are bowls and boxes, corn-cob holders, earrings, acorns, pens, letter openers, bottle stops, and jars made of bone, imitation ivory, and cow horn, as well as all types of wood. "If I can mount it on the headstock, I'll turn it," she says.

Soon to be added to Bonnie's inventory will be intricately ornate items unlike any she's made before. They'll come off her Holtzapffel-type ornamental lathe, shown above.

Purchased for \$10,000 from Lawler Manufacturing in Kansas

More tiny turnings from Bonnie's repertoire. *Left to right:* lignum vitae earrings, 2" long; six bone goblets, ¾–3/8" tall; and from aluminum aircraft rivets, teeny goblets ½" and 3/8" tall, and spin tops ½–3/8" diameter.



A tagua-nut box, *far left*, measures 1¼×1½". Spin tops are from ¾" to 2" diameter.

City, the new design of a Victorian machine features extremely fine adjustments of its two cutter heads. And infinite possibilities.

Turning up the technology

Demonstrations at woodworking shows help Bonnie market her lathe and turning tools, and provide customer insights. "I took a booth at a trade show for industrial arts teachers here in Seattle last year," Bonnie says. "As I was demonstrating, a father and son walked up to the booth. Watching me turn, the father said pointedly to his son, 'This is how it was done before there was technology.' I had to laugh—turning may not be high tech, but my lathe sure beats pedal power!"

And the small-scale lathe she developed more closely meets her needs than the tiny Dremel she once owned. But first, Bonnie graduated to a jeweler's metal-turning lathe with an 18" bed. Yet, that wasn't quite the answer, either. "A metal lathe is difficult because it's hard to reposition the tool rest to get at the wood," she explains. "To solve that problem, I had a friend build a tool rest to fit." Then, she knew that a metal lathe would work.

Following some redesign of the rest and lathe bed, Bonnie's idea eventually became a product. According to Bonnie's figures, about half the people who buy her lathe are first-time turners. Her lathe, priced at about \$350 less electric motor, features an 18" bed for 12" between centers, a swing of 5", and takes a ½-hp or ¼-hp motor.

Of course, you don't necessarily have to own a small lathe to turn small. Says Bonnie, who has turned tiny goblets on a massive, outboard bowl lathe, "Yet, the smaller the project you try to turn on a full-sized lathe, the more problem you have with vibration. It's actually more important to have the tools in scale than the

Written by Peter J. Stephano Photographs: Gary Zeff

Right: A 2¼×1¼" cast-polyester box, an acorn box, a top.

lathe." Accordingly, Bonnie designed turning tools to accompany her lathe—they're sized between full and miniature.

Bonnie always seems to be looking to solve a problem or do something a new way. Her threading jig, designed to put inside and outside threads on covered jars, evolved from curiosity.

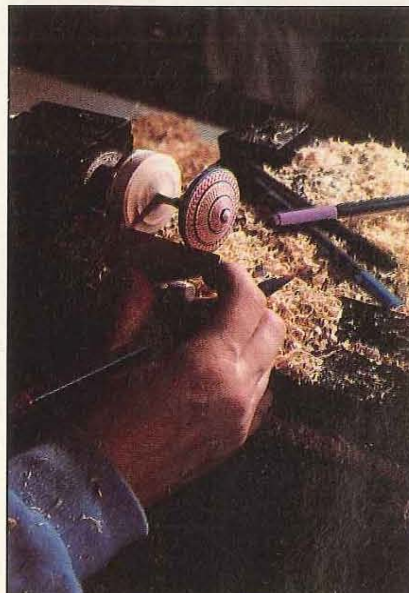
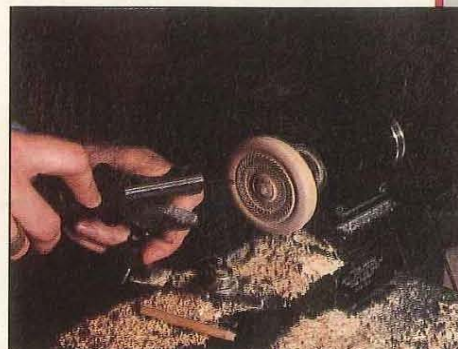
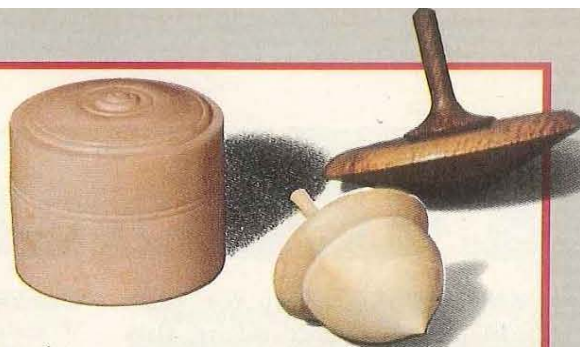
A new twist on invention

"A few years ago, while browsing through an antique store, I saw a little, round wooden jar with a lid that unscrewed, and I wondered how I could make one. After researching and asking questions for a year, I finally came up with this," she says, chucking a finely turned cherry cap into the headstock of the jig. With a miniature cutter fitted into a flexible shaft carving tool, the jig creates inside and outside threads in minutes.

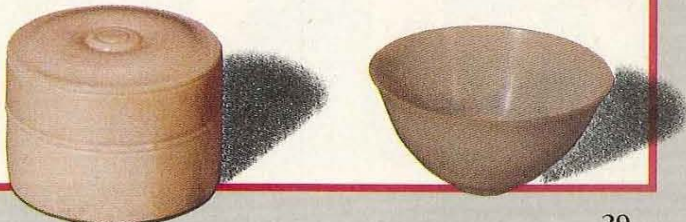
With Bonnie's experimenting, lathe marketing, and seminar teaching, actual turning has taken somewhat of a backseat, a condition she admits. "I don't do enough turning, compared to other activities, but it's important to keep my work out there for the recognition," Bonnie says. "People need to know that I really do produce things once in awhile. But right now, I'm more involved with figuring out *how* to do something, then I'm on to the next challenge." Right on, Bonnie.

Write to Bonnie Klein
For lathe, tool, and video information, write: Klein Designs, 6415 115th Place S.E., Renton, WA 98056. 🌲

Right: A "bovine" ivory (cow bone) box, 1½×1½", and a tagua nut bowl, 1½×1½".



Top: In the lathe, a scrap of maple becomes a finger top. Bonnie decorates the end grain with a chatter tool—its spring-steel bit bounces across the grain producing intricate designs. *Above:* Bonnie adds color to the top with artist's colored pens as it spins.





Shop Visits

A Pictorial Trip to a DAW Member's Workshop
Our fifth trip is to the shop of Gary Clay

By Roger Meeker

Photography by
Jack Parmenter

Gary Clay and his wife Lynne have been married for 40 years. Congratulations to the both of you! They have 2 children, a boy and a girl, both in their mid-30s and 1 grandchild.

Gary retired from General Motors after 32 years of service. During the time Gary worked with GM he also had a side business, a construction company. He built several homes, worked on many renovations, and he did a great deal of cabinetry.



Gary is the problem or of a Nova 1642 lathe. It is



set up in an alcove of his workshop. He keeps most of his turning tools on the wall adjacent to the lathe. Like all of us, Gary has a wide array of tools. If he's anything like myself, it seems that you need to buy five tools and you end up using only one. Everything seems to be well thought out as to its proximity to the lathe and general work area. As you will notice throughout the photographs Gary is about production, more is better, and who can disagree with that.

Gary has a dedicated tool sharpening workstation directly behind lathe.



Directly to the left side of his lathe is a new Rikon 14" band saw, with the capabilities of cutting 12 inches of height. Gary has a dust collection system that is piped through PVC and has separate gates at each piece of machinery.



You can notice and would stacked on the floor directly



under the lathe, they are turning squares.



Directly to the right of the latest there are rough turned bowl blanks that have already been dried. The image below shows the number of Home Depot packing/moving boxes which are filled with wood chips and rough turned bowls beginning the drying process. It's a good method for grain rough turned



bowls, the chip slow down the process and the cardboard allows air infiltration. This corner behind



the lathe shows the start of the PVC pipe system and if you look up you can see an air filtration system exhausting to a different part of the shop.

Like most of us Gary finds a place to store any and all kinds of wood that he may need someday in the

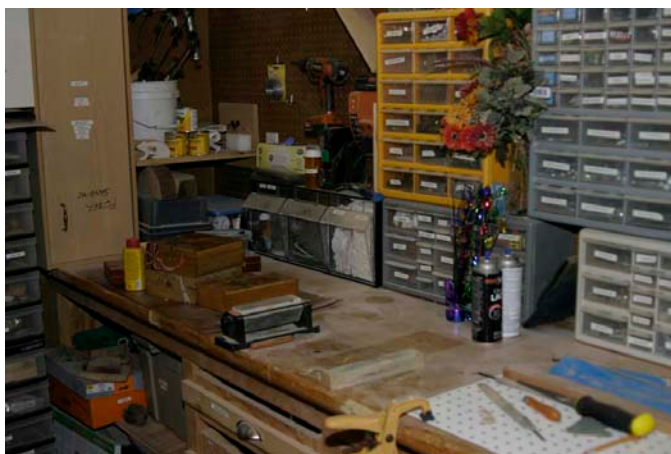


future.

On an opposite wall a workbench and storage area has been installed, nearly the entire length of the shop.



At the far end of that workbench begins a very special area, it belongs to Gary's wife Lynne. She does wood carving, pyrography, and painting.



Together they have a business called; LG WoodWares. They work on separate projects, but sometimes create a collaborative effort.



Vase was turned, burned, and painted.

If you would like to see more of Lynne and Gary's work, you can visit them at;

<http://lgwoodwares.com>



Here is a few pieces of Lynne's work in the image



below has several of Gary's recent work. They have a very organized and functional workshop.

On a personal note, I'm not sure sharing his shop with my wife would be the ideal situation, more power to you Gary!

Watch for the next installment of "**Shop Visits**"!

Turning Smock

NEW & IMPROVED! Our turning smock made of breathable nylon now has black mesh under the arms for improved ventilation. The front has a full length zipper for added convenience. The improved collar has black knit for a better fit. Never lose those small items in the chips again! Keep them out of the way but at your fingertips in the two open hip pockets in the rear. The breast pocket with flap incorporates a pencil/pen hole. DAW logo. NOTE: All Smocks are designed large to fit over existing clothing. For example if you order a "Large" sized smock, it is actually "XL" in size so it will fit you comfortably.



Personally, if you wonder what size, go the next size up.

Our smocks will all be the same, tan in color and with the Detroit Area Woodturners, DAW logo embroidered on the front. The smocks will be available in; small, medium, large, extra large, 2X large, and 3X large.

The cost of the smock is \$36 and must be prepaid prior to ordering.

DAW Smock Order Form

Name: _____

Phone: _____

E-mail: _____

Size requested: Small Medium Large XL 2 XL 3 XL

Method of payment: Cash Check

Must be returned with payment by April 21 meeting or before.

Shop Talk and Tool Tips

SHARPENING LATHE TOOLS V. 1.4

By Jim Rodgers Submitted by Jack Parmenter

1. Purpose of sharpening

- a. Improve cut surface quality
- b. Speed project completion
- c. Ease amount of "work"

2. When to sharpen

- a. When you are pushing harder
- b. Surface quality deteriorates
- c. Vibration increases
- d. Cutting sound changes
- e. The tool is new

3. Overview of sharpening tools with slow speed grinders

a. General considerations

- i. Keep sharpening wheels clean and true
- ii. Use light touch (sharpening not regrinding)
- iii. Tool should not get hot or discolored
- iv. Use continuous motions for continuous edges
- v. Add good light and comfortable grinder height
- vi. Use dusk mask and eye protection
- vii. Learn hand sharpening
 1. Faster for simple tools
 2. Jigs may not fit certain tools
 3. Other's grinder setup may differ from your own

b. Sharpening considerations

- i. On gouges sharpen left/right than blend full tool width (including the tip)
- ii. Look for sparks over the top: the edge is near
- iii. If you can see the edge, there is no edge (no glint)
- iv. Color purple on steel tools = 600 °
 1. HSS tempers at 1000 -1100 °
 2. Mild steel tempers at 300-1050 °
- v. Blunter angle for hard woods
- vi. More acute angle for softer woods

4. Care of slow speed grinders

a. Guards always in place

b. Stable mounting and platforms

c. Dust & masks

d. Selection of wheels

- i. White stones
 1. aluminum Oxide, Al₂O₃
 2. Friable surface – stays sharp
 3. Must be cleaned & re-trued when surface pits or darkens with metal shavings
- ii. Blue stones
 1. Cobalt added
 2. Harder than white stones
- iii. Pink stones
 1. Chromium oxide added for additional hardness
 2. Hardest, requires more pressure to use
 3. Loads most easily and required more frequent cleaning

e. Starting up a new wheel

- i. Testing the stone for soundness (ringing)

1. Remove the wheel from the grinder
 2. Hold the wheel at the center opening only
 3. Rap with a wooden tool handle
 4. A ringing sound indicate a wheel that is mechanically sound
 5. A dull, thud should = discard the wheel
- ii. Running up a new stone
 1. Use off/on starting process for a few seconds
 2. Increase running time to 5 minutes without use

f. Balancing the wheels

- i. During run up, check for vibration
- ii. To minimize, rotate one wheel and recheck
- iii. Commercial wheel balancing systems available

g. Truing the wheel

- i. Star wheel dressers
 1. Leaves wheels too rough
- ii. Diamond "T" tools
 1. Inexpensive, easy to control
 2. Aggressive, dusty
- iii. Diamond single points
 1. Requires more time, skills, control
 2. Some (One Way) allow for accurately truing stone surface
- iv. Sintered truing stones
 1. Cheapest
 2. Breaks easily if dropped

h. On-going wheel dressing

- i. When surface darkens or appears glazed
- ii. Tool heats up during sharpening
- iii. Tool does not sharpen as quickly as normal
- iv. Wheel become grooved or out of round

5. Use of fixtures

a. Why use fixtures

- i. Repeatability
- ii. Speed (?)
- iii. Convention

b. Ellsworth 3/8 gouge fixture

- i. Setup
 1. 4" below wheel center
 2. 7" from wheel face
 3. 2" tool extension
 4. 45 ° angle, fixed

c. One Way Verigrind

- i. Setup
 1. 6.25" below wheel center
 2. 5.5" from wheel face (approximately)
 3. 1.75 – 2.0" tool extension
 4. Angle adjustable

6. Sharpening shearing tools

a. Spindle roughing gouges

- i. Goal
 1. Square edge
 2. 45 ° bevel angle
- ii. Process
 1. Align edge to sharpening wheel face
 2. Square handle to wheel face

3. Rotate tool square to wheel in one direction only

b. Parting tools

i. Goal

1. 30 ° - 50 ° angle

ii. Process

1. Align one face to sharpening wheel
2. Square handle to wheel face
3. Slide tool left to right keeping handle square to wheel
4. Reverse faces and repeat actions
5. Sharpen the same number of strokes on each face to keep the cutting edge in the center of the tool

c. Bedan

i. Goal

1. Angle 15 – 30 ° angle
2. Top face flat and polished

ii. Process

1. Align bottom face to sharpening wheel
2. Square handle to wheel face
3. Slide tool left to right keeping handle square to wheel
4. Hone top face

d. Skews

i. Goal

1. 70 ° of skew (typical)
2. 12.5 ° bevel (soft woods); 20 ° bevel hard woods
3. (Bevel length = 1.5x blade thickness)
4. Edge in center of tool
5. Short point edge rounded, long point edges chamfered
6. Honed edge
7. Roll over corner on long point to reduce possibility of catches

ii. Process

1. Straight edge (traditional) skews
 - a. Align bevel edge with wheel face
 - b. Use platform or fixture to match edge to wheel
 - c. Touch bevel heel to wheel, roll tool upward until bevel touches
 - d. Align cutting edge horizontally with sharpening wheel face
 - e. Slide tool horizontally across wheel face
 - f. Turn tool over and repeat on second face
2. Use the One Way skew sharpening attachment
 - a. Place on v-arm
 - b. Place handle in left most groove
 - c. Align the bevel with the wheel
 - d. Sharpen
 - i. Sharpen parallel edge by gently sliding the tools across the face of the wheel
 - ii. Reverse the handle into the opposite v notch, turning the tools over to the opposite side
 - iii. Complete sharpening on the wheel
3. Radius edge skews (Rafan, Stubbs)
 - a. Profile tool first
 - b. Align cutting edge as above
 - c. Rotate tool always keeping the area in contact with wheel perpendicular to wheel face
 - d. Note: Do not radius area immediately adjacent to long point to allow for more efficient peel cuts
4. Oval skews
 - a. Make a fixture to hold the tool firmly on the sharpening

- platform
- b. Sharpen as above

e. Shallow fluted gouges (spindle gouges)

- i. Goal
 - 1. Bevel angle 30- 40 °
 - 2. Lower angle for beginners
 - 3. Finger nail profile generally preferred
- ii. Sharpening
 - 1. Sharpening fixture
 - a. Set fixture to desired bevel angle
 - b. Adjust arm length to match side bevel
 - c. Sharpen left – right sides
 - d. Sharpen continuously from left over the top and through the right side to blend

f. Deep fluted gouges (bowl gouges)

- i. Fingernail profile
 - 1. Angle is a function of application
 - a. Shallow bowl = 40-45 °
 - b. Deeper bowl = 55 °
 - c. Deepest bowl = 60-65 °
 - 2. Remove bevel heel
- ii. Matching an existing tool angle
 - 1. Adjust jig angle to match tip bevel angle
 - 2. Adjust the fixture arm length to match side bevel angle
 - 3. Readjust jig angle and arm length until both match
 - 4. Sharpen
- iii. Sharpening new tool
 - 1. Set grinder platform horizontal
 - 2. Tool flat on grinder platform, flute facing out
 - 3. Grind desired bevel angle onto tip area opposite the flute side
 - 4. Tool flat, flute facing grinder wheel
 - 5. Grind desired profile
 - 6. Set Fixture to 45 °
 - a. Verigrind jig 5 notches down
 - b. Ellsworth fixture fixed at 45 °
 - 7. Adjust arm length to match bevel angle on tip
 - 8. Grind away flats
 - a. Rock tool while grinding to get convex bevel face
- iv. Traditional grind (no fingernail)
 - 1. 60- 80° for shear cut and finish cut for deep bowls
 - 2. Sharpen like a roughing gouge
 - 3. consider slightly fanning the handle at the end of each sharpening rotation to relieve sharp corner from bevel

7. Scraping tools

a. Scrapers

- i. Goal
 - 1. 70-80 ° angle
 - 2. Burnish +5 °
- ii. Burrs
 - 1. Burr or not?
 - a. Leave on or add for soft wood
 - b. Remove for hard woods
 - 2. Raising a burr
 - a. Hone face of scraper flat
 - b. Grind/sharpen to create scraping edge

- c. Raise burr
- i. Use commercial burnisher
- ii. Use back of bench chisel
- iii. Draw burnisher across edge at 5 ° angle

b. Negative rake scrapers

- i. Done similarly to regular scrapers but with a back bevel added

c. Deep hollowing tools

- i. Treat as scrapers
- ii. Grind carefully, lightly
 - 1. Slightly round over edges for grinder wheel
 - 2. Set grinder platform to match bevel angle
 - 3. Place cutter flat on platform and side horizontally left and right past the edge of the wheel
- iii. Mounted cutters
 - 1. Hand sharpen due to tip size or clearance
 - 2. Use "fine" grade DMT card
 - a. Hone top face flat
 - b. Hone edge to match bevel

d. Specialized scraper, beading tools, captive ring tools etc.

- i. Hone only the top surface of the scraper
- ii. Do not attempt to grind or hone the contoured edge

8. Addendum

a. Tool metal and sharpening

b. Carbon steel

- i. Faster to sharpen
- ii. Doesn't hold edge as long
- iii. In sharpening, sparks break up
- iv. Must be kept cool during sharpening
 - 1. Dunk in water frequently
 - 2. If tool turns blue it must be reground to removed the blued area

c. HSS Tool steel

- i. M2 hardened to Rockwell 60 - 62
 - 1. Most common HSS tool if not marked
- ii. M4, hardener to Rockwell 62-64
 - 1. Edge last 30–50% longer and sharpen reasonably the same as M2
- iii. ASP 2030, Rockwell 65-67
 - 1. Powered metal process
 - 2. Vanadium added
- iv. A-11
 - 1. 10% vanadium 3-5x longer lasting than M2
- v. V-15
 - 1. 15% vanadium, 40% better than A-11
- vi. Other, PRO-PM, powered metal process
 - 1. Powered metal process
 - 2. Imbedded carbide particles

9. Other devices for sharpening

a. High speed grinders with carborundum wheels, not recommended

b. Slow speed grinders with Al₂O₃ wheels

- i. 1750 grinders
- ii. Really slow grinders(Tormak 60 RPM)

c. Belt sanders

d. Bench stones

e. Monocrystalline diamond plates (DMT)

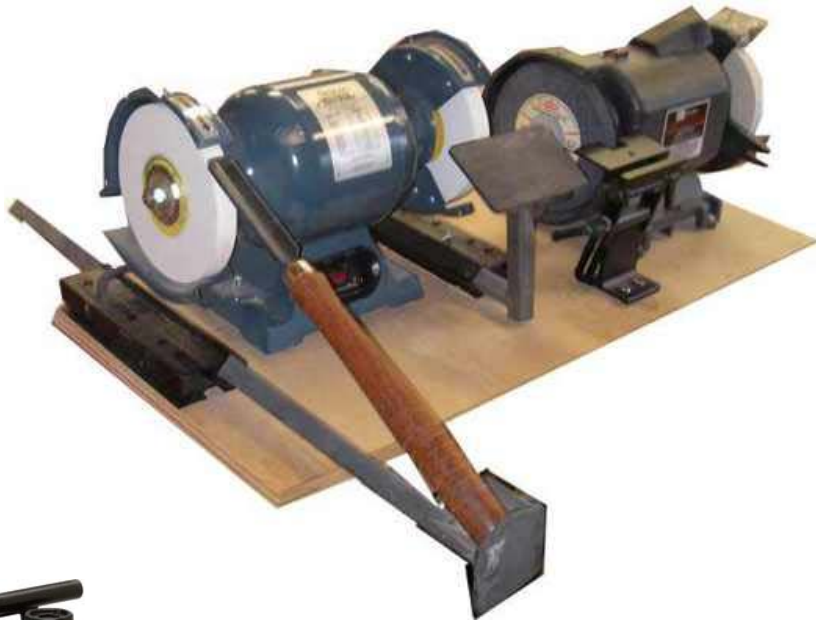
- i. Contact heel and edge on hollow ground tools

f. Hones

- i. Leather hones, MDF, Hard felt wheels
 1. Honing compounds
 - a. ZAM
 - b. Rouge sticks
 2. Honing wheel turns away from cutting edge
- ii. Stones
 1. Medium India, no oil
 2. Flat DMT plates

10. References:

- a. Sharpening, The Complete Guide, J. Kingshott, Guild of Master Craftsmen, 1994
- b. The Complete Guide to Sharpening, Leonard Lee, The Taunton Press, 1995
- c. Woodturning Techniques, Mike Darlow, Fox Chapel Publishing, 2001
- d. Woodturning Notes. Alan Batty, Allan Batty publisher, undated
- e. The Dark Side and the Sweet Side of the Skew, Alan Lacer video
- f. One Way Manufacturing, Verigrind video, © 2003
- g. AAW Video, Fundamentals of Sharpening, Bonnie Klein, John Jordan, Bill Johnston, Alan Lacer, ©2000
- h. Negative Rakes scrapers, American Woodturner, Spring, 2006



Wood of the Month - Osage Orange



Common Name(s): Osage Orange, Horse Apple, Hedge Apple
Scientific Name: *Maclura pomifera*
Distribution: South-central United States
Tree Size: 50-60 ft (15-18 m) tall, 1-2 ft (.3-.6 m) trunk diameter
Average Dried Weight: 54 lbs/ft³ (855 kg/m³)
Specific Gravity (Basic, 12% MC): .76, .86
Janka Hardness: 2,760 lbf (12,280 N)
Modulus of Rupture: 18,650 lbf/in² (128.6 MPa)
Elastic Modulus: 1,689,000 lbf/in² (11.64 GPa)
Crushing Strength: 9,380 lbf/in² (64.7 MPa)*
Shrinkage:
 Volumetric: 9.1%

Color/Appearance: Heartwood is golden to bright yellow, which almost certainly ages to a darker medium brown with time; primarily due to exposure to UV light.

Grain/Texture: Has an even and straight grain with a fine to medium texture.

Endgrain: Ring-porous; large earlywood pores 2-3 pores wide, small latewood pores in clusters and tangential bands; tyloses extremely abundant; growth rings distinct; rays visible without lens; parenchyma vasicentric, aliform, and confluent.

Rot Resistance: Osage Orange is extremely durable and is considered to be one of the most decay resistant woods in North America.

Workability: Working this wood can be difficult due to its hardness and density, though it is reported to have little dulling effect on cutting edges. It turns well, and also takes stains, glues and finishes well.

Allergies/Toxicity: Sap has been reported to cause dermatitis.

Pricing/Availability: Having typically small, crooked, and knotty trunks, Osage Orange isn't usually harvested for lumber, but can occasionally be found for sale in either board or small turning block form. Due to its domesticity and adequate supply, the price should be moderate, though likely to be higher than most other native lumbers on account of its "specialty" status.

Sustainability: This wood species is not listed in the CITES Appendices or on the IUCN Red List of Threatened Species.

Common Uses: Fence posts, dye, archery bows, musical instruments, turnings, and other small specialty wood items.

Comments: Osage Orange has a relatively low modulus of elasticity compared to its weight, (it's somewhat flexible), which would explain why it is sometimes used for archery bows. The wood is also very stable, with little seasonal/environmental movement. One helpful characteristic that can help separate it from lookalikes such as Mulberry or Black Locust (besides being heavier) is that Osage Orange contains a water-soluble yellow dye, so putting shavings into water will turn the water yellow. Osage Orange has been shown in studies to produce more BTUs when burned than any other domestic hardwood, and is accordingly sometimes used as fuelwood.

Scans/Pictures:

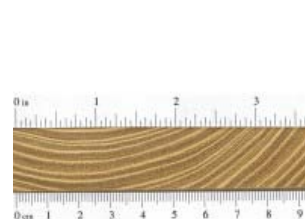
Osage Orange (sanded)



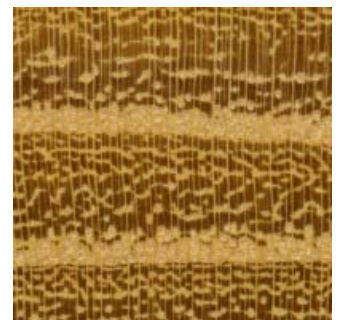
Osage Orange (sealed)



Osage Orange (endgrain)



Osage Orange (endgrain 10x)



John Jordon Sign Up Form

- **Saturday, April 27, 2013** **\$35**
One-day event, presentation/demonstration
The Shadbush Nature Center
Includes lunch
- **Sunday, April 28, 2013 *** **\$135**
One-day lesson workshop
R. J. Fales studio in Waterford
Includes lunch
- **Monday, April 29, 2013 *** **\$135**
One-day lesson workshop
R. J. Fales studio in Waterford
Includes lunch

* Restriction of 6 woodturners per day
A drawing will be held (if necessary) at the March meeting

John Jordon Sign Up Form

Name: _____

Phone number: _____

Email: _____

Saturday, April 27, 2013 **\$35** **Available**

Sunday, April 28, 2013 **\$135**

Monday, April 29, 2013 **\$135**

Check:

Total: \$ _____

Cash:

Space Available for Saturday, April 27, 2013 One-day event, presentation/demonstration
The Shadbush Nature Center Includes lunch

Links - Suppliers

 **Hartville Tool**

<http://www.hartvilletool.com>

800-345-2396

Woodturning Supplies

Craft Supply

<http://www.woodturnerscatalog.com>

800-551-8876

Woodturning Supplies

Packard

<http://www.packardwoodworks.com>

800-683-8876

Woodturning Supplies

 **Klingspor**

<http://www.woodworkingshop.com>

800-228-0000

Abrasives and woodturning supplies

2Sand.com

<http://www.2Sand.com>

877-644-7445

Sanding Supplies

 **Choice Woods**

<http://www.choice-woods.com>

888-895-7779 or 502-637-1190

Wood, Turning Stock, supplies

New

 **Landfill Lumber**

www.landfilllumber.com

586-563-0441

Victor Lewandowski - Wood, Turning Stock

Richard Lauwers

810-724-2263

Kiln dried oak and maple

 **Rockler**

<http://www.rockler.com>

800-279-4441

Woodworking and Hardware

Woodcraft

<http://www.woodcraft.com>

800-225-1153

Woodworking and Hardware

The Sanding Glove

<http://www.thesandingglove.com>

800-995-9328

Sanding Supplies

Log 2 Lumber - Chuck Lobaito

www.log2lumber.com

248-535-5035

log2lumber@gmail.com

Portable Saw Mill

When ordering be sure to inform the store of your Detroit Area Woodturners membership
(Discounts may apply - usually 10% or Club Credit)

Links - Woodturning Information

AAW - National Organization

[American Association of Woodturners](http://www.americanassociationofwoodturners.com)

Detroit Area Woodturners (Shelby Twp, MI)

Web Site: <http://www.detroitareawoodturners.com/>

Grand River Woodturners Guild (Grand Rapids, MI)

Web Site: <http://www.grandriverwoodturners.org>

Arrowmont School of Arts and Crafts

Web Site: <http://www.arrowmont.org/>

John C. Campbell Folk School

Web Site: <http://www.folkschool.org>

Al Stirt: Woodturner, Artist and Teacher

Web Site: <http://www.alstirt.com>

Michigan Association of Woodturners (Holly, MI)

Web Site: <http://www.michiganwoodturner.org>

Blue Water Area Woodturners (Richmond, MI)

Web Site: <http://www.bluewaterareawoodturner.org>

Ohio Valley Woodturners Guild (Cincinnati, OH)

Web Site: <http://www.ovwg.org>

Marc Adams School of Woodworking

Web Site: <http://www.marcadams.com/>

Woodcraft of Sterling Heights (586) 268-1919

Web Site: <http://www.woodcraft.com>

John Jordan Woodturner

Web Site: <http://www.johnjordanwoodturning.com>

Need Your Help

From the Editor

Articles are due at the monthly meeting (for example submit at or before the October meeting for the October Newsletter) and should be submitted to Roger Meeker at rmeeker26@gmail.com .

Member Projects

If you have a woodturning project that you would like to showcase to our club members, you can send me detailed information about your project with pictures.

Articles on New Woodturning Techniques and Tools

If you come across an article, wish to write an article on a new wood turning technique, care to write a review or want to forward on review of a new wood turning tool, please feel free to do so. Any photos will be helpful.

Shop Talk

Everyone has a different way of doing things in their shop and everyone's shop is different in many ways; whether it's size, location, or physical layout you are probably doing something that would be helpful for others to see.

Members Questions & Answers

Members are asked to submit woodturning, finishing and tool questions to our resident experts to answer. There are no dumb questions, someone else in the club may have had the same questions.

Classified Ads

Ads for woodturning and woodworking related items are free to members. Send detailed information with pictures.

Wood to Turn

Do you have wood, need wood or know about wood that is available for turning? Let me know and I'll pass it along

From the Editor, Again

Let's make this newsletter something interesting, if you send it, we'll publish it.

Footnote

If possible, please send a digital file (I don't type very well). Thank you!