



Northwest Corner Woodworkers Association

[NCWA Website](#)

November 2020

Next General Meeting
Tuesday, November 10th
7:00 PM
ZOOM



November Program

Sanding Techniques

Club members and talented craftsmen, **Jerry Couchman** and **George Knutson**, will discuss and demonstrate the sanding techniques each uses in their work.

Jerry will discuss the sanding machines he uses in his shop then get into demos. Demonstrations include flattening a 7' long live edge Maple slab with his Jet drum sander, smoothing dovetail keys and half blind dovetails with his handheld belt sander and showing the process for shaping a curved Pagoda box lid with his oscillating spindle sander, Grizzly belt sanding machine and an orbital hand-held disc sander.

George will describe the process he uses related to typical sanding situations, along with a few of the less common situations. He'll talk about and show a number of the tools and accessories used on a regular basis in his shop, including portable power tools that complement the stationary tools. He'll be sharing lots and tips and tricks.

Please refer to the program notes and sandpaper chart near end of newsletter.

How to Access ZOOM for November 10th Meeting

Thanks to those of you who have been attending the Zoom Meetings . The feedback has been excellent, and building on that momentum, we look forward to another wonderful virtual presentation this month.

Our **November meeting** will be our regular schedule with a short business meeting, including Bring & Brag, followed by the presentation.

Prior to the meeting, **NCWA members are welcomed to login to Zoom beginning at 6:30 PM** to allow some time for those wanting or needing to get familiar with the Zoom format before **the meeting begins at 7:00 PM**.

The invitation to join details were/will be sent to you in a separate email

As a refresher...a couple of tips and/or things to be aware of for Zoom meetings...

At 6:30 PM the Zoom host (King Dahl) will mute everyone's microphones. This will eliminate background noise that can come over your mic inadvertently, even if you are not speaking.

There are two buttons to be aware of at the bottom of your screen - the Participants Button and the Chat Button. Depending on whether you are using a Mac, PC, iPad, iPhone, or other device, the buttons may be in slightly different locations.

Clicking the Participants Button allows you to view a list of all NCWA members that have joined the Zoom meeting. It also allows you to click a button to "Raise your hand" if you'd like to be unmuted to speak or ask a question. Using this "Raise your hand" feature helps avoid confusion and the potential of people talking over each other.

The Chat Button allows you to chat/text to a specific person during the meeting, privately, or you can send a message to everyone in attendance. Anytime during the presentation, if you have a question for the presenter, **Chat it to NCWA Wood (that goes to the host, King Dahl)** and he will forward it to the presenter at the appropriate time. We will do our best to get as many questions answered as possible.

Lastly, if for any reason, your internet drops you from the meeting, re-click the invitation link to re-join. Everyone's internet service is a bit different, with some better than others, so we hope your service will allow a pleasant viewing and participatory experience for you.

We look forward to our Virtual NCWA Monthly Meeting.

King Dahl kingdahl1@gmail.com 702-596-9727

NCWA President's Message

Hello again and welcome to November, 2020. I can't believe that 2020 is almost behind us and I don't know many people who are sad to see it go! Covid-19 continues to rear its ugly head and that has presented lots of problems for lots of people. Fortunately for the NCWA, those problems seem large but really aren't when you think about what so many people have been experiencing.

And we have been very lucky to have such great and innovative Board and Committee members who have more than risen to the occasion and done great work to keep our club viable and active even though we can't meet in person.

I mean, who would have predicted that we would have an NCWA channel on YouTube and that we would have members stepping up to help with sound, audio, and video editing. It has truly been "lights, camera, action!"

I saw one report that said the worst of Covid may occur in December with better conditions as we move into 2021. The Board is continually monitoring the situation but, for now, is assuming we won't have large face to face meetings again until at least the middle of 2021 And it could be longer. And if it turns out to be sooner, we will all welcome that change.

The result is that we are continuing to plan future programs and virtual shop talks well into 2021. We realize this is not as good as the way we used to do it. That sentiment is shared by everyone but we continue to think the NCWA is still a great organization, even if you have to communicate with your woodworking friends in new ways like Zoom and old ways like your telephone!

I sincerely hope you will all hang in there, renew your memberships, and stay involved as we continue to find great programs from inside and outside of NCWA, continue to improve our video productions with new and, we hope, interesting VSTs, and explore new ways of providing educational opportunities in the era of social distancing.

Thanks to everyone that has helped by producing and watching our VSTs and for continuing to help keep NCWA the best and most prestigious woodworking club in which I have had the honor to serve as President *.

Jim

ZOOM MEETING TUESDAY November 10th

Login to ZOOM to join the meeting.



NCWA Libray is OPEN

*OK, this is the only one, but it IS a GREAT club!

Future Events

November 11th
November 17th
December 1st
December 9th

Wednesday
Tuesday
Tuesday
Wednesday

NCWA Board of Directors Meeting
Virtual Shop Talk
NCWA General Meeting
NCWA Board of Directors Meeting

NCWA Library News

NCWA Library Offers Mail-based Service

The NCWA Library started offering a club-subsidized, mail-based service in October. Here's how it works:

We will send out a PDF list of available materials to members, by email, in the first week of each month, but you can request or return items at any time of the month.

Requests:

Email your request for **up to two** items at a time (include your name, mailing address, titles and call numbers) to Richard Gillingham candgachers@yahoo.com. If the items are available, you should receive them by postal mail within about a week. Check-out period is the usual 2 months.

Returns:

When you are done with the item, either mail it back to NCWA, care of Brannon Mucke (ask the post office for "media rate" to save \$), using the included return address label, OR arrange to drop off your items at one of the drop off locations below:

Drop Off Points:

Please coordinate with one of the members, below, prior to drop off.

Arlington: Bill Pierce, 32324 SR9 NE, Arlington 98223 soaringswallowfarm@gmail.com

Bellingham: Steve Wagoner, 619 Bayside Rd. Bellingham 98225 sawagonermd@gmail.com

Ferndale: George Knutson, 2030 McBeath Dr., Everson 98247 gak512@comcast.net

Anacortes: Charley Drake, 5955 Central Ave. Anacortes 98221 chuckanutcharley@gmail.com

Alger: Richard Gillingham, 18927 Routon Lane, Burlington, 98233 candgachers@yahoo.com

Mt. Vernon: Brannon Mucke, 1213 S 12th St., Mt. Vernon, 98274 bmucke@mountvernonchristian.org

That's it. Pretty simple, eh? We will be reinstating overdue notices on all items held over two months. If you get one, simply correspond with Richard and arrange to return the item.

Items will be quarantined, before you receive them, to reduce possible transmission of COVID-19. We will run this service through the end of 2020 and, perhaps, until we resume regular meetings.

The Library is a great resource for members, so we've created a safe and convenient system of access to serve you! Please email library@ncwawood.org if you have any questions.

ANNUAL MEMBERSHIP DUES - 2021

\$35.00 – Annual Dues (no increase for 2021)

Just a reminder – it's time to renew your membership for 2021.

Due to COVID-19 it will not be possible for members to pay their 2021 dues in person. Because of this, members can now renew their membership and pay their dues on-line using PayPal or by mailing a check to the NCWA Treasurer.

1. To pay dues on-line:
 - a. Log on the NCWA web page (<https://www.ncwawood.org/>) and click on one of the PayPal buttons (note: members that do not have an account with PayPal should select the "Debit or Credit Card" button)
 - b. Enter your debit or credit card information (\$35.00 will automatically be charged to your card)
2. To pay dues with a personal check:
 - a. Mail a \$35.00 check (payable to NCWA) to the Club's treasurer:

NCWA
c/o Al Ashley
26220 48th Ave NE
Arlington, WA 98223

Membership cards will be mailed to each renewing member beginning in January.

Some of the many benefits of membership include:

- Monthly membership meetings (currently online – Zoom),
- Virtual Shop Talk meetings (VST) online – Zoom,
- NCWA woodworking classes (pending for 2021),
- Purchase discounts from our vendor support group,
- Monthly newsletter,
- Library books and DVDs,
- Spring & Fall shop tours (pending for 2021),
- Annual joint picnic, BBQ and silent auction,
- Special events (Woodfest, Anacortes Arts Festival, etc.),
- The opportunity to associate with the best group of woodworkers in the Northwest.

More Library News

NCWA Library Needs Your Help

The following 11 items were not accounted for in our recent inventory.

We're hoping some of them went out for circulation and were not correctly recorded as checked out. Please take a look around your house!

| Call Number | Item Title | Author |
|-------------|--|----------------------|
| 03-303 | Hand Applied Finishes | Jewitt, Jeff |
| 04-305 | Doors and Drawers Made Easy | Mertz, Jeff |
| 07-307 | Pick and Prep Lumber for Better Projects | Mertz, Jeff |
| 07-311 | Woodworking Secrets: Tips and Techniques | Heavy, Jim |
| 59-579 | Woodshop Jigs & Fixtures | Guidice, Anthony |
| 63-717 | The Workbench Design Book | Schwarz, Christopher |
| 63-718 | Best Workshops | Fine Woodworking |
| 64-764 | Handsaw Essentials | Schwarz, Christopher |
| 64-769 | Working With Hand Planes | Fine Woodworking |
| 76-930 | Building Doors and Gates | Lacer, Alan |
| 67-940 | Sawmilling for Woodworkers | |

If you have any of these items, please return them to the library using the return process described above under the section: "NCWA Library News".

Thank you. Your NCWA Library Committee

NCWA on YouTube

A new club YouTube Channel has been launched so that our digital Virtual Shop Talks can be accessed easily for club members that missed a VST session, or for repeated watching for reference.

As the pandemic drags on for a few more months making it likely it will be a while before we are able to meet again in person, we will also record the informative presentation portion of our monthly meetings for re-viewing at your leisure.

We understand this does not replace the camaraderie that only face-to-face gatherings provide, but we hope that members find these short presentation films helpful in their quest to further their woodworking skills.

Currently, the first three VSTs have been uploaded, Greg Koenker's "Slab Flattening", which discusses how to build your own shop-made slab flattening jig; and George Knutson's "Track Saw Basics", in which George demonstrates various tips on using the Festool Track Saw. The third VST, Jim Bucknell and George Knutson's "Tips and Techniques with the Festool Domino" will be uploaded shortly.

The YouTube Channel can be accessed by searching Northwest Corner Woodworkers Association on YouTube, or by clicking this link:

<https://www.youtube.com/channel/UCW8KKLC-6628z4rluebSSQ>

Thank you, and happy woodworking

NCWA Sanding Presentation Overview Nov 2020

Types of sanders

- **Stationary**
 - Spindle
 - Edge
 - Disk/Belt
 - Drum
 - Dual Drum
 - Wide Belt
 - Stroke
- **Portable Power**
 - Belt
 - Orbital
 - Random Orbital
 - 2-3mm orbit for finish sanding, with fine grits.
 - 5mm for leveling, flattening, and shaping, with coarse grits
 - Rotary
 - Combination RO and Rotary (like Festool Rotex sanders)
 - Nylon Bristled Wheel Brush
- **Misc**
 - Sleeves/Drums on Drill Press
 - Sanding Mops in Drill Press or Portable Drill
 - Disks in Drill Press or Portable Drill
 - Tadpoles
 - Hand sanding blocks (Preppin Weapon, Veritas wood block, rubber block, etc)
 - Shop made blocks (Cork on wood, various sizes and shapes, dowel, manicure emery boards, Putty Knife)
 - Fold quarter sheets into thirds for hand sanding. Use Vet Wrap (sticky gauze wrap) to prevent abrasion on your fingers!!

Types of abrasive materials

- Belts
- Wraps
- Discs
- Sheets
- Mops
- Foam Blocks
- Emery Boards

Continued:

Grit Types

- Stearated Aluminum Oxide
- Silicon Carbide (wet/dry)
- Garnet
- Alumina Zirconia
- Emery Cloth
- Sandflex blocks
- Nylon Bristle Wheel (Makita, Nyalox, and others)

Dust Issues

- Grit comes loose from paper and causes scratches
 - Use dust collector and hose if possible
 - Downdraft Table
 - Fan across and exhausting out window or door
 - Vacuum* or blow off between grits
 - For the last sanding, before the final coat of finish, use Garnet paper, which is friable. That means it fractures off small portions of the grit as it wears, so it stays sharp. As compared to the tips of AO or SC grit rounding over (dulling) as it wears, or the whole chunk of grit coming loose, which makes it likely to leave noticeable scratches from loose grit floating around.
- Dust build up between paper and workpiece acts as lubricant, not abrasive
 - Use dust collector and hose if possible
 - Downdraft Table
 - Fan across and exhausting out window or door
 - Vacuum with brush attachment (best option) or blow off between grits

Sandpaper Tutorial also attached to your emailed Newsletter
Open McFeely's Sandpaper .pdf

New Virtual Shop Talks coming!

Our **next Virtual Shop Talk (VST)** is scheduled for **Tuesday, November 17th**. The topic will be How to Make a Torsion Box, with Jim Bucknell presenting. As always, there will be time for questions and discussion about the presentation, as well as a chance to chat about general woodworking topics.

Look for a Zoom invitation in your email, a few days prior to the 17th!

We are also preparing to record another new VST, presented by Bill Pierce, entitled, Coarse, Medium, Fine, which will delve into hand tool techniques and woodworking methods, and will also explore some differences between hand and power tool philosophy.

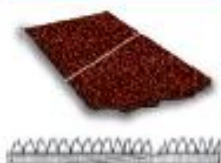
If you have any thoughts on topics we can touch on in future VST's, please email me at gkoenker@gmail.com

Greg Koenker - Educational Committee Chair

Abrasive Grains

All KLINGSPOR coated abrasive products, with the exception of Alumina Zirconia and Ceramic Aluminum Oxide, are graded by grit size using the FEPA or P-grade scale. Some competitive products are graded according to the CAMI (Coated Abrasives Manufacturers Institute) scale. P-graded products are easily identified by a "P" preceding the grit number on the back of the material. The chart on this page compares both scales, along with relative size in inches and microns.

Abrasive Belt Joints



NO.1 Belt ends are overlapped with no grain removed off top of splice. Offers maximum protection against wear in the lap joints. For soft contact wheels, slack of belt operations and paper belts 150 and finer used in wide belt or lever stroke sanding. Standard joint for pump sleeves.



NO.2 Belt ends are overlapped with partial grain removed off top of splice (partial top-skived). Smooth running over platens or hard contact wheels for cloth belts 80 grit or finer. Seen mainly on edge sanders where bull nose or dead head sanding is being done.



NO.3 Similar to Type 4 joint except the two belt ends are cut in an interlocking configuration, or zig-zag. Can be run in either direction. Available in grit size 80 or finer only. Designed specifically for glass grinding operations.



NO.4 "Butt splice", in which belt ends are butted together and joined by high strength tape on underside of joint. Allows belt to run in either direction for greater belt life and convenience. Smooth running. Most popular splice, suitable for a wide variety of applications and belt sizes. Strongest of the non-specialty joints.



NO.6 Belt ends are overlapped with a complete grain removal off top of splice (fully top-skived) and cut at a 45 degree angle minimizing the amount of time the joint is in contact with the workpiece. Used where a high degree of conformability in the joint area is required, such as in mold sanding. For cloth belts only.



T Joints A top skived #4 butt joint used on cloth belts 150 and finer for platen sanding operations on wide belt sanders or in grits 80 and finer on other belt operations where chatter is a problem when using a #4. Not for use on paper belts. Cloth only.

Grit Grading Systems

| FEPA (P-Grade) | CAMI | Finishing Scale | Average Particle Size In Inches | Micron Scale μ | Comparable Grit Symbol (Old Scale) | Steel Wool |
|----------------|------|-----------------|---------------------------------|--------------------|------------------------------------|------------|
| P2000 | 1000 | * | .00042 | 9.5 | * | |
| P1500 | 800 | * | .00051 | 12.3 | * | |
| P1200 | * | A16 | .00060 | 15.3 | * | |
| * | 600 | * | .00062 | 16.0 | * | |
| P1000 | * | * | .00071 | 18.3 | * | |
| * | 500 | * | .00077 | 19.7 | * | |
| * | * | * | .00079 | 20.0 | * | |
| P800 | * | A25 | .00085 | 21.8 | * | |
| * | 400 | A30 | .00092 | 23.6 | 10/0 | |
| * | * | * | .00098 | 25.0 | * | |
| P600 | * | A35 | .00100 | 25.75 | * | |
| * | 360 | * | .00112 | 28.8 | * | |
| * | * | * | .00118 | 30.0 | * | 0000 |
| P500 | * | * | .00121 | 30.2 | * | |
| P400 | * | A45 | .00137 | 35.0 | * | |
| * | 320 | * | .00140 | 36.0 | 9/0 | |
| * | * | * | .00158 | 40.0 | * | |
| P360 | * | * | .00158 | 40.5 | * | |
| * | 280 | * | .00172 | 44.0 | 8/0 | |
| * | * | * | .00177 | 45.0 | * | |
| P320 | * | A60 | .00180 | 46.2 | * | |
| * | * | * | .00197 | 50.0 | * | |
| P280 | * | * | .00204 | 52.5 | * | |
| * | 240 | A65 | .00209 | 53.5 | 7/0 | |
| * | * | * | .00217 | 55.0 | * | 000 |
| P240 | * | A75 | .00228 | 58.5 | * | |
| * | * | * | .00230 | 60.0 | * | |
| P220 | * | A90 | .00254 | 65.0 | * | |
| * | 220 | A85 | .00257 | 66.0 | 6/0 | |
| P180 | 180 | A110 | .00304 | 78.0 | 5/0 | 00 |
| * | 150 | A130 | .00363 | 93.0 | 4/0 | |
| P150 | * | * | .00378 | 97.0 | * | 0 |
| * | 120 | * | .00452 | 116.0 | 3/0 | |
| P120 | * | A160 | .00495 | 127.0 | * | |
| * | 100 | * | .00550 | 141.0 | 2/0 | #1 |
| P100 | * | A200 | .00608 | 156.0 | * | |
| * | 80 | * | .00749 | 192.0 | 0 | |
| P80 | * | * | .00768 | 197.0 | * | #2 |
| P60 | * | * | .01014 | 260.0 | * | #3 |
| * | 60 | * | .01045 | 268.0 | 1/2 | |
| P50 | * | * | .01271 | 326.0 | * | |
| * | 50 | * | .01369 | 351.0 | 1 | |
| P40 | * | * | .01601 | 412.0 | * | #4 |
| * | 40 | * | .01669 | 428.0 | 1-1/2 | |
| P36 | * | * | .02044 | 524.0 | * | |
| * | 36 | * | .02087 | 535.0 | 2 | |
| P30 | * | * | .02426 | 622.0 | * | |
| * | 30 | * | .02488 | 638.0 | 2-1/2 | |
| * | 24 | * | .02789 | 715.0 | 3 | |
| P24 | * | * | .02886 | 740.0 | * | |

KLINGSPOR'S
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"Quality Tools and Supplies for the Woodworker"

24 Hour Toll Free Ordering: **800-228-0000**
 Order Online: **www.woodworkingshop.com**
 Visit one of our North Carolina stores in:
Asheville, Hickory, Winston-Salem or Cary

Vendor Support Groups

NORTH

| | | | | |
|----------------------------|------------------------------|------------|------------------------|--------------|
| Hardware Sales | 2034 James St. | Bellingham | hardwaresales.net | 360-734-6140 |
| Bellingham Millwork Supply | 3879 Hannegan Road | Bellingham | Bellinghammillwork.com | 360-734-5700 |
| Hard Woods To Get | 1405 "E" Street | Bellingham | hardwoodstoget.com | 360-738-9140 |
| Windsor Plywood | 1208 Iowa Street | Bellingham | windsorplywood.com | 360-676-1025 |
| Village Books | 1200 11 th Street | Bellingham | Villagebooks.com | 360-671-2626 |
| Targa Woods | 316 W McLeod, Ste 109 | Bellingham | hardwoodstoget.com | 360-738-9140 |

WEST

| | | | | |
|-----------------|----------------------|-----------|-----------|--------------|
| Sebo's Hardware | 1102 Commercial Ave. | Anacortes | sebos.com | 360-293-4575 |
|-----------------|----------------------|-----------|-----------|--------------|

SOUTH

| | | | | |
|-----------------------|---------------|---------|-------------------------|--------------|
| Martin Lbr/True Value | 2730 Broadway | Everett | martinlumbereverett.com | 425-259-3134 |
| Stormo Hardware | 2730 Broadway | Everett | stormohardwoods.com | 425-359-8042 |

CENTRAL

| | | | | |
|------------------------|----------------------|------------|----------------------|--------------|
| Ekrem Hardware | 237 E Fairhaven | Burlington | ekremhardware.com | 360-755-0040 |
| Karl's Paints | 1515 Freeway Drive | Mt. Vernon | karlspaints.com | 360-336-2855 |
| Mt. Vernon Bldg Center | 815 Roosevelt Way | Mt. Vernon | mvbc-online.com | 360-424-9073 |
| Cedar Creek Lumber | 950 B Fountain St. | Burlington | cclumber.com | 360-757-6343 |
| Sherwin-Williams Paint | 1526 Riverside Drive | Mt. Vernon | sherwin-williams.com | 360-428-3775 |

EAST

| | | | | |
|--------------|---------------------|---------------|--------------|--------------|
| E & E Lumber | 201 W. State Street | Sedro Woolley | eelumber.com | 360-856-0825 |
|--------------|---------------------|---------------|--------------|--------------|

SPECIALTY

| | | | | |
|---------------------|----------------------|---------------|---------------------|--------------|
| Edensaw Woods | 211 Seton Rd. | Port Townsend | edensaw.com | 360-385-7878 |
| FASTCAP | 5016 Pacific Highway | Ferndale | fastcap.com | 888-443-3748 |
| Hartville Tool | website only | | hartvilletool.com | 800-345-2396 |
| Klingspor | website only | | woodworkingshop.com | 800-228-0000 |
| Rockler Woodworking | 832 NE Northgate Way | Seattle | rockler.com | 206-634-3222 |
| Woodworkers Supply | website only | | pro.woodworker.com | 800-645-9292 |

Officers and Chairpersons 2020

| | | | | | |
|-----------------|-----------------|----------------|-----------------|----------------|----------------|
| President | Jim Bucknell | (360) 305-2118 | Programs | Phil Humphries | (360) 752-0082 |
| Past President | George Knutson | (425) 753-4476 | Education | Greg Koenker | (360) 543-7090 |
| Vice President | King Dahl | (702) 596-9727 | Librarian | Bill Pierce | (360) 435-1674 |
| Secretary | Angela Hills | (208) 651-3122 | Newsletter | Jane Wynn | (360) 224-7001 |
| Treasurer | Al Ashley | (360) 474-9711 | Membership | Gary Danilson | (360) 540-5768 |
| Webmaster | Mike Titus | (360) 525-4131 | Toys for Tots | John Braun | (360) 724-3011 |
| Member at Large | Jim Hickey | (360) 297-4349 | Member at Large | Jim Ferguson | (817) 247-1136 |
| Member at Large | Sascha Vandette | (360) 755-3043 | Member at Large | Phil Humphries | (360) 752-0082 |
| Shop Tours | Jim Redding | (206) 307-4553 | Shows | David Vandette | (360) 755-3043 |

The NCWA is open to all interested woodworkers, and was formed to promote high standards in woodworking, woodworking education and showcasing local woodworking. Meetings are generally held on the first Tuesday of each month at 7:00 pm. Location is announced in the newsletter. Dues are \$35 per year, payable to NCWA, 26220 48th Ave NE, Arlington, WA 98223. Newsletter submissions are welcomed and are due the 3rd Saturday of the month. Submit by email to janekirstine@comcast.net with subject line as NCWA Newsletter.