

THE LOG

April / May 2018

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LAKE STATES LUMBER ASSOCIATION

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From the President

It is hard to believe Spring is already here especially when my truck thermometer was reading "0" the other morning. The cold start to Spring has allowed mills in Northern Wisconsin and Michigan to have an ample supply of logs, but now with road limits in place we will see if our log inventories will be large enough to get us through breakup. While we patiently wait for road limits to cease, as they are only a seasonal hurdle, we continue to fight a separate issue that is affecting more than just the timber industry and it seems to be only getting worse and is causing many logistical nightmares throughout the United States — electronic logging devices or ELDs.

ELDs force drivers to adhere to strict DOT driving guidelines for drivable hours, eliminating the ability for a driver to have an "extra" log book. The ELDs are an extra expense for truckers with costs that include an upfront purchase and installation of an ELD as well as a monthly subscription fee. With the implementation of the ELDs, truckers have increased their mileage rates, and some have included hefty overnight surcharges to cover a hotel stay and meals for a haul that now requires an overnight stop. The ELDs are impeding truckers' weekly mileage which has created a nationwide trucking shortage.

ELDs were to be installed in all commercial trucks by December 18th, however some truckers have elected not to install ELDs and have continued to drive. Starting April 1st, 2018, any commercial truck that does not have an ELD installed will be placed out of service. I would not be surprised to see an increase in trucking rates again starting April 1st as I imagine some truckers will simply retire from the industry only to once again reduce the number of trucking options available for shippers.

The impact of ELDs in the lumber industry (as well as other industries) has not only decreased the availability of truckers and caused an increase in shipping rates, the ELDs are also acting as a bottleneck to monthly invoicing opportunities as more and more finished orders continue to sit awaiting pickups. With the increased demand for pickups, truckers are now being more discerning when choosing which loads they want to move and prefer a simple in-and-out move vs a complex pickup. With that being said, the importance of

Continued on page 3



**LAKE STATES LUMBER ASSOCIATION, INC. . .
 PROVIDING LEADERSHIP AND EDUCATION TO ASSURE
 THE SUSTAINABILITY OF OUR FOREST RESOURCES**

**LSLA CALENDAR
 OF EVENTS**

May 30-June 1, 2018
 Hardwood Lumber Grading Short Course
 Antigo, WI

July 25 & 26, 2018
 Annual Golf Outing
 Wisconsin Dells

*Check LSLA's website at WWW.LSLA.COM
 for information on events.*

2018 LSLA BOARD OF DIRECTORS



Back Row (left to right): Jim Maltese (Stella-Jones Corp.), Fred "Butch" Fisher (AJD Forest Products), Dennis "Gus" Gustafson (Besse Forest Products), Gus Welter (Granite Valley Forest Products), Steve Peters (Rockland Flooring), Pete Johnson (AAA Hardwoods).

Front Row (left to right): Larry Krueger (Krueger Lumber), Margaret Minerick (Sagola Hardwoods), Brady Francois (Snowbelt Hardwoods), Rob Paradise (Devereaux Sawmill), Jennifer Lu (WI DATCP), Maryanne Dainsberg (LSLA Admin. Coord.). Photo courtesy of Zach Miller, Miller Publications.

The Log is published bi-monthly by the Lake States Lumber Association, Inc. For address corrections or to contribute news articles, opinion pages, classified ads, or advertising, contact us at:

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HARDWOOD FEDERATION UPDATE

By Dana Lee Cole—Executive Director, Hardwood Federation

2018: A Path Forward

In mid-February, the Hardwood Federation's Board of Directors and Hardwood Federation PAC Board of Directors met for their annual winter meetings in Washington D.C. The Lakes States Lumber Association is well represented on both Boards by Rick Degan of Bennett Hardwoods. Rick brings tremendous insight and industry expertise to the table and is a valuable source of information for both his peers on the Boards and the Hardwood Federation staff.

The Hardwood Federation Boards represent a wide range of industry sectors from across the country. They commit their time, energy and resources to supporting Federation efforts in D.C. and work hard to engage their peers in our efforts as well! The Winter Hardwood Federation Board meeting is a time to refine our policy agenda for the year and to check in with key members of Congress or the Administration on high level policy issues.

This year, the Federation Boards were pleased to welcome White House Director of Legislative Affairs and Assistant to the President Marc Short to the meeting. Marc shared some of the Trump Administration's upcoming policy priorities and took questions on a number of topics from the Board members present. It was a fascinating and enlightening look into the working of the White House and today's political landscape.

The primary agenda item for the Federation winter meeting is to set the direction and priorities of our efforts in Washington for the year. As this is an election year, there is only a short window of opportunity to make meaningful progress on important legislative issues. Board members reviewed 2017 advocacy activity and studied the results of the annual Hardwood Federation Priority Policy Survey before considering the appropriate

course of action for 2018. The ever, and often swiftly, changing world of politics and policy can shift some of this course, but reviewing our issues with industry experts on the Board at the start of every year is a tremendous help to the Hardwood Federation staff and an efficient way to focus efforts to provide the best possible assistance to the hardwood industry.

Continued on next page

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FROM THE PRESIDENT (CONT'D)

having a good relationship with your local truckers is more important than ever.

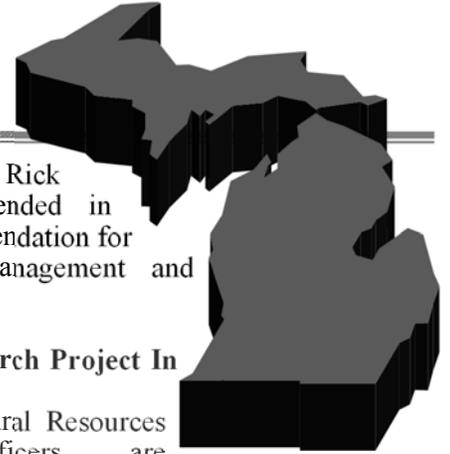
Besides having a good relationship with your local trucking companies, it's also important to make the pickup process for their drivers a simple and smooth process in order to keep drivers content and willing to return to your facility. Simple things such as having the load staged and ready to pick up, having all documentation and paperwork ready, allowing the driver to use your washroom or breakroom, having a Wi-Fi network and password so the driver can use your internet while they are waiting to get loaded, and even having coffee and doughnuts in the office for drivers. Another idea is to offer extended hours

and weekend loading and unloading hours to allow for a flexible schedule for drivers. One other item that we have installed at Snowbelt Hardwoods that helps tremendously is having a scale on site for drivers to ensure loads are not overweight or over-axle. There is no quicker way to lose a trucking company's business than to send one of their trucks down the road only to get a ticket from the DOT for being overweight. Last but certainly not least is treating the drivers with respect and common courtesy, a simple "thank you" and "have a great day," can go a long way.

Brady Francois
Snowbelt Hardwoods
Email: bfrancois@snowbelthardwoods.com

THE MICHIGAN REPORT

By Scott Everett, LSLA Michigan Legislative Consultant



Extra \$175M For Roads Signed Into Law

On March 16 Gov. Rick SNYDER signed a \$175 million budget bill with \$160 million earmarked for immediate road repairs.

EPA's Veto Of Proposed Marquette Co. Road Stands

The Environmental Protection Agency's veto of Marquette County Road Commission's proposal to construct a 21-mile road to transport minerals from a mine will stand. The U.S. Sixth Circuit Court of Appeals empathized with the Road Commission's frustration with *"the long, expensive, burdensome process it is has endured"* to get a permit to build the proposed County Road 595, but the court's opinion noted that the Clean Water Act (CWA) requires it and the administrative process must be "fully completed" before a review is triggered.

UAW Gives Whitmer Its Blessing

(DETROIT) – In March Democratic gubernatorial front-runner Gretchen WHITMER snagged the grand prize of Michigan labor endorsements by earning the backing of the 385,000-member United Autoworkers (UAW), Michigan's largest organized labor group.

Chamber Backs Schuette

In March the Michigan Chamber of Commerce came out in support of Republican gubernatorial frontrunner Bill SCHUETTE.

Senate Spends \$8.1M More On Courts, Wildlife, Agriculture

Senate subcommittees moved Fiscal Year (FY) 2019 spending plans that spend a combined \$8.1 million more

than what Gov. Rick SNYDER recommended in his original recommendation for courts, wildlife management and agriculture.

Theft At Bat Research Project In Dickinson County

Department of Natural Resources conservation officers are investigating a break-in and theft of security cameras and signs from a mine site on private property near the city of Norway where the agency was conducting a bat research project. The old abandoned mine - a small, dead-end horizontal shaft where the ceiling partially collapsed in recent months - was once the annual winter hibernating home to more than 20,000 northern long-eared and big brown bats.

"Today, the number of bats hibernating in this mine has fallen to just a few thousand survivors with the advent of white-nose syndrome," said Bill SULLON, a MDNR Wildlife Division field operations supervisor. "White-nose syndrome is a devastating disease that has killed millions of bats in eastern North America and has significantly impacted Michigan's bat population." Between December and this month, the DNR reports someone broke into the site and stole cameras. "They disturbed the bats, stole some of our cameras and signs, had a bonfire and damaged the gating structure," said Scullon. ♦

HARDWOOD FEDERATION (CONT'D)

In 2018, the top industry issues identified by the survey were Log Exports to China, Regulatory Reform, Federal Forest Management and Tax Reform. Issues closely behind those above were Funding Government Programs that Enhance Exports, Biomass, Innovative Wood Products, and Trade. While most of these are not new topics for the Federation, the issue of log exports to China has quickly emerged over the last months and is clearly at the top of mind for many in the industry. The Federation is considering all sides of the issue and researching what authority the federal government has regarding this issue. We are also closely monitoring recent moves the Trump Administration has taken regarding international trade and what impacts these actions may have on the situation. The direction to take regarding the above issues is much clearer and we remained focused on achieving long held goals while navigating the ever changing political waters of D.C.

2018 may be a short legislative year, but it will be a busy one. Congress will continue to hear from us why it is important that the right decisions are made when considering reform measures in these areas...and why the wrong decisions can devastate our industry. We welcome everyone invested in the industry to join us in our efforts. Please be on the lookout for information regarding the Hardwood Federation September Board Meeting in Washington, D.C. which also includes a day of visits to Capitol Hill. This year's event will take place September 11-13. The Lake States have always had a strong representation at the Fly-In, and we hope to see the same level of participation in this year's event as well! Thank you to the Lake States Lumber Association for their incredible membership and staff assistance for their past, present and future support! ♦

THE WISCONSIN REPORT

By Gunnar Bergersen, LSLA Wisconsin Legislative Consultant

Truck Platoon Senate Bill 695 Ready for Governor's Signature

Currently under Wisconsin law, trucks over 10,000 pounds are required to stay 500 feet behind vehicle in front to allow room for overtaking vehicles. In Europe a technology has been in use where trucks travel in close formation to reduce drag and save on fuel. The trucks communicate electronically to coordinate speed and braking. Companies like Volvo and Daimler want to amend tailgating laws in the states to create an exception to the large trucks traveling in "platoons". A "platoon" under SB 695 is a group of trucks traveling in a unified manner at electronically coordinated speeds.

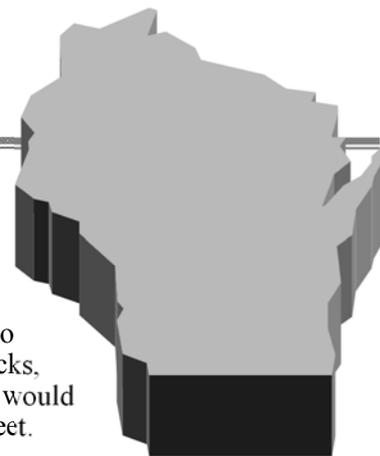
Near the end of this legislative session Senate Bill 695 was fast tracked through the legislative process at the request of heavy truck manufacturers which want to market the technology in the United States. The bill quickly cleared both houses and is now on the Governor's desk to be signed into law.

Platooning uses a relatively low level of automation. The driver of the lead truck is in control, and the other trucks in the convoy follow automatically. For instance, if the driver of the lead truck hits the brakes, the other trucks will brake automatically. The rearmost truck in a platoon will have the stronger brakes. The drivers of the following trucks can disengage the system at any time.

The distance between platooning trucks is usually about 50 feet. The American Trucking Associations recommends maintaining a gap of two to three seconds between trucks, which at 55 miles an hour would be between 160 and 240 feet.

Platooning technology saves the first truck 4.5 percent on fuel and 10 percent for the second truck. According to government figures, the U.S. truck industry spends about \$140 billion annually on fuel.

The companies will use only two-truck platoons initially to get the public used to seeing trucks in a tight formation. Motorists will have to learn to plan ahead when exiting highways with platoons. ♦



Need more issues of *The Log*? Send extra copies to other people or divisions within your company for only \$50/year. It's the best way to ensure everyone is up on LSLA news. Contact us at 920-884-0409 or email at lsla@lsla.com.



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LSLA EDUCATION UPDATE

HARDWOOD LUMBER GRADING SHORT COURSE MAY 30—JUNE 1; ANTIGO, WI

LSLA Education will be offering a Hardwood Lumber Grading Short Course on May 30—June 1. The Course will be held in Antigo, WI at Northcentral Technical College's Wood Technology Center. This class will be ideal for sawyers, edgemen, trimmers, grading trainees, sales people, managers and supervisors.

Topics to be covered include:

- Hardwood Lumber Grading: A Language
- Clear vs. Sound Cuttings
- Surface Measure / Cutting Unit Method
- Wood Characteristics vs. Defects
- Surface Measure Exercise
- Hardwood Lumber Manufacturing Standards
- NHLA Standard Grades
- Defect Limitations
- Understanding Wood Structure
- Species Exceptions / Color Sorts
- Kiln Dried Lumber
- Hands-on Lumber Grading

The course is \$200 for LSLA members and \$300 for non-members and is limited to the first 35 participants. Complete information, as well as online registration, is found on our website at www.lsla.com. Deadline for registering is May 23. ♦



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MEET OUR MEMBERS

LAUFER GROUP INTERNATIONAL

9701 W. Higgins Road, Suite # 840
Rosemont, IL 60018
Website: www.laufer.com

Laufer Group International is one of our newer members who joined LSLA in 2017, and is an International Freight Forwarder & NVOCC, offering international export and import services. Laufer has been in business for 70 years, and is a family owned business and medium size Freight Forwarder. Their export focus is servicing their Hardwood Exporters (lumber, logs, hardwood flooring). Forest Products is the number one export product Laufer exports (over ten thousand 40' containers per year). One interesting fact about Laufer is that the average tenure/experience of the local Laufer staff person handling hardwood exports is 22 years.

Laufer is represented within LSLA by Pat Boyle, who can be reached at 630-757-6655, or pboyle@laufer.com. Visit Laufer's website at www.laufer.com for more information about this LSLA member. ♦



Meet Our Members is offered to all LSLA members. If you would like your company featured in an issue of *The Log*, please email to us the article, including the name of your company, address, type of business, product manufactured, years in business, and other information that your fellow members will find interesting. If you have a picture you would like included, please email along with the article to lsla@lsla.com.

MACDONALD AND OWEN LUMBER COMPANY

Sparta—1900 Riley Road Sparta, WI 54656
Brookville—11424 Route 36 Brookville, PA
Bowling Green—351 Scotty's Way Bowling Green, KY 42101
Luck—230 Duncan Street Luck, WI 54853
Website: www.hardwoodlumber.net

MacDonald and Owen Lumber Company has been producing Hardwood KD Lumber for 50 years. In 1968, MacDonald and Owen Veneer & Lumber Co., Inc was founded by Archie MacDonald with the intention of being different than other lumber companies he would be competing with. High-quality and unbelievable service were foundational concepts that Archie built his company upon and these are ideals that still drive MacDonald and Owen today. "Profits will come if you just do it right" is a quote that still rings in the hearts of MacDonald and Owen employees.

In 2001, leadership of MacDonald and Owen was fully turned over from Archie MacDonald to its current owner, David Twite. Since David's take over, MacDonald and Owen has seen monumental growth and change with the purchase of a concentration yard in Central Pennsylvania in 2010, the 2014 addition of a concentration yard in Bowling Green, KY and most recently, in 2015, the newest concentration yard in Luck, WI. Export sales continued to climb in 2017, and because of this, we're forecasting even more growth for 2018 in our Export divisions.

Despite much change and rapid growth, MacDonald & Owen has maintained its early ideals. High-quality lumber delivered with unbelievable service is what makes MacDonald & Owen capable of consistently delivering "Hardwoods Done Right." This month, we are celebrating our recognition by INC Magazine as one of the fastest growing privately-held companies in the U.S. for the SIXTH time. MacDonald & Owen Lumber Company has seen growth in market share and sales volume year after year for nearly a decade. This growth, at times, can be hectic and challenging. But, an honor like the INC 5000 list makes it all worthwhile. To be named one of the top 5000 fastest growing companies in 2017 is quite an accomplishment and one that we are celebrating whole-heartedly. ♦



Clint West (l) – Director of Business Development and David Twite (r) – President/Owner of MacDonald and Owen

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OSHA'S TOP CITATIONS FOR THE LUMBER INDUSTRY

By Scott Shaver—R&R Insurance and Member of LSLA Education Board

Each year, OSHA publishes a list of the most frequently cited OSHA standards. The list doesn't change a whole lot from year to year, but it's worth revisiting periodically. In the world of risk management, it's important to know and understand the items on this list so that you are 1) keeping your workforce as safe as possible, and 2) preparing for any sort of OSHA inspection. Here is the 2017 list as it pertains to the lumber industry:

1. Lockout/Tagout
2. Woodworking Machinery Requirements (Guarding)
3. Powered Industrial Trucks
4. Hazard Communication
5. General Requirements for All Machines (Guarding)
6. Mechanical Power-Transmission Apparatus (Guarding)
7. Occupational Noise Exposure
8. Wiring Methods, Components and Equipment
9. General Requirements (Electrical)

Do you have updated programs addressing these standards? Are you prepared for an inspection? Do you understand the cost of not being prepared? If you would like some assistance with benchmarking your programs, always feel free to reach out to me. ♦

NATIONAL FORESTS UPDATE

By Dick Krawze—Pine River Lumber

On March 12th I attended a Roundtable Video Conference of Region Nine of the U.S. Forest Service at the U.S.F.S. headquarters in Rhinelander, Wisconsin. This Video Conference included all the 15 National Forests within the Eastern Region. These Video Conferences are being held through out the Nation, and the focus is Environmental Analysis and Decision Making (EADM). The Region Nine Conference started at 8:30 A.M. and adjourned at 4:00 P.M.

The goal of the EADM change effort is to increase the health, diversity, resilience and productivity of our National Forests. The goal is to reduce costs by 20%. The Forest Service is spending more than one million dollars per day on environmental analysis. The cost and the disruption to our National Forests is staggering, while at the same time lining the pockets of lawyers and law firms throughout the Nation and hamstringing our Industry with shortages of Raw Material.

I have been a Proponent of Endangered Species Act (ESA) and National Environmental Policy Act (NEPA) reform for over 20 years and it must happen if we are going to properly manage our National Forests.

Maybe this is a start in the right direction. The political winds seem to be right for major improvements in the management of our National Forests.

Recently the USDA-Forest Service released a list of National Priorities which are:

1. Uplifting and empowering our employees through a respectful, safe working environment.

2. Being good neighbors and providing excellent customer service.
3. Promoting shared stewardship by increasing partnerships and volunteerism.
4. Improving the condition of the forests and grasslands.
5. Enhancing recreation opportunities, improving access, and sustaining infrastructure.

Let's hope this is not just another smoke screen. Instead let's hope good things begin to happen. I personally am mildly optimistic. As most of you have heard me say on multiple occasions, stay in touch on a weekly basis with your Congressmen and Congresswomen and Senators at the State and Federal level. Also, continue to support the LSLA and the Hardwood Federation. Trust me, it makes a difference. ♦

2018 BUYERS GUIDES

There are still copies of the 2018 Buyers Guide available. The 2018 Buyers Guides were mailed out in early March to each company who paid membership dues for 2018. If your company would like additional copies, they are available for \$10 each (member price). Non-members may purchase a copy for \$25. Contact the LSLA office if you are interested (920-884-0409 or email us at lsla@lsla.com). ♦

LSLA Member News: *Where members of Lake States Lumber Association share news and updates with their fellow members*

U-C Coatings Expands in Pacific Northwest

Buffalo, NY – U-C Coatings, LLC, a leading manufacturer of wood protection products, announced it is expanding operations in the Pacific Northwest through the hiring of a regional sales representative and the opening of a new warehouse.

Warren Endlich joins the U-C Coatings team with 25 years of experience in the coatings industry, and he is a



Veteran of the United States Army. Warren will be responsible for expanding the company's presence in the region and cultivating new business in the hardwood and softwood markets. His territory includes California, Nevada, Oregon, Washington, Idaho, Wyoming, Montana, British Columbia, Canada and Alberta, Canada.

In addition to hiring a regional sales representative, U-C Coatings has opened a new warehouse in the Portland, OR area. This warehouse will allow the company to better serve its growing customer base in the Pacific Northwest, as well as stock a greater variety of its products, including Anchorseal® end sealer, Gempaint® branding paint and Bates® glue release product lines.

U-C Coatings' products are used by both local hardwood and softwood producers to prevent end checking, identify lumber species and manufacture furniture and architectural millwork. By using these products, customers experience greater yields, resulting in more profit and less waste.

About U-C Coatings, LLC

U-C Coatings, LLC is a Buffalo-based manufacturer of premium wood protection products, including Anchorseal®, Gempaint®, LogSavers® and SEAL-ONCE®. U-C Coatings is a leading supplier in the logging, lumber and woodworking industries, where its products help its customers achieve higher yields and less waste. For more information, visit www.uccoatings.com. ♦

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GOT MEMBER NEWS?

If you are a member of LSLA and your company has news to share, we have the space for it! Significant personnel changes, new products, business expansion or relocation, or any other notable developments with your business — here is where you can make an announcement. Send us the information or press release, along with any photos you may want to accompany the article, and we'll do our best to include it in *The Log*. It's a great way to let your fellow LSLA members know what's happening. Contact us at lsla@lsla.com or 920-884-0409.



Come work with LSLA to promote and improve the Wood Industry! Become a member and enjoy the benefits of networking, publicity, and educational opportunities.

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FORESTS CHANGE

By Scott Bowe—Professor of Wood Products and Director of the University of Wisconsin-Madison's Kemp Natural Resources Station

I have had the opportunity to speak with many people about the importance of forests and the multitude of products that come from our forests. One common misperception held by many is that forests stay the same. This is understandable since forests change slowly over many years and the casual observer may not see the change. I have also explained to people that forests can be conserved, they can be managed and improved, but they can't be preserved. This last statement is met with disbelief, but preservation implies no change, and that is impossible with forests, because they always change. Even if a forestland owner chooses not to manage their forest, change will move forward within.

One of the main drivers of forest change is called *forest succession*. Forest succession is the natural replacement of plant species in an area over time. For example, let's consider an abandoned farm field in northern Wisconsin. This was a common occurrence back in the 1940s and 1950s when many farmers concluded that the climate and short growing season made farming in the north difficult. Forests that were once cleared and stumped for farm fields transitioned back into forests through forest succession.

Before we get too far into forest succession, I should mention that all tree species are not created equal when it comes to their ability to tolerate shade. *Tolerance* is a term that foresters use to indicate a tree's capacity to develop and grow in the shade of and in competition with other trees. Some tree species, such as sugar maple and balsam fir, can successfully grow in very shaded conditions. I often joke that sugar maple can grow in the dark, but it is not too far from reality. Sugar maple seedlings can grow under the full shade of a mature forest canopy. Other species, such as aspen and jack pine, need full sunlight for growth and development. We categorize tree species tolerance to shade as very tolerant (sugar maple), tolerant (basswood), intermediate (red oak), intolerant (paper birch), and very intolerant (aspen).

Back to forest succession, the first plant community to move into these abandoned farm fields are the *grasses, forbs, and shrubs* stage. This plant community transitions into the *shrubs and seedlings* stage where trees initially share, then begin to dominate the site. Trees eventually overtop and out-compete the forbs and shrubs. The intolerant trees continue rapid height growth while the tolerant trees occupy their respective niche in the *sapling/pole* stage.

The next stage in forest succession is called a *young stand* stage. Growth is rapid and tree-to-tree competition may be severe resulting in competition caused mortality. Any

intolerant individuals that drop behind may die and their growing space may be occupied by tolerant trees. As we move into a *mature* stand, competition caused mortality continues. Both intolerant and tolerant trees may share the main canopy. Finally, the last plant community of forest succession is called the *climax* stage, which has a relatively stable plant community with a dominant plant population suited to the environment. Tolerant species dominate the site and the climax species will reproduce successfully under their own shade. Intolerant trees cannot reproduce under the shaded conditions of the mature canopy. However, it is important to note that even in a climax stand, the forest continues to change. Individual trees die and the gap created is quickly occupied by other tolerant species waiting for the gap and sunlight.

As the plant communities change during forest succession, the stand structure also changes. These changes are often described in four stages including stage 1: stand re-initiation, stage 2: stem exclusion, stage 3: understory re-initiation, and stage 4: old-growth. Under each of these stages, intolerant tree species are replaced by tolerant tree species. Anyone who has walked through the same aspen stand over time has seen one or more of these stand structural stages.

The rate of natural forest succession is affected whenever a *disturbance* such as fire, a windstorm, pests, or management activities occurs on the site. The more severe the disturbance, or the more often disturbances occur, the more slowly natural forest succession moves forward. Each disturbance can push back succession to an earlier stage. For example, after a major disturbance, pioneer species such as aspen or jack pine will become established in open areas under full sunlight. Eventually, in the absence of further disturbance, these pioneer species will be replaced by other species that will occupy the site through the successional stages, leading to a plant community of climax species, like the northern hardwood stands in Wisconsin.

Understanding forest succession, how forests change, is very important when we make forest management prescriptions. In most cases, it is easier to work with the natural progression of forest success than to work against it. This is where tools like the *Field Guide for Forest Habitat Types of Northern Wisconsin* written by John Kotar can be very helpful. The climax forest type will be dictated by soil type, moisture availability, and other factors. If you are hoping to regenerate certain species naturally following a harvest, it is important to know what species would naturally occupy the site, and what type of

Continued on next page

WHERE IS DAVID BRADLEY?

David Bradley seems to be thoroughly enjoying his time with Menzner Lumber. He has been able to get outside into the great outdoors and do things that chainsaws like to do. Here we see David B as he is assisting Nick Bunkelman of Menzner Lumber with the annual collection of maple syrup. Think we can persuade him to give us a sample?



FORESTS CHANGE (CONT'D)

harvest will generate the desired conditions for stand establishment.

Another common misperception is that an old growth climax forest is the best forest. It certainly has its place, but plant and animal communities need forests across all stages of forest succession to be successful. Pioneer tree species, like aspen, cannot exist in the shade of a climax forest. Animals, like the ruffed grouse and yellow winged

warbler, need early successional forest to survive and thrive.

Forests change. It is natural and the process continues all around us. It seems to me that the best forest is a range of forests across all stages of forest succession, and the management designed and implemented by forestry professionals will keep our forests growing, healthy, and sustainable. ♦



Become an LSLA Member— Enroll Today!

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