Spotlight on Sawmill Technology
Stockton Hit by Another Major Fire
Unit Load Short Course Announced
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North American Softwood Prices
Softwood prices listed as of May 15, 2019, courtesy of NRCAN.

Residential Construction Update
U.S. housing start information for April 2019.

Diesel Fuel Update

Pallet Company Faces $188K OSHA Fine
The Wisconsin operation was found to be a repeat offender for workplace dust exposure.
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Cover Story:
Spotlight on Sawmill Technology

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North American Softwood Prices

Weekly softwood lumber prices to May 15, 2019 are shown below, sourced at http://www.nrcan.gc.ca/forests/industry/13309.

The Membership Drive Is On!

This year's membership drive is now underway, and as always, the competition will be intense.

In addition to valuable cash prizes, the winner now also receives the membership plaque, presented at the Annual Meeting. With the highly successful 2019 Annual Meeting now in the books, it is time to work toward 2020.

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New members can join and pay on the website. Here is the link: www.westernpallet.org
This year’s membership drive is already in motion.

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Sustainable Forestry Initiative
The U.S. Census Bureau and the U.S. Department of Housing and Urban Development jointly announced the following new residential construction statistics for April 2019.

**Building Permits**
Privately-owned housing building permits in April were at a seasonally adjusted annual rate of 1,296,000. This number is 0.6% above the revised March rate but 5% below the April 2018 rate.

**Housing Starts**
Privately-owned housing starts in April were at a seasonally adjusted annual rate of 1,235,000. This number is 5.7% above the revised March rate but 2.5% below the April 2018 rate.

**Housing Completions**
Privately-owned housing completions in April were at a seasonally adjusted annual rate of 1,312,000. This number is 1.4% below the revised March estimate of 1,331,000, but is 5.5% above the April 2018 rate.

To read the detailed report, visit www.census.gov.

**Existing Home Sales**
Meanwhile, home sales saw a minor decline in April, continuing March’s drop in sales, according to the National Association of Realtors®. Two of the four major U.S. regions saw a slight dip in sales, while the West saw growth and the Midwest essentially bore no changes last month.

Cont'd on Page 12)
Housing Activity (Cont'd from Page 11)
Total existing home sales, completed transactions that include single-family homes, townhomes, condominiums and co-ops, fell 0.4% from March to a seasonally adjusted annual rate of 5.19 million in April. Total sales are down 4.4% from a year ago (5.43 million in April 2018).

Lawrence Yun, NAR’s chief economist, said he is not overly concerned about the 0.4% dip in sales and expects moderate growth very soon. “First, we are seeing historically low mortgage rates combined with a pent-up demand to buy, so buyers will look to take advantage of these conditions,” he said. “Also, job creation is improving, causing wage growth to align with home price growth, which helps affordability and will help spur more home sales.”
Pallet Manufacturer Faces Penalty of $188,000 After Follow-Up Inspection Showed Continued Dust Hazard

This recent case underscores the importance of responding to deficiencies identified in health and safety inspections. U.S. OSHA has again cited Avid Pallet Services LLC after a follow-up inspection found employees continued to be exposed to wood dust. The Wisconsin company now faces penalties of $188,302 for repeated, serious, and other-than-serious violations.

Inspectors say the company failed to implement sufficient engineering controls to limit dust exposure, as well as train employees on the health hazards of wood dust. The company had been cited for the same hazards in 2016. Additional citations were issued after the follow-up inspection for failing to evaluate respiratory hazards, medically evaluate and fit test employees using respirators, inform employees of their right to see exposure records, and use adequate machine guarding on band saws.

“Employers are legally required to ensure that exposures to dust are properly evaluated and managed to protect employees from potential health hazards,” said an OSHA spokesperson. The company had 15 business days from receipt of the citations and penalties to comply, request an informal conference with OSHA’s area director, or contest the findings before the independent Occupational Safety and Health Review Commission.

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Another major pallet plant fire has taken place in Stockton, California. It is the second pallet operation fire, and the third major blaze in three weeks. The other business to burn was a paper recycling facility.

The fire took place at Central Pallets. The fire took out electrical power supply to the area for about four hours.

Investigators were trying to determine if there was a connection between the fires.

“I’m not aware of any correlation, but they will look into all the fires; we have just to make sure there’s not a pattern or something like that,” Chief Shannon Lewis told CBS13 Stockton.

On April 23, California Pallets, another Stockton company, was also struck by fire. At one point it knocked out power to more than 15,000 Pacific Gas & Electric Co. customers.
Congratulations to CHEP Canada, recently named as Best Performance North America in the EcoVadis Sustainability Awards 2019. EcoVadis is a 3rd party collaborative platform that allows companies to rate their environmental and social performance.
Spotlight on Sawmill Technology

By Jacob Shriner, Northwest Hardwoods

We take pride in our implementation of modern technology at Northwest Hardwoods. It’s not just about cutting costs. Our technologically-based systems allow us to minimize waste, increase employee safety, ensure the consistent quality of our products, and improve the overall customer experience.

The lumber industry isn’t exactly new. Its significant history in the United States dates to the founding of the original colonies in the early 17th century. Since then, lumber workers have sought ways to maximize yield and minimize risk and waste.

“It all starts in the log yard,” says Steve Baker, Manufacturing Manager at the Marienville, PA facility. Each arriving log is individually catalogued with a handheld computer scanner, he explains, in order to later generate reports concerning “where the logs come from, the profitability of a particular tract of timber, [and] the species mixes that are on site.” This technology improves the efficiency of the log scalers and allows for a better understanding of what is entering the mill.

But the technological advancements go beyond simply cataloging and report generation. In nearly all Northwest Hardwoods mills the next major innovation lies at the head rig where logs are squared and cut into boards. At this stage, the machine scans and measures the shape of the logs to determine the depth for the opening face and automatically brings each log into optimal position. Ensuring this first cut is neither too shallow nor too deep is “critical” to maximizing yield, explains Baker, and “the more un-uniform the log is, the more valuable that tool is.”
The Marien facility, which was built in 2000 with the scanning technologies, is “in the top 20%… industry-wide” as far as its technological use, estimates Baker, who notes that “there are a lot of smaller mills that do everything in a very old-fashioned, very manually-oriented way, with almost no technology.”

But in today’s competitive market, Baker thinks this technology is more than just helpful, it’s “almost mandatory.” Without the headrig scanner, for instance, he says, “we wouldn’t be able to compete when we buy timber, we just couldn’t get the yield out of the logs.”

As industry technology continues to develop, we’ll likely see a rising demand for automation with the intent of improving efficiency and consistency. But the bigger picture, and our focus at Northwest Hardwoods, is the value of the data from new technology: data that lets us do more with what we already have, rather than simply speeding up the milling processes.

Keeping our mills outfitted with leading technologies will ensure we continue to provide the highest quality products consistently, efficiently, and sustainably. Cont’d on Page 18.

Baker, and “the more un-uniform the log is, the more valuable that tool is.”

A similar system works to optimally edge the boards by identifying the shape of the board and setting the saw. A major advantage of these machines is that they make it easier and faster to identify any trending issues or mistakes, so that corrections and be made swiftly and effectively to ensure a consistent product. **Cont’d on Page 18.**
Once the boards have been edged, the last major step is for them to be graded and sorted. Grade inspectors manually mark each board with color coded symbols to start the sorting process. But making sure the boards get to the right place can be difficult, and sometimes dangerous. That’s part of the reason why, at the Marienville facility for instance, we employ a machine that scans each board to read the symbol and automatically sort it to one of 60 bins depending on grade, width or length. In addition to making it safer and easier to sort the boards, this system also provides an “extremely accurate tally of the footage of lumber” says Baker, which makes it easier to talk with customers about what’s available and to pull exactly the right product for customers.

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This article was reprinted with permission of WPA-member Northwest Hardwoods.

Social Media Roundup
What's new in social? Click on images to check.
The ISO TC 238 WG6 meetings are currently in process in Seoul South Korea. The US is the convener of this working group with TP’s Chris Wiberg as the head of the US delegation.

Cheille Brindley posted in Pallet Enterprise - Solutions and Ideas for Sawmills, Pallet Operations and Wood Processors

Cheille Brindley - 1st

Vp of operations/publisher of Pallet Enterprise and TimberLine magazines

CHEP USA to lower Asset Recovery Program (ARP) rates. I understand that Big Blue is pushing for lower ARP rates for pallet recyclers. Anyone who has information or insights on this and would like to share on or off the record, please call 804-833-6545 or email chalkleb@gmail.com. I understand that their published rates are going to $1.60 something for delivery and just less than a buck for pickups.

What will this do to your receptivity to the ARP? Is this fair compensation? Let me hear from you. -- Cheille Brindley
North America construction framing softwood lumber wholesaler prices this week: “Softwood Lumber Prices Flounder. Lumber prices were essentially flat this week compared to last, as sellers had a difficult time dealing with the sheer lack of demand.”
https://lnkd.in/guDUDqX #building #forest #sawmill

Madison's Weekly Softwood Lumber Movers & Shakers
May 20, 2019

Reactions

Chaillé Brindley - #1st
Vp of operations/publisher of Pallet Enterprise and TimberLine magazines

China raises tariffs on U.S. goods including hardwood and softwood lumber? What impact do you think that will have on the U.S. lumber market. Will this trade escalation lead to many hardwood sawmills closing their doors? #trade #china chinatarfis #chinatradebattle

GAIN Report
Global Agricultural Information Network

This report contains assessments of commodity and trade issues made by USDA staff and not necessarily statements of official U.S. government policy.

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Like Comment
Scott Group is delighted to announce the appointment of Kevin McNeilly, MD Scott Pallets, Reconditioned to the Group Board. http://ow.ly/7oRI50u9AiM

The first of our upgrades to our production line in Ballinrobe is complete! It's more than just a pallet! #leanmanufacturing #lean #productionline #pallet #upgrades #palletsmovetheworld
https://lnkd.in/gVB44JZ
TIMCON welcomes Defra revision process on recycling targets

Advocates for reuse and repair versus recycling

The Timber Packaging & Pallet Confederation (TIMCON) has welcomed Defra’s consultation on the UK extended producer responsibility (EPR) system for packaging.

Defra is the UK’s Department for Environment, Food & Rural Affairs. TIMCON, which represents the wooden packaging and pallet industry in the UK and Ireland, says the process will help the industry and help stimulate greater reuse of packaging materials.

Stuart Hex, general secretary of TIMCON, said the packaging and pallet industry was delighted Defra has reviewed and is proposing to revise the current recycling targets.

“Manufacturing and using wooden pallets are a textbook example of the circular economy in action. Our products are sustainable, energy efficient, repairable, recyclable and reusable,” he said. “A pallet’s life cycle can be up to – and even beyond 25 years, during which time it continues to store carbon until it has reached the end of its life.

“During the EPR consultation, we have advocated a greater focus on reuse and repair, rather than recycling – which should be carried out only at the end of a product’s useful life. Defra’s targets will help increase this focus, while TIMCON will continue to promote and educate its members and the supply chain about product reuse.”

However, Hex added that the industry had lobbied for targets that reflect European Union circular economy figures, which were recently revised down to 25% in 2025. “While we welcome the review process, we strongly believe the UK targets should be in line with EU targets,” he said.

TIMCON commissions an annual independent market report entitled The UK Wood Pallet & Packaging Market, which it jointly funds with the Forestry Commission. In 2017, survey respondents repaired an estimated total of 29.4 million pallets, compared with 27.2 million pallets in 2016. This is an increase of 8.1% on the previous year and follows an increase of 4.6% in 2016.

“The growth in the number of pallets repaired suggest that users are increasing their focus on keeping pallets in use by repairing rather than replacing them with new ones,” said Hex. “It confirms that the industry and pallet users are looking to extend the life cycle of their pallets before they are recycled into other products such as chips for the board industry, animal bedding and, as a last resort, biomass. We
resort, biomass. We expect a further increase in the 2018 survey.

"A change in UK recycling targets will relieve some of the pressure the industry has faced as the result of the recent exponential increase in the price of wood PRNs," Hex continued. A Packaging Recovery Note (PRN) is a type of document that provides evidence that waste packaging material has been recycled into a new product. Packaging Recovery Notes can be issued by accredited processors when they have recovered and recycled packaging material.

"The high price of PRNs has placed an unsustainable strain on our industry and threatens the very existence of the SMEs that are vital to our economy. We fear that some smaller companies will be unable to afford PRNs at the current prices. We want to see a level playing field that also takes into account the sustainability of our products."

"More than 9% of all pallets are made from

News Briefs

Softwood lumber sales slow to a trickle as prices flounder
North America construction framing softwood dimension lumber prices were essentially flat this week compared to last, as sellers had a difficult time dealing with the sheer lack of demand. Read more.

BC: Expect the loss of another 12 sawmills over next decade
Tolko Industries' decision to close its Quest sawmill in Quesnel was greeted less with shock than resignation in certain circles with one report predicting the equivalent of 12 more will be shuttered in the next decade to cope with B.C.'s shrinking timber supply. Read more.

Pallet Dismantler Guide
In its May issue, Pallet Enterprise provided a new overview of pallet dismantler options on the market including a review of machines offered by leading suppliers. Find out which machine is right for your needs. Read more.

Rehrig Pacific Introduces Food-Safe, Fire-Retardant Plastic Pallet
LOS ANGELES -- Rehrig Pacific has announced that their FM Approved Non-Halogenated Flame Retardant pallet has been officially tested and certified to pass all requirements for FDA-regulated materials. The company calls the news "a groundbreaking new development with revolutionary implications for food and food safety." Read more.
Asian Longhorn Beetle eradicated in the UK

The Asian Longhorn Beetle (ALB) has been eradicated in the UK following six years of trapping and surveillance work by the Animal and Plant Health Agency and the Forestry Commission.

The pest was initially discovered in Kent in 2012, most likely introduced through infested imported wood packaging material.

The pest is a serious threat to a range of broadleaved trees, including species grown commercially for timber and fruit production. The larvae of the beetle feed on the wood of living trees, boring galleries, or tunnels in the trunks and branches. The galleries can penetrate all the way from the outer layer to the heartwood, and a severe infestation can kill the tree.

"Strong biosecurity relies on everyone playing their part – in our forests, at borders or when buying plants," stated Nicola Chief Plant Health Officer. "It is important that we continue to raise awareness of the simple things that people can do to protect against pests and diseases, such as sourcing plants from a reputable nursery."
EPAL goes India

First EPAL licensee for producing CP pallets in India

Since May 1, 2019, EPAL has had its first licensee for producing CP pallets on the Indian subcontinent. The producer of wooden pallets and box pallets applied to also assemble CP pallets as well as to produce and repair EPAL Euro pallets.

EPAL’s newest licensee is located in the state of Maharashtra, in the Taloja region, not far from the cities of Mumbai and Navi Mumbai. Both of these are important economic centers for the chemicals and petrochemicals industries, for the production of pharmaceuticals and for engineering.

Large, international companies with a high demand for ISPM 15-treated quality pallets for export, are well represented in the region. “The demand for EPAL pallets has grown enormously in the past few years, so it was a logical extension for us to include EPAL products in our range”, reasons the new licensee. In addition, it was always the company founder’s dream to one day produce EPAL pallets. ‘We believe in quality’, is the company’s motto, which EPAL approves wholeheartedly.

The first EPAL license in India was awarded in 1999 to produce Box pallets, followed in 2017 by licenses to produce EPAL Euro pallets and the EPAL 3 pallet.
FEFPEB Congress to Be Held October 9-11, 2019 in Hamburg, Germany

The International FEFPEB Congress, to be held October 9-11, is the biggest biannual FEFPEB-event. The meeting includes visits to export wood packaging provider, fastener manufacturer, and composite block producer. The convention includes a challenging business session and a splendid social program for delegates and partners.

The meeting theme is “Wooden Pallets & Packaging - Moving the Future”. Around 200 delegates and/or partners are expected.

The congress provides many networking opportunities and excellent sponsorship exposure will be available.

The 2019 FEFPEB International Congress hosted by HPE - the German Federal Association for Wooden Packages, Pallets and Export Packaging and operated by its VHP GmbH. FEFPEB is happy to welcome all that are interested in participating at the Congress.

Unit Load Design Short Course Announced

To be held August 13-15, 2019. An intensive three-day short course will teach techniques that pallet and packaging designers can use to save money on corrugated board and plastic packaging materials when designing pallets and packages by considering the interactions between all of the components of unit loads.

The course will use a state-of-the-art unit load design software called “Best Load” to better demonstrate the steps of unit load design process. Attendees will also be taken on a tour of a working, state of the art, packaging and pallet testing laboratory.

The short course will take place on the beautiful campus of Virginia Tech: Aug. 13th-15th, 2019

If you sign up early you will receive a discount on registration- discounted registration ends: July 12th.

A block of rooms has been reserved for attendees at The Courtyard by Marriot in Blacksburg, VA. It is located only a few miles from where the Unit Load Design and Performance short course will be held. More information can be obtained by calling the hotel at 540-552-5222 and asking about the rooms reserved for the Department of Sustainable Biomaterials. These rooms will be held until July 10th, 2019.
Upcoming Events


1/17/2020 - 1/21/2020  WPA Annual Meeting, Rancho Mirage, California www.westernpallet.org
In case you missed them...
(Click on back issues to read or download)