



Serving the McKenzie River Valley ... And Subscriber Vickie Buck of Leaburg

Sheriff's Reports

Disturbance, Dispute - Terwilliger Hot Springs. A female threatened multiple people at the hot springs with a chainsaw.

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Where did the flashers come from?

When students were getting on or off school buses, the average dropped to 46 mph, well above the warnings on signs

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New home construction incentives taking shape

Legislature plans to send governor a set of new policies and spending by mid-March



Oregon lawmakers are nearing agreement on a set of policy proposals to address the state's housing crisis.

By Julia Shumway
Oregon Capital Chronicle

Oregon legislators are working on plans to provide more time before evictions, more money for factory-built homes and new revolving loans to encourage building houses for middle-income families.

Lawmakers including state Rep. Maxine Dexter, a Portland Democrat who chairs the House Committee on Housing and Homelessness, are aiming to pass a set of new housing policies and well over \$100 million in new state spending within the next month.

An omnibus bill the House committee discussed Tuesday is the first of several steps this session to address Oregon's housing and homelessness crises, as the state has about 111,000 fewer homes than needed to fit current and expected demand and an estimated 18,000 Oregonians are homeless.

"This is just a down payment on the housing work that we're going to do this session," Dexter said.

The amended omnibus bill is most of a housing package legislative leaders intend to pass and send to Gov. Tina Kotek for a signature by mid-March, House Speaker Dan Rayfield said. The House's housing committee will hear public testimony Thursday on a bill to create a new statewide housing needs analysis and plan to incorporate that bill into the final package.

Additionally, it will include tens of millions of dollars in new funding. Rayfield, D-Corvallis, told reporters during a press conference Tuesday that legislative budget writers are still working out details, but they expect to incorporate the \$130 million Gov. Tina Kotek requested to build 600 shelter beds, keep 9,000 families housed and help

1,200 homeless people find shelter.

Eviction protections

Sen. Kayse Jama, D-Portland and the chair of the Senate's housing committee, brokered a compromise between landlords and tenant advocates on legislation aimed at preventing evictions. As it stands now, the bill will require landlords to give tenants 10 days notice – not the currently required 72 hours notice – when filing for eviction because of unpaid rent.

Those notices would have to include information on how and where tenants could find rent assistance and legal assistance for eviction proceedings. And it extends the timeline for eviction court filings: Initial court appearances now happen seven days after a complaint is filed and trials 15 days after the initial appearance. The bill would change the initial appearance to 15 days after a complaint is filed and the trial to between 15 and 30 days, giving tenants more time to come up with overdue rent and stay in their homes.

Gloria Ochoa-Sandoval, policy director at the social justice nonprofit Unite Oregon, told lawmakers that tenants living on the edge need time to pull together rent money and find resources. She has worked two jobs most of her life and still received an eviction notice for late rent at one point, she said.

"When housing takes up 60% to 80% of your income, it takes about one small incident to push you over the edge, things like a flat tire, increase in the cost of eggs or for myself, an asthma attack way too close to the day the rent was due," Ochoa-Sandoval said. "In my situation, aside from needing funds, I struggled to find resources when I

Incentives taking shape - Page 9

\$3 million available for septic fixes

\$35,000 grants offered in McKenzie River Valley

The Eugene Water & Electric Board (EWEB) has secured over \$3 million to help McKenzie Valley homeowners repair or replace septic systems damaged in the Holiday Farm Fire.

People who qualify can receive up to \$35,000, depending on their type of septic system and household income.

Utility officials say improperly maintained septic systems threaten the McKenzie River – the sole source of drinking water for nearly 200,000 people EWEB serves in the Eugene area. It's feared leaking systems could contaminate the water source with unsafe bacteria, provoke harmful algal blooms, and harm fish and wildlife.

Over the last few decades, EWEB has offered incentivized programs to support septic maintenance. Over 535 properties were

impacted by the Holiday Farm Fire.

"Our friends and neighbors upriver have gone through so many challenges in their long journeys recovering from the fire," said Nancy Toth, an EWEB environmental specialist who coordinates programs to help McKenzie Valley residents take care of the watershed. "With these grants, EWEB and our partners are able to provide meaningful support and take a large financial burden off their lists of concerns."

Funds for the Septic System Repair and Replacement Grants were a result of a collaboration with Lane County and the Oregon Department of Environmental Quality (DEQ) Onsite Financial Aid Program (OSFAP). Both Lane County and DEQ OSFAP received federal funds from the American Recovery Plan Act (ARPA) and chose

to partner with EWEB to distribute the money to affected residents.

"Lane County and DEQ came to EWEB because of our established track record of enacting meaningful support on the ground," said EWEB Business Line Manager Anna Wade, who is helping implement the grant program. "Since the Holiday Farm Fire, EWEB has helped folks recover with programs that also protect the watershed and reduce the impacts of future fires."

To receive Septic System Grant funding through ARPA, applicants must meet the following criteria:

- Applicant must be the current property owner.
- The property must be located within the Holiday Farm Fire perimeter and have sustained structural damage or destruction.
- Septic system repairs or installation must be com-

Septic fixes - Page 8

Heat dome tree damage more about temperature than drought

By Steve Lundeberg
OSU

Widespread tree scorch in the Pacific Northwest that became visible shortly after multiple days of record-setting, triple-digit temperatures in June 2021 was more attributable to heat than to drought conditions, Oregon State University researchers say.

In a paper published in Tree Physiology, a team led by Christopher Still of the OSU College of Forestry cites evidence that leaf discoloration and damage are consistent with direct exposure to solar radiation during the hottest afternoons of the "heat dome" that covered northwestern North America.

Still and other scientists from OSU were responding to an article published in the same journal in April 2022 that concluded the trees' problems were the result of drought and a failure in the trees' hydraulic system, which helps foliage stay cool through the exhalation of water vapor via a process

known as transpiration.

The collaboration that produced the response following a literature review includes researchers from Oregon State's colleges of Engineering, Agricultural Sciences, and Earth, Ocean, and Atmospheric Sciences, as well as two other OSU-affiliated organizations, the Oregon Climate Change Research Institute and the PRISM Climate Group.

"While we think the drought/hydraulic hypoth-

esis is partly true, we argue that multiple lines of evidence suggest the main issue was in fact direct heat damage," said Still, a tree physiologist who studies forests in the context of climate change impacts and feedbacks. "Tree physiologists have worked a lot to show that hydraulic damage in response to drought drives a lot of tree mortality, and the paper we comment on more or less fits in

Heat dome damage - Page 9



Gabriela Ritokova

The 2021 heat dome was one of the most extreme heat waves ever recorded.

Guest Opinion

Time to reevaluate Oregon's rivers as a faucet for agriculture

By George Wuerthner
Many of Oregon's rivers are drained every summer to support the agricultural industry, but fisheries, wildlife and the water quality itself is hurt in the process.

Perhaps it's time to reevaluate the archaic notion that Oregon's rivers are nothing more than a faucet for the ag industry. Last fall here in Bend, irrigators began the annual drawing down of the Deschutes River to the point where fish and other wildlife have died or been threatened. Good people have tried to save fish stranded in pools of water. I do not want to denigrate their efforts, but the fact that irrigators are allowed to kill fish as part of their commercial operations is an outrage.

To add insult to injury, irrigators pay nothing for the water they take from our rivers, nor any compensation for the resulting harm.

At one time, the Deschutes River had the most even flow of any country. Due to numerous springs that provide most of its waters, the river height? varied by little more than 6 to 8 inches between summer and winter with flows of 700 to 800 cubic feet per second, which is how the volume and flow of a river are typically measured. Today the river may be as low as 100 cubic feet per second in winter and over 2,500 in summer when irrigators use the upper segment of the river as an irrigation channel. This variation is devastating

to the river's aquatic ecosystem and dependent species.

The annual fish kill is vandalism, pure and simple. If I were fishing and kept even one trout over the limit, I could be arrested and fined. If I were to dump a truckload of sediment in the river, I would be jailed. But by reducing natural river flows, the irrigators kill tens of thousands or more fish, and other wildlife, like Oregon, spotted frogs. They also degrade the water quality of the Deschutes River with excess sediment with no consequence.

The Public Trust Doctrine was used to keep water flowing into Mono Lake on the east side of the Sierra Nevada. The legal argument was that the state of California, by its failure to protect in-stream flows by limiting water withdrawals, threatened the existence of Mono Lake. The result was that water had to remain in the stream.

A similar public trust situation exists in Oregon. Water in Oregon rivers is owned by the state's people, not irrigators. Therefore, the irrigators only get to use the water as a privilege. Unfortunately, the state is not living up to its legal obligation to protect its citizen's interest in clean, functional river systems. The public trust doctrine "prohibits the state from taking action that would materially impede or substantially impair the public rights to use the waters for navigation, fishing, commerce, and recreation."

The Oregon Supreme Court has repeatedly recognized a public



easement in all navigable-in-fact waters for navigation, fishing, commerce and recreation and has also articulated limited ancillary rights to use uplands.

And the Oregon Supreme Court has stated that the primary purpose of public water is to provide for wildlife, recreation, and other Public Uses. All other uses, including irrigation, are secondary and only allowed when they do not impinge or degrade the primary public benefits.

Irrigation withdrawals from the Deschutes River are harming the

primary purposes of the public trust. Allowing irrigators to degrade the Deschutes river's aquatic ecosystem annually for private financial benefit is criminal and should be characterized as such.

I salute those hardy souls who annually try to capture fish stranded in pools, but the fact that anyone has to do this is an indictment of the irrigators and the state (which permits this to occur). But the current flow is so low that the diversion no longer makes sense.

The water in the Deschutes belongs to all citizens, and there are

many other ecological and economic reasons to maintain natural and adequate flows in our river.

Whether or not the current policy of allowing irrigation withdrawals and flow disruptions is legal is beside the point. It is criminal to permit this to continue.

It's time to stop this annual destruction of our river.

George Wuerthner is an ecologist and author who published 38 books. His most recent publication is *Protecting the Wild: Parks and Wilderness, the Foundation for Conservation*.

McKenzie Eagles Sports Report



By Cliff Richardson

Eagles Earn Mt. West League Honors

Five McKenzie Varsity Basketball players were recognized at the Mt. West League Tournament last weekend. Senior Hailey Prater was selected for the Mt. West Girls All-League Third team. Teammate and freshman Mya Triplett was chosen for the MWL Girls Honorable Mention team. Senior Trent Peek and freshmen Allen Acevedo and Will Meister were selected for the MWL Boys Honorable Mention team.

Mt. West League Basketball Tournament State Qualifiers Decided

The Mt. West League held its 2023 MWL Basketball Tournament last Saturday, February 18, at Junction City High School. Four Boys teams and four Girls teams qualified for respective seeded berths in the 2023 OSAA State

Basketball First Round playoffs, scheduled to begin on Tuesday, February 21. The Eddyville Charter Girls, who finished the MWL Regular Season in second place, upset first place Crow, 65-42, claimed the MWL Tournament Championship, and earned the League's top seed to State.

Eddyville ranked 16th in the final OSAA rankings will host 17th-ranked Umpqua Valley Christian, the Skyline League's second-place team. Crow, ranked 26th, travels to 7th-ranked and perennial Casco League power St. Paul. Mohawk, 29th ranked and the third place MWL team, defeated fourth place, 30th ranked

Triangle Lake Saturday, 40-33. As the MWL third-seeded team, the Mustangs travel to 4th ranked Nixyaawii, which represents the Old Oregon League up near Pendleton.

The Lakers of Triangle Lake take the short trip down South to the Skyline League, where they toe up to the 3rd-ranked North Douglas Warriors. Over on the Boy's side of the Tournament and OSAA brackets, Alsea finished second in the MWL Regular season schedule and the Wolverines followed the Eddyville Girls lead by upsetting the MWL Season Champ Mohawk Mustangs, 40-29. The 16th-ranked Wolverines

host 17th ranked, Skyline League foe, Elkton, on Wednesday, February 22.

All OSAA First Round Boys Basketball games will be played on the 22nd. Mohawk ranked 23rd, travels up I-5 to the 10th-ranked, Casco League Crosshill Christian Eagles. MWL third place Triangle Lake, 56-35 winners over Mapleton on Saturday in Junction City, travel to Adrian, from the High Desert League. The Lakers are ranked 29th and the Antelopes' final ranking is 4th. Mapleton ranked 32nd has the distinction to square off on the

road with the State's top-ranked team, the Crane Mustangs, out of the High Desert League.

Thirty-two Boys teams and thirty-two girls teams qualified for the First Round OSAA playoffs. The winning sixteen teams advance to the Second Round playoffs, with the Girl's teams scheduled to meet on Friday, February 24, and the Boy's scheduled for games on Saturday, February 25. The final eight teams from each bracket advance to the 2023 OSAA State Championship Quarter-Finals, held at Baker City, with games beginning on March 1, 2023.

Letters to the Editor



Letters To The Editor should contain no more than 250 words. All letters must be signed and include an address and phone number. Addresses and phone numbers will not be published upon request. Deadline for submission is Monday at 5 pm.



McKenzie River Reflections



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WEATHER REPORT

READINGS TAKEN AT THE US ARMY CORPS COUGAR DAM

READINGS TAKEN AT THE EWEB LEABURG POWERHOUSE

Date	High	Low	Rain	Releases	Date	High	Low	Rain	Riverflow
2/14	39	30	0.39	471 cfs	2/14	43	32	0.31	2,690 cfs
2/15	41	27	0.10	448 cfs	2/15	44	25	0	2,830 cfs
2/16	48	26	0.11	431 cfs	2/16	50	30	0	2,800 cfs
2/17	48	28	0	526 cfs	2/17	53	29	0	2,690 cfs
2/18	48	28	0	465 cfs	2/18	59	29	0.08	2,670 cfs
2/19	49	35	0	471 cfs	2/19	51	35	0	2,670 cfs
2/20	53	30	0.02	448 cfs	2/20	55	31	0	2,660 cfs

Friday 2/24		Saturday 2/25		Sunday 2/26	
McKenzie Valley Mostly Sunny 10% chance precip High: 43 Low: 18	Santiam Pass Mostly Sunny 10% chance precip High: 25 Low: 7	McKenzie Valley Mostly Sunny 20% chance precip High: 46 Low: 28	Santiam Pass Mostly Sunny 20% chance precip High: 36 Low: 19	McKenzie Valley Freezing Rain 60% chance precip High: 43 Low: 33	Santiam Pass Snow Showers 60% chance precip High: 32 Low: 19

Sheriff's Report

Feb. 9: 5:02 p.m: Suspicious Subject - Whitmore St. & School House St. Deputies patrolled the area for a suspicious subject. No description provided.

Feb.10:10:19a.m: Disturbance, Dispute - Terwilliger Hot Springs. A female threatened multiple people at the hot springs with a chainsaw. Deputies located her and she was arrested for Menacing, Coercion, and Unlawful Use Of A Weapon.

Feb. 12: 12:32 p.m: Stranded Vehicle - 91500 blk, Cougar Dam Rd. A caller reported that two vehicles became stuck in the mud.

Feb. 13: 1:25 p.m: Warrant Service - 92100 blk, Marcola Rd.

Feb. 14: 11:49 a.m: Dispute - 51400 blk, Blue River Dr. Verbal dispute, no evidence of a crime.

12:15 p.m: Criminal Mischief - 44500 blk, McK. Hwy. A caller reported that someone stole gas and damaged a gas tank at the

Leaburg Dam.

3:27 p.m: Threat, Harassment - 38300 blk, Wendling Rd. A caller reported that a family member is being bullied at school.

Feb. 15: 1:41 a.m: Suspicious Conditions - 44900 blk, Leaburg Dam Rd. Caller reported that she took her dogs for a walk and her dogs started barking at a vacant property. Caller thought someone might be at the property.

11:03 a.m: Unlawful Entry Motor Vehicle - 39500 blk, McK. Hwy.

12:45 p.m: Civil Service - 40100 blk, McK. Hwy.

2:22 p.m: Unlawful Entry Motor Vehicle - 50800 blk, McK. Hwy.

2:24 p.m: Threat, Harassment - 36600 blk, Camp Creek Rd. Caller stated a known person has been harassing and threatening the caller.

3:24 p.m: Suspicious Conditions - 39300 blk, Howard Rd. Caller concerned about a sign that they saw.

7:31 p.m: Suspicious Vehicle - 91800 blk, Mill Creek Rd.

Feb. 16: 8:23 a.m: Burglary -

38500 blk, E. Cedar Flat Rd.

9:30 a.m: Livestock at Large - 90900 blk, Marcola Rd.

9:38 a.m: Threat, Harassment - 38600 blk, Natures Garden St.

1:25 p.m: Hit & Run - 91000 blk, Leashore Dr.

Feb. 17: 2:28 a.m: Request Cover - 92400 blk, Marcola Rd.

1:36 p.m: Theft - 42300 blk, Holden Creek Ln.

2:02 p.m: Unlawful Entry Motor Vehicle - 42300 blk, McK. Hwy.

4:08 p.m: Mental Subject - 37300 blk, Parsons Creek Rd.

4:09 p.m: Disturbance, Dispute - 37300 blk, Parsons Creek Rd.

Feb. 18: 8:26 a.m: Reckless Driving - Marcola Rd. & Donna Rd.

7:09 p.m: Welfare Check - 42600 blk, McK. Hwy.

8:49 p.m: Disturbance, Dispute - 42000 blk, Deerhorn Rd.

Feb. 20: 9:35:32 a.m: Suspicious Vehicle - Marcola Rd. & Old Mohawk Rd.

Comments as reported may not be complete or accurate. If further information is required contact the Lane County Sheriffs Office.

McKenzie Fire & Rescue

Feb. 13: 1:52: 39000 block, Deerhorn Rd. Public Assist. Assisted Patient, No Transport.

14:07: 41000 blk, Madrone St. Medical, General. Patient Assessed, Refusal Signed.

Feb. 14: 4:14: 43000 blk, McK. Hwy. Public Assist. Patient Assessed, Refusal Signed.

9:10: McK. Hwy./Milepost 29. Motor Vehicle Accident. Disregarded En Route.

13:13: 43000 blk, McK. Hwy. Medical, General. Patient Assessed, 1 Transported.

16:22: 41000 blk, McK. Hwy. MVA. 2 Patients Assessed, Refusals Signed.

20:37: 38000 blk, McK. Hwy. Medical, Trauma 20:37 Patient Assessed, 1 Transported.

Feb. 15: 20:22: 35000 blk, Camp Creek Rd. Medical, General. Patient Assessed, 1 Transported.

Feb. 16: 1:45: 43000 blk, McK. Hwy. Medical, General. Patient Assessed, 1 Transported.

21:12: 40000 blk, McK. Hwy. Medical, General. Patient Assessed, 1 Transported.

Feb. 17: 10:28: 47000 blk, Block McK. Hwy. Legal Backyard Burn. Disregarded.

21:34: 7900 blk, S. C. St.

Medical, General. Disregarded.

Feb. 19: 10:55: 35000 blk, Camp Creek Rd. Medical, Heart Pt. Assessed, 1 Transported.

McK. Fire & Rescue will hold its monthly Board of Directors meeting on Monday, March 20th at noon, in the Leaburg Training Center, 42870 McK. Hwy. The district maintains Facebook, Twitter, and web pages. If you have a question or concern about any Fire District business, give Chief Bucich a call @ 541-896-3311. If he is unavailable, please leave a message and he will respond ASAP.

Upper McKenzie Fire/Rescue

Feb. 15: 17:32: Medical - 51000 block, Blue River Dr. Female, Conscious, Breathing.

Feb. 17: 06:01: Medical - 55000 blk, McK. River Dr. Male, Conscious, Breathing.

Feb. 18: 16:17: Medical - 88000 blk, Aufderheide Dr. Involved fell approx 25 ft. Caller was not able to see involved after he fell.

The Upper McK. Fire District board of directors will hold its monthly meeting at 7 p.m. on Wednesday, March 15th, at the McK. Fire Station, 56578 McK. Hwy. in McKenzie Bridge.



Explore a treasure trove of McKenzie River history - in the back issues of this newspaper. Go to: tinyurl.com/2rkpkxen

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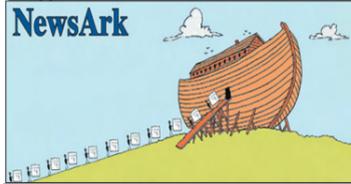
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Creating A Safer Crossing



Barbara Hyne was selected as the McKenzie Valley's "Woman of the Year" in January of 1999.

Barbara Hyne came to this area as Barbara Peden when a very young girl. She lived in several local communities, including Nimrod and Leaburg, where her

father, Chet Peden, ran the garage.

As an adult, she served as president of both the Lane County and McKenzie River Home extension groups. That was in addition to participating in the Presbyterian Church choir, heading up ceramic classes, and specializing in teaching youngsters from six to twelve to play the piano.

Although she modestly declined to hold office when the Deerhorn Neighborhood Watch was formed, Barbara volunteered with her usual enthusiasm when the incumbent president resigned. It was around that time she began to focus her efforts on a public safety project that she again took little credit for but wouldn't have come about without her efforts.

ODOT to slow traffic at elementary school

From the May 19, 1999 edition of River Reflections

WALTERVILLE: The Oregon Department of Transportation has agreed to meet the state police halfway in their request for a speed zone change in front of the Walterville Elementary School. Instead of the 45 mph zone that was asked for ODOT has agreed to placing 50 mph signs along Hwy. 126.

Kathy McConnell, a traffic analyst with ODOT's regional office, said her on-site visit earlier this year determined that 54% of the traffic passing by the school was traveling at 54 mph. Although there were concerns about students' safety, McConnell said "I found out all the children are bused or transported by parents in cars. There are no children walking home from school, on, or across the street at all."

McConnell did support a proposal to install flashing lights on the highway that would require drivers to drop down to 20 mph when they're activated.

That pleases Barbara Hyne, a Deerhorn resident who's been pushing for the lights. Hyne collected over 800 signatures on a petition sent to ODOT. She now plans to forward them to the Springfield School District.

Assistant Springfield Schools Superintendent Steve Barrett said he's heard estimates as high as \$20,000 for the lights. "We flat don't have the money," Barrett said. "We're six weeks away from the end of the budget year and I'm scraping right now."

It now appears parents and the Walterville Boosters will be called on to help out with fundraisers to fund the installation of the flashers. Barrett said most people don't realize it but ODOT isn't the one who pays those costs. It's possible, though, that the initial estimate could be quite high. An earlier study for a flashing light near the Walterville fire station came in around \$8,000.

Lights ready to flash at Walterville School Zone

From the November 17, 1999 edition of River Reflections

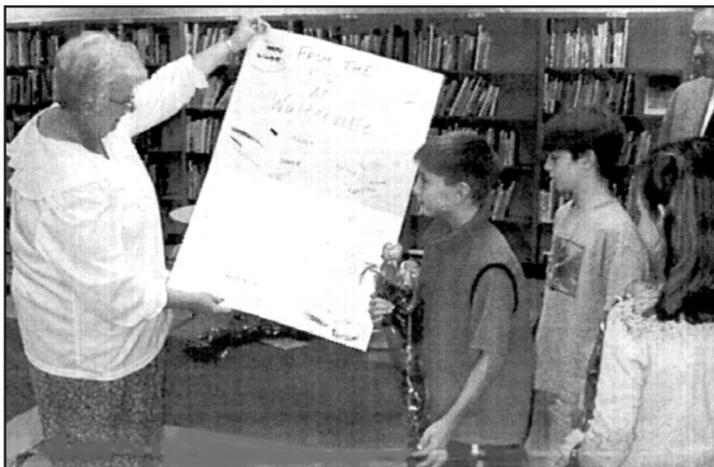
WALTERVILLE: Lewis Palazzolo from the Oregon Dept. of Transportation was on the job Friday, putting the finishing touches on new flashing lights that have been added to the 20 mph School Zone in front of Walterville Elementary.

The lights were expected to be activated on November 15th, alerting drivers to slow down when students are outside in the area. A dedication ceremony at the school is planned for 1 pm, this Friday, in the library.



"Light Lady" honored at Walterville

From the November 124 1999 edition of River Reflections



Student body officers at Walterville Elementary School presented Barbara Hyne with bouquets of flowers and a very big "Thank You" card.

WALTERVILLE: "We're a safer place now," noted Walterville Elementary School Principal Jim Fanning. Speaking at last Friday's dedication of the school zone's flashing lights, Fanning had praise for the people who worked to make a dream come true. "It was a reflection of the community coming together, to be heard and to rally around leadership," he said. "It provided a real sense of community and a realization of what communities are for. Our chief responsibility is educating our children and making sure they grow up safe. This project represents

those two aspects very well."

Barbara Hyne, the project's chief organizer and fundraiser had a few things to say as well.

"Everybody has asked me why I did this. It was because I lived up here, I was raised on the McKenzie. The traffic has grown so heavy over the years that when I would come through here and start slowing down, I was afraid if I had to slam on my brakes someone would hit me.

I remember my Mom always saying 'If you don't like something, don't talk about it, do something.' So I did."

After gathering up close to 700 signatures on petitions supporting the flashing lights, she also hit the phones, generating \$9,700 in donations. Thanks to a work crew from EWEB that installed the lights, some money was left over. That, Hyne said, will now go to the school's Booster Club for safety-related equipment.

"I just hope now the kids feel a little safer out there," Hyne says.

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School crossing decision coming soon

From the February 24, 1999 edition of River Reflections

SALEM: Most people drive an average of 54 mph as they pass by the Walterville Elementary School.

Willard Bradshaw, Oregon Department of Transportation traffic engineer for Region 2, said the data was gathered last Wednesday using a laser radar gun. About 15 percent of the traffic was traveling faster than that speed.

For a 55 mph road like the McKenzie Highway, the numbers aren't out of line. "That tells me that the basic rule of speed is being complied with quite well," Bradshaw said. "In normal 55 mph facilities, the average pushes 60 mph."

When students were getting on or off school buses, the average dropped to 46 mph, well above the warnings on signs advising motorists to drop down to 20 mph "When children are present."

Getting people to slow down has been the goal of several hundred people who sent petitions to ODOT in December of last year. Some of their suggestions included establishing a 45 mph zone in front of the school, attaching flashing lights to the existing signs or adding a timed flasher to alert motorists when a speed reduction is actually warranted.

Enforcing the 20 mph zone

hasn't been high on the list of law enforcement officials. There's quite a bit of confusion about how the "When children are present" message should be interpreted.

"With the Walterville School you've got students standing way back from the highway," notes Sergeant James Rentz of the Oregon State Police patrol office in Springfield. "My thinking is a blinking light might be nice for strangers so they'll realize they're entering a school zone. But it's not so good for people who know where the school is. After time they'll become familiar with the flashing lights. Some schools, like Bethel, can turn on the lights and that seems to work."

Bradshaw said ODOT is now asking the Springfield School District to make a recommendation on which option to support. The district's suggestions will be passed on for review by the state traffic engineer. At that level "they have to deal with statewide issues," Bradshaw said. "We'll remind them that the basic rule is being complied with and that there is a left turn refuge. Then there's the question of 'Are we going to have a rear-end (accident) problem?' There is that reduction in speed of about 30 mph."

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By Slim Randles

Back before the earth cooled completely, I was a reporter for the newspaper in Victorville, California. Victorville is a high desert town between L.A. and Las Vegas and is celebrated in folklore as "where the car broke down as I was trying to get to Barstow."

And every spring about this time, that ol' desert country tries to outdo itself in setting new records in how hard the wind blows. It's not always the same, of course. Sometimes there's a bunch of sand and dust in the wind and sometimes it's clear skies and there's just a mountain or two in the wind. But it blows.

If there was anything or anyone out in that desert that was unusual or off the beaten path, I covered it. You know, Iron Water Alice who soaked in iron water (of course) to increase her psychic potency, "Guv" Reeve who lived with a harem of well-wishing church ladies and ran for governor every four years, the beat goes on. Polite people who answered the phone at the paper referred unusual phone calls to "the color story reporter named Slim." Sounded better than weirdo writer, didn't it?

And one March, two young boys called in from Apple Valley, about five miles to the east, and reported that someone had stolen their tent. They had set the tent up in the back yard because they wanted to be tough outdoorsmen, of course, and this was a good way to start. The tent had a floor and walls and a roof, of course, was pegged solidly to the desert, but when they went out the next morning, some s.o.b. had stolen it!

The sheriff's office wouldn't even take a report on it, but the Victor Valley Daily Press would, by golly. So the word went out to every windblown acre of the high desert, and the crime was solved. Yes, it seemed an 80-year-old man who had a little cement-block shack in Lucerne Valley, about 20 miles east of the launch pad back yard, found a full-grown tent in one of his elm trees about 10 feet off the ground.

One little rip, but some tape took care of that. Thank the Lord for freedom of the press. And spring zephyrs that make a reporter's job fun.

Brought to you by Hug-a-Horse Thrift Store in Edgewood, NM. Good folks work there. <https://www.thriftstores.net/store/7383/hug-a-horse-thrift-store>

**A Moment
in Oregon
History**

By Rick Steber
(www.ricksteber.com)

February 23 - What has become known as the Gold Beach Massacre, took place on February 22, 1856. The deadly campaign was led by Enos, a Plains Indian who had come to Oregon as a guide with Captain John C. Fremont in 1843. Enos joined the Rogue River Indians and was one of the instigators of the Rogue River Indian War. During the Gold Beach Massacre one of the first to die was Ben Wright, the Indian Agent. After that killing, Enos and his Rogue companions attacked Gold Beach and killed 25 other settlers. The survivors were besieged for 35 days before finally being rescued by a detachment of military men from Fort Humboldt, California.



Country Kitchen

By Mary Emma Allen



GARDEN PLANNING

Do seed and plant catalogs still arrive in the mail in late winter, as they did when I was a child and even when my daughter was young? This was something we looked forward to. We'd browse through the pages and plan a vegetable and herb garden. Then Father and Mother would send away for seeds and plants or get them at the local farm store. When our daughter and her family lived with us, we grew and tried more herbs than when I was a child.

The use of herbs dates back for centuries. Herb gardening and herb lore provide a great deal of enjoyment. Throughout the ages, our ancestors utilized herbs in food preparation and preservation, as well as for medicinal purposes. Colonial cooks planned their herb gardens a short distance from the kitchen door so they could run outside and quickly pick fresh herbs when needed. Our herb garden is located a short distance from the front steps.

A Variety of Herb Gardens

Some herb gardens are planted in formal designs inspired by gardens in Europe so they are a treat for the eye as well as the palate. Other gardeners use old ladders and plant the herb varieties between the rungs. Or you can set out an old wagon wheel, planting herbs among the spokes. You also can plant herbs in window boxes and flowerpots in the house or on the porch. Inside boxes allow you

to have herbs year round if you live in a colder winter climate.

Tips for Using Herbs

* Use herbs in small amounts, especially when you're starting to experiment with a new one. Don't use such quantities of herbs that they overwhelm. My mother-in-law said the secret of using herbs and spices was to use just enough to enhance the food and make people ask, "What did you use in this dish?" If they can tell what it is, you've used too much, she maintained.

* Experiment with herbs until you discover which ones your family likes best. The aroma of the herb will help you determine whether it will enhance specific foods.

HERB BUTTER - You can stir various herbs into butter or margarine to give it flavor for biscuits and bread. Also, use it melted as a dip for seafood. You can baste with herb butter when barbecuing. Some of the herbs you use in herb butter include chopped parsley, chopped chives, basil, thyme, rosemary, and oregano. Usually you'll include only one or two herbs at one time, depending on the flavor you want to achieve. If you use too many, you may not recognize any and get a blend that isn't the most desirable.

(c) Mary Emma Allen

(Mary Emma Allen writes from her NH home E-mail: me.allen@juno.com).



Gardening Tips

By Kym Pokorny



Oregon State University

OSU Extension Service

Five tips for properly planting a conifer tree



Taking the proper steps to plant a conifer will ensure success.

If conifer tree planting is on your late winter or early spring to-do list, there are some things you can do to improve your success.

When it comes to planting conifers, timing is everything, according to John Punches, Oregon State University Extension Service forester and associate professor in the OSU College of Forestry. Punches recommends planting when the upper 10 inches of soil is moist, the soil is not frozen more than a half-inch deep, the snow cover is less than two inches and the air temperature is between 30 and 65 degrees.

It also helps if the wind is blowing at less than 20 miles per hour – and the seedlings are fully

dormant.

A little extra time spent during planting can yield big dividends in young tree survival, Punches said, so plant your trees correctly for best success.

Among Punches' other tips:

* Keep the roots moist and the trees cool. Plant in the rain, if possible. Dried-out roots are dead roots, and bare-root seedlings are susceptible to drying. Containerized seedlings are more protected but need careful treatment. Carry seedlings in a planting bag or bucket to protect them from sun and wind and remove just one tree at a time for planting. Dig the hole or holes before removing the seedlings.

To help prevent damage, keep roots covered and moist from the moment seedlings are removed from their shipping bundles until they are planted.

* Dig a good hole. Many planting errors can be blamed on holes too small for the roots of the plant going into them. Holes should be deep enough to hold the root system with ease and allow for broken soil all around the root system to promote root growth. If the roots are 9 inches long, dig a hole at least 12 inches deep to provide broken soil under the seedling.

* Plant at the right depth. Trees should be planted at the same depth they experienced in the nursery or a bit deeper. Planting too shallow leaves upper roots exposed, leading to their death. Planting too deep can be a problem if lower twigs and needles are buried. Spread out the roots in a natural position when you place the seedling in the hole.

* Firmly press down soil around the plant. While holding the tree in an upright position at the correct depth, fill the hole with the loose, moist soil dug from the planting hole. Do not let dry soil, rocks or surface litter fall in the hole, or roots in these dry spots could be damaged or killed. When the hole is filled in with moist soil, press it down firmly.

* Manage competition. Planting the tree is only part of the battle. Control competing vegetation for at least the next two years to give the tree time to become fully established.

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Community Notes

February 24 Chili Feed

The Walterville Grange invites you to their annual chili feed on February 24 from 5 to 7 PM. Bring your family and friends to have some great homemade chili and fun visiting with friends and neighbors. Along with the homemade chili, we will be having fresh baked cornbread, salad, dessert, and drinks. We will be having a rootin'-tootin' time at the Walterville Community Center located at 39259 Camp Creek Road in Walterville. Please bring a canned food item for the upriver food bank. If you have any questions, please call 541-521-4760 and leave a message (calls will be returned). As always, donations are gratefully accepted.

February 24 McKenzie Food Pantry

Free groceries provided in accordance with Oregon Food Bank and Food For Lane County guidelines for food distribution to those in need. 2nd & 4th Friday, at the McKenzie Bridge Christian Church from 11 a.m. - 1 p.m. Shop for yourself or have food delivered to car. Questions call Robin 541-844-8838.

February 25 Dime At A Time

The Blue River Bottle Boys Collection/Sorting sessions are

held every Saturday from 9 - 11 a.m. at the Leaburg Store. Donations can be dropped off there as well.

February 28 McKenzie Wellness

The board of McKenzie Valley Wellness will hold its regular monthly board meeting on Tuesday, February 28th, at 7 p.m. in the Living Water building, 52353 McKenzie Hwy. in Blue River.

March 1 Watershed Wednesday

Join the McKenzie River Trust every Wednesday morning from 9 am to 11:30 am at Green Island to help care for this special area where the McKenzie and Willamette Rivers at Green Island, 31799-31601 Green Island Rd. in Eugene. Projects vary based on the season but typically include invasive species removal, habitat care, or planting/tree establishment. To volunteer: tinyurl.com/2p89ksfz.

March 1 Blue River Park Board

The board will meet at 6 p.m. More info @ www.blueriverpark.com.

March 1 Blue River Water Board

The board will meet at 6:30 p.m. More info @ www.w

blueriverwaterdistrict.com.

March 6

Springfield School Board

7 pm - 8:30 pm. The Board of Directors meet in the Administration Building, 640 A St, Springfield.

March 10

McKenzie Food Pantry

Free groceries provided in accordance with Oregon Food Bank and Food For Lane County guidelines for food distribution to those in need. 2nd & 4th Friday, at the McKenzie Bridge Christian Church from 11 a.m. - 1 p.m. Shop for yourself or have food delivered to car. Questions call Robin 541-844-8838.

March 15

McKenzie Fire & Rescue

McK. Fire & Rescue will hold its monthly Board of Directors meeting at noon, at the Leaburg Training Center from noon to 1 p.m.

March 15

McKenzie School Board

The McKenzie School Board will meet at 5:30 p.m. at the district office, 51187 Blue River Drive in Finn Rock

March 20

Upper McK Fire Board

The board of directors will meet at 7p.m. 56578 McK. Hwy. in McKenzie Bridge.

LCC Board

Five seats on the Lane Community College Board of Education are up for election in the May 16th Special Election. The winners of each seat, with the exception of Zone 1, will serve four year terms beginning July 1, 2023.

Of the five, two At Large positions up for election:

Position 6, currently held by Rosie Pryor, and Position 7, currently held by Lisa Fragala.

Pryor announced in December she did not intend to run for reelection. The board will have a minimum of three new members when the new terms begin in July.

The Lane Community College District serves a 5,000 square-mile area stretching from the Pacific Ocean to the Cascade Mountains. The district includes most of Lane County, as well as the Monroe School District in Benton County, the Harrisburg Union High School District in Linn County and a small area in northern Douglas County. The total district population includes about 390,000 people.

Seven elected, non-paid people comprise the LCC Board of Education and have primary authority for establishing policies governing the operation of the college and adopting the college's annual budget. Their charge is to oversee the development of programs and services which they believe will best serve the needs of the people of the LCC District.

LCOG Board

Lane Council of Governments Budget Committee Accepting Applications

Lane Council of Governments (LCOG) is seeking volunteers to serve on the LCOG Budget Committee. The representative(s) selected will serve a three-year appointment. It is anticipated that three meetings will be held annually. Applications may be obtained from LCOG, 859 Willamette Street, Suite 500, Eugene, OR 97401; from our website at lco.org; the online form at <https://forms.office.com/g/i7y-G2etptU>, or by calling 541-682-4006. Completed applications must be received by 5:00 p.m., Friday, March 3, 2023.

LCC Scholarships

The application process for the 2023-24 Lane Community College Foundation scholarships is now open! Students are invited to apply for scholarships with the opportunity to receive a share of over \$1 million in funds.

Scholarships are open to all majors, all backgrounds, and typical-

ly range from \$1,500 to \$9,000. The application process is simple and straightforward with just one easy online application to apply for all available scholarships. Interested students are encouraged to apply today to take advantage of this fantastic opportunity.

"We're thrilled to be able to offer these scholarships to our students," said Wendy Jett, Executive Director of the Lane Community College Foundation. "We believe that education should be accessible to everyone, and these scholarships are one way that we can help make that happen."

Applications must be submitted by March 2, 2023. Students are advised to apply early and not wait until the deadline as there may not be sufficient time to respond to every inquiry at that time. Those seeking additional assistance with scholarship questions are encouraged to email the Scholarship Coordinator at scholarships@lanecfoundation.org. Current Lane students should use their Lane issued email and include their student L Number.

Quote of the Week

"In real life, I assure you, there is no such thing as algebra."

Fran Lebowitz

Ski Report

February 21, 2022

The Hoodoo Ski Area is closed on Mon. & Tues; open 9 a.m. to 8 p.m. Wed. to Sat; and Sun. from 9 a.m. to 4 p.m. The temperature Tuesday morning was 19 degrees at the base with West winds averaging 24 mph. 1/2 inch of new snow fell overnight, bringing the snowpack to 62 inches. For more information call 541-822-3337.

Mt. Bachelor reported temperatures of 27 degrees at the base and 20 degrees at the summit on Tuesday. 1 inch of new snow fell overnight, bringing the snowpack to 76 inches. The Northwest and cutback lifts were on hold and the Summit was closed for the day due to high winds averaging 36 mph. 121 of 122 trails were open. For more information call 541-382-7888.

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SODA	LINE	SLATE
ACID	ALAS	TABOO
STRATEGO	EDAM	
	AMISS	WED
CASSIS	FAREAST	
ARC	RHINOS	RIPE
TORTS	LEU	ESSEX
AMIR	CITRON	LAT
NAMIBIA	UDDERS	
	VEG	ASTOR
MAIL	HUMANITY	
SALAL	AGOG	VIAL
ANKLE	LUTE	ERRS
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SUDOKU SOLUTION

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McKenzie Students of the Month



Owen Young (7th grade) is a strong and resilient student. He is willing to challenge and push himself, even when it is tough. He has a great attitude and is a friend to many students here at McKenzie.



Grace Weiss (9th grade) is kind, considerate, thoughtful, courteous, and exemplifies good citizenship. She shows up everyday with a great attitude, is supportive of her peers, and respectful of everyone she interacts with. She is a hard working student who strives to do her best.

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Sun. Morn. 9:30am;
web page: sbldodge.opwest.org

McKenzie Valley Presbyterian Church
Please join us for worship Sundays at 10:30 am, either in church on Hwy. 126 just east of Walterville, or on our Facebook livestream. You may also make prayer requests, or request an emailed or earth-mailed bulletin -- phone or send email to Nancy Ashley, nancy.w.ashley@gmail.com, 541-914-1986. We would love to meet you!
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CROSSWORD

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- 55. Medicinal plant with purple berries
- 56. Bug-eyed
- 57. Tiny bottle
- 59. a.k.a. jumping bone
- 60. Plucked string instrument
- 61. Makes a mistake
- 62. *" ____ Day," desirable square in The Game of Life
- 63. Bard's before
- 64. Rip apart

DOWN

- 1. Govt. property org.
- 2. Fabled fliers
- 3. Mine passage
- 4. India's Chennai, pre-1996
- 5. Flooring choice, pl.
- 6. Hose woes
- 7. 100 centavos in Mexico
- 8. Rum cake
- 9. Particle in A-bomb
- 10. What's-old-is-new-again prefix
- 12. Somewhat late
- 13. Be at the helm
- 14. *Not chutes
- 19. #39 Across, pl.
- 22. Is no longer
- 23. *Trade, build, settle this island
- 24. Oenophile's concern
- 25. Curtain fabric
- 26. *Connect how many?
- 27. Theater passage
- 28. Asparagus unit
- 29. Written works
- 32. Hipbones
- 33. Butterfly catcher
- 36. *Like pursuit of no vital importance
- 38. " ____ a high note"
- 40. A Camel, for short
- 41. Result of equipment failure
- 44. The beauty of the ball?
- 46. Morgan Freeman in "Driving Miss Daisy," e.g.
- 48. Sign of bad news
- 49. Inflict a blow
- 50. Supernatural life force
- 51. Drunkard, slangily
- 52. Exhibiting good health
- 53. Swing seat, sometimes
- 54. Knitter's supply
- 55. Tree fluid
- 58. Dropped drug, acr.

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ACROSS

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- 5. Medicinal amt.
- 8. Say no
- 11. Popular Scotch mixer
- 12. Country dance formation
- 13. List of candidates
- 15. Certain battery component
- 16. Exclamation of sorrow
- 17. *"The Game of Unspeakable Fun"
- 18. *"Fascinating two-handed strategy game"
- 20. Dutch cheese
- 21. Not quite right
- 22. *"I thee ____"
- 23. CrÈme de ____
- 26. Where Japan is

- 30. Part of circumference
- 31. Threatened Asian or African odd-toed ungulate
- 34. Ready for picking
- 35. Reasons to sue
- 37. Romanian money
- 38. English county
- 39. Popular Arabic name
- 40. Lemon, in Paris
- 42. Latissimus dorsi, for short
- 43. Angola's southern neighbor
- 45. Dairy farm glands
- 47. Relax, or ____ out
- 48. Brooke or John Jacob, of New York
- 50. USPS delivery
- 52. *Cards against what?

Solution on Page 6

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Fill in the blank squares in the grid, making sure that every row, column and 3-by-3 box includes all digits 1 through 9.

Solution on Page 6

Septic fixes

Continued From Page 1

pleted by the property owner or a Licensed Onsite System Installer, certified by the DEQ.

• Completed septic projects must be inspected by Lane County, with permit status listed as "final."

• Septic system grant funding is retroactive to March 3, 2021

Any changes in ownership that may have occurred after the Holiday Farm Fire may impact landowner eligibility. Applicants who have received other federal disaster assistance may be impacted in their eligibility amounts.

"At this point, we are encouraging everyone in the fire-affected area to apply," said Misty Merriam, EWEB's customer programs coordinator, who is helping with applications. "Once you apply, we can match your request to the funds we have available. If we can't match you with these grants, we can recommend other sources of funding and still help you along."

EWEB is currently accepting applications and has already matched dozens of people to funds.

For upriver homeowners who have entered into loan agreements with EWEB's 0% Septic Infrastructure Loan Program since the fire, EWEB says it will provide these grant funds to qualifying homeowners to pay off remaining loan balances where applicable.

"We want to make sure that homeowners who have already taken steps to protect the watershed by repairing or upgrading their septic systems are eligible to receive these funds," Toth said. "Not everyone will qualify, but we welcome all interested homeowners to contact us to see what we can do to support their good stewardship."

To learn more about the Septic System Repair and Replacement Grants Program, go to the Landowner Assistance page at eweb.org/septic.

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Thurston Pack'N Ship	Leaburg Store
Riverview Market	Everyone's Market
Mather's Market	Vida Cafe
Stage Stop Restaurant	Takoda's Restaurant
Lucky Logger Restaurant	Blue Sky Market
McKenzie Feed And Tackle	McKenzie Station Pub

Incentives taking shape

Continued From Page 1

was close to an eviction. What I needed was time.”

The amended version of the bill eliminates a proposed safe harbor period that protected tenants from evictions for up to 60 days while state or local organizations processed their rent assistance applications. Removing that component meant Multifamily NW, a landlord advocacy group, now supports the bill.

But the change soured some tenant advocates on the bill. Alli Sayre, organizing coordinator for Portland Tenants United, said the tenants’ union supported the bill with reservations, calling it “another half measure.”

“Why can’t we just get it right the first time for once?” Sayre asked. “Make no mistake, negotiating with Multifamily Northwest and others to try to get their support is like negotiating with terrorists. They will never be happy. There is no regulation they will support. At the end of the day, the problem is that tenants cannot afford their rent.”

Modular building

The bill will direct \$20 million toward grants or loans to build modular housing, or homes that are partially built in factories and then pieced together on site. They’re a cheaper alternative to traditional homebuilding and more stable than manufactured homes because they’re attached to a permanent foundation.

Rep. Pam Marsh, D-Ashland, sees them as a way to meet Kotek’s goal of building 36,000 homes a year and help replace the nearly 4,000 homes lost in 2020 wildfires, many of which were in her southern Oregon district.

“Delay in housing replacement means that many families, including those in my own district, are still living in FEMA trailers, hotel rooms or other temporary quarters while they hope for permanent housing,” Marsh said. “To have any chance of achieving the governor’s target of 36,000 housing units a year, we need to take bold, innovative action.”

Modular homes can be mass-produced and stacked like LEGOs to form apartment complexes, and developers can use the same approved plans again and again in different communities without having to go through time-consuming approval processes, Marsh said.

Tom Cody, president and CEO of the development firm project^,

is working on modular home development in Bend, Medford and east Portland. His company already invested \$15 million, Cody said, and he said modular homes are less expensive and less risky than traditional homebuilding.

“When housing is built in a factory, it’s scalable, and it invites many different kinds of people to work in the construction trades that might not otherwise work on a typical construction site, people of color and women included,” Cody said. “It’s a very inclusive, safe environment for people to work.”

Housing grants

Another section of the bill, championed by Sen. Dick Anderson, R-Lincoln City, would provide \$3 million in revolving loans developers could use for infrastructure and predevelopment costs for homes for people making between 80% and 120% of the median income.

In the Portland area, that’s a single person making between \$59,680 and \$89,460, or a family of four earning between \$85,200 and \$127,800. For rent to be considered affordable, a family should spend 30% or less of its gross income on housing, economists say.

“We all know there is a need for more middle housing,” Anderson said. “This range of housing is difficult to build because it often does not pencil out financially. It usually requires some incentive or light subsidy.”

Anderson’s goal is a pilot project, with loans of up to \$500,000. Developers would pay a low interest, of up to 3%, and they’d be required to make sure homes built through the program are rented as primary residences and kept affordable to moderate-income households for at least 25 years.

“We just need to get some projects built to see if this predevelopment aspect of funding helps and gets more people into the business,” he said.

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Heat dome tree damage

Continued From Page 1



Foliar scorch became very visible in 2021.

that vein, implying that what we saw in June 2021 was just another example of drought damage and that the heat dome was a sort of extreme drought event.”

Still and OSU colleagues including ecologist and plant pathologist Posy Busby, H.J. Andrews Experimental Forest Director Mark Schulze, forest health specialist David Shaw, hydrologist David Rupp and geospatial climatologist Chris Daly say that damage can be driven by extreme heat alone, irrespective of prior hydrologic context and water availability.

They note that the heat dome was one of the most extreme heat waves ever recorded anywhere in the world and the most intense ever in the Northwest. The scientists also point out that there is “a clear distinction in the climate and hydrometeorological literature between droughts and heat waves” and that “heat waves are not just associated with droughts, as is commonly assumed, but are increasing in frequency during both wet and dry conditions.”

Among coastal Douglas-fir and western hemlock plantation forests in western Oregon and Washington, the most extensive impacts of the heat dome were in areas experiencing comparatively low levels of drought, the authors say. Conversely, many forests around Oregon’s Willamette Valley and along the western slopes of the Cascade Range that were experiencing severe to exceptional drought during the heat dome showed less foliar damage.

“It’s also important to remember that conifer needles can discolor for many reasons besides being dried out,” Still said.

Much of the observed “foliar scorch” resembled what is caused by heat generated from fires, Still said, and also followed patterns that suggest heat was the primary driver of foliar damage during the heat dome. Trees on south- and west-facing slopes and on exposed edges near roadsides generally showed the greatest scorch, and opposite sides of the same trees, or other trees on the same

hillsides, displayed little to none. “The scorching that did occur happened fast, within days and sometimes hours, much faster than would typically be associated with a malfunction of the trees’ water moving capabilities,” Still said. “And the prevalence of scorching in sunlit foliage also challenges the hypothesis that drought and hydraulic failure combined to be the primary cause of leaf damage.”

“Our prior work has shown drought-induced foliar browning in conifers can take weeks or even months to appear after lethal levels of drought stress,” added co-author William Hammond, an assistant professor of plant ecology at the University of Florida.

The scientists emphasize that they are not saying hydraulics played no role in the leaf damage, or in the subsequent death of some trees, but that extreme heat is the best explanation for the crown- and landscape-scale scorch patterns seen throughout the Pacific Northwest during and after the heat dome.

“Disentangling drought from heat damage is tricky, and we argue the research community needs to work much more on heat stress physiology,” Still said. “We need to explore connections between hydraulic properties and heat tolerance – safety margins, how evolution may have helped some species with heat tolerance, canopies’ ability to maintain leaf temperatures below damaging thresholds. What happened during the heat dome argues for a renewed emphasis on understanding the underlying physiological and biophysical mechanisms that can lead to heat resilience.”

College of Forestry research associate Adam Sibley is a co-author of the commentary, as are scientists from the U.S. Forest Service and a pair of Australian organizations, Biodiversity and Conservation Science and the Commonwealth Scientific and Industrial Research Organization.

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