

October Crossword Puzzle

- Across**
- Peter I, for one
 - Border plant
 - Call to a mate
 - Altar locale
 - Gibson garnish
 - Ice cream treat
 - Quarterback's option
 - Girdler material
 - Comedienne Imogene
 - "Halt!"
 - Verse of four measures
 - Show fear
 - Dead letters?
 - Kind of cord
 - Chill out
 - Unrefined
 - Energize (with "up")
 - Block
 - Hourly charge
 - Stake
 - Look after
 - Chowed down
 - Neglected boy
 - Abstain
 - From the age of chivalry
 - Plow's trail
 - "Gosh!"
 - Heart line
 - Smelly pranks
 - Desire
 - Fashion designer Chanel
 - Circa
 - Showy flower



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|---------------------------|--------------------------|----------------------------|
| 58. Unpleasant emanation | 9. Darkroom apparatus | 35. Tex-Mex staple |
| 59. Hangman's knot | 10. Click the OK button | 40. Nerdy one |
| 60. Air show stunt | 11. Knee-slapper | 41. PETA peeve |
| 61. Strengthen, with "up" | 12. Enough, for some | 43. Slight, in a way |
| 62. Dissuade | 13. Academic period | 44. Encourage |
| 63. Kitty starter | 22. Personal air | 46. Bullying, e.g. |
| | 24. Is no longer | 47. Kilt wearer |
| Down | 26. "Beat it!" | 48. Type of list |
| 1. Last call? | 27. Go on and on | 49. Desktop feature |
| 2. Cross words | 28. Watch | 50. Double-reed instrument |
| 3. Kind of press | 29. Square | 51. Kind of court |
| 4. Answer | 30. Mental lapse | 53. Congeal |
| 5. Inexpensive lodging | 31. Ballroom dance | 54. Hoopla |
| 6. Script direction | 34. Buddhist leader | |
| 7. South Beach, for one | 37. Range of frequencies | |
| 8. Suffix with theater | | |

Ring of Fire Eclipse in Oregon.



it's safe to look with unprotected eyes. In 2017 the disc of the moon was bigger than the sun. That's what created totality for 2 minutes. In October 2023 the disc of the moon will be smaller than the disc of the sun by about 6%, and people will be able to see the Ring of Fire for a full 4 minutes in the path of totality. The sky will get dark but not fully as dark as in 2017. Animals will get quieter and you'll be able to see shadows of trees and other landscape elements.

You'll get to see the sun appear as a thin ring, almost but not completely eclipsed by the moon. Annularity happens when the moon is at its furthest point from the Earth and passes between the Earth and the sun. The moon essentially appears smaller than the sun, causing the visible ring of light around it.

Wherever you are, make sure to protect your eyes while viewing with eclipse glasses and follow these tips on how to view a solar eclipse safely. Eclipse glasses are available for purchase at the OMSI Science Store, or stop by a Travel Oregon Welcome Center between Oct. 1 and Oct. 14 to pick up a free pair (while supplies last). During the annular phase, the sun shines brightly enough to damage your eyes if you view it without a protective filter. Use only an approved solar filter that blocks dangerous ultraviolet and infrared radiation as well as visible light.

The centerline of the eclipse will enter the U.S. in Oregon around Reedsport at approximately 8:05am PDT, with annularity beginning in that location at about 9:15am PDT. When it first touches U.S. soil on the coast on Saturday morning, having left the Pacific Ocean only about 5 minutes earlier, the eclipse will be very low in the sky. At only about five degrees above the horizon at the start of the partial phase and about 17 degrees during annularity, observers will need to find a location free of tall buildings, trees, and terrain in the direction of the Sun. Oregon's beaches will likely be a popular gathering spot within the 137-mile-wide path of annularity, but remember that the

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Sun will be rising in the east, not over the water. The maritime climate along the coast could also produce morning clouds and fog that might obscure the view.

For the area around Drain, annularity will occur around 9:16:29 am local time. The speed of the shadow at that time is around 6,913mph. The shadow will last about 4 minutes and 26 seconds. The moon's shadow will complete passage there at about 9:20:54 and the speed of the shadow will have diminished to about 4,670mph.

Better weather might be found farther inland in the valleys beyond the Coast Range, but even there morning fog might be a problem. Drain happens to be located just north of the centerline of the eclipse path, with annularity lasting for about 3 minutes and 55 seconds in the downtown area. Interstate 5 crosses the entire width of the eclipse path between the Coast Range and the Cascades.

Crater Lake National Park might be an appropriate place to view an eclipse and it's located relatively close to the centerline. If you decide to view the eclipse from here or anywhere else in the cloud-prone Cascades, make sure to check short-term weather forecasts in the days before the eclipse. Don't forget, it often snows here in October.

Beyond the Cascades, the path of annularity descends down into Oregon's high desert, which promises a relatively good possibility of favorable eclipse-watching weather. Klamath Falls is located between the centerline and the western edge of the eclipse path, with annularity lasting for about 3 minutes and 23 seconds in the downtown area.

The centerline of the eclipse exits the state at approximately 10:44am PDT, with annularity coming to an end in that location at about 9:23am PDT. From the Pacific Ocean to the Oregon-Nevada border, the Moon's shadow travels approximately 276 miles along the centerline in 3 minutes and 18 seconds at an average speed of 5,025 miles per hour.

If you have a newsworthy item to share with the Herald, you can send text and Photos to news@ndherald.com

Budget-Friendly Gardening Hacks

(Family Features) Gardening can be a simple way to beautify your yard, relieve stress and save money on your grocery bill, but like any hobby, you can get carried away buying necessary equipment.

Fun, frugal and environmentally friendly, these tricks can help you create a cost-effective garden:

- Use a yardstick and permanent marker to mark inches and feet on the handle of your rake, shovel or hoe. The next time you plant, simply lay the marked handle along the row to create perfectly spaced holes for seeds.
- Line the bottom of a clay pot with a coffee filter to keep soil from leaking out the bottom.
- Use empty plastic water bottles or clear milk jugs to fill the bottom of large pots. They reduce the weight of the pot and require less soil to fill.
- To test your seeds to see if they're still viable for this planting season, place a wet paper towel inside a zip-top bag, drop in 3-4 seeds and wait a week to see if

anything grows.

5. One way to help prevent weeds is lining your garden with a layer of newspaper. Just top two or three sheets of newsprint with a layer of pine needles, grass clippings or dried leaves for an eco-friendly and inexpensive weed barrier.

6. Keep gardening twine handy. Nail a funnel to your potting bench with the spout pointing downward, feed the twine through and your string will never go missing. For a more portable solution, place a ball of twine inside a canning jar, make a hole in the lid and feed the end of the twine through the hole. Now, you can take twine anywhere, tangle-free.

7. There is no need to buy expensive potting systems for starting seedlings. Place several cardboard toilet paper rolls inside a clean plastic clamshell, like those used for premade salads. Fill each cardboard tube with potting soil and plant. Once your seedlings grow too tall for the clamshell, simply tear off the top lid.



Good News Club

What is a Good News Club?

Good News Club® is a ministry of Child Evangelism Fellowship in which trained teachers meet with groups of children in schools, homes, community centers, churches, just about anywhere the children can easily and safely meet with their parent's permission.

As with all CEF ministries, the purpose of Good News Club® is to share the love of Jesus with the children and give them an opportunity to learn more about the Bible in a safe and fun way!

Specially trained Christians who are concerned for the well-being of your child teach the club. All club workers are screened as required by CEF's Child Protection Policy and thorough background check to ensure your child's safety.

Other Volunteers:
Sally Logan
Becky Greenman
Eric Reed
Alannah & Ashor Orr

For Your Information

Good News Club is a ministry of
Umpqua Chapter
Child Evangelism Fellowship



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Elkton Good News Club Details

Day: Wednesdays when school is in session
Time: 2:15-3:15
Place: Elkton Bible Baptist Church
Beginning: October 11, 2023
Ending: May 15, 2024

Good News Club will be held at Elkton Bible Baptist Church. The Church bus will be used to transport children to and from the Club. Children will be returned to the school in time to ride the school bus home. If you have questions please call Betty Edwards 541-863-2562