

OCTOBER 2024

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ACS Richland Local Section is now on LinkedIn!

We will be sharing info related to local section events and opportunities.

**LET'S CONNECT!**

<https://www.linkedin.com/company/american-chemical-society-richland-local-section/>



 **BALLOTS DUE**  
**NOVEMBER 13**

**PLEASE VOTE**  
YOUR PARTICIPATION IS APPRECIATED!

# Section Elections

*2025 Section Officer Voting Instructions*

The election for officers of our local ACS Section will be conducted electronically. The ballot will be sent to the email address you provided to ACS in your "Yellow Book" member registration. You will receive an email with a link to a survey. Simply follow the link to see the ballot where you can vote for each position. The voting process is very straightforward and will take about one minute. Note that the ballot has the option for write-in candidates, per our bylaws. **Voting will open on November 1, 2024 and close on November 13, 2024.**

Any member who wishes to vote with a paper ballot may request one by contacting Shirmir Branch at [shirmir.branch@pnnl.gov](mailto:shirmir.branch@pnnl.gov)

## ANNUAL MEMBER RECOGNITION SOCIAL

Another successful year is coming to a close and to celebrate we invite YOU, our members and volunteers, to our Annual Social & Awards Ceremony.

The social offers the opportunity to meet old friends and make new ones. It also gives us the opportunity to share with you what the section has accomplished throughout the year. As always, we will be celebrating our hardworking members and volunteers!

Our social evening will include TWO presentations fitting our "Picture Perfect Chemistry" theme by Rich, Master Photographer, from Breshears Professional Photography and Richard Nguyen, radiologist, from Inland Imaging. Attendees will also have the opportunity to view research posters presented by the students of Eastern Oregon University.

As always, there will be food and drinks for enjoyment. This year **Pupuseria Salvadoreña Restaurant** will be catering their delicious food and aguas frescas along with wine.

**SAVE THE DATE! NOVEMBER 8 6-8:30PM**

**RIVERVIEW ROOM / RICHLAND COMMUNITY CENTER**

500 Amon Park Drive in Richland

**RSVP** <https://forms.gle/m4YM5hFaChk9QaR99>

## POINT TO PONDER

Eighty percent of success is showing up." — *Woody Allen*

# PRESENTING THE 2025 SLATE OF CANDIDATES

## CHAIR-ELECT *Vanessa Dagle*



Dr. Dagle came to the PNNL in 2007 and joined the Energy & Environment Directorate in 2009. She received her Ph.D. in Chemistry from the Laboratory for Catalysis and spectrochemistry, University of Caen (France). She has 20 years of experience in the area of heterogeneous catalysis and chemical process development. Her current research activities are focused on the catalytic upgrading of biomass-derived oxygenates to fuels and chemicals. Experience with various catalytic chemical processes includes thermochemical conversion of syngas to fuels, catalytic tar and methane reforming for biomass derived syngas clean up, olefins oligomerization, steam reforming of hydrocarbons and alcohols, selective CO methanation, and water-gas-shift catalysis. Her work has benefited clientele in both the government and private industry arena and has resulted in numerous journal articles (> 40), 7 patents and multiple presentations.

She has been a member of the American Chemical Society since 2012 and she has served as the secretary of the Richland local section for the past 2 years. She would like the opportunity to continue her service for the Richland local section and its members.

## SECRETARY *Emily Diaz*



Hello, my name is Emily Diaz. My roots have been well planted in Washington State where I have come to enjoy a community that is rich in diversity and curiosity. My early studies and love of science led me to pursue a bachelor's degree in environmental science through WSU (go Cougs!). While completing my bachelor's, I was given the opportunity to work with PNNL through an internship developing renewable fuel technologies. Excited and hungry to learn more, I am now pursuing a PhD. in engineering science through WSU while continuing to work as a staff scientist at PNNL. I hope to learn more about renewable fuel and revolutionary technologies that can help advance our community to a safer, brighter future.

Most of my time outside of my studies has been invested in volunteering to work with the youth at my local church and for local outreach activities with the nonprofit organization, Mission Agency Christ Through You. I have helped organize activities such as socials and crafts projects to encourage a sense of community for local youth members. I am excited for the opportunity to serve as ACS local section secretary.

## TREASURER *Jared Kroll*



Jared is a chemist at Pacific Northwest National Laboratory (PNNL) where his current research focuses on CO<sub>2</sub> capture and conversion. He has been able to participate in many different projects throughout his twelve years at PNNL that have reflected his passion for chemistry, including modeling properties of nuclear waste glasses, development of alternative waste forms for the immobilization of nuclear waste, and the synthesis of chemical probes for investigating biological systems. He has published over a dozen journal articles and technical reports, and has had the chance to speak at several material science and chemistry conferences throughout the U.S. and abroad. In addition to his work at PNNL, he has had the opportunity to work as an Adjunct Chemistry Instructor at Columbia Basin College.

Jared holds an A.A.S. in Nuclear Technology from Columbia Basin College, as well as a B.S. in Physical Sciences with a Minor in Chemistry, and M.S. in Chemistry from Washington State University. He has been an active member of ACS since 2021, including serving as Chair of the Chemical Safety Committee for the past two years. This year, he is looking forward to further serving the ACS Richland Section as Treasurer.



# Eastern Oregon University Student Member Chapter

Congratulations to the EOU Chemistry Club for earning yet another outstanding award! This marks fifteen years in a row for the club to be recognized by the American Chemical Society with the highest award bestowed to a Student Chapter! In 2024 the Society Committee on Education (SOCED) awarded 56 Outstanding Awards out of almost 1,000 chapters across the nation.

Members of EOU's chapter will travel to San Diego in March 2025 to receive the award at the ACS National Meeting. The club received glowing reviews based on the report that was submitted to ACS in May 2024. Reviewers remarked that "the chapter has done a wonderful job supporting its members and the local community." The club organized or participated in many outreach activities

including Saturday Science at Columbia Basin College and Investigators of Science at EOU which earned the Richland Section a ChemLuminary Award at the 2024 ACS Fall meeting in Denver. It also provided opportunities for professional engagement, including hosting seminar speakers, career preparation, participating in activities organized by the ACS Richland Section, and attending the ACS National Meeting. Students enjoyed traveling to New Orleans where they presented research posters, engaged in networking opportunities, and attended numerous events geared towards undergraduate students. A big THANK YOU! to the ACS Richland Section for providing generous support for the Chapter's activities.

# 15 YEARS OF EXCELLENCE



# CROSSWORD PUZZLE - CHEM DOODLES!

**ABOUT THE AUTHOR** Robert Pike is a professor of chemistry at The College of William & Mary. He is an inorganic chemist with interests in Materials for Sensors and Catalysts, Metal-Organic Networks Chemistry, X-Ray Crystallography, and Chemistry Education, in addition to creating crossword puzzles.

**Chem Doodles** Robert D. Pike

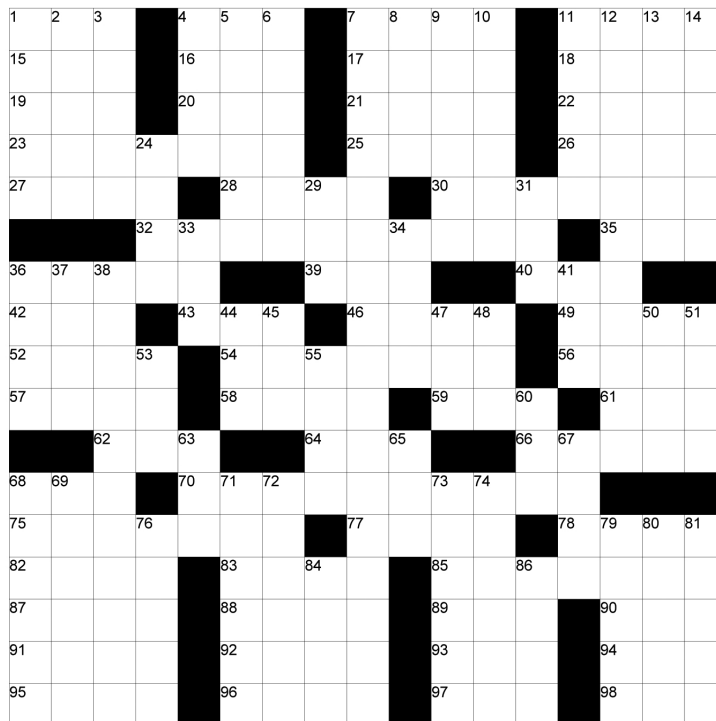
## ACROSS

1. Head gesture
4. Consumed
7. Begged
11. Wound legacy
15. Here in Paris
16. Fiat \_\_\_\_ (Gen. 1:3)
17. City built on seven hills
18. It may be carried by an artist
19. The SAT people
20. Unstable tetrasubstituted aromatic compound
21. City on Utah Lake
22. Energy units
23. Doodle I
25. Anti-fur grp
26. Jazz singer Fitzgerald
27. The alternative
28. A green-eyed monster
30. Several were cataloged by Alanis Morissette
32. Doodle II
35. Govt agency that often funds PBS shows
36. Florida player
39. Protein prefix
40. A gamete
42. Mass spec instrument type (abbrev)
43. Freudian personality component
46. Very long periods of time
49. Goals
52. Lab sample container
54. Doodle III
56. Lab synthesis
57. "The Simpsons" Mrs. Krabappel

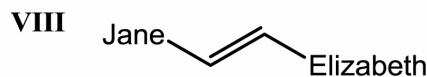
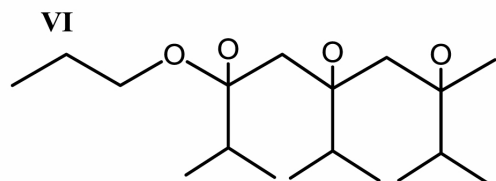
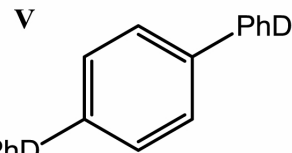
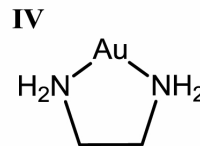
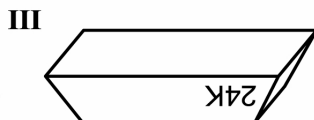
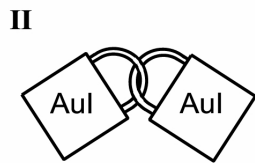
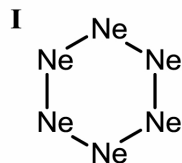
58. Supremes classic "\_\_\_\_ in the Name of Love"
59. Mandela org.
61. Canoeing need
62. Rejuvenation locale
64. Self-proclaimed "The Greatest"
66. Fran Drescher character
68. The year Innocent I became pope
70. Doodle IV
75. DNA-packaging protein
77. Tied
78. Part
82. Tax-advantaged IRA
83. Finger of land
85. Doodle V
87. Organic lab problem
88. Every one
89. Poetic preposition
90. Serious driving citation, abbrev
91. C.S. Lewis book "\_\_\_\_ Christianity"
92. Woody plant
93. Physicians' org.
94. It might be Am. or Brit.
95. In Latin Hamlet's soliloquy would begin thus
96. Adv. degree
97. Cooking meas.
98. "Owner of a Lonely Heart" band

## DOWN

1. Sister's daughter
2. Eight carbon radical
3. Information platters
4. Harmonizer
5. \_\_\_\_ of Love
6. Go so far as
7. Doodle VI
8. Collection of tales
9. It causes vomiting
10. Note a place
11. "The Boss" minus Spring
12. Doodle VII
13. "Life of Pi" director
14. Fix a window
24. Building toy
29. By way of
31. Sugar suffix
33. Mineral source
34. Alleee \_\_\_\_
36. Donate
37. Electrophile
38. Doodle VIII
41. Mind the \_\_\_\_
44. High entropy state
45. No longer fashionable
47. Govt data-mining agency
48. Anti anti
50. Average
51. Lively
53. It appears when you sit
55. Animal of order Anura
60. Wolf Blitzer's channel
63. Previously
65. Function type, abbrev
67. Home of the Taj Mahal
68. Electroplate finish
69. Solid state electronics components
71. Beginnings of symptoms
72. Where you might walk your chien
73. Do-over
74. Up \_\_\_\_ (mad)
76. \_\_\_\_ sheets to the wind
79. Abnormally
80. Current FX sitcom
81. Egresses
84. Cooled to zero degrees Celsius
86. Gather in what was sown



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## UPCOMING EVENTS & THINGS TO KNOW

### 2024-25 LS-MEET GRANT AWARDED TO SECTION

Thanks to Secretary Venessa Dagle, the Section was awarded the LS-MEET Grant. To learn more about the grant, please reach out to any of our Section officers.

### COYOTE CANYON MAMMOTH DIG SITE TOURS

If you missed out on the recent tour, be sure to keep an eye out for Section emails and our website for more info!

### INVESTIGATORS OF SCIENCE

On November 2, Eastern Oregon University will host *Investigators of Science*, which allows middle school students the opportunity to integrate several fields of science to solve a mystery. In this year's event, they will be tasked with exploring why the fish in a hypothetical water system are dying off at a rapid rate. Students will utilize tools from Biology, Chemistry, Math, and Computer Science in an attempt to piece together the puzzle.

In conjunction with National Chemistry Week, students will specifically learn about how chemistry has led to the development of fluorescent imaging techniques and how they can be employed to understand disease (including in fish)!

Through this engaging, hands-on experience, students will gain valuable insights into the interconnected nature of scientific disciplines and the real-world applications allowing us to explore the world around us. This annual event has won nine awards from the ACS!

## UPCOMING EVENTS

### NOVEMBER 2

#### INVESTIGATORS OF SCIENCE AT EOU

La Grande, OR

**Information:** Colby Heideman [cheideman@eou.edu](mailto:cheideman@eou.edu)

### NOVEMBER 8

#### ANNUAL MEMBER RECOGNITION SOCIAL 6-8:30PM

Riverview Room, Richland Community Center, 500 Amon Park Drive, Richland, WA 99352

**Information:** [sonia.alcantaranguiano@pnnl.gov](mailto:sonia.alcantaranguiano@pnnl.gov)

**RSVP form:** <https://forms.gle/m4YM5hFaChk9QaR99>

### NOVEMBER 13

#### SECTION ELECTION BALLOTS DUE

Shirmir Branch: [shirmir.branch@pnnl.gov](mailto:shirmir.branch@pnnl.gov)

### NOVEMBER 15

#### LAMB WESTON FACILITY TOUR

More details and an RSVP email are coming soon!

## CHAIR'S CORNER by Shirmir Branch



Greetings, Members! We are nearing the end of 2024, which means it is time to begin preparing for 2025 activities to serve you, the members. The Executive Committee has been hard at work deciding on programming for technical talks, tours, outreach, and social events in the next year. As we bring this year to a close, we hope to see you at our remaining events detailed in this newsletter. We will be having a hybrid Science Café at the Richland Public Library, as well as various events for this year's ACS National Chemistry Week ("Picture Perfect Chemistry"). We especially hope to see you at this year's Annual Social in November to celebrate all of our members and recognize their accomplishments. In this quarter's newsletter, you will also see information about our Executive Committee candidates for 2025. Please keep an eye on your emails for voting in the upcoming weeks. Beyond the Executive Committee, there are always opportunities to volunteer with the Section. Whether it be on one of our standing and appointed committees [www.acsrichland.org/about/leadership/](http://www.acsrichland.org/about/leadership/) or simply by providing input for events, outreach, or awards this Section is run by its members for its members and our local community. I hope to see you at our future events, especially at our annual social. If you have any questions, please don't hesitate to contact [shirmir.branch@pnnl.gov](mailto:shirmir.branch@pnnl.gov).