

The Ohio Academy of Science newsletter has arrived!



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## OAS NEWSLETTER - FALL 2022, PART I

**Dear Members, Friends, and Volunteers,**

The Fall Newsletter is filled with updates and information as we transition into a new academic year. To the researchers that provide unique contributions to science and its applications, thank you for choosing to participate in OAS programs and events. To the educators, mentors, and advisors, thank you for shaping the next generation of STEM talent. Lastly, to the members, sponsors, and volunteers, thank you for the support and the resources to make this happen.

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### Board of Trustees

We are excited to announce our updated Board of Trustees!

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If you are interested in running for a board position, please contact us at [info@ohiosci.org](mailto:info@ohiosci.org).



## The Ohio Academy of Science Appoints New Journal Editor

The Ohio Academy of Science has appointed **Dr. Barry J. Allred**, a recently retired career professional with the United States Department of Agriculture (USDA), as Editor of *The Ohio Journal of Science* effective January 1, 2023. He succeeds the current volunteer editor, Dr. Lynn E. Elfner, who is retiring.

During the last 24 years, Dr. Allred held positions of Agricultural Engineer with the USDA-Agricultural Research Service and Adjunct Assistant Professor in the College of Food, Agricultural and Environmental Sciences at The Ohio State University, Columbus, Ohio. A member and volunteer of The Ohio Academy of Science, he has authored or co-authored more than 60 peer-reviewed scientific papers.

Dr. Allred holds a PhD from Oklahoma State University, a master's degree from Western Michigan University, a master's degree from Northern Illinois University, and a bachelor's degree from Oklahoma State University.

He is a registered professional engineer, a licensed professional geologist, and holds a US Federal Aviation Administration remote pilot certificate. His specialties include hydrology, geotechnical and agricultural engineering, geology and geophysics, soil science, and computer modeling.

Founded in 1900, *The Ohio Journal of Science* is an Open Access, online, international, multidisciplinary journal published by The Ohio State University Libraries on behalf of The Ohio Academy of science. Readership is worldwide in more than 160 countries with daily accession of more than 900 hits



## Environmental Science Scholarship Awardees

Nine environmental science and engineering students received scholarships to study at Ohio colleges and universities this year, through Ohio EPA's Environmental Education Fund.

"We are making an investment in today's environmental scholars to foster stewardship well into the future," said Ohio EPA Director Laurie A. Stevenson.

Students in four-year programs who will receive a \$5,000 scholarship for the 2022-2023 academic year include:

- **Semra Dervisevic**, Cleveland State University (Environmental Science and Environmental Studies), Lakewood
- **Catherine Kirk**, Otterbein University (Biology and Biochemistry), Sardinia, OH
- **Hannah Leibman**, University of Cincinnati (Environmental Engineering), Prospect, KY
- **Jenna Schniegenberg**, University of Cincinnati (Chemical Engineering), Brecksville
- **Sunniva Sheffield**, Oberlin College (Environmental Studies and Biochemistry), Pittsford, NY
- **Taylor Shimek**, Muskingum University (Conservation Science), Zanesville
- **Hanna Sturgeon**, Otterbein University (Environmental Science and Sustainability Studies), Newark
- **Justin Thompson**, Kent State University (Environmental Studies), Ashtabula
- **Kylie Youst**, Kent State University (Environmental Studies), Hanoverton

This year's candidates have a variety of research and work experience on topics such as: Impact of California wildfires on urban air quality, Oxidation for removal of microcystins from drinking water, Design of lithium ion batteries for storage optimization, Impacts of biochar applications on soil and plant health, Nuclear resonance imaging of organic aerosols, Obligate grassland birds, Environmental climate justice, and Community gardens

A total of \$45,000 was awarded this year. Since the scholarship program began in 2000, \$1,009,950 has been awarded statewide to 398 students at 52 Ohio colleges and universities. Funding comes from civil penalties collected by Ohio EPA for violations of air and water pollution control laws.

The scholarship program is administered by the Ohio Academy of Science. The next application deadline for scholarships is April 15, 2023. Additional information about the scholarship is available by calling Ohio EPA's Office of Environmental Education at (614) 644-2873 or visiting Scholarships and Career Exploration | Ohio Environmental Protection Agency.

To learn more about the Ohio Academy of Science and find application forms, please visit [www.OHIOSCI.org](http://www.OHIOSCI.org).

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## Annual Meeting 2023

We are pleased that the 2023 Annual Meeting will be held on **April 15th at Edison State Community College** in Piqua Ohio. Edison State Community College was chartered in 1983, it's campus spans 131 acers in Piqua County.

Call for proposals will be from November 1, 2022 - January 31, 2023.

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## Membership Spotlight Dr. Marc Behrendt



Dr. Behrendt has been a local science fair judge for more than 40 years, and has judged State Science Day for more than two decades. “When I talk to the students, my primary goal is to support and reinforce their excitement and interest. It is as much a celebration of a really ‘cool’ project, as it is evaluating that project.” Dr. Behrendt has taught middle school, high school, university, and adult students. “I want my students to realize the awe and wonder of everything around us. Nothing is more exciting in teaching than to hear a student exclaim, ‘wow!’” Dr. Behrendt is also a volunteer biologist and educator for the Ohio Division of Wildlife, Archbold Biological Station, and Conservation Florida, where he encourages children and adults to get outside and experience nature, no matter whether it is in one’s back yard, a local park, or in deep woods.

Dr. Behrendt is presently an adjunct Professor with Ohio University and Webber International University in Florida. He graduated from North Olmsted High School, and then earned a B.A. in Biology from Wittenberg University (1977) with Medical Technologist MT(ASCP) certification before working 20 years in a medical center laboratory, 10 of which as evening shift supervisor.

Dr. Behrendt assembled and operated a private fossil preparation laboratory, preparing fossils for museums, universities, and private collectors. He was the co-founder of Perry County Big Brothers/ Big Sisters.

If you would like to be considered or nominate someone for a Member Spotlight, please email [alygruber@ohiosci.org](mailto:alygruber@ohiosci.org).

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**Please forward this email on to any of your colleagues that may be interested in the Academy or our programs, and contact us any time for more information.**

**Sincerely,**

  
Michael E. Woytek  
Executive Director

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