

The Ohio Academy of Science Newsletter

Spring 2020 Part I



Ohio's rich legacy of discovery and innovation has had the profound effect on changing the world through science and technology. Today, Ohioans are leading the fight against COVID-19 by using innovation to re-purpose processes and manufacturing to address this global pandemic. On a daily basis, Governor DeWine and his team are sharing examples and illustrations of our fighting spirit and ingenuity. Using teamwork and collaboration, Ohio's research scientists and public health officials are developing new testing procedures, and the necessary materials and equipment needed to protect the front-line of first responders, nurses, and physicians.

This underscores the importance of research and medical advancements. Not to mention the need for greater scientific literacy among all portions of our population.

Among the key contributors in fighting COVID-19 are Charles River, Battelle and The Ohio State University. Each are member organizations in The Ohio Academy of Science and for many years, they have supported OAS programs that foster curiosity, discovery, and innovation. Thank you for leading Ohio's efforts during this difficult time.

This OAS Newsletter will bring you current on how COVID-19 has changed plans for each of our spring programs and events.

Annual Meeting 2020

The 129th Annual Meeting (April 18) at Cleveland State University has been cancelled due to COVID-19.

Communications have been sent to first authors and all registrants. If you feel that you haven't received notification, please send an email to info@ohiosci.org or call 614-389-2182.

Abstracts that were peer-reviewed and accepted have been published in [The Ohio Journal of Science, Volume 120, No. 1.](#)



Special thanks to Cleveland State University and our hosts Dr. Meredith Bond, Dean of Sciences & Health Professions and Sandra Justice for the months of planning and the serious attention to every detail.

Save the date for Annual Meeting 2021 on Saturday, April 24th at Edison State Community College.

American Junior Academy of Science

The American Junior Academy of Science Annual Meeting took place from February 12-15 in Seattle, WA. This meeting is held in conjunction with the AAAS Annual Meeting, the largest scientific gathering in the world. Students are not only given the opportunity to present research, but they network and interact with renown scientists and engineers, visit research facilities, attend plenary lectures, and to share these experiences with like-minded, fellow student scientists.

This year's delegation included:

Laalitya Acharya – William Mason HS (Mason)
Garrett Blum – University School (Hunting Valley)
Jessica Chang – Hathaway Brown (Shaker Hts.)
Ryan Devine – University School (Hunting Valley)
Michelle Dong – Hathaway Brown (Shaker Hts.)
Grace ElHindi – Beaumont School (Cleveland Hts.)
Ella Kazazic – Hathaway Brown (Shaker Hts.)
Sophie Laye - Hathaway Brown (Shaker Hts.)
Shruthi Ravichandran - Hathaway Brown (Shaker Hts.)



Arya Sambandan (Solon HS) presenting her research poster on the *Cyber Vulnerabilities of Medical Devices*



Bill Gates was a keynote speaker at the AAAS Meeting. Mr. Gates' speech centered on the recent investments made by the Bill and

Arya Sambandan – Solon HS (Solon)
Mukund Seshadri – Dublin Coffman HS (Dublin)
Aaron Ziegler – Seven Hills HS (Cincinnati)

Melinda Gates Foundation for
improving public health in
underdeveloped countries

District Science Days and State Science Day are going Virtual

Talk about a lot of changes since the last newsletter!

Due to closures at each of Ohio's colleges and universities, District Science Days and State Science Day will not take place as in-person and on-campus events. Rather these events will take place through an on-line process (STEM Wizard) that is virtual, and it will include judging and the opportunity to earn sponsored awards and scholarships.

For more information on how this will work please visit the [District Science Day](#) and [State Science Day](#) pages on the OAS website.

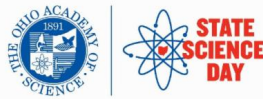
This wouldn't be possible without the hard work and dedication of the OAS Junior Academy Council. This committed group of STEM leaders understands the importance of student research and the effort put forth to complete these projects.

OAS Junior Academy Council Members and Affiliated Institutions

District 1 – **Edison State Community College** (Dr. Martin English and Ms. Angela McMurry)
District 2 – **University of Toledo** (Dr. Mark Camp and Ms. Abbie Smith)
District 3 – **OSU Marion** (Dr. Qudsia Tahmina and Ms. Deb Bogard)
District 4 – **Ashland University** (Dr. Jeffrey Weidenhamer and Mr. Jeff Steele)
District 5 – **University of Akron** (Dr. Ali Dhinojwala and Ms. Sheila King)
District 6 – **Ohio Northern University** (Dr. Jamie Stanford and Ms. Jeanette Marshall)
District 7 – **Columbus State Community College** (Dr. Sharon Stickle and Mr. Larry Hohman)
District 8 – **Ohio University Lancaster** (Dr. Sandra Doty and Ms. Kris Thrush)
District 9 – **Zane State College** (Dr. Elizabeth Kline and Ms. Danielle Casey)
District 10 – **Central State University** (Dr. Candance Lowell and Ms. Beverly Stambaugh)
District 11 – **University of Cincinnati** (Mr. Greg Hollon and Mr. Jason Gerst)
District 12 – **Ohio University** (Dr. Natalie Kruse and Ms. Melissa Payton)
District 13 – **University of Mount Union** (Dr. Christopher Stanton and Ms. Jamie Greiner)
District 14 – **University of Rio Grande** (Dr. John Means and Ms. Tara Byrd)
District 15 – **Youngstown State University** (Dr. Michael Serra)
District 16 – **Belmont College** (Mr. Chris Clantz and Ms. Rebecca White)
District 17 – **Southern State Community College** (Dr. Russ Kincaid)

Support from our sponsors and award providers has been overwhelming.
Thank you for helping us during a difficult time.

TITLE SPONSORS FOR STATE SCIENCE DAY



JUDGES – WE NEED YOUR HELP

If you're telling yourself this just isn't the same. Your right, but its for the same good reason to support student research and to help students learn science and engineering through practice and application.

You won't have to get up at 5:00 AM (or earlier for many) and drive to St. John Arena/French Field House, and you can choose a convenient time to judge projects from home, on the couch or at the kitchen table. There will be an on-line tutorial and a judge's orientation.

[Please visit our website to either log into your STEM Wizard account or register to become a judge.](#)

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,

A handwritten signature in blue ink that reads 'Michael E. Woytek'.

Michael E. Woytek, Executive Director
The Ohio Academy of Science