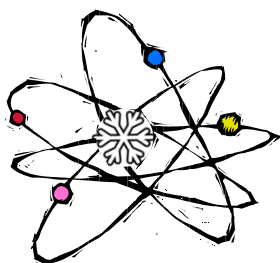




NAAS NEWS

NEWSLETTER OF THE NATIONAL ASSOCIATION
OF THE ACADEMIES OF SCIENCES

Winter 2020-2021 Edition



A Letter from the NAAS President

Michael Strauss, President of NAAS

The AJAS/NAAS meeting this past year in Seattle was an overwhelming success and one to which I had looked forward. When I directed the AAAS Meeting Seattle was one of our favorite cities and the Sheraton Hotel next to it was, in my opinion, the best conference hotel in the country. By all accounts the meeting was a tremendous success. But there was another "visitor" in the Seattle area not as welcome. As we met there were early reports that Covid-19 had been found in the U.S. I doubt any of us suspected the shocking changes to all our lives that were soon to come!

As student scientists many of our AJAS Fellows know and appreciate the scientific urgency that have been the search for treatments, cures, and vaccines. The world has had a front row seat in how science works as data and findings have emerged and theories and understanding of Covid-19 have developed. New technologies have been essential to the speed of research into the first truly global pandemic in a century. If we have learned anything it is the importance of science, scientific research, and reliable accurate scientific information to society.

Science is about more than sequencing a gene, developing a technology, or understanding a basic process and, often it is the communication of our science, both in writing and in talks, that is the most challenging. But in the words of a colleague, "Science that is not communicated is NOT science!" If you cannot tell people what you have done, then it is as if you had never done the research. So communication is, and will continue to be, an essential skill for scientists.

CONTINUED ON PAGE 6



AJAS Director
Lee Brogie

The 2021 AJAS Conference Goes 100% Virtual

By Lee Brogie, AJAS Executive Director

"Science belongs to all people"
-AAAS Past-President Warren Weaver, 1955 President's Address in Atlanta

As I was preparing a talk for the Colorado-Wyoming Junior Academy of Science titled The AJAS Experience, I ran across the above quote from Dr. Weaver. It really struck a chord in my heart. Science does belong to all people, and the virtual experiences being planned for the 2021 AAAS Annual Meeting and AJAS Conference, makes these events accessible to all who have internet access. In addition, it does not limit us to a 4-day convention and it allows attendees to view the recorded sessions at their leisure--no more worries when 2 of your favorite sessions are scheduled at the same time!

The 2021 AJAS Annual Meeting was originally scheduled to take place in Phoenix, Arizona, February 10-14. In June the decision was made for their meeting to go 100% virtual. The Virtual Annual Meeting will go "live" February 8-11 from 10:45am to 5:00pm Eastern Time, with related pre-released materials available starting in late January. (FYI: AAAS is making plans to return to Phoenix in 2026.)

Soon after the AAAS decision, the NAAS board followed suit. The 2021 AJAS Conference will be 100% virtual. Although there are aspects of in-person conferences that cannot be replicated, the planning team is working diligently to create a dynamic and personal experience for all. We are holding true to the AJAS Mission: to introduce, encourage and accelerate pre-college students into the social, cultural, intellectual, and professional world of STEM. Events for our conference will be held in late December, January, and February, culminating on February 11 with a Closing Ceremony.

CONTINUED ON PAGE 5



Preparing for 2021 with Strategic Goals for STEM

by AAAS CEO Sudip Parikh

As we enter 2021 with a renewed understanding that science is essential to addressing the challenges faced by society, AAAS has laid out three critical priorities for the coming year. One initiative centers on integrating science into decision-making by building trust with policymakers. On that front, we will be working to increase science into decision-making at all levels, not just the most obvious ones. Starting early next year, our Local and State Engagement Network (LSEN) will help scientists find opportunities to bring their science to the policymaking table. The second initiative we will strive for is in advocating for research and development globally, nationally and locally.

CONTINUED ON PAGE 3

Inside This Issue

• NAAS AFFILIATED ACADEMIES OF SCIENCE HAVE THE OPPORTUNITY TO BECOME MORE INVOLVED IN NAAS AND AAAS AFFAIRS	Page 2
• NAAS BOARD MEMBERS 2020-2021	
• PREPARING FOR 2021 WITH STRATEGIC GOALS FOR STEM (CONTINUED FROM PAGE 1)	Page 3
• SCIENCE COMES TOGETHER TO FIND ANSWERS TO COMBAT THE COVID-19 PANDEMIC	
• 2019 NAAS COMMITTEES	
• REPRESENTING SECTION Y: GENERAL INTEREST IN SCIENCE AND ENGINEERING	Page 4
• SECTION STEERING GROUP PRIMARY MEMBERS/ELECTORATE NOMINATING COMMITTEE	
• THE 2021 AJAS CONFERENCE GOES 100% VIRTUAL (CONTINUED FROM PAGE 1)	Page 5
• OKLAHOMA ACADEMY OF SCIENCE NEWS	
• A LETTER FROM THE NAAS PRESIDENT (CONTINUED FROM PAGE 1)	Page 6
• NORTH CAROLINA ACADEMY OF SCIENCE MEETING 2021	
• NEW HAMPSHIRE ACADEMY OF SCIENCE WINS FIRST LEARN EVERYWHERE PROGRAM APPROVAL	Page 7
• SOCIAL MEDIA UPDATE: FROM THE UNITED STATES METRIC ASSOCIATION.	Page 8
• THE DALLAS COCKE MEMORIAL AWARD 2021	
• STATE ACADEMIES OF SCIENCE NEWS	Pages 9-12
• SPONSORS	Pages 13-14
• FIRST TIME I EVER THOUGHT OF MYSELF AS A SCIENTIST.	Page 15
• AJAS ALUMNA NAMED RHODES SCHOLAR	

NAAS Board Members 2020-21

Dr. Michael Strauss (VA)
NAAS President
michael_strauss1@hotmail.com

Dr. Steve Warshaw (NC)
NAAS Immediate Past President
warshawsj@gmail.com

Amanda Fuller (KY)
NAAS President-Elect
executivedirector@kyscience.org

Ed M. Brogie (NE)
NAAS Executive Director
ed.brogie@academiesofscience.org

Lee A. Brogie (NE)
AJAS Executive Director
lee.brogie@academiesofscience.org

Elaine Faletra (NH)
AJAS Assistant Director
elaine.faletra@gmail.com

Amy L. Sheck, Ph.D. (NC)
NAAS Secretary
sheck@ncssm.edu

Ernest Schiller (IA)
NAAS Treasurer
ernestschiller@hotmail.com

Dr. Don M. Jordan (SC)
NAAS Delegate to AAAS
Newsletter Editor, Section Y Secretary,
djordan@sc.edu

Philip Winchell (OH)
NAAS Archivist
essohio@woh.rr.com

Michael R. Eckhoff (TX)
NAAS Webmaster
mreckof@gmail.com

Dr. Peter Faletra, Ph.D. (NH)
NAAS Delegate to AAAS
peter.faletra@gmail.com

State Academies

David Bass
Member at Large (Academies)
dbass@uco.edu

Dr. Nancy Martin (KY)
Member at Large (Academies)
nancymartin@louisville.edu

Dr. David Torain (VA)
Member at Large (Academies)
david.torain@montgomerycollege.edu

Dr. Michael Cohen (DC)
Member at Large (Academies)
mppcohen@juno.com

Dr. Donna Gerardi-Riordan (WA)
Member at Large (Academies)
Donna.riordan@washacad.org

Business

Dr. John C. Nemeth (VA)
Member at Large (Business)
jcn8139@aol.com

Dr. David Reif (MA)
Member at Large (Business)
david.reif@astrazeneca.com

Junior Academies

Preston MacDougall (TN)
Member at Large (Jr Academies)
Preston.Macdougall@mtsu.edu

Dr. Mandana Sassanfar (MA)
Member at Large (Jr Academies)
mandana@mit.edu

Michael Roche (NJ)
Member at Large (Jr Academies)
roche@ctemc.org

AAAS Representatives

Dr. Shirley Malcom (DC)
AAAS Representative to NAAS
smalcom@aaas.org

Betty Calinger (DC)
AAAS Representative to NAAS
bcalinge@aaas.org

NAAS Affiliated Academies of Science have the opportunity to become more involved in NAAS and AAAS Affairs

By Ed Brogie / David Bass

The following offices are up for election in 2021 and NAAS is seeking nominations from the ranks of leadership within the 48 Affiliated Academies

Voting Members: (Three open positions)

NAAS Secretary (3-year term)

NAAS AJAS Director (3-year term)

NAAS President-Elect (2-year term)

Non-Voting Members: (Positions Available)

NAAS Member-at-Large (A-Affiliated Academies)

Each position carries a three-year (3 yr.) term.

NAAS Member at Large (B-Business)

Each position carries a three-year term (3 yr.)

AJAS Member at Large (C-Junior Academies)

Each position carries a three-year term (3 yr.)

Please contact David Bass to place a nomination:

David Bass, PhD, Professor of Biology & Curator of Invertebrates
 Center for Wildlife Forensics and Conservation Studies, University of Central
 Oklahoma. E-mail: dbass@uco.edu

AAAS recognizes 215 Affiliated Societies and the following 48 AAAS Affiliated Academies of Science:

- Academy of Science of St. Louis
- Alabama Academy of Science
- Arizona-Nevada Academy of Science
- Arkansas Academy of Science
- California Academy of Sciences
- Chicago Academy of Sciences
- Colorado-Wyoming Academy of Science
- Delaware Academy of Science
- Florida Academy of Sciences
- Georgia Academy of Science
- Hawaii Academy of Science
- Idaho Academy of Science
- Illinois State Academy of Science
- Indiana Academy of Science
- Iowa Academy of Science
- Kansas Academy of Science
- Kentucky Academy of Science
- Louisiana Academy of Sciences
- Maryland Academy of Sciences
- Michigan Academy of Science, Arts and Letters
- Minnesota Academy of Science
- Mississippi Academy of Sciences
- Missouri Academy of Science
- Montana Academy of Sciences
- Nebraska Academy of Sciences
- New Hampshire Academy of Science
- New Jersey Academy of Science
- New Mexico Academy of Science
- New York Academy of Sciences
- North Carolina Academy of Science
- North Dakota Academy of Science
- Northwest Scientific Association
- Ohio Academy of Science
- Oklahoma Academy of Science
- Oregon Academy of Science
- Pennsylvania Academy of Science
- Rochester Academy of Science
- South Carolina Academy of Science
- South Dakota Academy of Science
- Southern California Academy of Sciences
- Tennessee Academy of Science
- Texas Academy of Science
- Utah Academy of Sciences, Arts and Letters
- Vermont Academy of Arts and Sciences
- Virginia Academy of Science
- Washington State Academy of Sciences
- Washington DC Academy of Science
- Wisconsin Academy of Sciences, Arts and Letters
- West Virginia Academy of Science

Hope to see you in February
 Ed Brogie, NAAS Executive Director

2021**NAAS COMMITTEES****AAAS Liaison Committee**

Lee Brogie, Chair (NE)
Ed Brogie (NE)
Dr. Shirley Malcom, (AAAS)
Betty Calinger, (AAAS)

AJAS Teachers Advisors Committee

Ed Brogie, (NE)
Lee Brogie (NE)
Ernest Schiller (IA)

Finance Committee

Ernest Schiller (IA) Chair
Ed Brogie, (NE)
Dr. Don Jordan (SC)
Dr. David Reif (MA)

Fundraising Committee

Ed Brogie, (NE), Chair
Dr. Don Jordan (SC)
Dr. Mandana Sassanfar (MA)

NAAS Program Committee

Lee Brogie, (NE)
Ed Brogie (NE)
Ernest Schiller (IA)
Dr. Mandana Sassanfar (MA)

Nominations Committee

Dr. David Bass, Chair
Dr. Mandana Sassanfar (MA)
Lee Brogie, (NE)

Recognition and Awards Committee

Dr. Mandana Sassanfar (MA), Chair
Dr. David Bass, (OK)
Dr. Don Jordan, (SC)
Lee Brogie, (NE)
Ed Brogie, (NE)

Preparing for 2021 with Strategic Goals for STEM

Continued from Page 1

One measure we will be looking at for growth is percent of GDP, which is about 0.7% of GDP right now that we spend on research and development at the federal level. I'd like to see it at least double to 1.4% and we will be making a compelling case for that. Third, AAAS took a definitive stance against systemic racism in the sciences and announced a three-pronged approach to address it. We believe it is critical to maintain the momentum that was generated this past year to ensure that the opportunity to be a scientist is available to all members of our society.

We are also excited about the upcoming 2021 Annual Meeting, which will convene entirely online, February 8-11. The theme for 2021 Annual Meeting is focused on understanding the complexities and dynamics of various ecosystems by drawing on a multitude of perspectives and there will be pre-released materials available starting in late January. Our plenary lectures will also provide an excellent opportunity for AAAS Annual Meeting attendees and the public to hear from world-renowned speakers, such as AAAS President Dr. Claire Fraser and Dr. Anthony S. Fauci. I hope to see you there!

Sudip Parikh, CEO AAAS

Science Comes Together to Find Answers to Combat the Covid-19 Pandemic

By Ed M. Brogie, NAAS Exec Dir.

Science is at the forefront in every country in the world as this pandemic sweeps across the globe. There is little rest in the research fields or the health fields as all hands are on-deck to fight this virus. We need to strengthen our science education goals to include the art of discovery to the novel questions that can arise at any time in our future. There are no books or facts to go look up in this type of crisis. We have to find answers to questions and problems not faced prior to this point in time. We are grateful to all the prepared scientists around the world that have come to together to face this new enemy.

Programs like the American Junior Academy of Science (AJAS) and other organizations that foster K-12 scientific discovery and investigations, demonstrate how acquiring skills in research are a societal necessity. The AJAS mission is to introduce, encourage and accelerate pre-college students into the professional world of science, technology, math and engineering by enabling, educating and integrating their participation in the social, cultural and scientific activities of science. This is why AJAS activities have been integrated into the AAAS Annual Meeting for over five decades. Our joint meeting gives students a chance to share their research and discuss science topics with the leading scientists of our time. AJAS is not a competition, but serves as a model to emulate this level of education and experiences for student success in STEM areas. Many of today's prominent scientists recall their initial forays into science as delegates to the AJAS meeting. Growing in science for AJAS involves having AJAS delegates getting their award winning research abstracts published by AAAS. Today's young scientists, from all across the world, understand they may, at any time, have the responsibility to solve the problems facing society. ***Through AJAS, we are recruiting future scientist into STEM careers from a pool of over 16 million US High School Students.*** Now is the time for each AAAS Affiliated Academy to increase their efforts on mentoring the next generation of STEM professionals. Science organizations need to cooperate on how they can be a benefit to the K-12 education process. Standards alone cannot foresee future dilemmas that the world may face and so our education process needs to expand into how to modify our thinking and procedures to learn to change our direction at a moment's notice.

Ed Brogie, NAAS Executive Director

General Interest in Science and Engineering (Y) Section Steering Group Primary members

SECTION STEERING GROUP

This section steering group comprises the secretary, chair line, council delegate and members-at-large.

Chair

Carol Lynn Alpert
Museum of Science, Boston
calpert@mos.org

Chair-Elect

Erika C. Shugart
American Society for Cell Biology
ecshugart@gmail.com

Retiring Chair

Patricia L. Ward
Museum of Science and Industry,
Chicago
patricia.ward@msichicago.org

Secretary

Barbara J Gastel (2023)
Texas A&M University
bgastel@cvm.tamu.edu

Members -at-Large

David Berube (2021)
North Carolina State University
drdamberube@gmail.com

Sharon M. Friedman (2022)
Lehigh University
smf6@lehigh.edu

Keegan Sawyer (2023)
National Academies of Sciences,
Engineering, and Medicine
ksawyer@nas.edu

Marilee Long (2024)
Colorado State University
Marilee.Long@ColoState.edu

Council Delegate

JoAnn Valenti
Brigham Young University (Emerita)
valentijm@yahoo.com

ELECTORATE NOMINATING COMMITTEE (ENC)

Susan Gaidos (2021)
Freelance
sgaidos@nasw.org

Mari N. Jensen (2021 ENC Chair)
University of Arizona
mnjensen@email.arizona.edu

Jennifer Cutraro (2022)
Science Storytellers
jenny@sciencestorytellers.org

Donna Gerardi Riordan (2022)
Washington State Academy of Sciences
donna.riordan@washacad.org

Sue Nichols
Michigan State University
nichols@msu.edu

Jocelyn Steinke
Western Michigan University
jocelyn.steinke@wmich.edu

Note: Terms end on the last day of the Annual Meeting held in the year given in parentheses.

The annual business meeting of AAAS Section Y will be at 6 p.m. EST, Thursday, February 4. It will be online.

Representing Section Y: General Interest in Science and Engineering Congratulations to AAAS Fellows 2020-2021



Nan Broadbent

Seismological Society of America

For outstanding contributions as a science communicator for scientific societies, particularly the American Association for the Advancement of Science and the Seismological Society of America.



Tinsley Davis

National Association of Science Writers

For distinguished leadership that has increased the vibrancy of the U.S. science writing community, enhanced public engagement with science, and strengthened science communication globally.



Linda D. Harrar

WGBH Educational Foundation

For tireless devotion and outstanding leadership in television science journalism focusing on human health, the global environment, biodiversity, and remarkable women leaders in developing countries.



James H. Lambert

University of Virginia

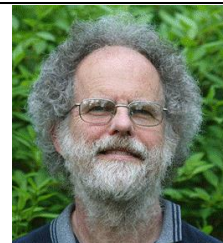
For distinguished contributions to the field of risk analysis, particularly using systems engineering tools to address critical infrastructure risk and resilience.



Andrew D. Maynard

Arizona State University

For distinguished contributions to the public's understanding of science, risk and responsible innovation in the fields of nanotechnology, artificial intelligence and other emerging technologies.



Jeremy B. Searle

Cornell University

For distinguished contributions in the field of evolutionary biology and for the promotion of science through teaching, international work, media activities and science-based natural history.



Ronald M. Thom

Pacific Northwest National Laboratory (Emeritus)

For distinguished contributions to coastal and estuarine ecosystem restoration, in assessment of cumulative effects of multiple restoration actions and adaptive management of restored systems



Cliff Wang

U.S. Army Research Office/ North Carolina State University

For distinguished contributions to the field of science of security, and outstanding leadership in national research and transforming results into high impact cyber defense



Nan Yao

Princeton University

For outstanding achievements in materials and structural analysis and distinguished contributions in related education, research, and service to advance science and engineering and their applications.

The 2021 AJAS Conference Goes 100% Virtual

Continued from Page 1

Events planned thus far include: A film screening of the documentary **Jim Allison: Breakthrough**, the story of one man's visionary quest to find a cure for cancer; a live **Q&A** with Drs. Allison and Padmanee Sharma; Keynote session **From Star Wars to Science: Building Your Story** Randy Olson, author, *Houston, We Have A Narrative, Why Science Needs a Story*; Keynote session **Comedy, Science, and Communication: Telling Your Story** Brian Palermo, Groundlings Improv Acting, Los Angeles; AJAS/NAAS **Welcome Session**; Oral Presentations **Research Round Table** format; AJAS/AAAS **Poster Session** which goes live on Feb 8 and is available 24/7 to all AAAS and AJAS attendees; AAAS **President's Address** and **Plenary Lectures**; **AJAS Meet the Scientists**; and the **AJAS Closing Ceremony**. The 2021 AJAS Conference schedule of events, with links to all AJAS sessions, will be accessible from the NAAS/AJAS website.

The class of the 2021 AJAS Fellows will submit their abstracts to AAAS to be published in the AAAS Annual Meeting program. From the AAAS meeting portal, attendees will be provided the link to the 2021 Virtual AJAS/AAAS Poster Session. We are customizing the platform ProjectBoard, which was created to collaborate and share projects virtually, and you are going to love it. The ProjectBoard platform will allow anyone who registers for our conference the ability to easily engage on the student's project. These amazing students will be able to creatively share their research with our community for very valuable feedback. When the poster session goes live, the students will officially be inducted as AJAS Fellows. I can't wait to share the site, first with the 2021 AJAS Fellows to prepare their poster submissions, and then the world. "Science belongs to all people," and this year's fellows will be able to share their STEM research with an exceptionally large audience.

"For years, I've admired the work that AAAS/AJAS does to inspire the STEM leaders, inventors and engineers of tomorrow to simply wonder and follow their passions to solve the many problems," said Frank Baldesarra CEO of engineering.com, "Although these unprecedented times have created many challenges, our entire team is very proud to be working with Lee and her team as we all adjust to new ways to work together for our students. We are excited to be helping STEM students across the United States to display their important science research and projects, while learning and socially engage in new ways. Congratulations to the 2021 class of AJAS Fellows and am very much looking forward to getting to know many of them on our platform."

Registration for the AAAS Annual Meeting is open to everyone. To register for the conference you have to be a member of AAAS, with digital membership dues ranging from \$25-\$80. Then there is a \$50 (yes, only \$50) registration fee. On the AJAS side, student registration is \$50, adult \$75. To congratulate our AJAS Fellows for their success, AAAS is offering this year's class a one-year free digital membership. NAAS Director, Ed Brogie, worked with AAAS CEO, Sudip Parikjh, to make this happen. I will be working with AAAS membership to coordinate these efforts.

I cannot begin to thank all the people who were willing to share their expertise with me to assist in the planning of the 2021 AJAS Conference. From the bottom of my heart, Thank You!

I'm looking forward to seeing you in cyberspace. Take care, stay healthy, and be kind.

Lee Brogie, AJAS Executive Director

Oklahoma Academy of Science News

By Dr. David Bass



The Oklahoma Academy of Science held its Annual Technical Meeting on Friday November 6. Due to the COVID-19 situation, this event was held virtually. We were initially uncertain how this format would be supported by the membership but decided to move forward and believe it was a success. A total of 87 presentations were given and over 128 people attended the virtual meeting. We are looking forward to meeting in person next year at East Central University in Ada.

David Bass, PhD

A Letter from the NAAS President

Continued from Page 1

Often reporting about research begins with descriptions of the work and its outcomes. But effective communication must also answer that all-important question: “Why should I care?” (Returning Fellows will have heard me say this before). With two experts in science communication, Dr. Randy Olson and Actor Brian Palermo, we will look at HOW to be effective communicators of science and scientific research. Dr. Olson is a former university faculty member who left his tenured position and became a Hollywood-based filmmaker. Brian is a member of the L.A.-based Groundlings Improve group who has worked with many of today’s top stars. Both have worked with numerous scientists in companies and government agencies such as NASA, USDA, Interior Department, and many others. Together they will help our AJAS Fellows to be effective communicators.

The 2021 meeting will be different than Seattle, but it will be exciting! From here in Texas I am looking forward to meeting ‘yaw!’ online!

Michael Strauss, President of NAAS

North Carolina Academy of Science Meeting 2021 117th Annual Meeting

- Location: Via Zoom from Lenoir-Rhyne University
- Date: March 12-13, 2021
- Conference Theme: Vision 20-21: Seeing Connections – Solving Problems

Check the NCAS website for updates: <https://www.ncacadsci.org/>

Contact: Dr. Judy Moore, judy.moore@lr.edu

New Hampshire Academy of Science Wins First Learn Everywhere Program Approval

The State Board of Education approved Learn Everywhere programs for Life Science (Biology) and Physical Science (Chemistry and Physics)

CONCORD – The State Board of Education, on the recommendation of Commissioner of Education, Frank Edelblut, approved its first Learn Everywhere program for life and physical science by the New Hampshire Academy of Science.

Learn Everywhere, an innovative education program unique to New Hampshire, allows students to earn credit for learning outside of the classroom. The program, which has been under development since 2018, was first approved in August 2020.

“I am incredibly excited that we are able to bring this first of many programs to New Hampshire students and families,” stated Frank Edelblut, the commissioner of education. “All of our research shows that learning opportunities inside, and outside of the traditional school, that engage students result in deeper and richer learning. Beyond that, however, we know that these programs are particularly beneficial to otherwise disadvantaged students.”

Drew Cline, the chair of the State Board of Education stated, “Through Learn Everywhere, students can earn high school credits by demonstrating competencies learned outside the school building. We’re thrilled to be able to offer students this opportunity to earn science credits by completing the world-class program at the New Hampshire Academy of Science.”

Peter Faletra from the Academy stated, “The NHAS is honored to be approved to offer the Learn Everywhere program to students of NH. This is an opportunity for our students to gain high school credit for authentic and inspiring research they do at our STEM lab in Lyme NH and labs we are creating with collaborating schools around the state with support from NIH. I can’t thank enough the leaders of our state’s Department of Education for being so supportive and creative in making NH a leader in the nation for STEM education.”

Nate Greene, Administrator of the Bureau of Educational Opportunities stated, “This approval creates an exciting new opportunity for students to earn credit who, today, are demonstrating mastery of competencies across an array of scientific disciplines and who are conducting high-level research. Recognizing their hard work and demonstrated mastery through this program is a prime example of New Hampshire’s competency-based education system”.

Students enrolled in these programs are now able to earn high school credit in Life Science (Biology) and Physical Science (Chemistry and Physics).

Additional information about the Learn Everywhere program can be found here:

<https://www.education.nh.gov/news/new-hampshire-academy-science-wins-first-learn-everywhere-program-approval>

Contact: New Hampshire Department of Education
(603) 271-0448 | Comms@doe.nh.gov

This article was contributed by Dr. Peter Faletra,
National Association of Academies of Science (NAAS) Board Member

Social Media Update: From the United States Metric Association.

Interest in the Metric System can be found all over social media networks. The USMA is getting involved and starting the conversation online via a Twitter account (@USMA_metric) and has been slowly gaining ground and followers from leaders in science, industry and even entertainment! Since the start of the account, the USMA has been slow to gain new followers but is working diligently to spread awareness of the new Twitter handle to help get the word out to Go Metric! If you are interested in helping out, please take the time to spread the word about the USMA Twitter account (@USMA_metric) to colleagues and friends.

Frank A Jordan, USMAS media specialist

The Dallas Cocke/Decker/Talkahashi, McCoy & Brogie Memorial Award for 2021

Former AJAS director, Dallas Cocke dedicated her life to teaching science and to the missions of the American Junior Academy of Science and the Virginia Junior Academy of Science. She was inspired by her students and the educators and scientists she worked with in Virginia and across the nation. She well knew that the efforts of many can make a profound difference in the lives of young scientists. As well as many AJAS directors that followed Dallas Cocke – Like Dean Decker, Virginia; Gloria Talkahashi, Southern California; Joan McCoy, Mississippi; and current AJAS director, Lee Ann Brogie of Nebraska.

The Dallas Cocke Memorial Award is sponsored by funds donated in her memory. This award recognizes a student who exemplifies the enthusiasm and dedication of Dallas Cocke. Students are invited to address the statement:

“What the AJAS experience has meant to me.”

The award recipient receives a certificate and a cash prize of up to \$100. ‘Seventeen (17) students responded in 2020

Each AJAS Students will be provided an Application for the AJAS Director Award from our Director Lee Ann Brogie.



“As a young woman wishing to pursue science, I will forever cherish my AJAS experience as one that not only encouraged me to pursue my passions but served as an example of the power of scientific collaboration.”

Emily Meinert (PA), 2019 AJAS Fellow and Dallas Cocke Essay Winner

AJAS Director's Memorial Award
Best Essay 2020
Gabrielle Krutsinger
Nebraska Junior Academy of Sciences
Chase County High School





The Alabama Academy of Science had its 96th Annual Meeting Feb. 20 - 22, 2019 at Tuskegee University. Their next Annual Meeting will take place in February of 2021. For information, contact: Executive Director email: Krannich@uab.edu



The Arizona-Nevada Academy of Science:

Contact: Permanent Secretary Dr. Pedro Chavez:
pchavez@midwestern.edu



The Arkansas Academy of Science, helps Arkansas students obtain college degrees as well as support the advancement and diffusion of science in Arkansas. For information contact, President Dr. Stephen Addison, University of Central Arkansas, 201 Donaghey Ave., Conway, Arkansas 72035
email: saddison@uca.edu



In 1857, **the Chicago Academy of Sciences** was founded by nature aficionados and amateur scientists seeking a space where they could study and share the specimens they collected. On October 23, 1999, the Academy's Peggy Notebaert Nature Museum officially opened, helping residents of urban Chicago to connect with the natural world. For more information, visit our website: <http://www.naturemuseum.org> or contact: info@naturemuseum.org



The Colorado-Wyoming Academy of Science: We are privileged to have honored you, your teachers, your parents, and your NAAS affiliated Academy of Science representatives at the 2019 AJAS/NAAS/AAAS Conference. For more information, contact Dr. Doug Petcoff, President at petcoff@msudenver.edu or 303-556-3214.



The Delaware Academy of Science, Inc., based in Newark, Del., opened in 1968. We own and operate the Iron Hill Museum and Iron Hill Science Center, and work to promote science education in the First State. The board of directors of Delaware Academy of Science, Inc., as well as all the staff and volunteers at the Iron Hill Science Center and Museum are excited to announce the launch of DelawareScience.org as the online home of the Academy and all things related to the Iron Hill Science Center and Museum. The Science Center staff may be reached by phone at (302) 368-5703, or use our contact form at <https://delawarescience.org/contact>



The Florida Academy of Sciences, Inc. was founded in 1936 as a non-profit organization. The Academy is the Florida Affiliate of the American Association for the Advancement of Science and is the only organization in Florida that represents all disciplines of sciences. For more information, contact our secretary, Dr. Norine Noonan via email, nnoonan@usfsp.edu or by phone, (727) 873-4793.



The Georgia Academy of Science was organized in 1922 and incorporated as a nonprofit organization in 1953. The Georgia Academy of Science continues to grow in size and academic strength. The interests of Academy members encompass all aspects of science and that interest is expressed through participation in one or more of eight sections. The 2020 Annual Meeting to be held March 27-28th was cancelled due to COVID-19. Contact secretary, Joseph Sloop, at jsloop@ggc.edu or 678-485-5021.



The Hawai'i Academy of Science (HAS) is a private, non-profit organization founded in 1925. The vision of the Academy is to promote scientific research & education in Hawai'i and the Pacific Rim. The Academy is particularly interested in developing and executing programs and experiences for the science and learning communities. Contact us at (808) 956-7930 or acadsci@hawaii.edu for more information.



The Idaho Academy of Science (IAS) was organized in 1958 to further the cause of science and science education in Idaho. The IAS seeks to improve the effectiveness of scientific education in Idaho, and to promote public understanding and appreciation of the sciences and applied technology in the modern world. The Academy is the only statewide organization in Idaho which embraces all scientific disciplines. Contact the Executive Director at Executive.Director@Idaho.Academy or 1 208-317-1477.



Illinois Academy of Science: Our mission, from our founding in 1907, has been the promotion of scientific research, the diffusion of scientific knowledge, and the unification of scientific interests in Illinois. Beginning in 1907, we have held our annual meeting at varying locations around the state every year since. In addition, our refereed journal, *Transactions*, has been published continuously since its inaugural first volume in 1908. The Annual Meeting will be hosted by Eastern Illinois University in 2021. For more information, contact our president, Thomas Fowler at tfowler@siue.edu



The Iowa Academy of Science is a 501(c)3 non-profit organization. The mission of the Academy is to further scientific research, science education, and public understanding of science, and to recognize excellence in these endeavors. You may contact Craig Johnson, our Executive Director by telephone, 319-273-2581 and email, craig.johnson@uni.edu or iascience@uni.edu



Indiana Academy of Science: We are a professional membership organization of Indiana scientists, dedicated to promoting scientific research and diffusing scientific information, encouraging communication and cooperation among scientists, and improving education in the sciences. The 135th Annual Meeting to be held March 21st, 2020, was cancelled due to COVID-19. Contact our Executive Director, Delores Brown, at (317) 974-0827 or ExecDir@indianaacademyofscience.org



The Kansas Academy of Science was organized as the Kansas Natural History Society at Lincoln College (now Washburn University) in Topeka on September 1, 1868. The 152nd Annual Meeting was cancelled due to COVID-19. Contact our Secretary, Sam Leung by emailing us at sam.leung@washburn.edu or by calling us at 785-670-2375.



The Kentucky Academy of Science: Our 2020 Annual Meeting was virtual Nov 6-7th, 2020. Check us out at www.kyscience.org. For more information, contact us at executivedirector@kyscience.org or (859) 227-2837.



The Louisiana Academy of Science. The 94th Annual Meeting was to be held March 14th, 2020 at Louisiana State University, but was cancelled due to COVID-19. For information contact President John Doucet, Nicholls State University College of Arts and Sciences, Thibodaux, LA 70310, john.doucet@nicholls.edu.



Michigan Academy of Science, Arts, and Letters: Mission: supporting research and disseminating knowledge through annual meetings and publishing a quarterly journal of outstanding papers in the sciences, humanities and social sciences. The 2021 Conference will be held virtually on March 12th, 2021. For information, email Director Karen Gross, michiganacademy@alma.edu.



Minnesota Academy of Science
Mission: To recognize, promote and influence excellence in science. For information, email contact@mmas.org.



The Mississippi Academy of Science helps coordinate and organize scientific seminars and symposia in Mississippi. The 85th Annual Meeting will be held August 5-6th at Mississippi Gulf Coast Convention Center. For information, email msacademyofscience@comcast.net, or visit <http://msacad.org/>



Missouri Academy of Science
The purpose of the Academy is to foster public interest in scientific matters and promote cooperation between the scientific interests of Missouri. The 57th Annual Meeting will be April 23rd & 24th, 2021 at Columbia College, MO. For information, contact Business Manager Ginny McTighe, University of Central Missouri, W.C. Morris 132A, manager@missouriacadsci.org



Montana Academy of Science: For Information, contact President James G. Berardinelli, Ph.D., Montana State University Department of Animal and Range Sciences, Bozeman, MT 59117-2900, jgb@montana.edu



North Carolina Academy of Science: The 117th Annual Meeting will be held virtually in 2021. For information about NCAS, contact Dr. Karen Guzman, Campbell University Department of Biological Sciences, P.O. Box 308, Buies Creek, NC 27506; Phone: (910) 814-4365; FAX: (910) 893-1887; Email: ncacadsci@gmail.com



North Dakota Academy of Science:

The purpose of the Academy is to promote and conduct scientific research and to disseminate scientific knowledge. The Annual Meeting will be taking place December 4th, 2020 online via Blackboard and Zoom. Membership in the Academy is open to persons who share the stated purpose of the Academy and who are active or interested in some field of scientific endeavor. For information, email: ndas@ndacadsci.org.



The Nebraska Academy of Sciences

The Nebraska Academy of Sciences was first organized in Omaha in 1880 with 75 charter members. The Union Pacific Railroad, which supported the programs to make Nebraska the educational and cultural center of the West, was instrumental in the establishment of the Academy. The 131st NAS Annual Spring Meeting was April 23, 2021. Over 400 attendees observed nearly 240 abstract presentations during this year's event. The 130th NAS Annual Spring Meeting was scheduled for April 17th, 2020, but was cancelled due to COVID-19. For information, contact nebacad@unl.edu.



New Jersey Academy of Science:

The purpose of the academy is to stimulate education and research in science throughout New Jersey. For information about NJAS, visit us at Kean University, New Jersey Center for Science, Technology & Mathematics Education, 1000 Morris Ave., STEM Bldg. 5-13, Union, NJ 07083, or www.njas.org.



New Mexico Academy of Science:

The mission of the New Mexico Academy of Science is to serve the state of New Mexico and its communities by publishing science and science education materials, giving recognition for contributions to science and science education, fostering scientific cooperation, raising public awareness of the importance of science and science education, and providing advice on matters related to science and science education.

For information about NMAS, email nmas@nmas.org.



The Ohio Academy of Science is the leading organization in Ohio to foster curiosity, discovery, and innovation and to unite all who value education, science, engineering, technology, or their applications for the benefit of society. The 129th Annual Meeting was to be held April 18th 2020 but was cancelled due to COVID-19. For information, contact CEO Michael Woytek, info@ohiosci.org. www.ohiosci.org



The Oklahoma Academy of Science's

goal is to stimulate scientific research; to promote fraternal relationships among those engaged in scientific work in Oklahoma; to diffuse among the citizens of Oklahoma a knowledge of the various disciplines of science; and to investigate and make known the material and educational resources of the State. For information, contact Executive Director Dr. Adam Ryburn, Oklahoma City Univ., 2501 N. Blackwelder Ave., Oklahoma City, OK 73106, aryburn@okcu.edu.



The Oregon Academy of Science

promotes scientific research and education in Oregon. The annual OAS meeting acknowledges contributions by outstanding university and K-12 educators demonstrating dedication to the advancement of science education. Additionally, each year the Academy acknowledges an Oregon scientist who has made outstanding contributions in their field. For information contact: Secretary: Jeff Duerr at jduerr@georgefox.edu <http://oregonacademyscience.org/>



Pennsylvania Academy of Science:

Since 1924, we have been educating and supporting scientists throughout Pennsylvania by striving to promote science, technology, education and the diverse interests of our members. We are the vital and valuable resource for Pennsylvania science professionals, faculty and students. The 96th Annual Meeting was to be held at York College March 20-22, 2020 but was cancelled due to COVID-19.

For more information visit our webpage at <https://pennsci.org/>, or contact President Ed Levry at epl1@psu.edu



The South Carolina Academy of Science (SCAS)

was organized in 1924, and in 1927 the Academy affiliated with the American Association for the Advancement of Science. The Annual Meeting in 2020 was to be March 28th but was cancelled due to COVID-19. For information contact: Secretary Janie Sigmon at jsigmon@yorktech.edu Website: <http://scacademysci.org/>



South Dakota Academy of Science:

Contact: Paul Johnson for details at paul.johnson@sdsu.edu. Website: <http://www.sdaos.org/>

Academy News



Southern California Academy of Science:

The Southern California Academy of Sciences is dedicated to promoting fellowship among scientists and those individuals interested in science and more. The SCAS Annual Meeting will be held at USC, Santa Barbara in 2021. For more information visit the website: <http://scas.nhm.org/>



The St. Louis Academy of Science

has many events planned for the future. On our website you will find many lectures and events for the coming months. For more information call 314-533-8083 or visit <http://academyofsciencestl.org/>



The Tennessee Academy of Science

seeks to promote scientific research and the diffusion of knowledge concerning science. For more information contact: Ms Teresa Fulcher, TAS Secretary. Office Phone: 865-539-7048; email: Teresa.fulcher@tennacadofsci.org; or visit the website: <http://www.tennacadofsci.org/>



Texas Academy of Science:

The Texas Academy of Science promotes scientific research in Texas colleges and universities, encourages research as a part of student learning, and enhances the professional development of its members. TAS possesses a complex, intriguing and long-standing educational mission. For more information contact Secretary Frank J. Dirrigl, Jr. at frank.dirrigl@utrgv.edu or visit the TAS webpage here: www.texasacademyofscience.org/



Utah Academy of Sciences, Arts, and Letters:

The University of Utah Annual Conference was to be held March 13th, 2020 in Salt Lake City Utah. To find more information please contact: utahacademy@gmail.com or visit: <http://www.utahacademy.org/>



Vermont Academy of Arts and Sciences

The Vermont Academy of Arts and Sciences was organized in October 1965. Membership is open to all who share the Academy's interests. Becoming a member will help support the mission and the free-to-the-public educational activities of the VAAS. For information contact us at vanhoesenj@greenmtn.edu.



The Virginia Academy of Science

promotes the advancement of science in the Commonwealth of Virginia. Our publication *the Virginia Journal of Science* publishes peer reviewed original research reports as well as abstracts of the Annual Meeting presentations. The VAS Annual Meeting is most commonly held in the Spring of each year. For more information contact: vasoffice@vacadsci.org or call 804-864-1450.



Washington State Academy of Sciences:

Our mission is to provide expert scientific and engineering analyses to inform public policy making and work to increase the role and visibility of research in Washington State. For more information contact Executive Director Donna Gerardi Riordan at donna.riordan@washacad.org or visit: <http://www.washacad.org/>



Washington D.C. Academy of Science:

The Washington Academy of Science was incorporated in 1898 as an affiliation of Washington D.C. area scientific societies. The formation of the Academy culminated a decade of planning under the leadership of the Philosophical Society of Washington. The founders included Alexander Graham Bell and Samuel Langley, Secretary of the Smithsonian Institution. For more information contact: academy@washacadsci.org call 202-326-8975 or visit: <http://www.washacadsci.org/>



The West Virginia Academy of Science

is an organization to meet and work with professional associates in many areas of science, engineering and humanities. It is a corporation chartered by the authority of the West Virginia legislature for the advancement of scientific knowledge and the promotion of scientific work. The 95th Annual Meeting of WVAS was cancelled due to the COVID-19 pandemic. For more information contact Jeremy Keene at Jeremy.keene@glenvill.edu or visit: <http://pwvas.org>



The Wisconsin Academy of Sciences, Arts, and Letters

brings people together at the intersection of the sciences, arts, and letters to inspire discovery, illuminate creative work, and foster civil dialogue on important issues. In this way, we connect Wisconsin people and ideas for a better world. For more information: contact contact@wisconsinacademy.org or visit: www.wisconsinacademy.org/

THANK YOU TO ALL OUR SPONSORS!

<https://projectboard.world/ajas/partners>

A Special Thank You to our private donors!

Michael & Kay Strauss
John Nemeth
Yu Li

Philip Winchell
Don Jordan

Ed & Lee Brogie
Nancy Martin & Fred Hendler

**NATIONAL
ASSOCIATION
OF ACADEMIES
OF SCIENCE**

Facilitating cooperation
among science academies
and their community outreach
since 1928.



*NAAS & AJAS
GLOBAL SCIENCE*

Our Web Site:

<http://academiesofscience.org>

By Mike Eckhoff
mreckhof@gmail.com



Like us on Facebook
AJAS - American Junior Academy
of Science

*National Association of Academies of Science
NEWSLETTER*

Dr. Don Jordan, Editor

Isaac Jones, Assistant Editor

South Carolina Academy of Science

Center for Science Education

College of Arts and Sciences

Coker Life Sciences Building, Room 108

University of South Carolina

Columbia, SC 29208

Email: djordan@sc.edu

Non Profit Org.
U.S. Postage
PAID
Columbia, SC
Permit No. 1168

2021 AJAS/AAAS Annual Meeting: **VIRTUAL** Monday Feb 8 Through Thursday, Feb 11, 2021

No in person attendance!

2022 AJAS/AAAS Annual Meeting Philadelphia, PA, February 16 - 20, 2022

AJAS Seattle WA, Delegates (2020) - 91 females/61 males = 152

AJAS Wash. DC, Delegates (2019) - 96 females/57 males = 153

AJAS Austin, Delegates (2018) - 75 females/66 males = 141

AJAS Boston, Delegates (2017) - 74 females/49 males = 123

AJAS Wash. DC Delegates (2016) - 82 females/61 males = 143

AJAS San Jose Delegates (2015) - 73 females/65 males = 138

AJAS Chicago Delegates (2014) - 89 females/67 males Total = 156

<http://www.aaas.org/aaas-affiliates>

<https://www.academiesofscience.org/>

The annual business meeting of AAAS Section Y (General Interest in Science and Engineering) will be at 6 p.m. EST, Thursday, February 4. It will be online. Further information appears on the 2021 AAAS Annual Meeting website. We look forward to section members' participation.

Contributed by Ed Brogie, NAAS Executive Director

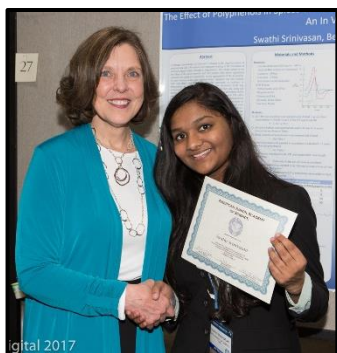
“It was the first time I ever thought of myself as a scientist.”

NAAS/AJAS Student 1985 Stacey Lowery Bretz, PhD

Attending the AAAS meeting in May 1985 made me realize that I wasn't “just” a high school student who had won a trip as a prize. I was at an international meeting with scientists from countries around the world. They were presenting their research. I was presenting my research. Stacey Lowery Bretz, PhD, University Distinguished Professor of Chemistry, Miami University, Oxford, Ohio. **See more at** “Letter to a Young Scientist” <https://doi.org/10.18061/ojs.v120i2.8026>.

This article was contributed by Dr. Lynn E. Elfner
Editor, *The Ohio Journal of Science* AAAS FELLOW

AJAS Alumna Named Rhodes Scholar



Ms. Swathi Srinivasan, a senior at Harvard University from Beachwood, Ohio, was named recently as a Rhodes Scholar. She is an alumna of State Science Day, a Melvin Scholar and an alumna and Fellow of the American Junior Academy of Science.

Pictured: AJAS Director & AAAS Fellow Lee Brogie with Rhodes Scholar Swathi Srinivasan