A Letter from the NAAS President
Michael Strauss, President of NAAS
Imagine you found the notebook of a famous cancer researcher in the trash bin. The notebook told, in detailed technical jargon, about the cure to cancer that she was just about to report, but she died and this notebook had disappeared. If you took the notebook to a local Starbucks and started reading its technical content to the people at the coffee bar, do you think anyone would even understand what you were talking about? What if, instead, you took it to a major newspaper and worked with them to tell the story to the public of how you found this important information and what it basically says?

How you communicate what you know makes ALL the difference in the world. Sadly, a lot of scientists communicate their research with the same efficiency of you reading that technical notebook to people at the coffee bar.

There’s a key word for this problem, OBfuscation. It’s the tendency to make something simple sound more complicated than it is. Or put another way, to speak in terms that only a few would comprehend.

Science is about curiosity and the desire to learn. But to be successful scientists must also be communicators. So clear, engaging, and compelling communication, not obfuscation, is an essential scientific skill.

In December of 1975 Dr. Michael Crichton (who was to later author Jurassic Park), published a short paper in the New England Journal of Medicine in which he spoke about obfuscation. He lamented that the medical community had become accustomed to setting out their findings in dense, convoluted prose that made their work nearly impenetrable to those outside of medicine. Their obfuscation, he warned, was a danger. But no one listened.

CONTINUED ON PAGE 3

Envisioning Tomorrow’s Earth
By Lee Brogie, AJAS Executive Director
“The 2020 AAAS Annual Meeting theme, Envisioning Tomorrow’s Earth, considers how efforts and advances in science and technology can respond to the new challenges faced by society.”
- AAAS President Dr. Steven Chu, President’s Invitation to Attend the AAAS Annual Meeting.

When I first read Dr. Chu’s description of this year’s AAAS Annual Meeting’s theme, I immediately thought of the 2020 class of AJAS Fellows. The research abstracts they submitted reflect the scientific endeavors needed to overcome the challenges facing our natural and human-built world. Dr. Chu knows first-hand the caliber of our Fellows.

As the Director of the Lawrence Berkeley National Laboratory, he hosted the 2007 AJAS/NAAS Conference participants to a full day at the Lab, including a lunch with scientists and an evening lecture from the “element maker” Albert Ghiorso. It was an amazing day. Interestingly enough, nine of the chaperones registered for our 2020 conference also attended the 2007 conference.

As of this writing, 150 student delegates, ranging in age from 13 to 19 and representing 23 affiliated science academies, will be presenting research projects covering 14 categories. Even though specific categories are selected, their projects reveal interdisciplinary connections and diverse methods for conducting research. The AAAS Exhibit Hall opens on Friday, February 14th and will feature the research of AJAS delegates at AAAS’ first poster session of the 2020 conference. Oral presentations are scheduled for Saturday afternoon in the Sheraton Grand Hotel. I encourage everyone to attend these sessions.

Although the majority of our delegates are attending the conference for the first time, 27 delegates have presented at previous AJAS meetings. For 16 students, this will be their second meeting; six students are returning for their third meeting; and Seattle will be the 5th AJAS conference for New Hampshire Academy of Science AJAS Fellows Clair Adner, Alexander Kish, and Leanna Kish. Congratulations to all delegates! It is an honor to be celebrating your science research success at the 2020 AJAS/NAAS Conference.

CONTINUED ON PAGE 11

A Message from AAAS CEO Dr. Sudip Parikh
As the new CEO of AAAS, it is a privilege for me to engage with our members, affiliates, colleagues, and friends in our mission to advance science and serve society. I am looking forward to meeting as many of you as possible in person and encourage all AAAS affiliates, including the fifty National Association of Academies of Science (NAAS) Affiliated Academies of Science, to participate in the AAAS Annual Meeting, which will be taking place February 13–16, 2020 in Seattle, Washington. This year the theme is “Envisioning Tomorrow’s Earth.” In addition, I encourage National Association of Academies of Science members to select exemplary pre-college members of their Junior Academies to attend the AAAS Annual Meeting and present their award winning research at the AJAS Poster Session.

Their energy and enthusiasm uplifts the entire meeting.
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 and NAAS is seeking nominations from the ranks of leadership within the 48 Affiliated Academies.

Voting Members: (two open positions)

NAAS Delegate to AAAS Council (3-year term)

NAAS Archivist (1-year term) or is it a 3-year term.

Non-Voting Members: (Five Open Positions)

Three (3) Positions for NAAS Member-at-Large (A1-Affiliated Academies) Each of the three positions carry a three-year (3 yr) term.

Two (2) positions for NAAS Member at Large (C1-Colleagues of Junior Academies from Affiliated Academies) Each of the two positions carry 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 Academy of Sciences
- Wisconsin Academy of Sciences, Arts and Letters
- West Virginia Academy of Science

Hope to see you in February

Ed Brogie, NAAS Executive Director
A Letter from the NAAS President

Continued from Page 1

Twenty-four years later I invited Dr. Crichton to speak at the 151st AAAS Annual Meeting, then in Anaheim, California, where he presented what was probably a last attempt to address obfuscation—not just in medicine, but in all of science. But, again, no one got the message. Those attending were more interested in how he got the idea for Jurassic Park than in the consequences of obscurity in science and medicine. So it should not be a surprise that without clear understanding of science, the general public has drifted away. Today information from science is continually challenged not with sound data and results but by people with “other narratives.” It would seem that the public has lost interest in the facts of science. Michael Crichton would not have been surprised.

AJAS offers you a unique opportunity to learn much about scientific communication. You will meet and talk with university, industry, and government scientists of all sorts. But when you do, challenge them to clearly explain to you what they do. Don’t just nod and think, “I should know this so I’ll pretend I do.” Ask, prod, inquire. That’s how you learn as a student and as a scientist. And remember, when you are asked what you have done, that the most important message you can bring is to tell them why they should care about it…so don’t obfuscate!

Michael Strauss, President of NAAS

AAAS Education Section: Call for Nominations for 2020 Fellows

The Education Section is soliciting suggestions for 2020 fellows. Examples of areas in which nominees may have made significant contributions are discipline based education research; teaching; technology; leadership in education for professional societies, in academe, industry, and government; and communicating and interpreting science to the public.

Fellow nominations may be made by: 1) the Steering Groups of the Association's 24 sections, or 2) any three previously elected Fellows who are current AAAS members, so long as two of the three sponsors are not affiliated with the nominee's institution, or 3) the Chief Executive Officer. AAAS encourages diverse nominations that include a fair representation of women, minorities and persons with disabilities.

Fellows who are current members of AAAS are invited to nominate members for election as Fellows. A member whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished, and who has been a continuous member for the 4-year period leading up to the year of nomination, may by virtue of such meritorious contribution be elected a Fellow by the AAAS Council.

Please send your suggestions with a brief rationale to Pat Marsteller, pmars@emory.edu. Please also copy our secretary, Judith Ann Dilts, diltsja@jmu.edu.
### Representing Section Y: General Interest in Science and Engineering

**Congratulations to AAAS Fellows 2019-2020**

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<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tr>
<td>Monica M Bradford</td>
<td>American Association of Academies of Science</td>
<td>For advancing science through longstanding and forward-thinking leadership at Science magazine and through contributions to the scientific publishing community.</td>
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<tr>
<td>Lee Ann Brogie</td>
<td>American Junior Academy of Science</td>
<td>For fourteen years of leadership and commitment to the National Association of Academies of Science as the Director/President of the American Junior Academy of Science.</td>
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<tr>
<td>Ronnie Coffman</td>
<td>Cornell University</td>
<td>For distinguished contributions to food security, including innovative research programs, support for women throughout science, and development of worldwide science communication programs.</td>
</tr>
<tr>
<td>Rebecca Finlay</td>
<td>Canadian Institute for Advanced Research</td>
<td>For distinguished work in science communication for innovators in business, policy making and civil society, thereby accelerating the societal impact of the scientific research.</td>
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<tr>
<td>Julia M. Gelfand</td>
<td>University of California, Irvine</td>
<td>For significant and distinguished contributions to professional societies, advancements to the study of scientific publishing and grey literature, and service as a distinguished science librarian.</td>
</tr>
<tr>
<td>John Charles Nemeth</td>
<td>CGJC Enterprises</td>
<td>For distinguished accomplishment and excellence in environmental consulting, teaching, research, and research administration at Georgia Tech, and for not-for-profit leadership at ORAU and Sigma Xi.</td>
</tr>
<tr>
<td>Clayton E. Teague</td>
<td>National Institute of Standards and Technology</td>
<td>For distinguished contributions to the field of nanotechnology and precision engineering and leadership as director of the NNCO.</td>
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#### AAAS Section Y: Call for Nominations for 2020 Fellows

AAAS Section on General Interest in Science and Engineering (Y) is soliciting suggestions for 2020 fellows. Examples of areas in which nominees may have made significant contributions are academic research in the areas of science communication and science journalism; teaching, mentoring and leadership through States’ Academies of Science; and communicating and interpreting science to the public through museums and other informal science education organizations.

Fellow nominations may be made by: 1) the Steering Groups of the Association’s 24 sections, or 2) any three previously elected Fellows who are current AAAS members, so long as two of the three sponsors are not affiliated with the nominee’s institution, or 3) the Chief Executive Officer. AAAS encourages diverse nominations that include a fair representation of women, minorities and persons with disabilities.

Fellows who are current members of AAAS are invited to nominate members for election as Fellows. A member whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished, and who has been a continuous member for the 4-year period leading up to the year of nomination, may by virtue of such meritorious contribution be elected a Fellow by the AAAS Council.

Please send your suggestions with a brief rationale to Patricia Ward, patricia.ward@msichicago.org. Please also copy our section secretary Barbara Gastel, bgastel@cvm.tamu.edu.

Thank you in advance for your ideas and help in this important endeavor.
The 2020 American Junior Academy President Award

The Dallas Cocke / Decker / Takahashi / McCoy / Brogie Memorial Award

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 do many AJAS directors that followed Dallas Cocke – Like Dean Decker, Virginia; Gloria Takahashi, 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.

The following twelve (12) students from nine (9) states submitted essays in 2019:

Shubhechha Dhaurali, MA; Neel Agarwal, Ohio; Alison Cover, CA;
Aakriti Lakshmanan, NC; Daphne Yang, NJ; Alisa Halchenko, NH
Caroline Karbowski, Ohio; Hanna Olson, NE; Rennica Huang, NC
Emily Meinert, PA; Pranav Nathan, TX; Patrick Kim, CA

Dallas Cocke Memorial Award
Best Essay 2019
Emily Meinert
Pennsylvania Academy of Science
North Allegheny Senior High School
Sponsoring Teacher: Robert Helm

See next page for complete Essay
What the AJAS Experience Has Meant to Me

By Emily Meinert, Pennsylvania Academy of Science

As a young woman wishing to pursue science, I will forever cherish my AJAS experience as one that only encouraged me to pursue my passions but served as an example of the power of scientific collaboration. While my state academy is quite large, Pennsylvania sends only one delegate, and this year, I was fortunate to accept that honor. Being the only delegate from my state, I feared this experience would be lonely, yet that could not have been more incorrect. On the very first day, I met dozens of fellows from across the country and instantly felt at home. For the first time in my life, I was surrounded by people who understood my interests, my research and myself. I have been conducting individual research for the past six years, yet few people are aware of my work. Here, however, I felt valued for my research. Every person I met was not only interested in my work, and eager to share theirs as well. The outpouring of support was overwhelmingly encouraging, and I will never forget that feeling of unwavering support. The next morning, I boarded a bus full of strangers, but throughout the day, those strangers turned into friends. We laughed over breakfast as I watched my new friends from the Southern California Academy of Science eat biscuits and gravy for the first time, and soon enough we all acted as old friends would as we toured the Smithsonian Museums. For the past few years, much of my life has revolved around competition, but the solace of knowing I were there to forge friendships and foster scientific comradeship allowed all of me to create lasting memories and even stronger bonds with these amazing delegates. That evening, as we shuffled into the cavernous ballroom, we looked around to find thousands of the most qualified scientists in the United States. Reading the badges they wore, I recognized institutions I dreamed of working with and names I had read in scientific journals. At that moment, I felt humbled to be in the presence of real scientific pioneers: those that were actively changing the world for the better. Then, the lights dimmed, and a tall, confident figure made her way to the podium situated on the grand stage. She introduced herself as Dr. Susan Hockfield and proceeded to welcome us to the 2019 AAAS meeting. I could not help but note the eloquence in her speech and the poise with which she commanded the audience, as well as her impressive list of accomplishments. I knew at that moment; I had found my role model. After her speech concluded, she introduced Dr. Margaret Hamburg, president-elect of AAAS. Dr. Hockfield read a summary of Dr. Hamburg’s extraordinary accomplishments, but what struck me most was the evident friendship between the two of them. Competitive women are often raised to view others as a threat, a dogma pressed upon myself included, yet seeing these two successful scientists share the stage was an inspiring challenge to this stereotype. The next day, the delegates and I shuffled onto buses as we made our way to the Carnegie Institute of Science. We sat hushed in our seats when a man strutted on stage and introduced himself as Dr. Collins, Director of the NIH and Director of the Human Genome Project. I listened eagerly as Dr. Collins detailed his career path, but what struck me was the unpredictable scenarios Dr. Collins had experienced. I realized that he had had far from a linear career path, something that calmed my career anxiety. After his inspirational speech and beautiful serenade on Rosalind, the guitar, we entered an enormous banquet hall and seated ourselves around delectable sandwiches to savory flatbreads. While the time spent with my new friends was wonderful, the dinner was a close second. The next morning, I was honored to join my fellow delegates at a dinner at the stunning DC Botanical Gardens. This experience was truly unique, as a senator had to reserve this hall for our event. This gesture spoke volumes, as it made myself as well as my fellow delegates feel valued and rewarded by our country for our hard work and scientific pursuits. The dinner was immaculate, ranging from delectable sandwiches to savory flatbreads. While the time spent with my new friends was wonderful, the dinner was a close second. The next morning, I prepared diligently for my oral presentation. Over the years, I had given dozens of speeches, yet this felt different. When the time came for my presentation, my peers greeted me with encouraging smiles. My stumbles were met with forgiveness rather than smirks, and my peers stayed engaged the entire time. Out of all the research projects I have presented, this presentation was by far the most enjoyable simply due to the positive atmosphere created by my peers. Relieved to be finished with presentations, my new friends and I decided to prepare for the concluding festivities, a large banquet for our entire delegation. Once again, we dined on some of the finest food I had ever eaten, but the mood was dampened by the idea that we would all be leaving the next morning. While we knew our paths would re-cross later in the professional world, the idea of leaving people so similar to ourselves was bittersweet. The next morning, as I boarded my plane home, I thought of the extraordinary and unique experiences I had over the last week. I was able to hear from scientists impacting meaningful change today, as well as form friendships with the scientists who will impact change for decades to come. AJAS was refreshingly not a competition, but rather an opportunity to showcase the power of teamwork and uplifting others. With such a divided world where competition drives almost all pursuits, AJAS stands alone in proving that true power is found in collaboration between peers for the greater good. From the first moment I arrived, AJAS facilitated an atmosphere which encouraged camaraderie and collaboration. Every speech, event, and presentation I attended spoke to this theme that AJAS is a place for sharing and learning, not for breaking others down to lift oneself up. This experience has truly reshaped my idea of science not only because of the immersive scientific experiences but because of the hope that the future will be one running on collaboration between all who wish to see the world advance.
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 the Spring of 2020. For information, contact: Executive Director email: Kramlich@uab.edu

The Arizona-Nevada Academy of Science: Contact: Permanent Secretary Dr. Pedro Chavez: pchave@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. R. Panneer Selvam, Department of Civil Engineering, University of Arkansas, Fayetteville, AR 72701/(479)-575-5356 email: rps@uark.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. We can not wait for the upcoming conference Feb. 12-16th, 2020 in Seattle, WA. 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, noonan@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 will be held March 27-28th at Valdosta State University. Contact our 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 Illinois College April 3-4, 2020. For more information, contact our secretary, Rick Essner at ressner@siue.edu for details.

**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 135<sup>th</sup> Annual Meeting will be March 21<sup>st</sup>, 2020 at J.W. Marriot, downtown Indianapolis. 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 152<sup>nd</sup> Annual Meeting will be held April 3-4, 2020, at Baker University. 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 2019 Annual Meeting was Nov 1-2 2019 at Berea College. 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 94<sup>th</sup> Annual Meeting will be held March 14<sup>th</sup>, 2020 at Louisiana State University. 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. 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@mnmas.org.

**The Mississippi Academy of Science** helps coordinate and organize scientific seminars and symposia in Mississippi. The 84<sup>th</sup> Annual Meeting will be held Feb. 20-21, 2020 at Biloi 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 56<sup>th</sup> Annual Meeting will be April 24<sup>th</sup> & 25<sup>th</sup>, 2020 at Missouri Southern State University. For information, contact Business Manager Ginny McGhe, 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 117<sup>th</sup> Annual Meeting will be held March 27-28, 2020 at Lenoir Rhyne University in Hickory, NC. 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
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<th>Academy Name</th>
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<tr>
<td>North Dakota Academy of Science</td>
<td>The purpose of the Academy is to promote and conduct scientific research and to disseminate scientific knowledge. The Annual Meeting will be taking place April 3, 2020 on the campus of the State Capitol. 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: <a href="mailto:ndas@ndacadsci.org">ndas@ndacadsci.org</a>.</td>
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<td>The Nebraska Academy of Sciences</td>
<td>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 129th NAS Annual Spring Meeting was April 12, 2019. Over 400 attendees observed nearly 240 abstract presentations during this year’s event. The 130th NAS Annual Spring Meeting will occur on April 17th, 2020, at Nebraska Wesleyan University. For information, contact <a href="mailto:nebacad@unl.edu">nebacad@unl.edu</a>.</td>
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<tr>
<td>New Jersey Academy of Science</td>
<td>The purpose of the Academy is to stimulate education and research in science throughout New Jersey. The 65th Annual Meeting will take place May 2, 2020 at Kean University. For information about NJAS, visit us at Kean University, New Jersey Center for Science, Technology &amp; Mathematics Education, 1000 Morris Ave., STEM Bldg. 5-13, Union, NJ 07083, or <a href="http://www.njas.org">www.njas.org</a>.</td>
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<td>New Mexico Academy of Science</td>
<td>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 <a href="mailto:nmas@nmas.org">nmas@nmas.org</a>.</td>
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<td>The Ohio Academy of Science</td>
<td>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 will be April 18th, 2020 at Cleveland State University. For information, contact CEO Michael Woytek, <a href="mailto:info@ohiosci.org">info@ohiosci.org</a>, <a href="http://www.ohiosci.org">www.ohiosci.org</a>.</td>
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<td>The Oklahoma Academy of Science</td>
<td>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, <a href="mailto:aryburn@okcu.edu">aryburn@okcu.edu</a>, oklahomaacademyofscience.org.</td>
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<td>The Oregon Academy of Science</td>
<td>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. In 2020, this meeting will take place in February at Portland State University. For information contact: Secretary: Jeff Duerr at <a href="mailto:jduerr@oregonstate.edu">jduerr@oregonstate.edu</a>, <a href="http://oregonacademyscience.org/">http://oregonacademyscience.org/</a></td>
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<tr>
<td>Pennsylvania Academy of Science</td>
<td>The 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 will be held at York College March 20-22, 2020. For more information visit our webpage at <a href="https://pennsci.org/">https://pennsci.org/</a>, or contact President Ed Levy at <a href="mailto:epl1@psu.edu">epl1@psu.edu</a>.</td>
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| The South Carolina Academy of Science           | 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 will be March 28th at Furman University. For information contact: Secretary Janie Sigmon at jsigmon@yorktech.edu. Website: http://scacademysci.org/
<p>| South Dakota Academy of Science                 | Contact: Paul Johnson for details at <a href="mailto:paul.johnson@sdstate.edu">paul.johnson@sdstate.edu</a>. Website: <a href="http://www.sdaos.org/">http://www.sdaos.org/</a> |</p>
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<th>Academy News</th>
<th>UT</th>
<th>Washington D.C. Academy of Science:</th>
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<td><strong>Southern California Academy of Science:</strong></td>
<td>The University of Utah Annual Conference will be held March 13th, 2020 in Salt Lake City Utah. To find more information please contact: <a href="mailto:utahacademy@gmail.com">utahacademy@gmail.com</a> or visit: <a href="http://www.utahacademy.org/">http://www.utahacademy.org/</a></td>
<td>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: <a href="mailto:academy@washacadsci.org">academy@washacadsci.org</a> call 202-326-8975 or visit: <a href="http://www.washacadsci.org/">http://www.washacadsci.org/</a></td>
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<td><strong>The St. Louis Academy of Science</strong> 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 <a href="http://academyofsciencestl.org/">http://academyofsciencestl.org/</a></td>
<td><strong>Vermont Academy of Arts and Sciences</strong> 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 more information contact us at <a href="mailto:vanhoesenj@greenmtn.edu">vanhoesenj@greenmtn.edu</a>.</td>
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<td><strong>The Tennessee Academy of Science</strong> 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: <a href="mailto:Teresa.fulcher@tennacadofsci.org">Teresa.fulcher@tennacadofsci.org</a>; or visit the website: <a href="http://www.tennacadofsci.org/">http://www.tennacadofsci.org/</a></td>
<td><strong>The Virginia Academy of Science</strong> promotes the advancement of science in the Commonwealth of Virginia. Our publication <em>the Virginia Journal of Science</em> 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: <a href="mailto:vasoffice@vacadsci.org">vasoffice@vacadsci.org</a> or call 804-864-1450.</td>
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<td><strong>Texas Academy of Science:</strong> 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 <a href="mailto:frank.dirrigl@utrgv.edu">frank.dirrigl@utrgv.edu</a> or visit the TAS webpage here: <a href="http://www.texasacademyofscience.org/">www.texasacademyofscience.org/</a></td>
<td><strong>Washington State Academy of Sciences:</strong> 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 <a href="mailto:donna.riordan@washacad.org">donna.riordan@washacad.org</a> or visit: <a href="http://www.washacad.org/">http://www.washacad.org/</a></td>
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<td><strong>The Wisconsin Academy of Sciences, Arts, and Letters:</strong> The Wisconsin Academy of Sciences, Arts, and Letters 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 will be held at Fairmont State University in Spring 2020. For more information contact Jeremy Keene at <a href="mailto:Jeremy.keene@glenvill.edu">Jeremy.keene@glenvill.edu</a> or visit: <a href="http://pwvas.org">http://pwvas.org</a></td>
<td><strong>The West Virginia Academy of Science</strong> 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 will be held at Fairmont State University in Spring 2020. For more information contact Jeremy Keene at <a href="mailto:Jeremy.keene@glenvill.edu">Jeremy.keene@glenvill.edu</a> or visit: <a href="http://pwvas.org">http://pwvas.org</a></td>
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Envisioning Tomorrow’s Earth
(Continued from Page 1)

This year’s AJAS chaperones represent the full spectrum of teaching that promotes student success. AJAS chaperones are parents, grandparents, teachers, state Junior and Senior Academy members, NAAS board members, and mentors. This support network is vital in promoting scientific literacy and success in scientific research. Thank you!

In addition, two-thirds of our chaperones have attended previous AJAS meetings; 48 veterans, 25 freshmen. Of the 48 veterans, 7 have attended 20 or more conferences: David Bass (OK), Ed Brogie (NE), Peter Faletra (NH), Don Jordan (SC), Ernest Schiller (IA), Karen Shepherd (TX), and Michael Strauss (TX). To our freshman class of chaperones: Welcome! Our veterans are amazing. They will take you under their wing and make you feel a part of our family.

The AJAS/NAAS conference begins on Wednesday, February 12th at the Sheraton Grand Hotel. Pick up your name tag and materials at the registration table (2:00pm-5:00pm Grand Ballroom). The NAAS Board meeting is scheduled from 2:00-5:00pm (Cedar A). The chaperone meeting will begin at 5:00pm in Metropolitan Ballroom A. At this meeting you will meet your fellow chaperones and meet with your committee members. Our official welcome, reception, and opening session will be held Wednesday evening (6:30-10:30pm Grand Ballroom).

Seattle weather in February averages 15 rainy days, 1 day of snowfall, and approximately 4 sunshine hours per day. The average high-temperature is 49.8°F (9.9°C), and the average low-temperature is 36.9°F (2.7°C). There’s a saying in Seattle: “If you can’t see Mount Rainier, it’s raining. If you can see Mount Rainier, it’s going to rain,” so come to Seattle prepared for rain!

In closing, I want to express a heartfelt Thank You to the Washington State Academy of Science. During our site visit academy members welcomed us with open arms and assisted with planning. Thursday’s tours include: the University of Washington, Institute for Systems Biology, Boeing, UW Medicine Research Facility and Microsoft. Other special events include riding the Monorail for an evening reception at MoPOP and hosting the AJAS Honors Banquet at the Museum of Science.

I am looking forward to seeing everyone in Seattle. Safe travels!

Lee Ann Brogie, AJAS Executive Director

Sudip Parikh will become the 19th CEO of AAAS

NAAS and AJAS would like to welcome Dr. Sudip Parikh to AAAS. Sudip Parikh will join the American Association for the Advancement of Science (AAAS) as the chief executive officer and the executive publisher of “Science” and its family of journals on January 6, 2020. He will follow Alan Leshner and Rush Holt, in this position.

Sudip Parikh, currently serves as the senior vice president of DIA (Drug Information Association) Global, and will become the 19th chief executive of the AAAS. Prior to working at DIA, Parikh served in leadership positions at Battelle.

Parikh worked as the science advisor and professional staff for the United States Senate Committee on Appropriations from 2001 to 2009. He served as the committee’s liaison to science and technology industries, as well as institutions and universities.

Parikh also serves on the boards of Research!America, Friends of Cancer Research and on the programmatic consultation committee of the National Institutes of Health National Center for Advancing Translational Sciences.

As a past NIH Presidential Management Fellow, Parikh was awarded a National Science Foundation Graduate Research Fellowship while earning his Ph.D. in macromolecular structure and chemistry from Scripps Research Institute. He received a bachelor’s degree in materials applied science from the University of North Carolina.

Ed M. Brogie, NAAS Executive Director
Thank you to all of our sponsors!
http://www.academiesofscience.org/ajas-current-sponsors

A Special Thank You to all of our private donors!

Peter and Elaine Faletra
Ed and Lee Brogie
An American Association for the Advancement of Science (AAAS) Fellow is one of the most prestigious honors in the United States. The AAAS Fellow Award acknowledges individuals that may have made significant contributions in research, teaching, technology, education, leadership in education for professional societies, in academia, industry, and government, and communicating and interpreting science to the public.

We appeal to the members of the State Academies (see list of State Academies on page 2 of this Newsletter) to find and nominate members from their State Academies for this distinguished award.

The nomination process is well designed and does not present a time-consuming task.

You must be a member of AAAS for four consecutive years and members of AAAS receive SCIENCE the most prestigious science magazine in the world. A must read for any scientist, included with membership.

Fellows who are current members of AAAS are invited to nominate members for election as Fellows. We have many members of the leadership of the National Association of Academies of Science (NAAS) who are Fellows of AAAS. Membership to AAAS allows one to identify & affiliate with three sections and sections play a vital role in the nomination process. It is well worth the approximate $150.00 per year to be blessed with all these opportunities.

So if you have questions or individuals you want to nominate please get in touch with NAAS President Michael Strauss, Michael_Strauss1@hotmail.com, or NAAS CEO Ed Brogie, edbrogie@gmail.com.

Do it now even if you are not a member of AAAS, it well worth the consecutive membership for four years.

Go Science
Don Jordan, djordan@sc.edu
NAAS Newsletter Editor