AWG 2017 Outstanding Educator Susan Howes Conrad

Susan Howes Conrad, Full Professor in the Physical Science Department at Dutchess Community College (DCC) in Poughkeepsie, New York, has been awarded the 2017 Outstanding Educator Award by the Association for Women Geoscientists. This prestigious award goes to one woman each year who has played a significant role in the education and support of geoscientists inside and outside the classroom. This is the first time this award has gone to a community college educator.

Candidates are evaluated based on their contributions in mentoring, instruction and curriculum, and outreach to the broader community. In announcing this award, Dr. Kelsey Bitting, Chair of the AWG selection committee, noted Susan’s talent for “guiding young women from all backgrounds and life histories into geoscience and mentoring them long after they continue on from her institution.”

Susan grew up in Newark, Delaware, and credits wonderful teachers such as Bill Harrison, her high school Earth Science Teacher, with encouraging her interest in science. A summer research project on Cape Cod with Earthwatch Institute during high school gave Susan the chance to work with coastal geologists and botanists and graduate students in those fields. She graduated from Franklin & Marshall College in Lancaster, Pennsylvania with a BA in Geology, and then received her Master’s Degree in Geology from Southern Illinois University – Carbondale, working with thesis advisor Dr. Dale F. Ritter, followed by additional graduate work at the University of Delaware.
Good Morning, and welcome everyone to the Fall 2017 BOD meeting!

Welcome to the new faces, as well as welcome back to the AWG BOD veterans. For the new folks just beginning, we are glad to have you to inject new ideas and visions into our efforts. For the people who are returning, we look forward to continuing to bring into being all the plans we’ve set out to accomplish. When I look back at our minutes from the past several board meetings, in particular, the Fall 2016 notes, we have some great and ambitious ideas - and exciting challenges - ahead of us!

First, I want to share some news about the Executive Committee. We are fortunate that our exceptional exiting Past President, Blair Schneider, who many of you already know (and if you don’t, you will after this meeting) is now a Director for the AWG Foundation. This will enable great continuity and collaboration with the AWG Foundation. We have an amazingly talented bunch of people on our Executive Committee, and I am looking forward to working with them. I am personally extremely grateful to Roxy, who has just transitioned from President to Past-President, for showing me the way as we go, and to McKenzie, who has just officially become President-Elect, but has already earned that title for all the hard work she has done. Thanks to both of you for all of your valuable efforts! Bevin will continue to do the excellent work she does as our Treasurer this year – thanks Bevin!

We have a pretty full agenda for this meeting, and lots of different topics to go over. We are going to have collaboration with the AWG Foundation, and also talk to AIPG about our synergy and collaboration with them, which we really started ramping up last year. We are also going to continue last Fall’s discussion about our membership numbers and member benefits, and continue to explore our mission, and these existential questions: Continued Page 3
More from the AWG President
Continued from Page 2

What do we have to offer potential members? What makes us unique? How can we attract attention at professional conferences? How can we generate enough revenue to keep the organization going without raising dues or fees too much? I’m sure we will visit these topics and others throughout the weekend.

Each year, the President chooses a theme to focus on during her tenure. My theme for us this year is diversity. I want us to really deeply ponder how we can increase and encourage diversity in all forms, so that our organization reaches out to people of all ages, abilities, backgrounds, race, religions, and sexual orientations. We are a service organization, and the first step in outreach is to make sure everyone feels they have a place with us. I want to make sure that anyone involved in geoscience, around the world, who needs a mentor, or is the victim of harassment or discrimination at work, or wants to transition their career into geoscience, can find support from us. We do an excellent job of reaching college-age U.S. potential members, and generate several new student chapters each year. That is fantastic, and we want to keep doing that. But, let’s think about how we can also reach the newly hired woman, in an all-male department, who needs a team. Let’s reach the mid-career or late-career folks who may be laid off due to age or have taken a career pause to have a baby, and think they’ve lost their team.

Let’s think about how we can get retirees more involved, especially as mentors and field trip leaders. When we do establish those new student chapters, let’s get the professors and alumni involved as well. We can work on generating more international chapters, perhaps by translating part of our website into other languages or by getting more exposure at international conferences. When we travel, we can contact people at the local universities and societies and introduce ourselves and AWG. Let’s turn “international” from one region category into seven, distinct AWG regions. Ramping up chapter events through free activities that keep people networking, and keep people actively generating the AWG team spirit would be great. The virtual world is convenient, but nothing beats real life for building true camaraderie.

Continued Page 14
Hello Members!

As the new secretary for the AWG Foundation, I want to thank Emily Browning for her years of organization for our work. Emily has lead by excellent example as she worked with the AWG project leads to ensure timely and appropriate submissions of both proposals for projects to be funded through the Foundation, and reports submitted to the Foundation at the end of each fiscal year review cycle.

I also want to thank our dedicated project leads and committees who volunteer their time and talent as they support the efforts of the AWG. I have been communicating with our leads to let them know that we are preparing our approval letters after reviewing and acting on the 32 received FY2018 proposals.

The AWG projects funded through the Foundation are the tangible and impactful components of the AWG organizations efforts. We on the Foundation Board are the fiduciary shepherds who shuffle the paper work, hold the purse strings, seek to add to our coffers, and uphold the fiscal obligations of our 501(c)3 corporation.

In FY 2017 AWGF managed $61,262.14 of expenditures on the AWG projects, touching women in the geosciences in multiple ways (See chart on page 5). Distributed over 34 projects ranging from support for the publication of Anomalies: Pioneering Women in Petroleum Geology 1917-2017 by Robbie Rice Gries to student subsidies at AWG award functions with many Scholarship and Award programs in between, AWG programs benefit hundreds of women and girls in geoscience each year.

As I carry out my new role, my hope is to continue to emulate Emily who shepherded our flock of project leads through with kind and consistent communication. I do realize that AWG is a philanthropic pasture that while it enriches us, it does encroach on family and work life.
Continued from Page 4

I don’t intend to nip at any heels, but rather hope to effectively tend the communications and timelines that will keep us sustained and growing in our mission.

Personally, I am an exploration geoscientist with over 20 years in the oil and gas industry, having worked primarily offshore deepwater environments. My interest in geology came about at Bryn Mawr College where I was surprised by the 4.5 billion year geologic timeline that was vastly longer than the 7 days we had learned about in my parochial high school. My husband is a fellow industry geoscientist and with our 13 year old son we have recently moved to the Permian Basin after 6 extraordinary years in the United Kingdom. I’ve spent many late nights on Skype calls with my fellow AWGF board members.

Now that I am on a more suitable time zone, I look forward to supporting the board as secretary and more so to engaging with our remarkable AWG members.

Whether you reach into your own pocket, organize a chapter fundraising function, or make a direct ask of an employer, you are also critical to the tending of our flock of projects because it is you who keep the mission moving forward. Thank you for all you do, thank you for all you give, and thank you for being a part of AWG.

Enclosed is my contribution of $_____________

Please use my contribution for:

___ AWGF General Fund (supports greatest need)
___ Other: ______________________

Name: ______________________________________________
Address: ____________________________________________
City/State/Zip: _______________________________________
Phone or e-mail: _____________________________________

Mail to: Kate Johnson, AWGF Treasurer, 652 Glimmerglen Road
        Cooperstown, NY 13326
Or donate online at www.awg.org
Every year, the Association for Women Geoscientists recognizes strong contributions and excellence within the field. The awardees are always an inspirational group and this year was no exception! The 2017 AWG award winners were recognized at the annual AWG awards breakfast ceremony, held in conjunction with the Geological Society of America annual meeting in Seattle, Washington. Each of these awardees have made significant contributions and serve as excellent role models of women’s excellence in the geosciences.

2017 Professional Excellence Award Winners

Professional Excellence Award in Academia/Research

Dr. Alycia Stigall is Professor of Geological Sciences at Ohio University in Athens, Ohio. Her primary research focuses on using the fossil record of invasions in the geologic past as a model for better understanding the long-term impacts of modern invasive species. Alycia’s work is grounded through strong mentoring and collaboration with her graduate students, and most of her publications include one or more student co-authors. Alycia is an active advocate for increased inclusion in science and the importance of science outreach within the community. She has developed websites and apps for fossil identification, trained regional K-12 science teachers in incorporating authentic science in their classrooms, published contributions on gender equality, and leads a Daisy Girl Scout troop. She was the 2016 recipient of the Charles Schuchert Award for Excellence and Promise in Paleontology from the Paleontological Society. Currently Alycia is co-leader of IGCP Project 653: The onset of the Great Ordovician Biodiversification Event, treasurer of the Paleontological Society, and deputy Editor-in-Chief of Frontiers of Biogeography.

Professional Excellence Award in Government/Regulatory

Dr. Kathryn Sullivan has a long career as a distinguished scientist, astronaut and executive. She was one of the first six women to join the NASA astronaut corps in 1978 and holds the distinction of being the first American woman to walk in space. She flew on three space shuttle missions during her 15-year NASA tenure, including the mission that deployed the Hubble Space Telescope. Since leaving NASA, Sullivan has held a variety of senior executive positions, including Presidential appointments to the National Science Board and as Chief Scientist, Deputy Administrator and Undersecretary/Administrator of the National Oceanic and Atmospheric Administration. An experienced corporate director, she currently serves on the board of the International Paper Company. Dr. Sullivan’s many honors and awards include election to the National Academy of Engineering, the American Academy of Arts and Sciences, the Astronaut Hall of Fame, Women Aviators Hall of Fame, Women Divers Hall of Fame and Ohio Veterans Hall of Fame. She has also been recognized as one of the 46 distinguished First Women by Time Magazine (2017), the 15 Women Changing the World by the World Economic Forum (2015), and Time’s 100 Most Influential People (2014). She has been awarded the Explorers Club Medal, Two Lowell Thomas Awards, the Rachel Carson Award, an Emmy and nine honorary degrees. She is currently a Fellow of the Potomac Institute and Ambassador at Large for the Smithsonian’s National Air and Space Museum.

Continued Page 7
Professional Excellence Award in Industry/Consulting

Lisa Gusek is a consulting geologist with approximately 38 years exploration, exploitation and development experience in the Oil and Gas Industry. The majority of her career was focused on the reservoirs of the Rocky Mountains including extensive experience in the fractured Niobrara of the Powder River & Sand Wash basins as an operator for small independent Oil and Gas companies. She has also worked for the federal government (USGS Conservation Division) and on the service company side with Baker Hughes International.

2017 AWG Service Award Winners

2017 AWG Encourage Award

Dr. Lynn Wingard has been a Research Geologist with the USGS since earning her Ph.D. in 1991. Her research focuses on the application of paleoecologic techniques to the interpretation of Holocene marine and estuarine ecosystems. For the last 20 years she has been conducting research in support of the Greater Everglades Ecosystem Restoration, but earlier in her career she thought she would end up as a University Professor. She still has a passion for teaching and mentoring, and AWG has provided her with opportunities to follow that passion. As the Southeast Region Delegate Alternate (2015-2017) and Southeast Region Delegate (2017 - ) for AWG Lynn has helped establish new chapters and add members. She has participated in USGS Mentorship program to work with early-career women scientists and is serving on the AWG Mentoring committee and she has participated in career day events at professional society meetings. In addition, she volunteers time in local schools and parks working with students and scout groups to inspire them to pursue science, and has presented the AWG SAGE award at the local county science fair for the last six years.

Continued Page 8
2017 AWG Enhance Award

Dr. Kelsey Bitting received her B.A. in Anthropology and Earth and Environmental Sciences from Vanderbilt University, and her Ph.D. in Geoscience from Rutgers University with a Certificate in Quaternary Studies. As a Postdoctoral Teaching Fellow for Course Redesign in Geology at the University of Kansas, her research interests shifted from geomorphology to geoscience education, which continue in her present position as Associate Director of the Center for Advancing Teaching and Learning through Research at Northeastern University. Kelsey’s scholarship has investigated the impacts of active and inquiry-based approaches to teaching and learning, as well as student factors such as interest, prior geoscience study, and beliefs and expectations about science learning, on students’ understanding of geoscience concepts and the process of scientific inquiry. She is also involved in an inter-institutional collaboration to formulate and test hypotheses about how best to prepare geoscience graduate teaching assistants for active student-centered teaching. Her publications include articles in Research in Science Education, Journal of Geoscience Education, Science Education, & Civic Engagement, and the On the Cutting Edge website. Kelsey also served as AWG’s Northeast Regional Delegate from 2015-2017, and she continues to serve as Chair for the AWG Outstanding Educator Award Committee. Beyond her service to AWG, Kelsey acts as Chair of the National Association of Geoscience Teachers (NAGT) Geoscience Education Research (GER) Division’s Communications Committee and as Founding Co-Chair of the POD Network’s Mindfulness and Contemplative Pedagogy Special Interest Group.

2017 AWG Exchange Award

Rania Eldam Pommer currently lives in Golden, CO and is pursuing a doctorate degree in geology and geochemistry. She finished her M.S. in May of 2016 from Colorado School of Mines, completing a thesis that characterized elemental cycling within a watershed near Boulder Creek. In 2014, she received a National Science Foundation Graduate Research Fellowship and is working to further her knowledge of geochemical weathering, metamorphic petrology, and numerical modeling. She received her B.S. in geosciences from The University of Texas at Austin in 2013. Rania served on the AWG Board of Directors from 2014 – 2017 and was recently elected as Editor for the AWG Executive Committee. She is heavily involved in K-12 STEM education outreach through both her organizational affiliations and personal interest. Her work experience includes research and teaching experience in an academic setting and industry experience in the petroleum field. In her spare time, she focuses on writing her children’s book series: MD and Finn. This series aims to make STEM concepts accessible for all young minds by applying critical thinking skills to daily problems. It works to give children ideas about how to approach something like baking a cake or building a tree-house, while sneaking in technical skills like measuring and matching shapes.

Continued Page 9
AWG President’s Award

Christina Tapia is a native Texan from San Antonio, Texas. She began her academic journey at Brown University in Providence, RI, where she received her Bachelor of Science degree in Geophysics. Christina continued her education at the University of Texas at El Paso, where she earned a Master of Science degree in Geophysics as well. Upon completion of her Masters, Christina moved to Houston to work as a geophysicist for ExxonMobil. She has had the opportunity to work in various roles throughout her 15 years with ExxonMobil including being part of a breakthrough technology research team, supporting seismic data processing across the world, and providing geophysical expertise to asset teams across the Upstream. Christina has been a longstanding member of AWG and has served as the AWG Minority Scholarship Chair during the majority of that time. Her greatest passions include sharing her interest in the geosciences and promoting careers in the STEM fields to children in grades K-12.

AWG Distinguished Service Award

Kate Johnson, is retired after 39 years of service as a geologist and manager with the U.S. Geological Survey. In retirement she continues to volunteer with professional organizations whose goals are to ensure equality of opportunity for women in science. Kate has served on and led numerous boards and national/international committees, starting while active in student government in high school, college, and graduate school. She joined AWG in the late 1970s; and has served in leadership roles in several chapters; as Association secretary, vice-president, president, and past president in the 1980s; as Foundation vice-president, president, and past president in the 1990s; and most recently, as Foundation director (2007–2013), president (2013–2015), and treasurer (beginning in 2015).
AWG Chapter Excellence Award

The chapter excellence award this year goes to the Ozark Chapter. Founded at the University of Arkansas at Fayetteville, established in 2012, the Ozark Chapter funds their own undergraduate and graduate scholarships and raised over $5000 last year for student scholarships to field camp and graduate student research. They do an extensive amount of outreach with local schools and girl scout troops, introducing them to geology. For undergraduates, they hold a field work jamboree to introduce students to the expectations of field camp, and for the university at-large, they hosted AWG Distinguished Lecturer Dr. Amanda Keen-Zeber. Great job, Ozark Chapter!

AWG Special Recognition Award

Maitri Erwin, draws upon a diverse background with an undergraduate degree in geology from the University of Illinois at Urbana-Champaign, and a MS degree in structural geology and an interdisciplinary MS degree in computational sciences and geophysics from the University of Wisconsin at Madison. Maitri is currently manager of Global Exploration New Ventures for Latin America at CNOOC Nexen Ltd. Maitri is a board member of the Geophysical Society of Houston as First Vice President-elect, and an active member of the Society of Exploration Geophysicists and the European Association of Geoscientists and Engineers. She is a founding member and current Chair of the Society of Exploration Geophysicists Women’s Network Committee and has been instrumental in building the relationship between AWG and SEG as we tackle important issues regarding recruitment, retention, and recognition of women in the geosciences.
Building Community: SE Region AWG Social Gathering at GSA
Submitted by Tricia Kelley, Lynn Wingard, and Kristen St. John

Regional delegates organized an informal get-together for folks from the Southeastern Region of AWG attending the national GSA meeting in Seattle last month. Approximately 15 AWG members from the SE Region met for conversation, light appetizers, and drinks at a restaurant close to the convention center. The delegates saw this as an opportunity for building community among members – and for putting names to faces (including the new delegates!). Most of the attendees were at-large members of AWG so this social gathering became a small way for members who are not affiliated with a particular chapter to make connections and share ideas with each other and the delegates. It was interesting to see that several attendees already knew each other through other geoscience connections – knowing that we are also connected via AWG was a happy surprise. It was also nice to engage in conversations that were cross-generational, as attendees were from a wide range of career stages, from student to senior personnel. The success of the event was evident and we are looking forward to organizing future social gatherings at other venues that already draw our AWG members. So if you are attending the SE GSA meeting this spring be on the lookout for an e-invite to both help at the AWG booth and to enjoy the company and conversation with other AWG members for an informal get-together in Knoxville.

Ireland Chapter
Welcome to the first European chapter of the AWG. The Irish Association for Women in Geosciences (IAWG) is excited to become part of the AWG family! They formed in September 2017 and are busy planning the first year of exciting events including a great mentoring program, career days, panel discussions and workshops, not to mention our official launch in early 2018! As a nationwide initiative they serve all members in Ireland and welcome anyone who supports the goal of the chapter to support, promote and encourage women in geosciences at all levels of their careers.

Committee/Chapter Leadership
We have a great cohort of dedicated volunteers working hard to serve our members!
President - Dr. Aoife Blowick
Vice President – Dr. Chris Mark
Secretary – Fani Papageorgiou
Treasurer – Dr. Aoife Brady
Contacts: Get in touch @irishAWG on twitter, Facebook, Instagram and LinkedIn, e-mail us at irishAWG@gmail.com or check-out our website at www.irishawg.wordpress.com!
Chrysalis Challenge

Take the CHRYSLIS CHALLENGE! Make a video to THANK YOUR MENTORS, challenge others to do the same, and make a donation to the AWG Chrysalis Scholarship fund. Go to: https://tinyurl.com/awgchrysalis

The AWG Chrysalis Scholarship provides support to women geoscientists who have had an interruption in their graduate studies. These women are goal oriented problem solvers, and the Chrysalis Scholarship helps them go back to finish their degrees so they bring those skills to the workplace.

When ‘life happens’, it is often women that are willing to make personal sacrifices in order improve the life circumstances of others. Those sacrifices should be temporary, not life-long. Chrysalis helps them get back to business!

Here is a link to view the video about the challenge: https://youtu.be/GNw9m7oFDcI

https://twitter.com/AWGchrysalis Twitter account for challenge

https://www.facebook.com/groups/495073124204157/ Facebook chrysalis challenge

https://tinyurl.com/awgchrysalis to the donation page.

What is the Chrysalis Scholarship?
The Chrysalis Scholarship provides degree-completion funding for women geoscience graduate students whose education has been significantly interrupted by life circumstances. Awarded funds are intended to cover costs associated with completion of her thesis/dissertation, beyond what is traditionally covered by primary research funding. Costs may include drafting expenses, child-care, defense travel, late-stage research and analyses, or anything necessary to assist a candidate during those critical, final days.

Award Amount Up to $2,000 and a one-year student membership with AWG

For more details go to: http://awg.org/images/awards/Chrysalis.pdf

Or email chrysalis@awg.org
Mentoring 365 partners up with AWG!

Mentoring is no longer exclusive to scientific conferences! Introducing Mentoring365, a new year-round mentorship opportunity. AWG, in collaboration with other Earth and space science organizations, created Mentoring365.

The program is entirely virtual, allowing scientists from around the globe to come together and share professional knowledge, expertise, skills, insights, and experiences. Throughout the program, mentors and mentees are provided with structured, adaptive tools to develop and attain their professional goals. Mentors, apply now to give back to the community and help support the next generation of Earth and space scientists. Mentees, apply now and ensure you reach your full potential.

Eligibility

Mentoring365 (mentoring365.org) mentees can be current students, post-docs, or recent graduates. Mentors can range in career stage from post-docs to senior scientists. The most important requirement is that you are dedicated to providing and receiving guidance.

Time Commitment

Once matched, mentors and mentees work through guided resources over the course of 3-months. Weekly check-ins should be held between each mentoring pair for approximately 30 minutes.

Please don’t hesitate to reach out if you have any questions or concerns about the program, and we’ll get back to you as soon as possible!

Best regards,

Mentoring365 Team

Email: mentoring@awg.org
I think we do an excellent job of interfacing and collaborating with other geoscience groups. A lot of the issues and struggles we face are the same as those faced by women and other minorities in many other industries, such as computer science, engineering, and physics: gender gaps in classrooms and the workplace, pay inequality issues, hostile work environments, etc. Let’s reach out to folks in these other disciplines. We can find ways to network with them, learn from them, and share our experiences with them in return. This year, let’s continue to build AWG into a diverse, supportive, and global team!

**AWG Distinguished Lecturer Program**

See the Distinguished Lecture Program in Action. Member Alison Graettinger, Assistant Professor at the University of Missouri Kansas City, invited long time AWG member Donna Jurdy to come speak. Here is a recap of the event: “Donna gave a talk for the Geoscience department on Mars and it had standing room only. She also presented on SETI that drew in a lot of our Astronomy and Physics department as well as geoscientists (upper photo). She also had lunch with the Women in Science group WiSci. We took two female students (one grad one ugrad) along for dinner and they both have said how much they enjoyed getting a chance to talk with Donna in a small group (lower photo).”

Submitted by Alison Graettinger

Thanks to ConocoPhillips for their continued support of the AWG Distinguished Lecturer Program. Their recent funding will help continue the program into 2018. Please send all DPL requests to dls@awg.org with a request form found at http://awg.org/distinguishedlecturer. A list of lecturers and topic areas can be found there as well.
Outstanding Educator  Continued from Page 1

Susan notes that experience as a teaching assistant in graduate school and a laboratory assistant at Franklin & Marshall were early and important training grounds for her, even before she realized she wanted to be a teacher. In graduate school at the University of Delaware, she went to a workshop for teaching assistants on literacy and working with adult non-readers. “I then received training and volunteered tutoring adult non-readers and saw how directly and profoundly learning can change lives,” Susan said. “An understanding of the Earth - geoscience literacy - makes people better citizens who are more engaged in the world.”

Susan taught in the Geology Department at Lamar University in Beaumont, Texas before a visiting instructor position in Vassar College’s Geology and Geography Department brought Susan and her husband John to the Hudson Valley. Before joining DCC full-time, she worked as a research assistant at the Hudson River National Estuarine Research Reserve and served as the Continuing Education Program Leader at the Institute of Ecosystem Studies (now the Cary Institute) in Millbrook, New York. At DCC, Susan has taught Physical Geology, Historical Geology, Earth Science, Water Resources, Oceanography, Technology and the Environment, and an introductory science seminar. She also incorporates service learning into her courses, creating transformative opportunities for her students to learn and contribute to the world beyond the traditional classroom setting.

Susan has contributed to summer programs such as Upward Bound, the Dutchess County Regional High School of Excellence, and Women Investigating Sciences & Environments at the University of Nebraska. Among these and other service achievements, she helps to organize and run an annual hands-on science program for local middle-schoolers called “Math and Science Matter: Especially for Young Women.” Susan is also active in the wider community as a volunteer and member of several organizations that promote food security and assist with hunger and poverty programs and sustainable development locally and in Appalachia and the Dominican Republic.

Her students credit Susan with instilling the kind of confidence that allows you to go farther than you think you can, not only guiding them through their first experiences with geologic concepts, but also inspiring them to compete for internships and scholarships, encouraging them to conduct undergraduate research and present their work at scientific meetings and community forums, and counseling them to find paths to transfer to four-year institutions. Non-traditional students like Cecia Juarez-Sanchez, who enrolled at DCC thirteen years after graduating high school, found in Susan a “dynamic and engaging” mentor who gave her the confidence to apply for and receive an academic scholarship while at DCC. Another former student, Anna Vaculik, remembers that Susan stayed in touch as an advisor and mentor even after she transferred from DCC to Mount Holyoke College and then on to grad school. Dr. Jeff Cavalieri, a colleague in chemistry at DCC, regards Susan as “among the finest faculty we have at DCC today,” citing her dedication to students, her leadership roles at the college and in the community, and “an excitement about her field that she transmits daily to her students.” Dr. Tony Zito, another DCC colleague in physics and astronomy, says she brings “intangibles that can nudge our students toward a larger vision of themselves and the meaning of education.”

The award was presented to Susan at the October 2017 meeting of the Geological Society of America in Seattle, Washington.
AWG Announces a New Step Forward in the Fight against Sexual Harassment in the Sciences

AWG is thrilled to announce a new NSF Advance Partnership grant that has just been awarded to develop sexual harassment bystander intervention training specifically for the geosciences. Blair Schneider, AWG Past-President, will serve as co-PI and represents AWG, alongside Erika Marín-Spiotta (lead PI) from the University of Wisconsin-Madison and the Earth Science Women’s Network (ESWN), Billy Williams (co-PI) of the American Geophysical Union, Allison Mattheis (co-PI) from California State University, Rebecca Barnes (co-PI) from Colorado College and ESWN, Asmeret Berhe (co-PI) from the University of California and ESWN, and Meredith Hastings (co-PI) from Brown University and ESWN. The award is a four-year, $1.1 million grant from the NSF ADVANCE program. This program aims to increase the participation and advancement of women in academic science and engineering careers.

This partnership originally stemmed, and has continued to grow, from the NSF funded workshop “Sexual Harassment in the Sciences: A Call to Respond” that was co-sponsored by AWG in September of 2016. “I knew we had started a real spark of momentum with this workshop, and seeing the progress that is being made through professional societies in regards to developing and implementing effective codes of conduct has been a great result. The collaboration put forth for this proposal represents the next step to putting a stop to sexual harassment in the sciences,” Blair Schneider says.

The first goal of this project is to develop bystander intervention workshops and modules that will help department leaders and faculty learn how to appropriately respond when they witness seeing someone who is being harassed. In addition, the team will work on sexual harassment awareness and prevention training materials that they can be used for teaching ethical conduct related to research. The end goal of this project will be to collaborate with our professional society partners to help disseminate these materials across the nation for implementation and sustainability.
AWG Scholarships and Awards

Sand Student Research Presentation Travel Award

The Sand Student Research Presentation travel award provides women geoscience students with support to present their research at the Annual Meeting of the Geological Society of America. This travel award is named for Virginia (Ginny) Sand (1928–2007), an award-winning geoscience teacher and world traveler. Ginny graduated from Northwestern University with a degree in geology, and she spent three decades teaching geoscience at Kent State University after obtaining her M.A. Her many activities supporting AWG included serving as editor of GAEA (1988–1991). Her travel destinations ranged from the Galapagos Islands to Iceland and, at the age of 76, included a journey to Antarctica.

The award is to be used to help defray travel, lodging, registration fee, and other expenses associated with the presentation of the awardee’s research at the Annual Meeting of the Geological Society of America.

The application deadline is February 10th, 2018.

Visit http://awg.org/awards for more information.

Association for Women Geoscientists Maria Luisa Crawford Field Camp Scholarships

The Crawford Field Camp Scholarship is named for Louisa (Weecha) Crawford. Maria Luisa (Weecha) Crawford attended Bryn Mawr College in Pennsylvania and took geology for her science requirement because it sounded interesting and different. She decided to major in geology and spent most of her career as a professor teaching and working with students at Bryn Mawr College.

General Information

Award Amount: Two awards of $750 each will be given to offset the cost of summer field camp (awards include AWG membership)

Application Deadline: February 14th, 2018

Application Criteria and Procedures

The applicant:

- Must be a full-time student who is pursuing an undergraduate degree in the geosciences (geology, geophysics, geochemistry, hydrology, meteorology, physical oceanography, planetary geology, or earth science education) at an accredited college or university
- Must have a GPA of 3.0 or higher

Apply online at: http://nagt.org/nagt/programs/field_scholarships.html

- The application calls for an essay explaining how the field-camp experience fits into long term academic and career goals, two letters of recommendation, and a college transcript.
- Students who are designated as Crawford Field Camp Scholars will receive one $750 award that comes from AWG. This program enables NAGT to award additional scholarships.
On behalf of the National Science Foundation (NSF), we invite you to register as a potential 2018 Graduate Research Fellowship Program (GRFP) panelist. GRFP recognizes and supports outstanding graduate students pursuing research-based masters and doctoral degrees in science or engineering at accredited US institutions. (See the Program Solicitation, NSF 16-588, for more details on GRFP.) NSF seeks GRFP panels composed of researchers and educators from a wide range of institutions, geographic locations, and disciplinary and interdisciplinary backgrounds.

Serving as a GRFP panelist is an excellent opportunity to apply your research and career expertise to help identify future science and engineering leaders, and to gain valuable perspective to share with faculty and students at your institution. Panelists will also receive a flat rate payment of $200 per day for each full four-hour virtual panel session they attend. However, panelists who are Federal employees, citizens of foreign countries who are not permanent residents, and special visa holders are not entitled to the flat rate payment.

Below are details of the 2018 panels:

- All reviews and panels will be conducted online without travel requirements. There will be no on-site participation for the GRFP panels; the panels are completely virtual.
- In November, panelists must attend an orientation session webinar, selecting one from several available sessions. This is required for both new and returning panelists, as orienting information is subject to change.
- Panelists review graduate school-like applications that include one three-page statement, one two-page statement, transcripts, and three reference letters.
- Each panelist will review approximately 30 assigned applications in early December, over the course of about four weeks.
- Panelists will enter their reviews and ratings online.
- In January 2018, panels will convene online using WebEx for two virtual panel sessions scheduled on two different days (either Monday and Thursday, or Tuesday and Friday) to discuss the applicant pool and make selection recommendations to NSF.

If you would like to be considered as a 2018 GRFP panelist, please visit https://nsfgrfp.org/panelists to register in the panelist system. If you have not been a GRFP panelist, you may create a new profile by clicking “Create an account.” If you have been a GRFP panelist, please log in with your email address and password, and update your profile. Registering in the panelist system or creating a profile does not commit you to serving as a GRFP panelist. Based on anticipated needs, NSF will send formal invitations to registered panelists starting in late September.

See https://www.nsfgrfp.org/panelist_info for additional panelist information.

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NOTE: If you have a student applying for the 2018 GRFP program or you intend to write a letter of recommendation for an applicant in a particular field of study, we request that you do not register to be a panelist in that field due to a conflict of interest. Since GRFP applicants are early in their scientific training and are still developing their interests, most panelists are qualified to review in a range of fields. If you register in a particular field and subsequently learn of a conflict of interest, please inform us so we can remove your name from the list of potential panelists or attempt to place you on a different panel.

Please share this opportunity to review GRFP applications with your colleagues.

We thank you in advance for your interest. If you have any questions, please contact the GRFP Operations Center at panelists@nsfgrfp.org or (866) 673-4737.

Sincerely,
Susan Brennan, Ty Mitchell, and Gisele Muller-Parker
Program Directors
National Science Foundation Graduate Research Fellowship Program

AGU Booth

Greetings AWG!
Are you attending AGU in New Orleans this year? If so, please come check out the AWG booth and consider volunteering some time to help us out!
At the booth (#1323), in addition to having a great time, we will be renewing existing memberships, completing applications for new members, handing out SWAG, presenting brochures full of wonderful information about scholarships, events, programs associated with AWG, completing resume reviews, taking donations for AWGF and spreading the news about the organization.

We will need volunteers at the booth to help share the advantages of the AWG organization: our mission, activities, accomplishments, and the advantages of Connecting Women geoscientists. If you are interested in volunteering, please sign up at www.volunteersignup.org/YALQF. Questions can be directed to Blair Schneider at blair.benson@gmail.com.

Lastly, don’t forget to join us at the Networking Reception for Early Career Female Scientists and Students, co-hosted by AWG and the Earth Science Women’s Network. Network with successful women scientists, share stories, and learn best practices for addressing professional challenges. This event is especially designed for the benefit of student and early career female scientists. Come, relax, meet your colleagues, and enjoy light refreshments. It will be held on:

Tuesday, December 12th from 6:15 P.M. to 8:00 P.M.
Hilton Riverside, First Floor, Grand Ballroom – Suite CD
We hope to see you there!
The Association for Women Geoscientists has long sought and worked toward greater access for women to the geosciences. In the current social climate, the board of delegates decided to draft and adopt a Code of Conduct. As a professional organization, our goals are to encourage participation of women in the geosciences, enhance professional growth and advance of women in the geosciences, and exchange educational, technical, and professional information. To do this effectively, the professional spaces in which we work must not tolerate harassment or discrimination, in any form. The Code of Conduct, which can be accessed on the AWG website (under the “About” tab), includes definitions of and ramifications for harassment and discrimination within the organization. The policies and procedures outline the reporting process, should a violation of the Code of Conduct occur, as well as the investigative and disciplinary procedures. As an executive committee, we hope to foster equality for all members.

Northwestern University has created a $200,000 Nemmers Prize in Earth Sciences, for outstanding achievement in the field of Earth Sciences. The inaugural prize will be awarded in 2018 and every other year thereafter. Northwestern invites nominations to the Nemmers Prize in Earth Sciences. Submission information may be found on our website, www.earth.northwestern.edu. The deadline for nominating is December 1, 2017.

This prestigious prize is the fifth Nemmers Prize established by Northwestern. Additional information about our awards may be found at www.nemmers.northwestern.edu.

The Nemmers Prize in Earth Sciences is made possible by a generous gift to Northwestern University by the late Erwin Esser Nemmers and the late Frederic Esser Nemmers.
Affiliate Professor of Geology, Grand Valley State University

The Geology Department at Grand Valley State University (Allendale, Michigan) invites applications for an affiliate faculty position to begin in the Fall 2018. For more information about the responsibilities of the position, please visit http://jobs.gvsu.edu/cw/en-us/listing/. At least an M.S. in Geosciences with teaching experience is required.

Apply online at jobs.gvsu.edu. Attach a letter of application, vitae, statement of teaching philosophy and the names and contact information of at least three references familiar with your teaching. Review of applications to begin December 18, 2017 and continue until the position is filled. Contact Figen Mekik (mekikf@gvsu.edu) with any questions.

The Geology department website may be found at www.gvsu.edu/geology. Grand Valley is an affirmative action, equal opportunity institution.

Tenure-Track Faculty Position in Climate Change and Earth System Modeling – Vanderbilt University

Vanderbilt University (Nashville, Tennessee) and the Department of Earth and Environmental Sciences has a strong institutional commitment to recruiting and retaining an academically and culturally diverse community of faculty. Minorities, women, individuals with disabilities, and members of other underrepresented groups, in particular, are encouraged to apply. Vanderbilt is an Equal Opportunity/ Affirmative Action employer.

This faculty position presents an opportunity to join a productive and collegial department at a highly-ranked R1-research university. We seek an individual aimed at the highest standards of scholarship in research and teaching at both the undergraduate and graduate (MS, PhD) levels, and who would be drawn to interact with a diverse, interdisciplinary faculty and student body in the Earth and Environmental Sciences and related fields. The position is effective for the Fall 2018 semester at the Assistant Professor level. The successful candidate will have completed the PhD by August 16, 2018.

The desired concentration of study centers on climate change and/or internal modes of climate variability that operate at inter-annual to millennial time scales and at synoptic to planetary spatial scales. Study areas could also involve related biogeochemical cycles and/or the water cycle. A strong foundation in climate modeling or earth system modeling is preferred, as well as interest or experience with both modern and ancient systems.

Applications should include a vita, a statement of research and teaching interests specific to our program, and names of at least three references (including mail and e-mail addresses and phone numbers). Select applicants will later be asked to provide student evaluations of teaching, if available. Applications should be submitted online via Interfolio at http://apply.interfolio.com/44162. Contact FacultySearchVU_EES@vanderbilt.edu for more information. The review of files will begin in middle December, 2017 with a final closing date of January 7, 2018.
Rock solid success
A Penn alumna jumpstarts her career in environmental geology

“I went on a field trip in an undergraduate course where I did core sampling of sediment. I was covered head to toe in mud and dirt, and I was exhilarated. That was when I realized that geology was the path I wanted to take,” shares Taunee Werts (Master of Science in Applied Geosciences ’17), an environmental geologist for ENGEIO. Her organization is a leading environmental consulting firm in Northern California that mitigates redevelopment and property concerns.

Taunee is part of a team that diagnoses and remediates contamination sites. She recently completed a project on trapped gas vapors. She explains, “We had to make sure no one could come into contact with pollutants in the soil or inhale evaporated chemicals from the groundwater. All of the due diligence I learned at Penn came into play.”

To prepare for a hands-on career in geology, Taunee chose the University of Pennsylvania’s Master of Science in Applied Geosciences (MSAG) program because of its professional focus. She notes, “The MSAG professors tailor the classes around what you encounter in the field, and that helped me hit the ground running after graduation.”

Discover more about field and research experiences:
WWW.UPENN.EDU/MSAG
AWG Membership

**ENCOURAGE** participation of women in the geosciences
- Scholarships
- Girl Scout Activities
- Congressional Visit Days
- Student Awards for Geoscience Excellence (SAGE).
- Outstanding Educator Award
- Geoscientists in the Park,
- Women in the Geosciences Day

**ENHANCE** professional growth and advancement of women in the geosciences
- Free Resume Review Service
- Domestic & International Networking
- Exciting and Informative Field Trips
- Mentoring

**EXCHANGE** educational, technical, and professional Information
- GAEA and E-mail Newsletters
- Distinguished Lecturer Program
- Conventions
- Technical Programs
- JobWeb
- Networking with Affiliated Societies

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Signature:_____________________________________

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**Dues (new reduced membership costs):**
- Life Member: ...........................................................$1500
- Sustaining Professional: .........................................$60
- Professional: ..........................................................$30
- Retired: ....................................................................$15
- Student (valid student ID required).......................... $15
- International Rates............................................$30 P $15 S
- International Reduced...........................................$10 P $5 S
- Institutional:............................................................$200
- Corporate................................................................$500

**INTERNATIONAL RATES:**
- $30 P $15 S
- $10 P $5 S

**INSTITUTIONAL RATES:**
- $200

**CORPORATE MEMBERSHIP:**
- $500

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Tax Disclosure Statement—Contributions or gifts to AWG are not tax deductible for federal income tax purposes. Dues payments are deductible as an ordinary and necessary business expense. Contributions to AWGF (501c3) are tax deductible.

THANK YOU FOR YOUR PATRONAGE!