This edition of E-News was edited by Emily Kam.
About E-News

AWG E-News is a monthly publication distributed the last week of each month.

How do I get my update included in the E-News?
Updates for E-News must be submitted to Enews@Awg.org by the 3rd Friday of the month.

How do I advertise in the E-News?
For information on advertising with AWG, please visit AWG.org/Advertise or email Ads@AWG.org.

How do I unsubscribe from the E-News?
Please email Office@AWG.org.

About AWG

The Association for Women Geoscientists (AWG) is devoted to enhancing the quality and level of participation of women in geosciences and introducing girls and young women to geoscience careers.

Our diverse interests and expertise cover the entire spectrum of geoscience disciplines and career paths, providing unexcelled networking and mentoring opportunities. AWG members are brought together by a common love of earth science and the desire to ensure rewarding opportunities for women in the geosciences.

Visit AWG.org to join!
COVID-19 Articles and Resources

This month we are including some resources about COVID-19.

- [https://www.buzzfeed.com/peggy/quarantine-grocery-food-chart](https://www.buzzfeed.com/peggy/quarantine-grocery-food-chart) “21 Extremely Helpful Food Charts That Will Come In Handy During Quarantine:
- [https://www.npr.org/2020/03/15/815549926/8-tips-to-make-working-from-home-work-for-you](https://www.npr.org/2020/03/15/815549926/8-tips-to-make-working-from-home-work-for-you) “8 Tips To Make Working From Home Work For You”

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**Dear AWG members,**

I am sure all of you are aware of the COVID-19 pandemic crisis that has affected all of our lives. This event is unprecedented and things are changing rapidly. I sincerely hope that everyone and their loved ones are safe during this time. My sympathy goes out to those who cannot work from home or have been laid off. Although we are all affected by COVID-19, the negative consequences have not all been felt equally. I feel very fortunate that myself and those in my close circle are safe and for now are employed.

There are many things that may be causing stress in your life right now: media coverage, social isolation, working from home, the disease itself, etc. First, I believe it is first important to be kind to yourself and understand that it is OK to feel stress due to events happening right now. Second, there are resources out there that can help in coping (some are listed above). Finally, and I think I can speak for all AWG members, when I say that this is a community in every sense of the word. We are here for one another, and especially now, we should reach out for help from other members if needed. To get through this, there must be a fight for the collective good and the creation of a widespread support network.

Please reach out to me at any time and my best wishes to everyone,

Emily
DON’T FORGET TO RENEW YOUR 2020 AWG MEMBERSHIP!

Click HERE to login and renew!

If you have any questions, need assistance or wish to renew by phone call the AWG office at 303-412-6219 or email to office@awg.org.

Be Featured in E-News!

Photo Share
Do you have an awesome picture from field work or a recent trip? We want to feature your photos on the cover of the next E-News!
Please send your submissions to enews@awg.org
Include your name and where the photo was taken.

Advice of the Month
Do you have some advice you’d like to share with our readers? It could be about anything: career paths, being a woman in science, travel, life, etc.
Please submit a short (~50 word) blurb to enews@awg.org
(You submissions can be anonymous)
Thank you for being a part of the AWG community!

The AWG Pacific NW Chapter's field trip to Mt. St. Helens in mid-May is CANCELLED

Due to the coronavirus outbreak, we regret that we've had to cancel this event. We are looking at options to reschedule either later this summer or next year.

Thank you for your understanding!
Professional Excellence Awards

The AWG Professional Excellence awards will go to women who, throughout their careers, have made distinguished contributions in each of the three following professional areas:

Government/regulatory,
Private industry/consulting and
Academia/research.

Nominations will be solicited from the AWG membership at large. Professional excellence is broadly defined, and may include accomplishments such as:

- Breadth and depth of professional accomplishments
- Mentoring of other geoscience professionals
- Outreach and service activities
- Membership in professional societies

Nominees need not be members of AWG and those without memberships will receive a one-year professional membership with their award. Recognition will be made at the GSA Annual Meeting and other appropriate annual meetings, in GAEA and online e-news. Nominations can be submitted using the following link, which can also be found on the AWG website at www.awg.org/awards. If you do not have a google account, please submit your nomination as one complete pdf package to pro-excellence@awg.org

A one to two page letter summarizing the nominee’s most important accomplishments in professional areas that demonstrates multidisciplinary geological accomplishments within their realm of expertise;

The nominee’s CV
Two letters of support, which can be from non-members of AWG, with a maximum of five letters.

Specify which of the three awards for which you are applying

Nomination deadline: June 15th each year

The AWG Professional Excellence Awards are graciously supported by a donation from Other Orb. You can learn more about Other Orb by clicking on the logo!
AWG & Paleontological Society Undergraduate Excellence in Paleontology Award

The Association for Women Geoscientists and the Paleontological Society are pleased to announce the AWG Undergraduate Paleontology Award. The award, which consists of a $1000 cash prize and membership in the Paleontological Society and AWG for the tenure of the awardee’s schooling, will be presented to an outstanding female undergraduate student pursuing a career in paleontology.

All application materials must be received by April 15. The winner will be notified in May and the award will be distributed in early summer.

QUALIFICATIONS

A. Applicants must be women pursuing education as an undergraduate student in the paleontological – and affiliated – sciences at a degree-granting institution.

B. Applicant must be enrolled as a student during the period of the award.

C. Proof of student status in the form of transcripts (official or unofficial) must be provided.

D. Successful applicants will exhibit exceptional motivation, professional potential, outreach, and long-term commitment to goals.

E. Students may receive the Undergraduate Paleontology Award only once during the tenure of their undergraduate careers.

F. No prior AWG or PS membership is required.

G. National or international students are allowed to apply, with the exception of sanctioned countries.

For more information about application requirements, visit the AWG Awards and Scholarships web page at www.awg.org/awards and click on the AWG Undergraduate Excellence in Paleontology Award.
The Association for Women Geoscientists and the Paleontological Society are pleased to announce the Winifred Goldring Award competition. This year, two PhD and 1 MSc awards will be conferred, each consisting of a $2000 cash prize and membership in the Paleontological Society and AWG for tenure of the awardee’s schooling. The awards will be presented to outstanding female students pursuing a career in paleontology.

The award is named for Winifred Goldring, a pioneering woman paleontologist, who became State Paleontologist of New York State in 1939 and the first female president of the Paleontological Society in 1949. These awards were made possible by the generous donations of David Watkins and MaryAnne Holmes and the Paleontological Society.

All application materials must be received by April 15th. The winner will be notified in May and the award will be distributed in early summer.

QUALIFICATIONS

A. Applicants must be women pursuing education as a graduate student in the paleontological – and affiliated – sciences at a degree-granting institution.

B. Applicant must be enrolled as a student during the period of the award.

C. Proof of student status in the form of transcripts (official or unofficial) must be provided.

D. Successful applicants will exhibit exceptional motivation, professional potential, outreach, and long-term commitment to goals.

E. Students may receive the Winifred Goldring Award only once during the tenure of their graduate school careers.

F. No prior AWG or PS membership is required.

G. National or international students are allowed to apply, with the exception of sanctioned countries.

For more information about application requirements, visit the AWG Awards and Scholarships web page at www.awg.org/awards and click on the AWG Winifred Goldring Award.
Recently, we had the distinct pleasure of having Dr. Margaret (Peg) Yacobucci (Bowling State University, Ohio) visit the University of Nebraska-Lincoln’s Earth and Atmospheric Science Department. Dr. Yacobucci is a paleobiologist who studies extinct cephalopods known as ammonites and is also involved in programs which promote diversity and inclusion in STEM. While at the University of Nebraska, Dr. Yacobucci gave two talks: one regarding her work in inclusion in STEM and one regarding her paleontological work. What sets Dr. Yacobucci apart from other visiting speakers is her approachability and willingness to spread her message in comprehensive ways. Her first talk, regarding diversity and inclusion in STEM, was inspiring. She delivered a brief talk, describing the projects she’s involved with and explaining her different approaches to tackling microaggressions and macroaggressions within departments. With this, she also spoke about what is “privilege” and how we may utilize our privilege to help others. She describes her approach as a “top-down, bottom-up” model, where issues are addressed both with lower members of the academic system and the higher echelons including the deans and provosts. During her talk, she would ask us to consider some questions and we participated in mini discussions. We also did exercises together to practice what we would say or how we would act in certain scenarios. This was done in an attempt to practice bystander intervention. Dr. Yacobucci’s take home message was simple: practice what you would say under certain circumstances so as not to be caught off guard when the need arises for you to intervene. Many people have good intentions, but do not act to stop microaggressions and macroaggressions because they feel frozen in the moment. Many of us have had that moment where we were so astounded with something that had just been done or said, we were lost for words. With practice, Dr. Yacobucci stresses that a person can have the right words “on the tip of their tongue” and can intervene properly.

Dr. Yacobucci’s second talk was, in short terms, a blast. For her talk, she presented her and her students’ work on the extinction and speciation of late-Cretaceous ammonites in the Western Interior Seaway. Many talks within STEM follow a basic formula: a department member introduces the speaker, the speaker gives acknowledgements, the speaker presents their research, and the speaker concludes and takes questions. This is by no means a bad formula, but there can always be room for improvement. Unlike other visiting speakers, Dr. Yacobucci clearly wanted to engage her audience by walking around the room, making eye contact with most everyone, including illustrations in her slides, providing quips along the way, and delivering her talk with an authentic passion that could get anyone invested in her cephalopods. She was first and foremost an approachable human who wanted to get people curious about the possibilities of her research. In this way, she broke the formula. At one point, she even noted that she may be considered flippant by some in the scientific community. One man’s flippant is another man’s passionate delivery. It was clear everyone in the room was engaged and she received many questions. When she did not know the answer, she stated as much instead of trying to muddle her way through. In many ways, Dr. Yacobucci practices what she preaches. She is not afraid to hold back when she disagrees, she is honest and upfront, and she is a brilliant scientist who has the passion behind her work. It was a great pleasure to have her at the University of Nebraska, and we hope to see her again in the future!
NEW Chapter: UNLV

Welcome to UNLV AWG, our newest Student Chapter! The editors are very impressed at the enthusiasm and effort shown by the following description of activities covering just a couple months during these unusual times.

Amanda Ostwald, President, reports that things are a little strange at the moment. We've put a halt on some of our activities (socials, fundraisers), but did manage to have a couple successful months this semester!

The easiest event to brag about is a field trip we hosted on February 21st when a group of over 100 students from a local middle school visited UNLV. Two of our members, Genevieve Kidman and her advisor Dr. Pamela Burnley, spearheaded the event and provided us with lesson plans, materials, and schedules. All of the volunteers were members. We taught map reading and water conservation, the carbon cycle, and fluvial geomorphology with hands-on activities designed to enhance the existing K-12 state curriculum. We also provided campus tours and answered questions about higher education. We received very positive feedback from the teachers who attended, and the students were learning and engaged the entire trip! A few photos of the event show the engagement of the students.

Our activities this academic year have been mostly devoted to start-up, like registering as a student organization and deciding how our organization will be run. I'm happy to report that all of our members have been very active in that process! We're all passionate about making an organization that will serve our community well and benefit women in geoscience for years to come. To that end, our busy members have managed to fundraise about $400 in just a few months!

Upcoming events will of course be postponed or moved online. We plan to draft a field code of conduct we hope will be adopted and implemented by our department. I feel that work can be done online. We also hope to start hosting regular accessible geoscience talks for the public, both as fundraising and outreach; that should begin in the fall semester.

Thank you so much for reaching out to us! It's been a great experience and a real privilege starting a chapter.
Hello friends of the Association for Women Geoscientists—Salt Lake Chapter,

As you have probably realized, the chapter will not be hosting our 31st Annual Silent Auction Scholarship Fundraiser on March 28 due to gathering restrictions in place to restrict the spread of novel corona virus. Although we are still awarding scholarships, we are sad that we cannot honor the awardees in person this spring, but the good news is that we are RESCHEDULING this event for **Saturday, September 19, 2020**. The venue and vendors have been extremely understanding and for that we are thankful. The venue will remain the same: Publik Space 975 S West Temple, Salt Lake City.

Please spread the word to your geo-friends who may have received only a paper invitation.

The spring fundraiser is how we raise money for the following year's scholarships. We would be grateful for any donations now to fund the 2021 scholarships. If you would like to contribute please send a check made to AWG Foundation and mail to:

AWG-SLC
PO Box 58691
Salt Lake City UT 84158

In the memo you may write one of the following:

- SLC Ekdale Field Camp Scholarship
- SLC Research Scholarship
- SLC Outstanding Student Scholarship
- SLC Allison Professional Development Award
- SLC Science Fair Judging
- or simply SLC Scholarships if you would like us to direct your donation where it is most needed.

Thank you!

**UT-Martin**

This chapter has been working to rebuild after a couple of semesters of dormancy as members graduated and the newer classes were uninterested/unaware of the club. Impressive that without officers or continuing experienced members, they initiated the rebuilding process. They started the year by holding meetings in union with one of the other geoscience clubs in order to build interest and recruit members. Their membership includes students, faculty members, and a faculty advisor. Sharon “Shay” Briggs, President, reported that *Our chapter has co-hosted a tie-dye social, had booths at the university wide Organizational Fair and the CAAS BBQ social. We are also assisting the GeoClub with preparation for the Annual GeoConclave later this fall. We hope to plan a service project for the spring semester.*

The editors look forward to hearing how these turned out.
Southern Arizona

We have had a great first year (2018-19) and there was a lot of enthusiasm for our chapter at the University of Arizona. We had outreach events with the Girl Scouts of Southern Arizona and did a “Reel” Science Movie night event with them where we watched Moana and did multiple stations about volcanoes, corals, salinity, and sustainability. Last Spring, we had an event with the Saddlebrooke retirement community where we had a breakfast with the women from a PEO chapter (Philanthropic Education Organization, an organization dedicated to helping women in science reach their goals through scholarships, awards, and different projects) and then did lab tours and “lightening talks” with them about our research.

We hosted write nights once a month where we reserve a room for people to have a space to get any writing, homework, or studying done. We hosted a graduate student panel for undergrads to learn about applying for grad school. We had a SmartStart Workshop which was a negotiation workshop that is run by the American Association of University Women (AAUW) in an effort to decrease the wage gap by giving women the tools to negotiate their salaries. Whenever there is a female colloquium speaker, we have breakfast with them to talk about their career paths and experiences as women in geoscience. At our annual in-house conference GEODAZE, we hosted a breakfast for alumni to come and Jane Willenbring, the keynote speaker, shared with us her growing up in science story. We are starting a grad/undergrad mentorship program this year.

We have also gone on hikes and had potluck events, and have a women’s happy hour once a month. Plans are in the works for wine tasting trips and hiking/getting together with the new ASU chapter.
Chapter News

Sierra Chapter

A relatively small chapter currently, Sierra typically has one or two events per year, and communicates with its membership through newsletters and email blasts. In 2019, they hosted their annual winter brunch and hike, on this occasion, an approximately 2-mile hike at Folsom Lake. Fourteen women attended. In May 2019, the Chapter provided four speakers for a career Meet-and-Greet event hosted by the UC Davis chapter. The four speakers represented experiences in diverse geoscience careers as mining, geophysics, hydrogeology, environmental engineering, and engineering geology. The long-serving president would love to recruit some new life and inspiration and notes that events always have attendees happy to "walk and talk.” Please reach out to Nadine at geosyllables@gmail.com with ideas and the offer of a little time to share in activity planning.

Los Angeles/Orange County:

This chapter had a great slate of outreach activities over the past year but shares some of the frustrations indicated by other chapters, namely identifying new active and motivated officers and volunteers. Their outreach events included, at Clemson Elementary School, a Fossil/Career Day where they shared fossils with two 2nd grade classrooms with a "Make Your Own Trace Fossil" activity for the students; a California Gold Rush Lesson and Panning for gold for 60 - 1st and 2nd grade students; and judging of their K-5 science fair projects. For Patrick Henry Elementary School, they helped out with the Science & Engineering Fair, and did programs on Panning for Gold, Fossils and Minerals, and provided a Fossil and Rock Display. They also helped out with a Girls Scouts of America STEM Fair.

Florida:

A survey last summer to their membership elicited that most members are interested and available for social events on week nights and for field trips on the weekend. With this interest, they are hoping that members will step forward to volunteer to be an officer or event planner. Please contact president Christine Downs at mailto:awgflorida@gmail.com if you have a some time to help out.
This chapter is attempting to boost membership and bridge the gap between geology and geographic science. In the past there has been difficulty getting geographic science members to join. To solve this, they asked the academic advisor of geographic science to send out an email invitation for the organizational meeting. Chapter president Kerry Ramos also spoke in some of the introductory geographic science classes.

Last spring, the chapter hosted a panel of JMU graduates to help educate those pursuing careers in geosciences. Panelists discussed career paths, graduate school applications and experiences, and advice for undergraduate opportunities that will provide necessary skills and knowledge for this field. Additionally, the chapter participates in educational outreach programs. In March 2019, the chapter hosted an educational workshop for the Expanding Your Horizons program in which middle and high school girls come to JMU for encouragement and education in the STEM fields. In January 2019, they also hosted Science Sunday for Girls at JMU’s planetarium where the girls learned about plate tectonics theory.

Women of JMU’s AWG chapter helping at an outreach event for the “In Search of Earth’s Secrets” exhibition September 2019. The event was hosted at the Massanutten Regional Library, and members of AWG helped educate the public, as well as set-up and take-down the exhibit. Pictured (left to right): co-advisors Dr. Kristen St.John and Dr. Liz Johnson, Dr. Shelley Whitmeyer, Lindsey Monito, Paige White, Alesha Melendez, and Kayla Reibsome.

JMU AWG’s Graduate Panel event in Spring 2019. Each panelist gave their perspective on life after receiving a bachelor’s degree—from consulting work, to graduate school in education, to applying for graduate school in the sciences. Panelists were (left to right): Liz McTaggart, Kristen Steele, Marissa Dudek, and Morgan Treon.
2020 NASA Planetary Science Summer School Applications
Due Date April 13

Now through April 13, 2020, NASA is encouraging applications for its 32nd Annual Planetary Science Summer School. Offered by the Jet Propulsion Laboratory in Pasadena, California, PSSS is a 3-month long early career development experience to help prepare the next generation of planetary science and engineering mission leaders. Participants learn the process of developing a hypothesis-driven robotic space mission in a concurrent engineering environment while getting an in-depth, first-hand look at mission design, life cycle, costs, schedule and the trade-offs inherent in each.

Science and engineering doctoral candidates, recent Ph.D.s, postdocs, junior faculty, and certain master’s degree students, who are U.S. Citizens or legal permanent residents (and a very limited number of Foreign Nationals from non-designated counties), are eligible. Applicants from diverse backgrounds are particularly encouraged to apply. Partial financial support is available for a limited number of individuals.

Session 1: Preparatory Sessions May 18-July 17. Culminating Week at JPL July 20-24
Session 2: Preparatory Sessions May 18-July 31. Culminating Week at JPL August 3-7

Roughly equivalent in workload to a rigorous 3-hour graduate-level course, participants spend the first 10 weeks in preparatory webinars acting as a science mission team, prior to spending the final culminating week at JPL being mentored by JPL’s Advance Project Design Team, or “Team X” to refine their planetary science mission concept design, then present it to a mock expert review board.

The deadline is April 13, 2020. To apply and learn more about the NASA Science Mission Design Schools:
http://go.nasa.gov/missiondesignschools
USGS Seeks Earthquake Hazards Research Proposals

**Applications due May 20, 2020**

March 11, 2020

Contact:

Jill Franks, Associate Coordinator for External Research, Earthquake Hazards Program, jfranks@usgs.gov;

Drew LaPointe, Communications Specialist for Natural Hazards, drewlapointe@usgs.gov

The U.S. Geological Survey (USGS) is currently soliciting project proposals for Fiscal Year (FY) 2021 grants on earthquake hazards science and is authorized to award up to $7 million. Interested researchers can apply online at GRANTS.GOV under funding Opportunity Number G20AS00042. Applications are due May 20, 2020.

The grants offered through the USGS Earthquake Hazards Program (EHP) are a long-standing effort that significantly contributes to the advancement of earthquake research. The Earthquake Hazards Program encourages submission of new ideas that would provide more accurate and timely earthquake information, better characterize earthquake sources, and reduce uncertainty in earthquake-hazard and risk assessments. USGS also seeks proposals that will help to mitigate earthquake losses and better inform the public about earthquakes and earthquake safety, such as earthquake early warning or other scientific efforts that will lead to reduced risk. The complete list of FY2021 EHP science research priorities is included in the grants solicitation found on GRANTS.GOV.

Every year, the USGS invites innovative earthquake research proposals from colleges and universities, state and local offices, non-profit organizations, private institutions, unaffiliated scientists, engineers, and foreign organizations. Past funded grants projects include:

- Using a machine learning approach to investigate ground motion alerts for earthquake early warning;
- Evaluating outer-rise earthquake hazards from the Puerto Rico trench;
- Improving deformation and fault compatibility using earthquake simulators and next generation hazard models;
- Determining temporal characteristics of aftershock sequences in the Intermountain West;
- Determining earthquake hazard implications and deformation rate recorded by marine terraces above the Cascadia Subduction Zone; and
- Investigating the distribution of fault creep on San Francisco Bay area faults.

A complete list of previously funded projects and reports can be found on the USGS EHP external research support website.
AWG Northern California San Andreas Fault Geology Field Trip September 10–17, 2020

Join us in a week-long field study of the remarkable geology along the North Coast of California from San Francisco to Mendocino. We will meet at Union Square in San Francisco on September 10th at 1:00 pm and end with a drop off at the San Francisco International Airport around 2:00 pm on September 17th. We will stay four nights at the Marin Headlands Hostel Annex and three nights at the Mendocino College Coastal Field Station in Point Arena. Transportation is by coach and driver.

The San Francisco Bay Area, wave cut platforms, rocky headlands and sea stacks, uplifted terraces, crashing waves, and wide sandy beaches are your outdoor classroom as you discover how the collision of ocean and land has shaped the region. There are numerous field stops and short hikes in the San Francisco Bay Area, Point Reyes, and the Sonoma and Mendocino Coast. Topics for discussion include the San Andreas Fault, coastal processes, Franciscan and Gualala Block rocks, folds and faults, plate tectonics, and California geologic history.

The trip cost is $1,900 per person ($1,840 for Williams GeoAdventures services and a $60 AWG trip registration fee). Trip participants must be current AWG members and are required to register first with AWG and pay the AWG registration fee. The trip cost includes the geology field trip and guiding services and geologic field guide, transport by coach and driver, accommodations for seven nights at the Marin Headlands Hostel and the Mendocino College Coastal Field Station, and the welcoming dinner in Sausalito. Not included in the trip cost is transportation to and from San Francisco and your home, all of the other meals, travel insurance (HIGHLY RECOMMENDED), and coach driver tip. Meals will be prepared by the group at our lodgings. Discounts are available for attendees who are willing to help coordinate the food, with student participants getting preference.

After you’ve registered with AWG, trip registration with Williams GeoAdventures will open on Monday, January 6, 2020 at 9am Pacific Time by contacting me by phone (707) 953-6979 and submitting a $500 deposit within 10 days, payable to Williams GeoAdventures, 101 Ross Street, #4, Cotati, CA 94931. The balance payment of $1,340 per person is due to Williams GeoAdventures by July 15, 2020.

Trip availability is on a first come, first served basis. The minimum number of trip participants is 16 and the maximum number is 22. Williams GeoAdventures will provide an online application and liability waiver for the trip participants to fill out in July 2020. Trip fees are non-refundable unless you and I are able to fill your space.

We are excited about sharing the beauty of the Northern California San Andreas with you. Please contact me via email or phone with any questions about this trip. I am looking forward to seeing you all on the California North Coast in September 2020!

Tom Williams, Williams GeoAdventures

Email geoteachtw@earthlink.net
Telephone (707) 953-6979

www.geology-adventures.com