This edition of E-News was edited by Jessica Bean.
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!

Donate to AWG’s Chrysalis Endowment

The Chrysalis Endowment provides scholarships to women geoscientists who’ve had an interruption in their graduate studies. These women are goal-oriented problem solvers, and the Chrysalis Scholarship helps them finish their degrees and bring their skills to the workplace.

Click here to donate to the AWG Chrysalis Endowment.

Your donation is greatly appreciated!

AWG Chapters

US Chapters
- Baylor University
- Black Hills (SD Mines)
- CSU, Northridge
- DMV
- Florida
- Great Lakes
- James Madison
- Laramide
- Loma Linda
- Lone Star (Texas)
- Los Angeles/Orange County
- Minnesota
- Montana
- Nebraska Cornhuskers
- New England
- North Dakota
- Oklahoma City
- Osage
- OSU Cowgirls
- Ozark HAWGs
- Pacific Northwest
- Penn State
- Ragin’ Cajun
- Red Rock (Southern Utah University)
- Salt Lake City
- San Diego State University
- San Francisco Bay Area
- Sierra
- Southeastern Bluegrass
- Sun City (El Paso)
- University of Tennessee Martin
- Vanderbilt
- William and Mary

International Chapters
- Calgary
- Dalhousie University
- Ireland
- Mongolia
- Patagonia
- South East Asia
Recommended Reads
Suggested books, blogs, podcasts, and more from the AWG editorial team.

• How a poor Victorian woman became a legendary fossil hunter. Mary Anning was renowned as a 'geological lioness', with her discoveries including the first complete plesiosaur fossil. Now, centuries later, her town of Lyme Regis is putting up a long overdue statue of her.

• The Woman Putting Australia Into Space. Last year, [Amanda] Clark led an expert review board to determine Australia’s space capabilities... Never before had Ms. Clark seen stakeholders so united in a cause: The vast majority of players had been long clamoring for a space agency to act as a single Australian gateway to attract investment, support and guidance. The Australian Space Agency officially got its start a few months later in July — with Ms. Clark named as its first chief executive. She now oversees a plan to triple the value of the Australian space industry to between $7 billion and $9 billion a year by 2030.

• Meet the woman who discovered a whole new type of galaxy. As a child growing up in Turkey, astrophysicist Burçin Mutlu-Pakdil used to enjoy looking up at the stars in the night sky. Little did she know that thanks to her scientific skills, a galaxy sitting 359 million light-years from Earth would one day bear her name.

• First-Ever All-Female Antarctic Expedition Busts Women's Endurance Myth. Women who trekked across Antarctica in the first-ever all-female expedition broke more than gender norms — they also busted the gender myth that, when it comes to extreme endurance exercise, women are weaker than men.

• Scientists share MIT ‘disobedience’ award for #MeToo advocacy. The Media Lab at the Massachusetts Institute of Technology (MIT) in Cambridge today honored two women who have played leading roles in advancing the #MeToo movement within science by awarding them, along with one other #MeToo advocate, its edgy, $250,000 “Disobedience Award.”

• The key to fixing the gender gap in math and science: Boost women's confidence. The gender gap in math and science isn’t going away. Women remain less likely to enroll in math-heavy fields of study and pursue math-heavy careers. This pattern persists despite major studies finding no meaningful differences in mathematics performance among girls and boys. Among U.S. students who score the same on math achievement tests, girls are less confident in their math ability than boys are. That confidence predicts who goes on to major in math-heavy fields like engineering and computer science.

• Backed By Arielle Zuckerberg, Juni Learning's 20-Something Female Founders Are Teaching Kids To Code. Ruby Lee, 26, and Vivian Shen, 25, believe that their one-year-old startup, Juni Learning, can succeed in the crowded field of online coding instruction for kids. Last week Juni announced a roster of angel investors who contributed to a $790,000 funding round. They include Mark Zuckerberg’s youngest sister, Arielle, a partner at venture firm Kleiner Perkins, where Lee used to work. Lee and Shen, who met as classmates at Stanford, are modeling Juni on VIPKid, the China-based startup recently valued at $3 billion. VIPKid pays an army of 60,000 American teachers to moonlight as online English instructors for students in China.

You can send suggestions for “Recommended Reads” to Enews@AWG.org.
Volunteer Opportunities

AWG Booth 716 at AGU 2018 in Washington D.C., December 10-14!

At the booth, 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. Lauren Zeeck and Blair Schneider will be present at the booth for the majority of the conference, but really can use some assistance. If you are interested in volunteering, please sign up at www.volunteersignup.org/99W4Y. Please send questions to laurenzseeck@gmail.com.

Geoscience Currents

• Geoscience Currents #133 examines the trends of U.S. geoscience enrollment and degrees granted by gender through 2017. Overall, female participation rates for enrollment and degrees granted at all levels remained within the range of the last decade. However, there was notable variability in 2017, with declines in participation rates for undergraduate enrollments and for graduate degrees granted. Visit the Geoscience Currents webpage to find out more about the dynamics in geoscience demographics.

• AGI will host a panel discussion at the AGU Fall Meeting during Session ED31B: Graduate Student Experiences, Preparation, and Pathways into the Workforce on Wednesday morning (Dec. 12). The panel of geoscientists will discuss lessons learned as they took control of their career development after graduation.

Member Highlights

The AWG Editorial Team would like to recognize the many accomplishments of our members by highlighting a different member each month in the Enews. To support our efforts, we are asking AWG members to complete a short questionnaire.

Please complete the members highlights questionnaire (Google form), and send photos (and captions!) to enews@awg.org. We will be collecting questionnaires year round, so if you don’t have time now don’t worry—we’ll remind you again!

If you have questions, or a recommendation for a member to highlight, email enews@awg.org.
Job Opportunity
Ph.D. Fellowships in High Latitude Hydrology
University of Florida Water Institute
Graduate Fellows Program Department of Geosciences

Program Details: As many as six prestigious UF Graduate Fellowship Awards are available for interdisciplinary collaborative studies in Greenland. Specific topics for dissertation research are open but will have a general focus on consequences of changing hydrology, ecology, and geochemistry with ice retreat. Initial studies will be linked to on-going work around the towns of Kangerlussuaq, Sisimiut, Nuuk, and Narsarsuaq, but efforts may expand to other regions, depending on student and faculty research interests. Fellows will form a cohort to develop and enable interdisciplinary investigations and shared field experiences with their advisors and other faculty participating in the program. The cohort will benefit from integrative activities to enhance Interdisciplinary skills, a key component of which is developing expertise in environmental civics (i.e. leadership, public outreach, communications, and civic engagement).

Fellowship Details: Each Fellowship provides four years of competitive 12-month stipend, plus tuition waiver and health care.

Potential dissertation topical areas: Multiple units at the University of Florida are involved in the program, providing opportunities for linking disciplinary work focused in hydrology, hydrogeology, geochemistry, high-latitude community and ecosystem ecology, with a focus on bacteria, algae, and bryophytes, and coastal hydrodynamics. The research could occur on glaciers, in pro-glacial landscapes, and in fjord and coastal systems.

Information: Additional information on the 2019 WIGF program can be found at: http://waterinstitute.ufl.edu/WIGF/2019Cohort/Overview_2019.html. Online applications are due January 16, 2019 (12:00 PM EST). Questions can be addressed to Jon Martin (jbmartin@ufl.edu) and Paloma Carton de Grammont (palomacgl@ufl.edu).
The Department of Geosciences at Princeton University is seeking applications for a tenure-track assistant professor faculty position in geology, broadly defined. We are particularly interested in interdisciplinary scientists who could interact productively with existing faculty working in geophysics and/or climate. Possible fields of specialty include, but are not limited to, petrology, volcanology, tectonics, glaciology, rock deformation, earth surface processes, and paleontology.

Applicants should send a curriculum vitae, including a publication list, a statement of research and teaching interests, and contact information for three references to https://www.princeton.edu/acadPOSITION/position/9581. Evaluation of applications will begin as they arrive; for fullest consideration, apply by December 21, 2018, but applications will be accepted until the position is filled.

Princeton is especially interested in candidates who can contribute to the diversity and excellence of our academic community. For general information about applying to Princeton and how to self-identify, please link to http://web.princeton.edu/sites/dof/ApplicantsInfo.htm.

Princeton University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

This position is subject to the University's background check policy.

Information about the research activities of the Department of Geosciences may be viewed at http://geoweb.princeton.edu.
Dartmouth College invites applications for the Guarini Dean’s Postdoctoral Fellowship in Earth Sciences. This fellowship supports a scholar who provides synergy with existing research activities within the department and elsewhere at Dartmouth, including the department’s core research areas: earth and planetary evolution, surface processes, and ice and climate systems. In addition, the fellowship promotes student and faculty diversity at Dartmouth, and throughout higher education, by supporting underrepresented minority scholars and others with a demonstrated ability to advance educational diversity. Applicants will be selected on the basis of their academic achievement, promise in both research and teaching, and their demonstrated commitment to addressing racial underrepresentation in higher education.

This is a two-year residential fellowship, with one course taught in the second year. Fellows are expected to pursue research activities while participating fully in the intellectual life of the department and the college. The stipend in each year is approximately $55,200 plus benefits and an allocation for research expenses (exact funding levels will be set at the time of offer).

Guarini Dean’s Postdoctoral Fellows are part of the Provost’s Fellowship Program, a multidisciplinary cohort of approximately ten predoctoral and postdoctoral scholars who share a commitment to increasing diversity in their disciplines. Fellows participate together in mentoring and professional development programming, including guidance in preparing for faculty careers.

To learn more about Dartmouth College and the Department of Earth Sciences, visit http://www.dartmouth.edu/~earthsci

To submit an application, upload a cover letter, curriculum vitae, statements of teaching and research interests and objectives, reprints or preprints of up to three of your most significant publications, and the name, address (including street address), e-mail address and fax/phone numbers of at least three references to: apply.interfolio.com/55551

Review of applications will begin December 20, 2018 and continue until the position is filled.

Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all underrepresented groups are encouraged.
**Job Opportunity**

**Director of The University of Texas at Austin Institute for Geophysics**  
**University of Texas at Austin (UTIG)**

The Institute for Geophysics at the University of Texas at Austin (UTIG), one of the three principal units in the Jackson School of Geosciences, seeks applications for the position of Director, which may include a concurrent faculty appointment in the Department of Geological Sciences (qualifications for faculty position must be commensurate with rank). UTIG is a world leader in expeditionary-scale geophysical research, numerical modeling and computational-enabled discovery, conducting research in four broad themes: climate; energy; marine geosciences, seismology and tectonophysics; and polar and planetary geophysics. It has a staff of about 75 research scientists and support staff. Both graduate and undergraduate students play important roles in the UTIG research mission. The science vision of the Institute is described in more detail at [http://ig.utexas.edu/utig-science-vision-plan/](http://ig.utexas.edu/utig-science-vision-plan/).

An accomplished leader is sought to provide strategic vision and outstanding operational management, to foster high-quality research programs, and to guide the UTIG community to the next level of accomplishment and impact. The UTIG Director will maintain and strengthen the culture of collaboration and innovation in the Jackson School of Geosciences, expand the reputation of the institute, promote diversity within the institute and demonstrate commitment to a high-quality student experience.

The ideal candidate will possess a Ph.D. in a relevant scientific field (e.g., geology, geophysics, oceanography, planetary sciences, etc.), and will have experience in the administration of complex organizations and research programs, a demonstrated record of high-quality research and publications, and excellence in people management and communication skills. Involvement in international and/or large federal programs, and leadership in academic and professional activities is desired.

An applicant should submit a letter of interest, a vision statement (including your perspectives on how to advance both scholarly excellence and diversity in the workplace at UTIG), CV, and list of four references (with titles and email addresses) electronically to [https://apply.interfolio.com/56029](https://apply.interfolio.com/56029). Additionally a resume must be submitted at the UT Austin Jobs website: [https://utdirect.utexas.edu/apps/hr/jobs/nlogon/180920010382](https://utdirect.utexas.edu/apps/hr/jobs/nlogon/180920010382). Questions should be directed to Dr. Gail Christeson or Dr. Sean Gulick, co-chairs, UTIG Director Search Committee at gail@ig.utexas.edu and sean@ig.utexas.edu. References will only be contacted with permission of the candidates.

Review of applications will commence on Jan. 15, 2019; however, applications will be accepted until the position is filled. The desired target date for the new director to assume duties is Sept. 1, 2019.
Assistant Professor of Volcanology. We invite applicants focused on volcanic processes, including those with expertise in: physical volcanology (especially in combining field observations of eruptive processes and products with modeling and/or experimental approaches), and in petrology, geophysics, and geochemistry as those relate to volcanic eruptions. Application to hazards and risk assessment is also highly desired.

Assistant Professor of Hydrology or Biogeochemistry. We invite applications from biogeochemists and hydrologists who combine field measurements, experimental and/or modeling approaches. Applicants that focus on the coupling between biogeochemical and hydrologic processes across a range of scales are of particular interest. Specialized research interests could include: carbon and nutrient dynamics; watershed and/or critical zone biogeochemistry; effects of land use and/or climate changes on carbon, nutrient, or other reactive element fluxes; nutrient and carbon cycling in streams and rivers; biogeochemistry of streams and rivers; rock-water interaction rates as they control elemental fluxes; controls on concentration-discharge relations; biogeochemistry of harmful algal blooms or emerging contaminants. Use of reactive transport modeling to advance theory is a plus. Of particular interest is the ability to support UB’s ongoing efforts at the nexus of water, energy and the environment and sustainability.

The successful candidates will join the Department’s growing water and established volcanology research groups (http://arts-sciences.buffalo.edu/geology.html) that maintain interdisciplinary collaborations within UB and internationally, and will have opportunities to participate in several centers and initiatives at UB related to natural hazards, environmental sustainability, and computational sciences. In addition to state of the art laboratories, candidates will have access to the Geohazards Field Station and the UB Center for Computational Research (http://www.buffalo.edu/ccr.html). The successful candidates will be expected to develop and maintain innovative, extramurally funded research programs that build on our current research and education strengths in Climate Change, Ecosystems and Adaptation, Water and the Environment, and in Geohazards, Volcanoes and Geodynamics. The successful candidates will have a demonstrated ability to develop original research hypotheses and proposals and to follow through to publication in peer reviewed journals. The successful candidates will have a demonstrated commitment to teaching; teaching duties will involve core undergraduate courses and graduate level courses in the candidates’ specialties. Service to the discipline, department and/or university is expected. Successful candidates must have a Ph.D. degree in geology, geophysics, geochemistry, hydrology, or equivalent field at the time of appointment. The Department is committed to the importance of a diverse faculty. Women and minorities are particularly encouraged to apply. Interest in collaborative research with Department faculty as well as other departments is highly desired for both positions.

Applications must be submitted through the UB Jobs website:

Volcanology (two positions, posting #F1800126) http://www.ubjobs.buffalo.edu/postings/16734 or Hydrology/ Biogeochemistry (posting #F1800127) http://www.ubjobs.buffalo.edu/postings/16729. We will begin to review applications on Nov. 16, 2018 and continue until the positions are filled. Inquiries concerning these positions should be made to Prof. Richelle Allen-King (hydrology/biogeochemistry position; richelle@buffalo.edu) or Prof. Greg Valentine (volcanology position; gav4@buffalo.edu).

Applications should include a Cover letter, CV, Research Statement, Teaching Statement, and contact information for 3-5 references. University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.