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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 University
Laramide
Loma Linda
Lone Star (Texas)
Los Angeles/Orange County
Minnesota
Montana
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Osage
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Pacific Northwest
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Calgary
Dalhousie University
Ireland
Mongolia
Patagonia
South East Asia
Recommended Reads
Suggested books, blogs, podcasts, and more from the AWG editorial team.

- **Geological Society of London Celebrates the First Female Fellows.** The GSL was founded in 1807, but women who made important contributions to the geosciences weren’t even allowed to set foot inside meetings, even if they were receiving awards or having their papers read. It was nearly a hundred years after its founding before women could even be present to hear their own papers read, and not until 1919 that women could be elected as Fellows. And the GSL wasn’t unique.

- **We cheer on women in the sciences, but recruiting and retaining them is still a different story.** This week, the world was enchanted when the National Science Foundation released the first ever image of a black hole. Among the memes and debates and general excitement, people also turned the spotlight on Katie Bouman, the 29-year-old scientist who developed a crucial algorithm that helped produce the historic image.

- **Katie Couric: How We Can Eliminate Bias Against Women in Science.** Couric writes that it’s time to overcome the gender bias against women in science, technology, engineering, and math (STEM).

- **Want black women students to stay in STEM? Help them find role models who look like them.** Study finds having allies and role models who share racial identity is key to belonging

- **10 Women In STEM To Know About For Women’s History Month 2019.** Despite its reputation as a male-dominated field, STEM — science, technology, engineering, and mathematics — is filled with inspirational women who are putting in the work to change the world as we speak. Some of them are starting young, others are breaking boundaries further through their careers, but all of them are making new discoveries and chasing the future.

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**AWG-PNW Breakfast at the GSA Cordilleran Section Meeting**

**Going to the Geological Society of America's Cordilleran Section meeting in Portland in May?**

Don’t forget to sign up for the AWG Networking Breakfast on Friday May 17 from 7 to 8 am. The ticket prices are $15 for students (subsidized by the AWG Pacific NW Chapter and the Portland environmental consulting firm Anchor QEA) and $35 for everyone else. To register, go to [https://www.geosociety.org/GSA/Events/Section_Meetings/GSA/Sections/cd/2019mtg/home.aspx](https://www.geosociety.org/GSA/Events/Section_Meetings/GSA/Sections/cd/2019mtg/home.aspx); the breakfast will be located under “Events.” When you register, you will have a choice of one of two substantial breakfasts: a “Farmhouse Breakfast” (consisting of scrambled eggs, potatoes, and ham, bacon, or sausage) and a vegetarian “Northwest Frittata” (with mushrooms, goat cheese, greens and potatoes). If you need a vegan breakfast, please sign up for the frittata, but contact Marcia Knadle at marciaawg@aol.com to request a “tofu scramble” instead.

**We hope to see you there!**

You may also wish to consider attending the pre-meeting field trip FT1: Flood Basalts, Rhyolites, and Pre- to Postdating Volcanism of the Columbia River Province in Eastern Oregon, which will be co-led by AWG-PNW member Emily Cahoon (PSU).
DON’T FORGET TO RENEW YOUR 2019 AWG MEMBERSHIP!


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.

Geological Society of America: Penrose Conference

Penrose Conferences, named in honor of R.A.F. Penrose, Jr., a major GSA benefactor and past president (1930), were established in 1969 to further GSA's service to the geosciences. These conferences bring together multidisciplinary groups of geoscientists to facilitate open and frank discussions of ideas in an informal setting and to stimulate individual and collaborative research.

Current Conference: CLAST2019, Climatic Controls on Continental Erosion and Sediment Transport

Date: 4-10 August 2019
Location: Juneau, Alaska, USA
Cost: estimated $950 – $1,200
Application Period: 1 March – 15 May

Must apply and be selected to attend.

More info at CLAST2019.weebly.com

The fields of geomorphology and sediment transport have evolved quickly over the past 20 years as a result of a more quantitative approach being taken to the understanding of how sediment is generated and then transported to deep sea depocenters. This data renaissance has in part been aided by new and increasingly affordable stable and radioisotope techniques that allow higher-resolution datasets to be constructed across time and space. Penrose conferences are designed to be interdisciplinary and our proposed theme concerning how climatic change can modulate the generation of sediment spans a variety of subdisciplines within the geosciences, specifically sedimentology, geochemistry, remote sensing, tectonics, and geochronology. Although in this meeting we focus on constraining the role that climate rather than tectonics plays on erosion and sediment transport, we do not seek to exclude researchers whose interests lie in studying the tectonic evolution of the solid Earth. Coupling between solid Earth and the enveloping atmosphere and hydrosphere is ongoing and often isolating paleoclimatic signals from erosional records requires integrative approaches accounting for and incorporating tectonic influence.

The overall subject of this GSA Penrose conference on sedimentation relating to climate and tectonic interactions is a discussion that has garnered significant attention and is a consistent theme at conferences and numerous scientific workshops. Our proposed conference is designed to bring together people with this common interest to synthesize the state of knowledge on this topic in a way that is often not possible within the confines of a limited special session at a major international meeting.
AWIS Unveils the ARC Network, a STEM Equity Brain Trust

Thriving ARC Network Community to Drive Equity in STEM Academic Workforce

The Association for Women in Science (AWIS), the leading advocate for women in STEM, introduces the ARC Network as a priority initiative to create meaningful systemic change in academia. The STEM equity program ARC Network will host an Equity in STEM Community Convening on October 6, in Cleveland, Ohio, and provide an opportunity for scholars to participate in the Virtual Visiting Scholars (VVS) Program, a one-year research project. Both offer in-depth exploration of resources, strategies and promising practices for achieving equity. The ARC Network draws on decades of research and practice to equip its community with critical tools needed for improving the participation, advancement and inclusion of a diversity of women in academia.

“The ARC Network will be a driving force for systemic change by bringing together the best and the brightest and that includes those historically excluded and overlooked in these conversations,” said AWIS CEO Sandra W. Robert, CAE. “Through an intersectional lens, we can search for accountability and transparency among change agents and institutions as we work toward more inclusive STEM cultures. Our goal is to help higher education go beyond traditional practices and address the tremendous representation imbalance, especially for women and traditionally marginalized identities.”

Through the ARC Network, known as the STEM equity brain trust, select scholars can pursue research, meta-analysis and big data curation on STEM equity topics through the ARC Network’s Virtual Visiting Scholars program. Virtual Visiting Scholars help determine the overall effectiveness and applicability of existing interventions and allow for data connectivity across institutions, organizations, and disciplines. The Call for Prospectus for the VVS Scholars program is open until May 15, 2019. Gender equity researchers are encouraged to apply.

The ARC Network will bridge the gap between researchers and practitioners by offering focused programming online and in-person. Participants and presenters from institutions of higher education as well as from industry, government, and other employment sectors that have not traditionally participated in the ADVANCE community will broaden the range and scope of approaches to equity in STEM. The call for abstracts is from April 1 until May 3. Learn more about the Equity in STEM Community Convening.

“AWIS will build on the historic work of STEM equity advocates, and through the ARC Network will engage with a community dedicated to tackling equity and inclusion issues and sharing those practices,” said Rochelle Williams, PhD, AWIS Project Director and ARC Network Co-Principal Investigator. “This inclusive community will break down silos, ineffective knowledge transfers, and unnecessary duplication of efforts, barriers found throughout the years of equity work.”

Funded by a multi-year investment from the National Science Foundation (NSF), the ARC Network draws on the efforts of ADVANCE, the NSF’s program addressing systemic inequities in academic STEM, and produces new perspectives, methods and interventions with an intersectional, intentional and inclusive lens. Gender equity advocates are invited to join the ARC Network Community at www.EquityInSTEM.org/join.

Learn more about the ARC Network by reading the project fact sheet.
Fossils, Deep Time & Extinctions

NEW distance class starts June 3 — Apply today!

- Macrofossil and microfossil evolution
- Originations, radiations and extinctions
- Paleontological databases, software and applications

LEARN MORE
dce.mst.edu/ggpe/geosciences

Systematic Paleontology

Distance class starts Aug. 19 — Apply today!

- Familiarity with basic fossil morphological concepts
- Understand evolution of life and applications of fossils
- Applications of different tools for interpretation
- Improve writing and oral skills

LEARN MORE
dce.mst.edu/ggpe/geosciences
AWG Western Great Lakes Field Trip
August 16–25, 2019

Join us for a beautiful and fascinating geologic tour of the Upper Peninsula of Michigan and northeastern and eastern Wisconsin, with an emphasis on the geology of the northern portion of the Midcontinent Rift and the lower Paleozoic sedimentary cover in Wisconsin. This trip will be led by geologists Tom Fitz (Northland College) and Don Mikulic (Weis Earth Science Museum). The eastern Wisconsin portion of this trip is in memory of, and honors the work of, Joanne Kluessendorf, founding director of the Weis Earth Science Museum. Joanne was Gaea editor in the late 1990s and early 2000s, and many of you met her during her several years enthusiastically managing the AWG booth at GSA’s annual meetings.

Trip highlights include:

- The scenic shore of Lake Superior, with its excellent rocky outcroppings of Midcontinent Rift rocks, one of the world’s best-preserved continental rifts and one of the largest igneous provinces in the world. We’ll also explore the area’s rich mining history.

- The Silurian cliffs of Door and Calumet Counties in Wisconsin representing the western end of the Niagara Escarpment, the longest bedrock feature in the region, defining the boundaries of three of the Great Lakes

- Schoonmaker Reef National Historic Landmark in the History of Science in Wauwatosa, WI. This is the first ancient reef described in North America and the birthplace of the National Association of Geology Teachers

- The Middle Devonian rocks of Milwaukee, foundation of the largest natural cement industry of the Midwest

- The Ice Age National Scenic Trail, Ice Age National Scientific Reserve, and Kettle Moraine State Forest -- illustrating why the latest North American glacial advance is called the Wisconsinan


Please email Marcia Knadle at marciaawg@aol.com if you would like to join this exciting adventure. The member price will be $1900* with a minimum of 8 and a maximum of 14 participants, so don’t delay! Registration forms and additional trip information will be available online on or about February 15 at www.awg.org/fieldtrips. A $500 deposit is due March 15, 2019 and full payment is due May 31, 2019.

* Price includes ten nights double-occupancy lodging. (A VERY limited number of single rooms will be available for an additional $800.) Price also includes transportation by minivan, most breakfasts, all lunches, and two dinners. It does not include airfare to and from Milwaukee, WI, or transportation within Milwaukee. A limited number of student member discounts are available.
The Faculty of Geo and Atmospheric Sciences at the University of Innsbruck invites applications for the position of University Professor in Interdisciplinary Mountain Research. The position will be based on a permanent civil-law employment contract with the University (§98 UG 2002). The successful candidate will hold the position of Society-Environmental Relations in the Alps and other mountain regions, in research and teaching, within the Faculty of Geo and Atmospheric Sciences. In addition, through a cooperation with the Austrian Academy of Science (ÖAW), it is intended, that the successful candidate will become active in the Institute of Interdisciplinary Mountain Research (IGF) of the ÖAW in Innsbruck, and in due course will likely fulfil the role of Director of the Institute (at the request of the Presidium of the Academy).

The successful candidate is expected to make seminal scientific contributions to understanding the major social and environmental challenges facing mountainous areas during the Anthropocene. A special focus should be placed on the complex structure of natural, social, and economic spaces within mountains, the associated population dynamics, and the interaction with the surrounding environment. Using an empirical, theoretical, and system-modelling approach, the successful candidate will contribute to further development of Innsbruck University into an internationally leading mountain research location. The position should be carried out in close collaboration with the research activities of the University Research Focus, “Mountain Research”, as well as its associated research centres and doctoral programmes.

**Key Responsibilities:**

- Representation of the subject "Interdisciplinary Mountain Research" in research & research-led teaching.
- Coordination of research and development of projects in cooperation with the IGF and with relevant research groups at the University of Innsbruck.
- Coordination and control of the objectives to be agreed with University of Innsbruck.
- Participation in compulsory teaching within the framework of degree programs of the Faculty of Geo- and Atmospheric Sciences of the University of Innsbruck, including the supervision of undergraduate and postgraduate theses, and appropriate collegial cooperation in university administration and management.
- Successful acquisition of third-party funds.

**Qualification Requirements:**

1. a completed domestic or equivalent foreign university education in one or more core subjects of mountain-relevant research;
2. relevant teaching qualification (habilitation) or equivalent qualification;
3. publications in leading international journals;
4. proven engagement with interdisciplinary approaches;
5. professional experience abroad;
6. strong didactic skills;
7. successful acquisition of third-party funds;
8. leadership and management skills;
9. high social skills, teamwork and collegiality;
10. the ability to teach in German and English or, if necessary, the willingness to learn the German language for university use.

Continued on next page...
Job Opportunity

University Professor in Interdisciplinary Mountain Research
University of Innsbruck

The appointment procedure is handled by the University of Innsbruck. Applications must be received at Universität of Innsbruck: Fakultäten Servicestelle (FSS), Standort Innrain 52 f, A-6020 Innsbruck (fss-innrain52f@uibk.ac.at) no later than May 1, 2019.

The University of Innsbruck aims to increase the number of women in academic positions and invites qualified women to apply. If applicants have the same qualification, applications from women will be given preference.

Qualified scientists (usually by habilitation) at the beginning of their careers are particularly encouraged to apply. This position is classified in the employment group A1 of the Collective Bargaining Agreement for University Employees with a minimum monthly salary of 5.005,10 Euro (before tax, 14 times per year).

Depending on qualifications and experience, a higher salary is subject to negotiation with the Rector. On top of that, the University offers numerous, attractive employee benefits (http://www.uibk.ac.at/universitaet/zusatzleistungen/). Where an offer is made by the ÖAW, the extent of employment at the University and Academy, as well as remuneration and equipment with regard to activities of the IGF, will be negotiated separately.

The application documents need to include: A curriculum vitae with details of scientific and professional career; a list of peer-reviewed scientific publications, lectures and other scientific papers and projects (including details of funding providers, sums awarded, and project durations); a list of time spent abroad (indicating the period and activity); the five most important publications; a list of courses taught; a short proposal of the planned research strategy for the IGF and its relationship with the University of Innsbruck, as well as the planned teaching concepts.

In all cases, the application must be submitted digitally (CD or a linked pdf file via e-mail). The hardcopy (paper) form is optional.

The full, authoritative text in German (published in the official bulletin of the University of 15th of March, 2017) as well as additional information on the current status of the application process may be found at: http://www.uibk.ac.at/fakultaetenservicestelle/standorte/innrain52f/berufungen_habilitationen/berufungen_index_2010.html

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