This edition of E-News was edited by Karen Fryer and Shawn Blaesing.
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

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Baylor University
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Great Lakes
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HOME
A Message from the Editorial Team

Join us today!!

On behalf of AWG, we would like to thank Jessica Bean for many years of service as Assistant Editor for E-News. With its professional, polished look and abundance of useful information, the membership has been kept apprised in a timely fashion of the efforts of AWG board and members and the opportunities available to promote the education and careers of a diverse work-force. We wish Jessica well in her new personal and professional endeavors.

And as a result of the foregoing, we are now actively seeking someone to join the editorial team as Assistant Editor responsible for E-News. The editorial team includes Shawn Blaesing, Assistant Editor for GAEA, and Karen Fryer, Editor. You can expect plenty of assistance from us to get up and running. Please email editor@awg.org to express interest, suggest someone, or to ask questions about the requirements.

Thank you!

Polishing Your Writing Skills for State Government Agency Careers

Held June 4, 2019

On an early Saturday morning in May, our chapter took 14 adventurers out to discover their potential for finding fossils. Of the group only a few had ever been fossil collecting before.

Beverly Walker and Ryan Haupt first took the group to the Calvert Marine Museum, a local museum with excellent displays on geologic time, example of fossils found locally, and reconstructions of what some of the Miocene creatures looked like, including a full scale skeleton of the mega-toothed shark *C. megalodon*! After getting a taste of what was to come, we packed up and headed towards the beach. In Maryland there are several beaches where the St. Mary’s, Choptank, and Calvert Formations are eroding into the Chesapeake Bay. All three of these formations are Miocene (5.3mya-23.7mya) in age and full of marine fossils. The longshore currents in the area deposit many of these fossils on the beaches nearby, where fossil collecting is permitted.

Our field trip went to Flag Ponds Nature Park. A short, shaded 0.25 mile hike brought us down to the beach. Here Ryan and Beverly each described and demonstrated their personal favorite technique for finding fossils. Beverly also brought along some examples of fossils previously found at a nearby beach, to help our participants develop a mental image of what they were searching for. Over the course of a few hours every participant found something, typically at least several shark teeth to take home with them. In addition to about 10 different types of shark teeth, our groups also found skate plates, mammal teeth, crab claws, croc armor, turtle shell, and even a *C. megalodon* vertebral disc! Everyone went home with a little more knowledge of the region and some fossilized souvenirs.

Overall it was a very successful field trip!

Photo left: Fossil Hunting Participants include both AWG members and interested members of the DMV community.

Photo right: DMV AWG’s Officer Bev Walker created a display of sharks teeth and other fossils, to show the variety in size, shape, and color that the fossil hunters might come across on the beach.
AWG Award Announcements

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 August 10, 2019.

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

Takken Student Research Presentation Travel Award

The Takken Student Research Presentation Travel Award provides women geoscience students with support to present their research at a national or international professional geoscience meeting other than the Annual Meeting of the Geological Society of America. This travel award is named for Suzanne Takken (1925–1997), an avid traveler and strong supporter of women in geoscience. Suzanne spent a long career in Oklahoma City, Oklahoma, as a petroleum geologist for a major petroleum corporation and as a consulting geologist after her retirement. She served terms as president of AWG (1989–1990) and director of the AWG Foundation (1996–1997) and was awarded the AWG Distinguished Service Award in 1993. She especially enjoyed traveling to countries in Asia and the Pacific region.

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 a national or international professional geoscience meeting other than the Annual Meeting of the Geological Society of America.

The application deadline is August 10, 2019.

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

The Geoscience for America’s Critical Needs document has been revised collaboratively by the AGI federation of geoscience societies for each presidential cycle since 2008, used as a benchmark reference for non-partisan information pertaining to the geosciences. With the 2020 election approaching, the American Geosciences Institute is in the process of considering if and what changes to the document may be warranted.

We are approaching this review differently by using a public comment process as an integral aspect of the revision process. AGI invites you to participate in this public comment process.

To access the public comment page, with a numbered-paragraph version of the text, please visit: https://www.americangeosciences.org/policy/critical-needs/public-comment

Or you can email your thoughts and ideas to criticalneeds@americangeosciences.org. The comment period will end on July 5, 2019.
Recommended Reads
Suggested books, blogs, podcasts, and more from the AWG editorial team.

- Life on JOIDES Resolution and the research it supports is well described by Prof. Suzanne O'Connell in http://theconversation.com/60-days-in-iceberg-alley-drilling-for-marine-sediment-to-decipher-earth-climate-3-million-years-ago-114553

- George Monbiot eulogizes Polly Higgins, the Scottish lawyer who created the concept of ecocide in international law https://www.theguardian.com/commentisfree/2019/mar/28/destruction-earth-crime-polly-higgins-ecocide-george-monbiot

- A Nature article reports on the U.S. National Academy of Sciences proposal to amend the by-laws to allow for rescinding of membership for the most egregious violations of the new Code of Conduct, https://www.nature.com/articles/d41586-019-01397-y with the membership subsequently voting to approve the measure http://www.nasonline.org/news-and-multimedia/news/NAS-bylaws-amendment-approved_060319.html

- Gender bias in reference letters continues to be a problem, and we might all be surprised at unintended messages arising from our own letter writing. Check out this link for descriptions of known issues and pointers to avoid bias-- https://csw.arizona.edu/sites/default/files/avoiding_gender_bias_in_letter_of_reference_writing.pdf as well as this tool to help evaluate your efforts- https://www.tomforth.co.uk/genderbias/
Registration closes July 7th for AWG’s 2019 field trip to the Western Great Lakes Aug 16-25

Native copper! Iron ranges! Fossil reefs! There are still two spaces left on our 10-day field trip to the western Great Lakes region, and the discounted student price is still available. This is actually two trips back-to-back, starting and ending in Milwaukee, Wisconsin. The first four days will be led by Tom Fitz of Northland College and will take us to Michigan’s scenic Upper Peninsula to see Proterozoic Midcontinent Rift rocks, some of the most interesting rocks in North America and a classic iron and copper mining region. The remainder of the trip will bring us back south to the area around Door County (the peninsula extending northeast into Lake Michigan from Green Bay) and the Milwaukee area. This second trip will focus mostly on lower Paleozoic sedimentary rocks, and will be led by paleontologist Don Mikulic. This portion of the trip honors the work of paleontologist Joanne Kluessendorf, who passed away last year and was Don’s wife. Joanne was very active in AWG, serving as Editor in the late 1990s and early 2000s and establishing AWG’s Winifred Goldring Award with the Paleontological Society. She was also founding Director of the Weis Earth Science Museum, which we will tour.

The AWG member price is $1900 for double occupancy ($1500 for student members) or $2700 for single occupancy, which will cover van transportation, lodging, lunches, most breakfasts and two dinners. For more information and to register, please go to the field trip page on the AWG website (www.awg.org/fieldtrips) and download the registration form (if you’re a student) or register online at AWG’s store. If you mail the registration form, please email a copy to fieldtrips@awg.org. At this late date, you must pay the full trip price.
WHAT IS THE AAAS IF/THEN AMBASSADORS PROGRAM?

What do Olympic gold medalists, Grammy award-winning performances, marine biologists, cancer researchers, and tech CEOs all have in common? STEM! STEM professionals use their skills in many fields—including entertainment, fashion, gaming, manufacturing, music, research and development, architecture, retail and technology.

The AAAS IF/THEN Ambassadors program highlights women in STEM who are contributing in all these fields and more, showing girls the different career pathways they can pursue and how STEM impacts their lives every day.

The AAAS IF/THEN Ambassadors program brings together 100 women from a variety of science, technology, engineering, and mathematics (STEM) careers to serve as high-profile role models for middle school girls. AAAS IF/THEN Ambassadors will receive an award of $5,000 and will have access to skill-building, media, and engagement opportunities through February 2021.

To learn more about IF/THEN, visit www.ifthenhecan.org.

To apply to the AAAS IF/THEN Ambassadors program, visit www.aaas.org/ifthen.
WHAT WILL AAAS IF/THEN AMBASSADORS DO?

The once-in-a-lifetime opportunity provides AAAS IF/THEN Ambassadors with a national platform to tell their stories and inspire the next generation of STEM pioneers. As high-profile role models, AAAS IF/THEN Ambassadors will share stories of their STEM journeys and the many ways in which they use science, technology, engineering, and math to solve problems and create new possibilities for the future.

An in-person summit will empower AAAS IF/THEN Ambassadors to take their outreach to the next level. Summits will include personal press kit development including photo shoots and videography, as well as coaching and support from specialists in science communication, public engagement, media, diversity, and inclusion, and STEM education. Inspirational VIP guests will also participate in the summit.

Online engagement with each other and with a wider network of experts will build on the in-person summit, strengthening AAAS IF/THEN Ambassadors’ skills and supporting development of a community of dynamic women in STEM careers. The National Girls Collaborative Project will host a digital asset library to provide access to photos and videos of Ambassadors for nonprofit and educational use.

Opportunity to participate in a wide variety of media opportunities including original media content featuring women STEM professionals that will reach girls where they access content the most on YouTube through partnerships with popular channels like GoldieBlox; on cable television shows; and on network television through a weekly series highlighting the STEM behind popular culture.

Opportunity to connect directly with middle school girls in their classrooms, and in informal science education settings such as AAAS Family Science Days, museum exhibits about women in STEM professions, Girl Scouts of the USA programs, and on virtual platforms that will allow AAAS IF/THEN Ambassadors to have conversations with girls across the United States.

To ensure that the selected candidates represent excellence and diversity in STEM careers, candidates are evaluated for overall excellence with a focus on:

- Contributions to their STEM-related field, commensurate with their career stage
- Demonstrated experience and abilities in STEM communication and public engagement via media, classroom, and public programs
- Commitment to inspiring middle school girls to be the next generation of STEM pioneers

Selected Ambassadors will represent an array of career fields, career stages, and pathways in STEM.

Applications Open
April 1 - July 21, 2019

AAAS IF/THEN
Ambassadors Summit
October 21-25, 2019
in Dallas, TX

Opportunity to Participate
in AAAS Annual Meetings
in February 2020 and 2021

Optional Ambassadors
Reunion and Celebration
in 2020 in Dallas, TX
The Geology Department, University at Buffalo, seeks an instructional faculty member (formal title: Clinical Assistant Professor 12) who is eager to play a key role in Department programs. The successful candidate will teach four courses per semester or engage in equivalent non-instructional duties, which may include service and/or administrative responsibilities associated with the Department’s educational programs. The successful candidate will primarily teach courses related to sedimentary geology in the undergraduate and graduate curriculum. Opportunities (depending on interest and aptitude) include advancing pedagogy and scholarship through attendance at professional meetings and mentoring student research projects. This is a 12-month position.

The successful candidate will have earned a PhD in Geology or a closely related field, with a conferral date no later than the start of the appointment. Demonstrated teaching ability is required, as is the ability to lead field trips for assigned courses, and the ability to lift and carry up to 30 pounds. Specialization in sedimentary geology or paleontology, university teaching experience and demonstrated computational skills are preferred.

The three-year, renewable appointment begins in August 2019. Applications, including cover letter, CV, teaching statement and list of 3 references, must be submitted electronically at [www.ubjobs.buffalo.edu/postings/19498](http://www.ubjobs.buffalo.edu/postings/19498). The position is open until filled. 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.