Workers in science and engineering occupations

In 2015, women and some minority groups were represented less in science and engineering (S&E) occupations than they were in the U.S. general population.

<table>
<thead>
<tr>
<th>S&amp;E Occupations</th>
<th>U.S. Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>White men</td>
<td>31%</td>
</tr>
<tr>
<td>White women</td>
<td>31%</td>
</tr>
<tr>
<td>Asian men</td>
<td>3%</td>
</tr>
<tr>
<td>Asian women</td>
<td>3%</td>
</tr>
<tr>
<td>Black men</td>
<td>6%</td>
</tr>
<tr>
<td>Black women</td>
<td>7%</td>
</tr>
<tr>
<td>Hispanic men</td>
<td>9%</td>
</tr>
<tr>
<td>Hispanic women</td>
<td>8%</td>
</tr>
<tr>
<td>Other men and women</td>
<td>3%</td>
</tr>
</tbody>
</table>

Source: National Center for Science and Engineering Statistics, National Science Foundation
Women, Minorities, and Persons with Disabilities in Science and Engineering: 2017

In This Issue:

- About AWG & E-News
- Recommended Reads
- Workshop Opportunities
- Job Opportunities

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.

• **The Nastiest Feud in Science.** A Princeton geologist has endured decades of ridicule for arguing that the fifth extinction was caused not by an asteroid but by a series of colossal volcanic eruptions. But she’s reopened that debate. An Article by Bianka Bosker in The Atlantic.

• **Inside the Campaign to Strip Harassers of Their Scientific Honors.** Some members of the science community are fighting to ensure that a finding of harassment leads to consequences far beyond whatever the university decides—including their removal from the National Academy of Sciences. An article by Francie Diep from the Pacific Standard.

• **Women Maintain NIH Funding Similar to Men: Study.** While searching for reasons why women faculty members are underrepresented in the life sciences, researchers have looked at factors affecting the retention of female faculty, such as the ability to sustain funding. A new analysis finds that keeping the money rolling in doesn’t appear to be a factor. Of nearly 35,000 researchers who received funding from the National Institutes of Health (NIH) between 1991 and 2010, men and women maintain funding at roughly the same rates. An article by Kerry Grens in The Scientist.

• **Science Career Ads Are Disproportionately Seen by Men.** Women see fewer advertisements about entering into science and technology professions than men do. But it’s not because companies are preferentially targeting men—rather it appears to result from the economics of ad sales.

• **If Disney Princesses Were Earth and Environmental Scientists...** Enter to an alternate universe where happily ever after includes a dedication to the scientific method. An article by Mohi Kumar from the Earth & Space Science News. An article by Dina Fine Maron in Scientific American.

• **Women, Own Your ‘Dr.’ Titles.** “It had never occurred to me to add “Ph.D.” to my name on Twitter until I was slammed for mentioning that I had one....” An opinion piece by Julia Baird in The New York Times.

• **Petroleum and the Environment.** This publication provides a completely rewritten and expanded update to the original Petroleum and the Environment, published in 2003 as part of AGI’s Environmental Awareness Series. Taking the form of 24 standalone but complementary factsheets and case studies, Petroleum and the Environment provides a coherent, impartial look at the range of environmental questions relating to oil and gas operations in 2018. Particular emphasis is placed on the current scientific understanding of each topic, as well as technological developments, regulations, sources of uncertainty, effective mitigation strategies, and areas of particular concern or progress. Just as importantly, Petroleum and the Environment contains a rich bibliography of primary data sources, high-quality analyses, regulatory information, and much more, allowing interested readers to pursue any topic to their own satisfaction. From AGI.

You can send suggestions for “Recommended Reads” to Enews@AWG.org.
1. AWG Workshop Bystander Intervention Training to Reducing Hostile Work Climates
(Event - 2018 CO AIPG Annual Conference – Purple Mountain Majesties)

Sep 08, 2018 8:00 am – Sep 08, 2018 12:00 pm. This course will earn you 3.5 CEU’s!

Register here (it’s FREE!):

https://netforum.avectra.com/eweb/DynamicPage.aspx?WebCode=SessionDetail&session_key=76ded147-4b96-4fae-83a3-92a4a2e592a2&evt_key=20efab8a-9171-41d8-91be-f3fd4c399f1d&Site=AIPG

Leaders: Blair Schneider, PhD, TRESTLE Program Manager, KU Center for Teaching Excellence; Moses P. Milazzo, PhD, Research Physical Scientist, U.S. Geological Survey; Rebecca Barnes, PhD, Colorado College

Description
Unconscious bias and harassment endanger the professional and personal well-being of individuals and their communities and contribute to hostile climates experienced by women and historically under-represented groups in science. This workshop will first introduce participants to the role of unconscious bias as a contributing agent to hostile work climates. Second, it will introduce and prepare participants with the skills, confidence, and motivation to become active bystanders in their workplace. At the end of this workshop, participants will be able to identify: (1) different ways in which sexual harassment, bullying, and microaggressions can manifest in workplace environments, (2) strategies for bystander intervention and for reporting harassment, and (3) resources to share with their institutions or companies for cultural change.

2. Understanding the Impact of Unconscious Bias and Active Bystander Intervention Training to Reducing Hostile Work Climates
(Event - GSA 2018 Annual Meeting)

Nov 03, 2018 8:00 am - 12:00 pm

Leaders: Blair Schneider, PhD, TRESTLE Program Manager, KU Center for Teaching Excellence; Lauren Zeeck, Colorado School of Mines; Rania Eldam Pommer, Colorado School of Mines

You can register for this conference when you register for the GSA Annual Meeting. Students are also encouraged to join! The cost is $10 per person and includes food and drinks.

Description:
Bullying, harassment, sexual harassment, microaggressions. If you've ever witnessed any of these behaviors among colleagues, you know the negative consequences. We'll discuss how these behaviors manifest and develop, how they impact under-represented groups in the workforce, and what it means to be an active bystander and ally to promote a positive and supportive workforce. At the end of this workshop, participants will be able to identify: (1) different ways in which sexual harassment, bullying, and microaggressions can manifest in workplace environments; (2) strategies for bystander intervention, and (3) resources to share with their institutions or companies for promoting cultural change.

If you have any questions, please email Blair Schneider at bensonbe@ku.edu.
Job Opportunity

Chair, Department of Geosciences, Tenure-track Faculty
Middle Tennessee State University (MTSU) Department of Geosciences

The Middle Tennessee State University (MTSU) Department of Geosciences invites applications for an innovative leader to chair the Department of Geosciences. The department offers baccalaureate programs in geology, physical geography, and environmental science, and master's programs in geospatial analysis and environmental geosystems. Responsibilities of the chair will include providing strong academic leadership for the Department, budgetary coordination, faculty/staff hiring and evaluations, facilitating planning and assessment, community advancement, fundraising, facilitating the acquisition and implementation of external grants, teaching and mentoring students, and providing leadership in the development and oversight of instructional programs, research, and service commitments. The successful candidate must have a distinguished record of teaching, research, and service in the geosciences, environmental sciences, or closely related area. Candidate must also have excellent communication and interpersonal skills; demonstrated vision, leadership, administrative experience and ability to work productively with faculty and students from diverse backgrounds.

Applicants must be eligible for the rank of associate professor or full professor, with tenure upon appointment possible. Start date for the position is negotiable but not later than August 1, 2019.

MTSU Geosciences offers BS degrees in Geoscience with concentrations in Geology, Physical Geography, Environmental Science, and a MS concentration in Geosciences. The Department is comprised of 12 faculty and research staff, approximately 100 undergraduate majors, and 20 graduate students. In 2017, the Department moved into new teaching and research facilities, including specialized laboratories in GIS, remote sensing, hydrology and geochemistry. The Department emphasizes excellence in teaching, while also supporting the development of new and innovative research programs at both the undergraduate and graduate levels.

Required documents for application include a cover letter, curriculum vita, and statements of teaching philosophy, research experience and interest, and administrative philosophy. Three letters of recommendation and official university transcripts (not issued to applicant) of all degrees received will be required of all applicants selected for an interview. Please contact Dr. Wendy Beckman (Wendy.Beckman@mtsu.edu, 615-494-8755) with questions.

To apply for this position, go to http://mtsujobs.mtsu.edu and follow the instructions on how to complete an application, attach documents, and submit online. Review of applications begins September 3 and continues until position is filled. Rank and salary are commensurate with education and experience. Proof of U.S. citizenship or eligibility for U.S. employment will be required prior to employment (Immigration Control Act of 1986). Clery Act crime statistics for MTSU available at http://mtsu.edu/police/annual-security-report.php or by contacting MTSU Public Safety at 615-898-2424. EO/AA employer.
Job Opportunity

Tenure-track, Assistant or Associate Professor, Climatology
Middle Tennessee State University (MTSU) Department of Geosciences

The Middle Tennessee State University (MTSU) Department of Geosciences invites applications for a tenure-track Assistant or Associate Professor in climatology beginning August 1, 2019. Teaching responsibilities include undergraduate and graduate courses in climatology, climate change, Earth science, physical geography, and related disciplines. Applicants with abilities to teach courses in meteorology and develop discipline-related courses for the Department’s new Environmental Science major will receive special consideration. The successful candidate will be expected to undertake collaborative and multi-disciplinary research within the department and university, and to be actively involved in university and professional service. Candidates must have completed a PhD in geosciences or related field at time of appointment.

MTSU Geosciences offers BS degrees in Geoscience with concentrations in Geology, Physical Geography, Environmental Science, and a MS concentration in Geosciences. The Department is comprised of 12 faculty and research staff, approximately 100 undergraduate majors, and 20 graduate students. In 2017, the Department moved into new teaching and research facilities, including specialized laboratories in GIS, remote sensing, hydrology and geochemistry. The Department emphasizes excellence in teaching, while also supporting the development of new and innovative research programs at both the undergraduate and graduate levels.

Required documents for application include a cover letter, curriculum vita, statement of teaching philosophy, and statement of research experience and interest. Three letters of recommendation and official university transcripts (not issued to student) of all degrees received will be required of all applicants selected for an interview. Please contact Dr. Henrique Momm (henrique.momm@mtsu.edu, 615-904-8372) with questions.

To apply for this position, go to http://mtsujobs.mtsu.edu and follow the instructions on how to complete an application, attach documents, and submit online. Review of applications begins September 3 and continues until position is filled. Rank and salary are commensurate with education and experience. Proof of U.S. citizenship or eligibility for U.S. employment will be required prior to employment (Immigration Control Act of 1986). Clery Act crime statistics for MTSU available at http://mtsu.edu/police/annual-security-report.php or by contacting MTSU Public Safety at 615-898-2424. EO/AA employer.
The Department of Earth Sciences at Dartmouth College invites applications for a tenure-track assistant professor of mineralogy and geochemistry. Particular attention will be given to candidates with research interests in applied mineralogy related to mineral-microbe or water-rock interactions. We are especially interested in candidates who focus on understanding fundamental processes through a state-of-the-art field and laboratory research program that 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. The successful candidate will continue Dartmouth’s strong traditions in graduate and undergraduate research and teaching. Teaching responsibilities consist of three courses spread over four ten-week terms. One or more of these courses will have a core focus on the fundamentals of mineralogy.

The Department of Earth Sciences is home to 11 tenured and tenure-track faculty members in the School of Arts and Sciences and enjoys strong Ph.D. and M.S. programs and outstanding undergraduate majors. To create an atmosphere supportive of research, Dartmouth College offers new faculty members grants for research-related expenses, a quarter of sabbatical leave for each three academic years in residence, and flexible scheduling of teaching responsibilities. Dartmouth College has undergraduate and graduate student populations that are diverse by many measures. We seek applicants with a record of successful teaching and mentoring of students from all backgrounds (including first-generation college students, low-income students, racial and ethnic minorities, women, LGBTQ, etc.). Dartmouth provides opportunities to participate in undergraduate diversity initiatives in STEM research, such as our Women in Science Program, E. E. Just STEM Scholars Program, and Academic Summer Undergraduate Research Experience (ASURE).

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(3) of your most significant publications, and the name, address (including street address), e-mail address and fax/phone numbers of at least three (3) references to: http://apply.interfolio.com/53423

Application review will begin November 1, 2018 and continue until the position is filled. Applicants must hold a PhD or be ABD with degree anticipated by July 1, 2019.

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.