Letter from the President

We are proud of our 2019 accomplishments and look forward to improve in 2020. Thanks to the generosity of our donors, and dedication of the AEG Foundation’s Board of Directors, committees, and our Operations Manager, the AEG Foundation continues to support the community with scholarships, grants, and research opportunities.

Since inception in 1992, we have grown from a couple of programs to 21 programs by the end of 2019. Over the last 8 years, the AEG has increased the number of programs it supports from 13 to 21. With this comes some more complexities on fund management and operating costs. In response to these complexities, the Board worked diligently in preparing a Fund Management Policy which describes expectation of funds, the generation of individual fund champions to assist in promoting specific funds, and deals with cost accounting protocols. We also rolled out quarterly fund statements to fund champions. We continue to look at these and other policies and programs and recognize that time changes the face of the Foundation.

The AEGF Foundation started the 2019 Year with over $953,000 in net assets and completed the year with over $1,106,000 in net assets. As this letter is being written we are experiencing a different set of challenges brought about by the Covid virus. Markets have been volatile and donations are soft. The AEG Foundation’s ability to continue to support students and professionals in environmental and engineering geology would not be possible without our donors and the hard work of the AEG Foundation Finance Committee, including its long-time investment advisor and past board member – John Peck.

The Foundation has been able to increase the number and amount of awards given this past year to 35 grants and scholarships with a value of over $50,000.

On behalf of the AEG Foundation Board of Directors, I extend our thanks to our donors, scholarship and grant recipients, and our committee members and volunteers. As 2020 rolls in we saw the departure of Board member Kerry Cato and Gary Luce as well as Jane Gil Shaler earlier in the year. Jason Lenz stepped in for Jane, while Ken Neal and Duane Kreuger filled the other departures. Thanks to those that left and welcome to our new directors all of whom volunteer their time and expense to support the AEG Foundation. Our hardworking eleven-member Board of Directors meet during monthly conference calls and travel, at their own expense to our Annual Meeting. We are deeply indebted to our Board member’s dedication and ongoing support.

I sincerely hope that the AEG Foundation has been a good steward of your funds and has developed programs worthy of your support. Please contact me, any of our Foundation Directors, or our Operations Manager, Alex Vazquez, with any ideas or opportunities that will help us to better serve the profession, the public, our donors, and our awardees. It is only with your help and support that the AEG Foundation can continue to succeed in its mission, “To advance science, scholarship and education in environmental and engineering geology for the benefit of all.”

Respectfully submitted,

Bill Flanigan, PG
AEG Foundation President
Established by three Past Presidents of the Association of Engineering Geologists (AEG) in 1992, the AEG Foundation plays a key role in the success of our profession. The AEG Foundation’s vision is to create a culture of giving back to the profession, and to instill complete confidence in donors that their money is well-invested and well-spent. Our core programs emphasize scholarship, research, and professional development to improve professional practice. We support outreach to increase the public’s appreciation of environmental and engineering geology in geo-hazard evaluation and risk reduction.

Mission

Advancing the science, scholarship and education in environmental and engineering geology for the benefit of all.

Governance

AEG Foundation is a volunteer run organization made up of committed Engineering & Environmental Geology Professionals. The board includes previous award winners and 100% of the board make annual donations to support the fiscal health of the organization.
Board of Directors

William Flanigan, President
William K. Smith, Treasurer
Jerry Higgins, Secretary

Kerry Cato, Director
Stephen Evans, Director
Loren Lasky, Director
Jason Lenz, Director

Gary Luce, Director
Rosalind Munro, Director
Robert Tepel, Director
Nichole Vetter, Director
The grants and scholarships of the AEG Foundation are each founded by an individual or chapter, inspired to support students and professionals in specific work, regions, and/or other criteria. Many scholarships are named in the memory of individuals who have made significant contributions to Environmental and Engineering Geology and AEG.

We rely on donors and volunteers to keep each fund sustainable and provide oversight and evaluation of applications. The Board of Directors are charged with the overall oversight of the Foundation's activities, including fiscal management. Below is a view into this year's donations and expenditures by fund, as well as an overall view into the AEG Foundation's expenses.
Programs for Practitioners

**CORNERSTONE FUND**: This fund supports university-level teaching of engineering geology and geological engineering in the United States.

**JAHNS FUND**: Supports speaker programs, including the Jahns Lecturer selected by the AEG and Engineering Geology Division of the Geological Society of America.

2017/2018 Lecturer: Dr. John Wakabayashi  
2018/2019 Lecturer: **Deborah Green**
**K-14 EDUCATION FUND:** The purpose of the K-14 Education Fund is to encourage K-14 students, K-14 teachers, and elementary, middle and high schools to explore methods and technologies to teach geology.

**LEGGET FUND:** Supports traditional and web-based publications in environmental and engineering geology to benefit the professional practitioner, faculty, students, and the public.

**RESEARCH FUND:** Supports small research projects that advance the science and application of environmental and engineering geology.
SHLEMON CONTINUING EDUCATION FUND: The Continuing Education Fund supports local workshops through AEG Sections.

SHLEMON SPECIALTY CONFERENCE FUND: Initiated by Roy Shlemon in 1997, this fund supports specialty conferences in engineering geology and related fields.

Note: Funds in 2016 were moved from the Shlemon Conference Fund to the Shlemon Quaternary Fund, therefore reducing the balance of the Conference Fund.
JOHN MOYLAN STUDENT CHAPTER GRANT: This program supports AEG Student Chapters for field trips, visiting professionals, and other program needs through small grants.

2019 Grant Recipients:
With the help of the Carolinas Scholarship from the AEG Foundation, I attended my field camp, run by North Carolina State University, this summer in Northern New Mexico. We spent 4 weeks around Abiquiu and Taos, NM conducting mapping exercises as well as some geophysical surveying. We stayed at Ghost Ranch in Abiquiu, NM where we mapped structures for one week and geomorphology for a second week. We then moved to Taos where we stayed on campus and we surveyed over 200 meters of stratigraphy and conducted a geophysical survey at the Picuris Pueblo archeological site."

- Evan Miller

Established in 2015 with initial funds for the gift from Carolinas Section, the Carolinas Scholarship Fund supports geologic studies by undergraduate students enrolled in a Geology or Geoscience Program at an accredited university in North Carolina or South Carolina.

2019 Scholarship Recipient:

Evan Miller,
North Carolina State University

"With the help of the Carolinas Scholarship from the AEG Foundation, I attended my field camp, run by North Carolina State University, this summer in Northern New Mexico. We spent 4 weeks around Abiquiu and Taos, NM conducting mapping exercises as well as some geophysical surveying. We stayed at Ghost Ranch in Abiquiu, NM where we mapped structures for one week and geomorphology for a second week. We then moved to Taos where we stayed on campus and we surveyed over 200 meters of stratigraphy and conducted a geophysical survey at the Picuris Pueblo archeological site." - Evan Miller

Carolinas Scholarship Fund

Carolinas Fund Activities

Carolinas Fund Balance
Beardsley-Kuper Fund

This scholarship was established in 2009 by Cathryne Beardsley with her daughter Dorian Kuper and son-in-law Tom Kuper. The fund provides financial support for field camp tuition and expenses.

2019 Scholarship Recipients:

Caleb Ring, Colorado School of Mines
Kasey Buckley, Missouri University of Science & Technology
Jennifer Stephens, Austin Peay State University

![Graphs showing Beardsley-Kuper Fund Activities and Fund Balance over the years.](image-url)
The Lemke Fund supports the scholarly and professional development of student members of the Association of Environmental & Engineering Geologists by awarding grants intended to offset part of the cost of attending and participating in scientific and technical conferences and association meetings. These grants are named “Lemke Scholarships” and may be awarded to students at the undergraduate or graduate levels. Awards will be made by the AEG Foundation to deserving student members who are sole author or first author of a paper or poster that they personally present at the meeting or conference. The number of awards and value of the awards will be determined annually by the Foundation Board.

2019 Scholarship Recipients:

Erin Bisset-Kirton
Raja Das
Jordan Ewing
Andrew Graber

Ashton Krajnovich
Katelyn Kring
Kyle Radach
Brian Rogers

Lemke Scholarship Fund

Lemke Fund Activities

Lemke Fund Balance

Donations
Expenditures

Fiscal Year Balance
Supports graduate and undergraduate Scholarships in Engineering Geology and Geological Engineering. The scholarship awards are grants intended to support academic activity and reward outstanding scholarship in Engineering Geology and Geological Engineering. Recipients of grants will be designated as "Marliave Scholars."

2019 Scholarship Recipient:
Andrew Graber, Colorado School of Mines

"The Marliave Scholarship has been a very helpful resource to me. It allowed me to replace my aging laptop with a brand new one. I use my computer every day for my research and coursework, and having a new, faster computer will help to speed up the pace of my coursework and research. The remainder of the scholarship has helped me to pay my tuition obligations for the year and avoid having to take any loans out for this school year! I'm currently in the third year of my PhD in geological engineering at Colorado School of Mines. My dissertation research on mass-wasting recurrence is well underway, and I'm preparing a paper to submit for publication this fall. I'm also taking classes in numerical modeling and geo-engineering design this fall, and working on an additional landslide research project. Many thanks to the AEG Foundation for the Marliave Scholarship and the Lemke Scholarship! I'm very grateful for both."

- Andrew Graber
The AEG Texas Section Scholarship Fund supports geologic studies by students at the undergraduate and graduate levels. Recipients of grants must be students enrolled in an accredited Texas college or university, or graduate students enrolled in an accredited university outside Texas but conducting their field studies inside Texas. Awards will be made by the AEG Foundation to outstanding and deserving students based on demonstrated ability, scholarship, potential for contributions to the profession, character, and participation in student/professional societies.

2019 Scholarship Recipient:
Steven Follmer, University of Houston Clear Lake
The purpose of the Fund is to support geoscience studies by students at the undergraduate and graduate levels. Recipients of grants must be students enrolled in an accredited Nevada four-year college or university, or students enrolled in an accredited four-year college or university outside Nevada but conducting a substantial portion of their field studies inside Nevada.

Robert J. Watters Fund Scholarship Recipient: Justine Overacker, University of Nevada, Reno

Since I received the Robert J. Watters Great Basin Chapter scholarship last May, a few things have happened. First, I worked at an internship at the US Bureau of Reclamation last summer. I spent 12 weeks in the Applied Geophysics group, writing reports, acquiring geophysical data around the Western US, and testing geophysical equipment/experiments for non-destructive subsurface structural evaluation and dam safety. I had a lot of fun working out of Denver, CO, and learned a lot while I was there!

I presented at three conferences last year, one while I was working for the USBR in July. The first was at the International Union of Geodetic Geophysics meeting in Montréal, Canada, where I presented a poster entitled, "GPS Imaging of Vertical Deformation in the Cascade Arc." I presented a poster at the SAGE-GAGE Workshop in Portland, OR in October called "GPS Imaging of Crustal Uplift in the High Plains Aquifer, Central United States." Then in December, at the American Geophysical Union's annual meeting in San Francisco, CA, I gave a talk called "Investigating Vertical Motions in the High Plains Aquifer region of the United States: Is Anthropogenic Activity Causing Crustal Uplift?" This was my first talk at such a large conference, and it was well-received!

- Justine Overacker
The purpose and scope of the Shlemon Quaternary Engineering Geology Scholarship Fund, developed in cooperation with the original donors, is:

The Shlemon Quaternary Engineering Geology Scholarship Fund supports geologic studies by students at the graduate level. Recipients of grants must be graduate students enrolled in an accredited university and conducting field studies in Quaternary Engineering Geology.

2019 Scholarship Recipient: Nicholas Ferry, University of Cincinnati

"I received the 2019 Shlemon Quaternary Engineering Fund and the West-Gray Scholarship Fund. I am currently a graduate student at the University of Cincinnati, and I was a student here when these funds were awarded. Per my proposal, these funds were both used to fund field work related to my MS thesis. My research focuses on the Blue Diamond mega-landslide located in Blue Diamond, Nevada which is 15 miles west of the Las Vegas strip. Both funds completely covered transportation, lodging, and per diem for 12 days, greatly helping me achieve my field goals. I am currently finishing up my MS thesis and will be defending this summer. I greatly appreciate the generous contributions from AEG for they have single handedly helped me earn a MS degree in geology and have motivated me to continue my research expeditions. Starting in the fall 2020 semester, I will be pursuing a PhD at the University of Kansas. I hope to work with you all in the future."

-Nick Ferry

Note: Funds in 2016 were moved from the Shlemon Conference Fund to the Shlemon Quaternary Fund, therefore increasing the balance of the Shlemon Quaternary Fund.
Stout Fund
Supports graduate and undergraduate students in environmental and engineering Geology.

2019 Scholarship Recipients

Sage Gandolfo, University of Nevada, Reno

John Andrew Krone, University of Southern California

Ogochukwu Ozolta, University of North Dakota

Matthew Tello, Colorado School of Mines

Audrey Woo, McGill University

Stout Fund Activities

Stout Fund Balance

Donations → Expenditures

Fiscal Year Balance
"I am currently on Co-op for a geotechnical company called Northern Technologies Inc. The Co-op has been great experience and it is very beneficial to getting a step ahead in the industry. I will be a senior next semester, which means I will be taking the Geological Engineering Field Camp in the Black Hills. The scholarship that I received is going to help immensely because it will put me in a much better position to pay for field camp. I am so grateful for this award and I am super excited to go back to school in the spring!"

- Regan Wess

"I am currently on Co-op for a geotechnical company called Northern Technologies Inc. The Co-op has been great experience and it is very beneficial to getting a step ahead in the industry. I will be a senior next semester, which means I will be taking the Geological Engineering Field Camp in the Black Hills. The scholarship that I received is going to help immensely because it will put me in a much better position to pay for field camp. I am so grateful for this award and I am super excited to go back to school in the spring!"

- Regan Wess
Tilford Fund

Grants awarded to graduate and undergraduate students in support of field studies.

2019 Scholarship Recipients

Judith Avila, CSU Fullerton

"After completing four-weeks of rigorous geology training, I feel prepared to share the knowledge and wisdom that I have attained in field camp with my future students and would like to thank the Association of Engineering Geologists for supporting me in my career endeavors."

- Judith Avila

Lily Beth Bosworth, University of Utah

"The Tilford Scholarship helped me pay tuition for field camp the first half of the summer, and enabled me to pursue my undergraduate research through the entire summer. Now I’m in my fifth year, in the thick of applying to graduate school, continuing my research, and looking forward to graduating this May with degrees in Honors Geological Engineering and Environmental Geoscience."

- Lily Beth Bosworth

Astrid Garcia, UC Riverside

"Currently in my career, I’m in the Latino Heritage Internship Program as an outreach and interpretation assistant at Florissant Fossil Beds National Monument in Colorado. I’m working on various projects that use the geology and paleontology of the park as a means of communication towards Latino audiences. I’d like to thank the scholarship committee for helping me early on in my journey as a young geologist to pursue my career goals."

- Astrid Garcia

Mathew Ellison, Utah State University

Tilford Fund Activities

Tilford Fund Balance
Supports undergraduate and graduate geology students in the eastern half of the United State through scholarship grants.

2019 Scholarship Recipient:
Nicholas Ferry, University of Cincinnati

"I received the 2019 Shlemon Quaternary Engineering Fund and the West-Gray Scholarship Fund. I am currently a graduate student at the University of Cincinnati, and I was a student here when these funds were awarded. Per my proposal, these funds were both used to fund field work related to my MS thesis. My research focuses on the Blue Diamond mega-landslide located in Blue Diamond, Nevada which is 15 miles west of the Las Vegas strip. Both funds completely covered transportation, lodging, and per diem for 12 days, greatly helping me achieve my field goals. I am currently finishing up my MS thesis and will be defending this summer. I greatly appreciate the generous contributions from AEG for they have single handedly helped me earn a MS degree in geology and have motivated me to continue my research expeditions. Starting in the fall 2020 semester, I will be pursuing a PhD at the University of Kansas. I hope to work with you all in the future."

-Nick Ferry
For auditor's reviewed financials, please see www.aegfoundation.org/about/minutesreports
Thank you!

AEG Foundation
4013 Telegraph Ave Ste E #423
Oakland, CA 94609
staff@aegfoundation.org
www.aegfoundation.org