We are proud of our 2018 accomplishments and look forward to improve in 2019. Thanks to the generosity of our donors, and dedication of the AEG Foundation's Board of Directors, committees, and our Operations Manager, the Foundation continues to support the community behind the AEG Foundation 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 2018. In the process, the Foundation continues to respond to evolving rules and regulations at the State of California where we were founded, and at the federal level. These requirements have not only complicated how the Officers of the Board transition from year to year, but also have elevated are costs to manage the foundation from auditing, bookkeeping, other technical requirements. This continues to challenge our operating fund – the Johnston Fund. Nevertheless, The Board continues to respond to these and challenges.

Even with the downturn of the market in the Fall of 2018, we we were able to finish the year with net assets of over $953,000. These net assets rebounded in early 2019. 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 Investment Committee, chaired by John Peck.

The Foundation has been able to increase the number and amount of awards given this past year to 29 grants and scholarships with a value of over $73,000. In addition to the annual scholarships the AEG Foundation awarded a $32,000 grant to the San Francisco Meeting committee to cover expenses of the 8 Keynote Speakers in San Francisco for the AEG/IAEG Joint Meeting. The Foundation added the Robert J Waters Fund in late 2017 which was fully implemented in 2018.

Our hardworking eleven-member Board of Directors meet during monthly conference calls and travel, at their own expense to attend our 2-day Mid-Year Meeting (this year in the Dallas area) and our Annual Meeting. We are deeply indebted to our Board member’s dedication and ongoing support.

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. 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.
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.

2016/2017 Lecturer: **Scott A. Anderson**  
2017/2018 Lecturer: **Dr. John Wakabayashi**
**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.

2018 Grant Recipients:

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John Moylan Student Chapter Fund Activities

- Donations
- Expenditures

John Moylan Student Chapter Fund Balance

- Fiscal Year Balance
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.

2018 Scholarship Recipient: Marissa Jerden, North Carolina State University

"I work in the Center for Environmental Measurement and Modeling where I provide aid on projects researching lead and arsenic contamination in soils and water as well as how it can affect the human body via digestion. Receiving the Carolina Scholarship was a huge impact on my senior year. It allowed me to have the funds to attend field camp (one of the best experiences of my life!). I was also able to continue to work on geology research at the NC Museum of Natural History and present my research at the Southeastern GSA conference this past spring, because I did not have to worry about coming up with the extra funds needed for field camp. Additionally, going to field camp allowed me to apply my classroom skills in real life situations. For me, this is the most optimal way to learn and I took away many skills from field camp. I am incredibly grateful!" - Marissa Jerden
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.

2018 Scholarship Recipients:

Kaitlyn Allen, California State University, Fresno

"I graduated with my Bachelor's Degree in Geology from California State University, Fresno in December 2018 and have been working full time at the Bureau of Reclamation as a Physical Scientist. My job entails working with water quality issues in the Central Valley and projects such as the Grasslands Bypass Project, San Joaquin River Restoration Program, and the Central Valley Project. I passed the Fundamentals of Geology Exam in the spring of 2019 and hope to take the Professional Geologist Exam in the near future. The scholarship provided me with the opportunity to attend Hydrogeology Field Camp at the University of Minnesota which was an invaluable experience through which I was able to further my knowledge and practice of hydrogeologic mapping, water quality sampling, borehole geophysical techniques, single- and multiple-well aquifer testing techniques, evapotranspiration and groundwater recharge monitoring, stream gauging and surface water monitoring, and groundwater flow and pump test modeling using field data." - Kaitlyn Allen

Tatjana Scherschel, Colorado School of Mines

Beardsley-Kuper Fund Activities

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.

2018 Scholarship Recipients:

- Priscilla Addison
- Bryan Allen
- Hannah Chapella
- Mingdong Zang

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."

2018 Scholarship Recipient:
Stephen Semmens, Colorado School of Mines

"My graduate research is coming to a head and I plan to complete my degree at the end of this spring semester. At the moment I am preparing a manuscript submission to the Elsevier Engineering Geology journal. The work is a culmination of several months generating an empirical model to predict the occurrence of backward erosion piping based on the thickness of local overbank deposits and factor of safety along artificial levees in the Lower Mississippi Valley. I am very grateful for the scholarship and recognition in 2018. Its impact has and will continue to reverberate through the remainder of my college experience and into my professional career." - Stephen Semmens

Marliave Fund Activities

Marliave Fund Balance
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.

2018 Scholarship Recipient:
Ruby Patterson, University of Texas, San Antonio

In Fall 2020 I will begin a Doctoral program at the University of Houston where I will work to understand the genesis and evolution of early Lunar crust. The scholarship awarded at the end of my senior undergraduate year helped cover the cost of field camp in South Dakota. I am incredibly grateful for the scholarship funds and the support of the AEG community! Seriously! Field camp is crazy expensive." - Ruby Patterson

Mathewson Fund Activities

Mathewson Fund Balance
Established in 2017, The Robert J. Watters, Great Basin Chapter Scholarship Fund was inspired by the many geologists and geological engineers who have benefitted from the teaching and mentorship of Dr. Watters and to the many University of Nevada, Reno (UNR) alumni who have dedicated their time, efforts, and careers to teaching, research, and promotion of the practice of geological engineering, environmental geology, engineering geology, seismology, and hydrogeology, in Nevada.

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: Morgan Remick, University of Nevada, Reno
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.

Winners: Hannah Chapella, Kent State University

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.
Supports graduate and undergraduate students in environmental and engineering Geology.

2018 Scholarship Recipients

Caleb Ring, Colorado School of Mines

"I am proud to be a 2018 Stout Scholar. The pictures I included are from my research in the Bighorn Mountains in Wyoming, which the scholarship help me fund. After finishing my MS degree this December, I will start a job at ExxonMobil in Houston, TX tackling new geologic problems." - Anthony Moraes

Jalise Wright, Rutgers University

Anthony Moraes, University of Wyoming

"I have graduated with my Master's in Geology this summer and am now working as an Environmental Scientist for AGEISS, Inc. The scholarship helped me complete my Master's degree so I didn't have to hold a full-time job while going to school, which is great!" - Alyssa Kirkendall

Alyssa Kirkendall, University of Texas, San Antonio
The Susan Steel Weir Scholarship Fund (Women of Steele) promotes and supports the continued development and advancement of women in the profession of engineering geology.

2018 Scholarship Recipient: Anna Stanczyk

"I graduated from the University of Utah with an MS in Geology in summer 2019. I successfully defended my thesis "Geomorphic and sedimentologic impacts of mass movements in canyon topography: A case study in Hop Valley, Zion National Park, Utah" in April, and relocated to the Seattle area following graduation. I am now working as a consulting geologist at Golder Associates - a geotechnical and environmental engineering firm. There, I am a part of the geosciences team where I'm gaining a diverse suite of practical skills, and continuing to research landslides with their geohazards practice team. I feel lucky to have found this niche position! I also am happy to announce that I just passed the FG exam and am officially a Geologist-in-Training in the state of Washington." - Anna Stanczyk
**Tilford Fund**

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

**2018 Scholarship Recipients**

Emily Geyman, Princeton University

"I am really grateful for the AEG scholarship funds, which helped make my fieldwork and research project last year possible." - Emily Geyman

Kimberly Moore, Kent State University

"I used the scholarship money you guys sent me to pay for Field Camp, my final requirement for graduation, thank you all so much! Field camp was so much fun and luckily I found a job right away working as a Wellsite Geologist for a company named Datalog Geological Services. It’s funny but graduation has had a major positive impact on my life and without the assistance I received from the AEG it would not have been possible. I am, and forever will be so grateful." - Michael Ferraro

Victor Garcia, University of Texas, El Paso

Michael Ferraro, Utah State

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**Tilford Fund Activities**

- **Tilford Fund Balance**

- **Tilford Fund Activities**

- **Tilford Fund Balance**
West-Gray Fund

Supports undergraduate and graduate geology students in the eastern half of the United States through scholarship grants.

2018 Scholarship Recipients

Benjamin Hedin, University of Pittsburgh

Luke Weidner, Michigan Technological University

"In Fall 2018 I started my graduate coursework at the Colorado School of Mines. I also work as a teaching assistant and research assistant. The research group I am a part of performs rock slope monitoring using lidar and photogrammetry. In particular I am looking at the use of machine learning to improve the interpretation of remote sensing data. I attended the European Geosciences Union conference in Vienna, Austria in April 2019, and spent the following summer working on my thesis research. This semester I finished my coursework, and I recently decided to switch to a PhD track instead of a Master's track, so I am planning on graduating in 2021 instead of 2020." - Luke Weidner
Financials

For audited financials, please see www.aegfoundation.org/about/minutesreports
Thank you!

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