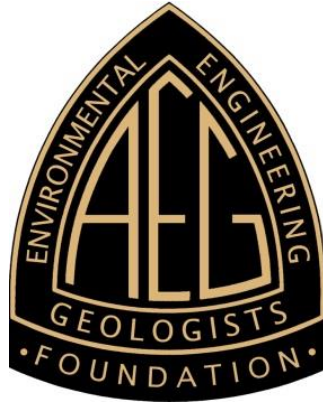


AEG FOUNDATION



CHARTER

NORMAN R. TILFORD FIELD STUDIES SCHOLARSHIP FUND

SUPPORTING FIELD STUDIES IN ENVIRONMENTAL AND ENGINEERING
GEOLOGY BY UNDERGRADUATE AND GRADUATE UNIVERSITY STUDENTS

**AEG FOUNDATION
4123 BROADWAY #817
OAKLAND, CA 94611**

**(510) 990-0059
EMAIL: STAFF@AEGFOUNDATION.ORG
WEB: WWW.AEGFOUNDATION.ORG**

THE PURPOSE OF AEG FOUNDATION FUND CHARTERS

An AEG Foundation Fund Charter is a document adopted by the Board of Directors. It describes (as applicable)

- the history of a fund,
- donor intent,
- the purposes for which the fund may and may not be used,
- the Board's goals for the fund,
- administrative operating criteria, and
- financial operating criteria.

A Fund Charter demonstrates the Board's commitment to prudent management of the Foundation's resources and compliance with applicable law and regulation. Within the framework of AEG Foundation governance, a Fund Charter is a policy document that may be amended or interpreted by the Board through a simple majority vote. A Fund Charter may refer to other documents that further describe the operations and nature of a fund. Formal Resolutions of the Board that apply to a particular fund will be attached to the Fund Charter as appendices.

This revision of the Charter for the Norman R. Tilford Field Studies Scholarship Fund was duly adopted by the Board of Directors of the AEG Foundation on February 29, 2012.

By:

William K. Smith, Secretary

FUND CHARTER

NORMAN R. TILFORD FIELD STUDIES SCHOLARSHIP FUND

The Tilford Fund of the AEG Foundation was established by the Foundation (then the Engineering Geology Foundation) in 1998 to create a scholarship fund that emphasized and supported field studies. The fund name honors the memory, work, and professional contributions of Norman R. Tilford, (1934-1997), a consultant, professor, past president of the Association of Engineering Geologists, and the Executive Director of the Association at the time of his death. Historical background of the Tilford Fund is provided in Appendix One to this Charter.

PURPOSE AND SCOPE

From the description in the 2005 AEG Directory: “This scholarship fund was established in 1998 in memory of Norman R. Tilford ...” This fund is distributed as grants awarded to graduate and undergraduate students in support of field studies. The awards are based on demonstrated scholarship, ability, participation, and the potential for contributions to the profession.”

In initially adopting this Fund Charter by motion at the AEG Foundation Board of Directors meeting on April 9-10, 2006, the Board stated the purpose and scope of the Tilford Fund as:

The Tilford Field Studies Scholarship Fund supports geologic field studies by students at the undergraduate and graduate levels. Recipients of grants will be designated as “Tilford Scholars.” Awards will be made by the AEG Foundation to outstanding students based on demonstrated ability, scholarship, potential for contributions to the profession, character, and activities in student/professional societies.

FUND ADMINISTRATION AND OPERATION

General Conditions

Grants from the Tilford Fund are intended to recognize and support deserving undergraduate or graduate geology students who are Student Members of the Association of Environmental & Engineering Geologists. The Tilford Fund does not support general and administrative (overhead) costs, technical or scientific consulting fees, or equipment purchase or maintenance costs of an educational institution employing or teaching individuals who receive grants from it.

Tilford Scholarship grants are not payment for services and are intended by the Foundation to be “qualified scholarships” as defined by the Internal Revenue Service. The AEG Foundation shall issue IRS Forms 1099 to scholarship recipients in accordance with IRS regulations. Recipients will be asked to provide the necessary information to complete the Form 1099 upon receipt of their grant. Recipients should consult their tax advisors regarding taxability of the grant.

In keeping with the Internal Revenue Code classification of the AEG Foundation as a 501(c)(3) charitable organization, the Foundation will not make grants supporting activities or publications that are designed to be used to influence political decisions or processes. The AEG Foundation Board of Directors will make, in its sole discretion, all decisions regarding disbursement of grants from the Tilford Fund, acceptance of donor conditions on gifts, and fund management.

In applying for a grant from the AEG Foundation, the grant applicant agrees to abide by the terms of the Grant Application and Agreement, and to

- use the funds received from the AEG Foundation for the proposed use
- use the funds in accordance with applicable law and regulation
- avoid activities in the use of the funds that would jeopardize the AEG Foundation’s tax-exempt status,
- provide the Foundation with a brief written report on the research sponsored by the grant (suitable for publication in the AEG News), and
- maintain student membership in the Association of Environmental & Engineering Geologists during the life of the grant.

Application Review

Applications are reviewed by a Selection Committee. The chair of the Selection committee shall be approved by the AEG Foundation Board of Directors. Awards will be made based on demonstrated ability, scholarship, potential for contributions to the profession, character, and activities in student/professional societies. The Application Form, available on the AEG Foundation web site, provides full instructions. All decisions of the Committee are final. The Committee may recommend no award if it chooses.

Management Protocols for the Tilford Fund

Prior to the adoption of this Fund Charter, the Foundation Board initially agreed for start-up purposes that only the earnings from the invested corpus of the Tilford Fund would be used to fund awards. Later, the Foundation Board accepted donor-designated time-limited and purpose-limited donations for current use to fund awards if the available earnings were not sufficient to fund all the scheduled awards.

Recognizing the value of structured management of the funds, the Board adopted this Fund Charter and protocols for the management of Tilford Fund assets by a motion approved at its April 9-10, 2006, meeting. Accounting terminology used in this Charter is intended to conform to Accounting Standards Codification (ASC).

The fund management protocols represent a desire by the Board to achieve long-term stability in the administration of the Foundation's assets and uniformity in the administration of its scholarship funds and programs. The objective of protecting certain funds from invasion is supported by implementing Board-Designated Set-Asides as the fund balance grows.

Tilford Fund Management Protocols

1. Unless otherwise specified by the donor, contributions to the Tilford Fund are classified as Temporarily Restricted Net Assets in accordance with Accounting Standard Codification (ASC) until such contributions are expended for purposes consistent with this Charter. Earnings from contributions are classified as Unrestricted Net Assets, unless otherwise specified by the donor. The Fund may accept contributions with time or purpose limits consistent with this Charter. The Foundation's gift acceptance policy will apply. The Board may from time to time reclassify assets of the Fund in accordance with ASC, consistent with donor intent.
2. Identifiable costs directly related to the operation of the Tilford Fund may be expensed to the Fund.
3. The Board may assess an operational support fee to assist in funding the Foundation's general administrative and fundraising functions.
4. The Board will at least annually review the Tilford Fund balance and its allocation, giving consideration to establishing or changing Board-designated set-asides.

GOALS ADOPTED BY THE BOARD OF DIRECTORS

Long-Term Use of the Tilford Fund

The Board believes that the Tilford Fund Purpose and Scope made a part of this Fund Charter are consistent with the Foundation's mission and authority. The Board believes that the Tilford Scholarship Awards occupy a special niche by their emphasis on field geology, the essential core skill in applying geology to human endeavor.

At the time of this revision to the Charter, the annual Tilford scholarship awards consist of 1) \$1000 to an undergraduate student, 2) \$1500 to a Master's candidate, and 3) \$1500 to a doctoral candidate.

The Board may consider increasing the value of the awards if sufficient funding develops. These opportunities exceed the support level available from the present fund balance.

Fund Balance Goals

The Board sets the long-term funding goal for the Tilford Fund at \$100,000. For fund development purposes, this goal is divided into \$25,000 increments.

SCHEDULE FOR REVIEW OF CHARTER, FUND OPERATIONS, AND GOALS

The Board may maintain this charter unchanged or make revisions at any time. This Fund Charter shall be reviewed by the Board of Directors at least every five years on a schedule to be determined by the Board. The Programs Committee shall prepare a review report with recommendations for consideration by the Board at that time.

APPENDIX ONE FUND HISTORY

From the Foundation Board Minutes of 18 December 1997: *“Ivey discussed a proposal by Susan Steele Weir that a special scholarship fund be established in memory of Norman Tilford. Steele Weir has been in contact with Deborah Green-Tilford [Norman’s widow] requesting any contributions in the memory of Tilford be applied for educational purposes. The Board concurred that a scholarship in his name be established either as a one-time item or continuing as appropriate depending on amount of contributions.”*

From Board Minutes 20 May 1999: *“Tilford Scholarship: ...The Board agreed that the rules of this award should prohibit exceeding the interest available from the principal and permit a modest increase in principal to account for inflation.”*

From Board Minutes 27 September 1999: *“Tilford Scholarship: At present about \$27,000.00 are available.... The goal of the Tilford Scholarship committee is to raise about \$45,000.00.... Only the interest would be available for the scholarships.... The scholarships are to be used primarily for student field work, in accordance with the philosophy of the late Norman Tilford.”*

The Foundation’s fund-raising literature does not make (and has not made) a promise that a donation to the Tilford Fund, absent specifically stated donor intent, will be treated as “restricted” in any way or that some specific percentage of the donation will be retained as an “endowment” in that named fund.

It could be said that the Foundation board in 1999 agreed to treat donations to the Tilford Fund as Permanently Restricted in SFAS 117 terms, although the Board did not adopt Statement of Financial Accounting Standards No. 117 as the basis of Foundation accounting until 2006. Through April 8, 2006, the Board was unaware of SFAS 117 and its nomenclature and standards. The intent of the Board of 1999 to protect net assets from invasion was stated in the only terms familiar to the Board, without knowledge of the options offered by applicable accounting standards. This obligation can be met by classifying the donations through May 26, 2006, as Temporarily Restricted Net Assets and treating the total as a Board-Designated Set-Aside. In fact, donors made donations with no stated restrictions, and none of record specifically stipulated that their donations were restricted in the SFAS 117 sense of Permanently Restricted. From the standpoint of future operational flexibility, a more convenient protocol would be to classify all donations as Temporarily Restricted (unless the donor clearly stipulates a different classification), and then to use the mechanism of Board-Designated Set-Asides from time to time to provide additional emphasis on using only the earnings from certain pools of invested funds.

APPENDIX TWO BIOGRAPHICAL INFORMATION

(From an obituary)

Norman Ross Tilford, professor of geology at Texas A&M University and Executive Director of the Association of Engineering Geologists (AEG), died in an airplane accident on Nov. 13, 1997, while flying his Cessna 180 from College Station, Texas. Tilford, who was 62 years old, joined Texas A&M in 1985 with 30 years of international geology experience.

Professor Tilford was en route Nov. 13 to Van Horn, Texas, where he was meeting his students for a field trip. They reported him missing on Nov. 14. Intense searching by the Civil Air Patrol proved unsuccessful, but two hunters found the plane's wreckage on Dec. 13 in a densely wooded area about nine miles west of Johnson City, Texas. Tilford apparently died on impact.

"We have lost a good friend and colleague," says Christopher Mathewson, who is also a professor of geology at Texas A&M. "The engineering geology profession has lost a dedicated servant, Texas A&M University has lost a great teacher, and the Association of Engineering Geologists has lost an outstanding leader."

Tilford was born in Moscow, Kan., On Dec. 14, 1934. He started his engineering geology career working on foundation geology with the U.S. Army Corps of Engineers in Los Angeles. Subsequently, he worked in West Pakistan for the Harza Engineering Company. After he earned his master's degree in geology from Arizona State University in 1966, he worked for the Philadelphia Port Corp. and then joined Ebasco Services Inc. in 1969. Tilford was the company's head geologist when it constructed the Keban Dam in Turkey, one of the largest dams in the world at that time. Beginning in 1975, he served as Ebasco's chief geologist and traveled throughout the United States and the world as a consulting geologist.

As a Texas A&M professor, Tilford was known for his incorporation of real life situations into his classroom teaching and on field trips, Mathewson says. Tilford focused on active tectonics, water resources development, evaluation of geological hazards, and site selection studies.

He was a member of several associations and was particularly active in the Earthquake Engineering Research Institute, the U.S. Committee on Large Dams, and AEG. He was a past President of AEG (1986), editor of the *Bulletin* and *Environmental & Engineering Geoscience* (1987-97), and was AEG's Executive Director since June 1997. AEG awarded him the Floyd T. Johnston Service Award in 1992.

**APPENDIX THREE
TILFORD SCHOLARS**

- 2001 Cal Ruleman, Montana State University, Graduate
Bonnie Phillips, Texas A&M University, Undergraduate
- 2002 Paula Jo Lemonds, Colorado School of Mines, Graduate
Paul J. Moore, III, Mississippi State University, Undergraduate
- 2003 Heidi Sieverding, South Dakota School of Mines and Technology, Graduate
- 2004 Kathy Troost, University of Washington, Graduate
Shelly Zaragoza, University of Nevada Las Vegas, Undergraduate
- 2005 Conor Watkins, University of Missouri—Rolla, Graduate
Stephanie Mrozek, University of Nevada Las Vegas, Undergraduate
- 2006 Joseph Kula, University of Nevada Las Vegas, Ph.D.
Nichole Wendlandt, Kent State University, Masters
Jennifer Wright, University of Nevada Las Vegas, Undergraduate
- 2007 Christopher Hein, Boston University, Ph.D.
Scott Braunstein, Portland State University, Masters
Shaina M. Forsythe, University of California Los Angeles, Undergraduate
- 2008 Theresa Poruznick, University of Massachusetts—Amherst, Masters
Tyler Benton, Colorado School of Mines, Undergraduate
- 2009 Stephanie Watts, University of Nevada—Reno, Ph.D.
Anna Brody, California State University—Fresno, Masters
Anna Perry, University of Nevada—Reno, Undergraduate
- 2010 Nathaniel Swanson, Colorado School of Mines, Masters
Carrie Frisky, Kent State University, Undergraduate
- 2011 Christopher Madden, Oregon State University, Ph.D.
Evan Keffler, University of Nevada—Reno, Masters
Jeremiah Bihl, Angelo State University, Undergraduate
- 2012 Matthew Burnette, North Carolina State University, Masters
Na Hyung (Stacey) Choi, Undergraduate
Jerome Varriale, Stony Brook University, Undergraduate

TILFORD SCHOLARS--Continued

- 2013 Lauren Schaefer, Michigan Technological University, Ph.D.
Michael McLain, Colorado School of Mines, Masters
Shelby Jones, California State University—Fresno, Undergraduate
- 2014 Elizabeth Joy Olson, Northern Illinois University, Ph.D.
Sebastian Durringer, Kent State University, Masters
Julia Corbett Howe, Florida State University, Undergraduate
- 2015 David Korte, Kent State University, PhD
Annette Patton, Colorado State University, Masters
Sara Fischer, Indiana University - Purdue University, Undergraduate
- 2016 Matthew Thomas Dorsey, San Diego State University, Masters
Anna Katharina Schuh, University of Arizona, Undergraduate
Emily Penolope Anderson-Merritt, University of California Davis, Undergraduate
- 2017 Johanna Eidmann, Colorado State University, Graduate
Erin Lathrop, Utah State University, Graduate
Amy Plechacek, Virginia Tech University, Undergraduate
Anna Stanczyk, University of Alaska, Anchorage, Undergraduate
- 2018 Victor Garcia, University of Texas at El Paso, PhD
Kimberly Moore, University of Missouri, Masters
Emily Geyman, Princeton University, Undergraduate
Michael Ferraro, Utah State University

APPENDIX FOUR BOARD RESOLUTIONS AND MOTIONS

- 04/09/2006 Original Fund Charter approved by AEG Foundation Board of Directors.
- 04/09/2011 Selection Committee chair to be approved by Board of Directors.
Charter review schedule changed to at least every five years.
- 02/29/2012 Changes to fund management protocols.
- 05/15/2018 Updated recipient names and universities