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On December 30, 1993, the Oklahoma City Geological Foundation was issued a Non-Profit Certificate of Incorporation by the State of Oklahoma. Finally, on May 17, 1994, the Internal Revenue Service approved the Foundation as a 501 (c) (3) organization. David Campbell was President, Louis Ford, Vice President and Dennis Smith, Secretary/Treasurer. The first donation to the Foundation was made in September 1994, with total net assets of the Foundation being \$1,464 at year end. At that time, the

Foundation had three officers and three directors. In December 2013, the Oklahoma City Geological Foundation changed its name to the Oklahoma Geological Foundation, reflecting its impact on the state of Oklahoma, not just Oklahoma City. A lot has changed since 1993, and those changes are evident as the Directors of the Oklahoma Geological Foundation proudly discuss the growth and accomplishments of the Foundation in this 2019 Annual Report.

Twenty-five years later, the Oklahoma Geological Foundation has grown to be a consistent resource for teachers, students, and schools throughout Oklahoma for Earth Science education. Whether it's funding for an interactive flat panel Smartboard and a Chromecast Ultra, or thirty Chrome Books for a classroom, or providing a museum quality Rock, Mineral, and Fossil Collection to a school in Northwest Oklahoma, or funding a teacher workshop for Oklahoma school teachers, the Oklahoma Geological Foundation has been a driving force to provide Earth Science educational resources to Oklahoma students, teachers, and schools.

The Foundation continues to develop one of its major programs, EveryDay Earth. This STEM Program provides funding to develop teaching videos to assist teachers and student's in Earth Science education and technology concepts in the schools and online. An expanded description of this Program and others, including the Rock, Mineral, and Fossil Collection, are included in the Annual Report.

The Foundation continues to stress the importance of the number of students and teachers directly impacted by the Foundation's many Programs and Grants. In the last ten years, the Foundation has funded over 340 grants, scholarships and awards to Oklahoma students, teachers, and schools. This includes over 190 field camp grants, as well as ten Earth Science workshops for approximately 450 teachers. In addition, the Foundation, as of December 31, 2019 has distributed 149 Rock, Mineral, and Fossil Collections to schools throughout Oklahoma. According to teacher surveys, these Collections have impacted over 75,000 students, 1,400 teachers, and 200 schools. Over \$1,130,000 have been expended by the Foundation to support these Earth Science accomplishments, programs, and endeavors.

"In the last ten years, the Foundation has funded over 340 grants, scholarships and awards to Oklahoma students, teachers, and schools. This includes over 190 field camp grants, as well as ten Earth Science workshops for approximately 450 teachers."

In addition to providing funds for projects and grants, the Foundation and many of the Directors continue to be involved in promoting Earth Science education hands-on, working directly with schools, science fairs (such as the Putnam City school science fair), and other educational events. Working with the Property Task Force Team of the Girl Scouts Western Oklahoma, the Foundation funded and helped develop a Rock, Mineral, and Fossil Display at Girl Scout Camp Trivera, their new STEM facility. The Foundation will assist in the design of a rock wall, incorporating fossils and the geologic timescale at Camp Trivera. Many of the Directors continue to visit schools to help assist teachers with Earth Science lesson plans, as well as delivering Rock, Mineral, and Fossil Collections in Oklahoma. Most of the Directors who deliver the Collections end up staying an extra three to four hours speaking to the students about the museum quality specimens in the Collections. Foundation Directors also participated in the MVP STEM Program at the Bricktown Ballpark.

In the fall of 2019, the Foundation Directors welcomed a new member and saw one of its Directors retire. Herb Martin, who recently retired from Devon Energy, enthusiastically joined the Board and he brings a broad range of experience and a deep appreciation of Earth Science education. Jason Hamilton, Chair of the Grant, Scholarship, and Awards Committee respectfully retired from the Board in 2019. Jason joined the Board in 2006 and was responsible for the distribution of many of the 340 Grants that have been funded by the Foundation. Herb Martin graciously accepted the responsibility being Chair of the Grant, Scholarship, and Awards Committee.

Like many Foundations, the Oklahoma Geological Foundation continues to face numerous challenges relating to asset growth, balancing teacher requests for funding, and operating in a changing economic environment. The Directors continue to work very diligently towards growing and managing the Foundation's assets and investments, while strictly adhering to the Foundation's investment policy to ensure confidence among our donors. The 2019 Financial Report, as presented in the Annual Report, illustrates the conservative growth and stability of the Foundation, assuring the success of current and future endeavors and Programs.

With success and twenty-five years under its belt, change is inevitable for the Foundation. One element of the Foundation that has not changed is YOU. Since 1993, you have been incredibly generous with your contributions and gifts, gifts that have expanded Earth Science Education in schools throughout Oklahoma. The Foundation's donors have allowed the Foundation to fund many wonderful programs, distribute Grants and Scholarships to deserving students and teachers and literally turn student's dreams into realities.

A teacher from Valliant Elementary school, after she had received one of the Rock, Mineral and Fossil Collections, wrote an e-mail to one of the Directors, "Thank you so much! We truly appreciate you coming so far. They (the students) have been THRILLED!! We had a Parent/Teacher Conference today and we set them out so the kids could show them off. The collection is TRULY a blessing!"

The Directors deeply appreciate each and every donor who has made one or multiple gifts. The part you play in the success of the Foundation is extremely important and your commitment to support the many students and teachers across Oklahoma cannot be overstated. YOU, as a donor and supporter of the Foundation, are TRULY a blessing! The 2019 Annual Report is dedicated to your generosity, passion, and commitment to the Foundation's mission and vision.



#### OKLAHOMA GEOLOGICAL FOUNDATION

## "VISION FOR THE FUTURE"

In 1993, a group of Oklahoma geologists had the foresight and desire to promote the Earth Sciences within the Oklahoma school systems. Since 1996, the Oklahoma Geological Foundation has been an instrumental source of funding that directly benefits many Earth Science programs. From the beginning, the Oklahoma Geological Foundation has annually funded grants to elementary, middle, and high schools to actively promote numerous programs in support of Earth Science teachers and their educational institutions. In addition, the Foundation awards yearly scholarships to students enrolled in undergraduate and graduate Geoscience programs in colleges and universities in Oklahoma.

The Foundation Directors are fully committed to providing the Geoscience educational needs for teachers and institutions in Oklahoma. Other support goes to public education and awareness which fosters an environmental understanding of the importance to society of Geoscience and Geoscientists in a thriving Petroleum Industry.

The Oklahoma Geological Foundation continues to grow, and currently as listed below with dates of inception, the Foundation has established twenty-five programs, each of which are available to encourage the participation in the Earth Sciences.

- 1). The Frederick H. & Lois M. Kate Award (2006)
- 2). The Suzanne Takken Memorial Award (2006)
- 3). The Beth Cronin Elementary School Program (2006)
- 4). Kenneth Stewart Cronin Lecture Series Program (2006)
- 5). OGF Excellence in Earth Science Education Awards Program (2006)
- 6). The Frederick H. & Lois M. Kate EESE Award (2006)
- 7). Herbert G. & Shirley A. Davis OSU Geology Scholarship Program (2007)
- 8). The John Gatchell Earth Science Teaching Program (2008)
- 10). Oklahoma Geological Foundation Personalized Scholarship Program (2009)
- 11). The Charles E. Branham Geological Library Program (2010)
- 12). Oklahoma Geological Foundation Non-Directed Funds (2010)
- 13). The OGF Summer Field Camp Grants Program (2011)
- 14). Oklahoma Geological Foundation High School Grant (2011)
- 15). Oklahoma Geological Foundation Middle School Grant (2011)
- 16). Oklahoma Geological Foundation Elementary School Grant (2011)
- 17). Lance Ruffel & OGF Innovations in Earth Science Education (2012)
- 18). Shirley A. Davis Program for Earth Science Education (2013)
- 19). Frederick M. Black Summer Field Camp Grant (2013)
- 20). William A. Clement Earth Science for Guthrie Middle & High Schools (2014)
- 21). Oklahoma Geological Foundation Graduate Fellowship Award (2014)
- 22). Robert W. & Jo Ann Waring Memorial Scholarship Program (2015)
- 23). The Oklahoma Geological Foundation STEM Program (2017)
- 24). Larry Lunardi & The OGF's Rock, Mineral & Fossil Collection Program (2018)
- 25). David G. Campbell & The OGF's Native American Scholarship Program (2018)



"To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks a real advance in science."

Albert Einstein- 1879 - 1955

**Since inception,** the Mission of the Oklahoma Geological Foundation has been to implement a model of "Excellence in Earth Science Education." With the help and support of the Foundation, this model challenges students and teachers to make Earth Science education a priority. The Foundation's "Mission" or "Vision of the Future" is divided into the following Directives:

- 1). Help in the motivation and support of Earth Science students who attend elementary, middle, and high schools within Oklahoma by providing financial resources for the Geological and Earth Science curricula.
- 2). Promote and grant monetary support for teachers and schools throughout Oklahoma that maintain a program in the Geological Sciences.
- 3). Facilitate and aid financially those students who: (a) attend colleges and universities in Oklahoma and major in the Geological Sciences, with the goal of obtaining undergraduate or graduate degrees in those fields of study, and (b) students who plan to pursue a career in the Earth Sciences.
- 4). Advocate and provide funding for worthy, scientific endeavors that are conducted by other organizations that promote the Geological Sciences in Oklahoma.
- 5). Acknowledge and honor certain Professionals that are employed in businesses affiliated with the Geological Sciences, and who have made or continue to make significant contributions to their profession and communities.



#### Since December 1993,

the Oklahoma Geological Foundation has been a major Supporter of Earth Science education and the Science, Technology, Engineering, and Mathematics, (STEM) Outreach Program in Oklahoma.

Some of the Foundation's existing STEM Outreach Programs include:

- An Earth Science related teacher program called "More! Rocks in Your Head"
- The distribution of Rock, Mineral, & Fossil Collections to Oklahoma schools
- Foundation Annual Awards banquets honoring teachers, students, & schools
- Educational banquets recognizing Oklahoma's Legends in the Petroleum Industry
- EveryDay Earth

"Science is fun. Science is curiosity.

We all have a natural curiosity.

Science is a process of investigating.

It is posing questions and

coming up with a method."

Sally Ride (NASA Astronaut) 1955 - 2012

# THE EVERYDAY EARTH & STEM OUTREACH PROGRAM

The EveryDay Earth Program was established in mid-2017 by the Oklahoma Geological Foundation as a joint venture with Esteem Interactive Learning (a non-profit media production company) and other Sponsoring Partners, to provide Earth Science education material in an entertaining online format that students will enjoy. It is presented as a light comedic narrative that filters in multiple lessons for the students to explore certain aspects of the Earth's hydrosphere, geosphere, biosphere, and atmosphere. This is accomplished by using Oklahoma and other nearby localities as the backdrop scenery for the study of the Earth Sciences. The Program contains an accumulation of videos and interactive lessons allowing students to participate in scientific investigations onscreen as they follow a simple storyline narrative that keeps the students engaged.

The Program will consist of ten stand-alone Missions with each Mission being an impactful product delivered free of charge to sponsored schools. The first two Missions are currently online in which the students are able to investigate the Hydrosphere (hydrologic cycle), and Weathering and Erosion (water's role in modifying the Earth's surface). Missions 3 and 4 will study the Rock Cycles and should be ready by late 2020 and early 2021. The EveryDay Earth Program is designed to be used as self-directed learning, as a teacher-led experience, or by parents of homeschooled children.

The target audience for EveryDay Earth is 4th through 8th grade students and it follows the Next Generation Science Standards, as well as the Oklahoma Academic Standards for Science. The Oklahoma Geological Foundation along with other supporting partners, are currently providing funds for the development of this STEM based program. Other supporting partners include the Jerome Westheimer Family Foundation, Devon Energy, Chesapeake Energy, Echo Energy, the University of Oklahoma Department of Geosciences, Halliburton, the Pick and Hammer Club, and the Directors of the Foundation.

"My daughters and I just finished our first lesson. It is such a fun way to learn. After the lesson, my 8-year-old daughter said, "this is the best science lesson I ever had!" Thank you for sharing this knowledge with us struggling home teachers. So happy to have found this hidden gem."

Eddie (homeschooler Dad)

### SUPPORTING EARTH SCIENCE EDUCATION FOR OKLAHOMA SCHOOLS, TEACHERS, AND STUDENTS

The Oklahoma Geological Foundation is extremely proud of the number of students and teachers directly impacted by the Foundation's many Programs and Grants. When a teacher or educational facility applies for funding, the Foundation formally asks the applicant for an estimate on the number of students that are affected as well as how many teachers are involved. The numbers given to the Foundation are remarkable.

#### **ROCK, MINERAL, & FOSSIL COLLECTIONS**

One Foundation initiative that has had an incredible influence on students and teachers throughout Oklahoma, is the Rock, Mineral, and Fossil Collection Program.

In April 2015, the Foundation, under the direction and leadership of Larry Lunardi, developed a program to supplement Mr. Lunardi's middle school Earth Science teaching model. Mr. Lunardi volunteers his time to assist instructors as they teach Earth Science education to their students. This Program provides a diverse collection of museum quality rocks, minerals, and fossils to Oklahoma based schools to supplement their Earth Science education program. These collections allow the instructors the ability to teach the Earth Sciences with actual rocks, minerals, and fossils, which is a direct learning benefit for the students. As of December 31, 2019, the Foundation has distributed 149 collections which has had a direct effect on approximately 75,000 students and involving over 1,400 teachers!

As stated earlier, these numbers are provided to the Foundation by the teachers who have requested and received these Collections.

#### UNIVERSITY GEOLOGY FIELD CAMPS

Since 2014, the Foundation has provided funding for 150 college level students to attend summer geology field camps. These students have been selected from Oklahoma State University, University of Oklahoma, and Tulsa University. A total of \$115,000 has been distributed to students attending Geology Field Camp since inception of the Program.

#### **OKLAHOMA TEACHER WORKSHOPS**

Annually, since 2011, the Oklahoma Geological Foundation has sponsored and participated in a full-day workshop for Earth Science teachers, called: "More! Rocks in Your Head." This hands-on seminar is taught by Richard Opalka, a geologist and Earth Science teacher at Edmond North High School. The

"Approximately 380 Earth Science teachers have participated in a total of nine workshops over the past eight years."

course covers a full scope of Earth Science topics and teaching method skills for the teachers to take back to the classroom, making Earth Science a fun and memorable experience for their students.

Topics covered include environmental processes, rock formation, mineral identification, geologic landforms, mapping and fossil fuel formation.

One previous participating teacher stated on the course evaluation form, "I have taught for 25 years. This is the best (most informative) workshop I have ever attended. I can go back to my school and use everything." Another teacher wrote, "this has been

one of the best workshops I have been to. The information will be used in my classroom."

Approximately 450 Earth Science teachers have participated in a total of ten workshops over the past eight years.

### SAINT ELIZABETH ANN SETON CATHOLIC SCHOOL

Saint Elizabeth Ann Seton Catholic School in Edmond, Oklahoma opened a state-of-the-art science laboratory in the fall of 2006 in order to facilitate the teaching of pre-K through 8th grade Earth Science Education. Since 2007, the Oklahoma Geological Foundation has funded various Grants to help supply equipment for the lab and to establish a first-class Earth Science Program. This facility is used in the education of approximately 450 students annually. The entire 7th grade year is solely dedicated to the study of the Earth Sciences. To date, the Foundation has funded Grants totaling over \$70,000 to the school. Funding is primarily through the Beth Cronin Elementary School Endowment Program. A Grant of \$6,380 was distributed in 2019 for the purchase of twenty Chromebooks and twenty Google Education Management Console Apps to continue the school's advancement of technology in teaching Earth Science education.

#### **GUTHRIE HIGH SCHOOL**

The Oklahoma Geological Foundation has been providing Grants to the Guthrie High School system since 2014. Funds from these Grants have been used to purchase school supplies, laboratory equipment, textbooks, Chromebooks, charging cart for storage, and Earth Science demonstration models to expand the Earth Science classes. In 2019, the Foundation provided a Grant of \$3,875 to purchase lab equipment, demos, and lab kits for the Earth and Environment Science

## Since 2012, the Oklahoma Geological Foundation has provided funds totalling over \$52,000 to the Geoscience Center.



class. Funding for this Grant is primarily through the William A. Clement Guthrie Schools Grant.

#### **TULSA GEOSCIENCE CENTER**

The Tulsa Geoscience Center is a project developed by the Energy American Educational Institute and has been in existence for twelve years. The Oklahoma Geological Foundation has supported the Center since 2012. The Center is an active alliance and is one of only eight teaching facilities accredited by the Oklahoma Energy Resources Board (OERB).

The Geoscience Center's mission is to show students how fun and interesting the Geosciences are and to encourage these students to continue with STEM education and pursue STEM careers. The Center provides field trips for schools and other educational organizations, has museum-quality exhibits donated by local geologists, and unlike other museums, everything at the Center is hands-on and exciting.

Each visiting class is divided into groups of twelve to eighteen students. An OERB Director or volunteer with geological training, guides each student group with their teachers to various stations. At each station, they learn about rocks, minerals, and fossils, as well as dinosaurs, earthquakes, tsunamis, natural fluorescence, and fossil fuels. Each student can make their own fossil cast and assemble a rock, mineral, and fossil kit to take home. The Center is one-of-a-kind in Oklahoma, with STEM and Earth Science education as its core Mission.

Historically, over 5,500 students, educators, and teachers visit the Geoscience Center annually. This number includes "at risk" students and members of the various Scout groups. Primarily, the Center targets K-6th grades, but all educational levels visit the Center, which continues to grow each year.

Since 2012, the Oklahoma Geological Foundation has provided funds totaling over \$52,000 to the Tulsa Geoscience Center with \$6,072 being granted in 2019 to support various operating costs.

# THE LARRY LUNARDI AND THE OKLAHOMA GEOLOGICAL FOUNDATION ROCK, MINERAL, AND FOSSIL COLLECTION PROGRAM

In April 2015, the Oklahoma Geological Foundation, along with OGF Director Larry Lunardi began assembling and distributing permanent, on-site collections of museum quality rocks, minerals, and fossils for educational institutions located in Oklahoma. The positive comments from students and teachers have been incredible. As a result, in 2018, the Larry Lunardi & the Oklahoma Geological Foundation's Rock, Mineral, and Fossil Collection Program was officially established.

As of December 31, 2019, the Foundation has distributed a total of 149 Collections to Oklahoma schools. There is a list of twenty schools waiting to receive a Collection. Schools that apply for these Rock, Mineral, and Fossil Collections are asked how many students and teachers use the Collections. To date and based on the teacher's responses, it is estimated that over 75,000 students and 1,400 teachers have been impacted from the Collections that have been donated to the respective schools in Oklahoma.

The Foundation currently provides funding of these Collections through the Rock, Mineral, and Fossil Collection Program.

"Thank you, Oklahoma Geological Foundation for the amazing rocks!
My favorite was the 380 m.y.a. trilobite. V hope other schools share
such an awesome experience."





# THE DAVID G. CAMPBELL AND THE OKLAHOMA GEOLOGICAL FOUNDATION NATIVE AMERICAN SCHOLARSHIP PROGRAM



**David Campbell** 

The David G. Campbell Native American Scholarship Program was established in 2018 by David G. Campbell and the Oklahoma Geological Foundation.

As a Founding Director of the original incorporated Oklahoma City Geological Foundation, Dave Campbell has been instrumental in his support for the Foundation for over 25 years. Because of his sincere dedication, Dave received the Oklahoma Geological Foundation's Living Legend Award in 2010.

Dave Campbell is an honorable and proud Native American who is a long-time supporter of the annual Red Earth Festival in Oklahoma City. Mr. Campbell served as President of the Elders Council of the Red Earth Indian Center, from which he received the Spirit Award in 1999. Most notably, he is a recipient of the Oklahoma Governor's Arts Award for his dedication to community services.

This Program will help establish educational scholarships for those Native American students who desire to further their studies in the Earth Science curricula.

"Earth and sky, woods and fields, lakes and rivers, the mountains and the sea, are excellent schoolmasters and teach some of us more than we can ever learn from books."

John Lubbock - 1834 - 1913 Each year, the Oklahoma Geological Foundation conducts the "Annual Awards Banquet" to honor and give recognition to deserving students, teachers, and educational institutions by providing Grants, Scholarships, and Awards. From throughout Oklahoma, students, teachers, and their families are invited to attend the banquet. This reception continues to grow each year as students and teachers are presented their respective Grants and Awards. During this time, the recipients and their families are able to meet casually with the Foundation's Directors and Donors along with other peers from various educational facilities.

In 2017, The Foundation provided \$135,538 in funding for Grants, Awards, and Scholarships.

In 2018, the Foundation provided \$102,721 in funding for Grants, Awards, and Scholarships.

"Touch a scientist and you touch a child"

Ray Bradbury 1920 - 2012

THE FOLLOWING IS A SUMMARY OF THE \$251,148 FUNDS DISTRIBUTED IN 2019:

# THE OKLAHOMA GEOLOGICAL FOUNDATION ANNUAL AWARDS BANQUET

Frederic H. and Lois M. Kate Endowment Fellowship	\$ 6,000
Oklahoma Geological Foundation Graduate Fellowship	\$ 6,000
Suzanne Takken Memorial Fellowship	\$ 6,000
Herbert G. and Shirley A. Davis OSU Geology Fellowships (2 @ \$2,500 each)	\$ 5,000
Frederick M. Black Field Camp Grants (3 @ \$2,000 each)	\$ 6,000
OGF Summer Field Camp Grants	\$ 17,000
Beth Cronin Elementary School Endowment (St. Elizabeth)	\$ 6,380
OGF Excellence in Earth Science Education	\$ 6,648
OGF Support Grant: Girl Scouts of Western Oklahoma	\$ 2,000
William A. Clement Guthrie Schools Grant	\$ 3,875
OGF & Lance Ruffel Innovations in Earth Science	\$ 8,000
OGF & Larry Lunardi Rock, Mineral, & Fossil Collections	\$ 9,000
Charles E. Branham Library Grant: Oklahoma Geology Survey	\$ 3,645
Robert W. & Jo Ann Waring Memorial Scholarship	\$ 3,000
Shirley A. Davis Earth Science Education Grant	\$ 600
John Gatchell Earth Science Teaching Grant	\$ 435
Oklahoma Geological Foundation STEM Program	\$ 135,100
OGF Non-Directed Grant: Tulsa Geoscience Center	\$ 6,072
OGF Non-Directed Grant: Oklahoma Schools	\$ 9,000
Oklahoma Geological Foundation Middle School Grants	\$ 2,793
Oklahoma Geological Foundation High School Grants	\$ 3,500
OGF & The Philip Boyle Foundation Grant: Stuart Public School	\$ 5,100

## **THANK YOU**

FOR SUPPORTING THE FOUNDATION'S MANY EDUCATIONAL INITIATIVES!

### OKLAHOMA GEOLOGICAL FOUNDATION

**GRANTS, SCHOLARSHIPS, & AWARDS** 

#### HERBERT G. & SHIRLEY A. DAVIS OKLAHOMA STATE UNIVERSITY GEOLOGY SCHOLARSHIP: (\$5,000)

RECIPIENT: JOHN M. CLYMER Oklahoma State University

Thesis: "Trace Metal Analysis of the Devonian Cleveland Shale of Eastern Kentucky".

RECIPIENT: RICHARD MILLER Oklahoma State University

Thesis: "Delineating Trends and Depositional Environments of Pennsylvanian Sandstones in South Garvin County, Oklahoma".

## THE FREDERICK H. & LOIS M. KATE AWARD: (\$6,000)

RECIPIENT: ZACHERY TUNIN Oklahoma State University

Thesis: *U-Pb Detrital Zircon Geochronology and Provenance Analysis of the Red Fork Sandstone within the Anadarko Basin, Custer and Blaine County, Oklahoma."* 

## BETH CRONIN ELEMENTARY SCHOOL PROGRAM: (\$6,380)

RECIPIENT: ST. ELIZABETH ANN SETON CATHOLIC SCHOOL, EDMOND

Grant: Grant awarded for purchase of twenty Dell Chromebooks and twenty Google Educational Management Console apps to continue the school's advancement of technology in teaching earth science education

# THE OKLAHOMA GEOLOGICAL FOUNDATION EXCELLENCE IN EARTH SCIENCE EDUCATION AWARDS PROGRAM: (\$6,648)

**RECIPIENT: ROSE STATE COLLEGE, MIDWEST CITY** 

Grant: Proceeds of Grant used to purchase two microscopes for their science lab and Mineralogy program, thin sections and molecule models

# THE OKLAHOMA GEOLOGICAL FOUNDATION ELEMENTARY SCHOOL GRANT: (\$2,000)

RECIPIENT: GIRL SCOUTS WESTERN OKLAHOMA, OKLAHOMA CITY

Grant: Grant used to purchase a Rocks, Minerals, & Fossils Collection for Camp Trivera, a new Girl Scouts camp being built in Oklahoma. The Collection will be used in the STEM programs that will be taught at the Camp and will also be displayed in the new facility.

### THE SUZANNE TAKKEN MEMORIAL AWARD: (\$6,000)

RECIPIENT: JING ZHANG University of Oklahoma

Thesis: "Multiscale Natural Fracture Characterization and Prediction Workflow of Unconventional Shales".

# THE OKLAHOMA GEOLOGICAL FOUNDATION SUMMER FIELD CAMP GRANT: (\$17,000)

RECIPIENTS: GRANTS WERE GIVEN TO SEVENTEEN STUDENTS FROM OKLAHOMA STATE UNIVERSITY, UNIVERSITY OF OKLAHOMA, AND THE UNIVERSITY OF TULSA. These grants totaled \$17,000 and are awarded to students who are going to be attending summer field camps.

Grant: Funds awarded to undergraduate geology students to supplement 2019 Summer Field Camp expenses.

# THE OKLAHOMA GEOLOGICAL FOUNDATION HIGH SCHOOL GRANT: (\$3,500)

RECIPIENTS: ELEMENTARY, MIDDLE & HIGH SCHOOL EARTH SCIENCE TEACHERS FROM SCHOOLS THROUGHOUT OKLAHOMA.

The workshop "More! Rocks in Your Head" was held Oklahoma City, on the campus of Chesapeake Energy. Over 40 teachers participated in the workshop.

Grant: Proceeds of Grant used to sponsor a full-day Earth Science workshop, titled:" More! Rocks in Your Head." This is a nationally acclaimed, hands-on workshop, covering a full scope of Earth Science topics and skills for the teachers, who can take these disciplines back to the classroom, making Earth Science a fun and memorable experience for their students.

#### **GRANTS, SCHOLARSHIPS, & AWARDS**

# THE OKLAHOMA GEOLOGICAL FOUNDATION NON-DIRECTED FUNDS: (\$9,000)

#### **RECIPIENT: OKLAHOMA SCHOOLS, K - 12TH GRADES**

Grant: Grant funds will be used to purchase museum quality Rocks, Minerals & Fossils to be put in individual Collections. These Collections are distributed to schools in Oklahoma to promote geology and Earth Science education.

# THE OKLAHOMA GEOLOGICAL FOUNDATION MIDDLE SCHOOL GRANT: (\$2,793)

## RECIPIENTS: ELEMENTARY, MIDDLE & HIGH SCHOOL EARTH SCIENCE TEACHERS FROM SCHOOLS THROUGHOUT OKLAHOMA.

The workshop "More! Rocks in Your Head" was held Oklahoma City, on the campus of Chesapeake Energy. Over 40 teachers participated in the workshop.

Grant: Proceeds of Grant used to sponsor a full-day Earth Science workshop, titled:" More! Rocks in Your Head." This is a nationally acclaimed, hands-on workshop, covering a full scope of Earth Science topics and skills for the teachers, who can take these disciplines back to the classroom, making Earth Science a fun and memorable experience for their students.

### THE CHARLES E. BRANHAM LIBRARY PROGRAM: (\$3,645)

### RECIPIENT: OKLAHOMA GEOLOGICAL SURVEY, NORMAN

Grant: In 2017, the Foundation provided funds to the Oklahoma Geological Survey to start a program called "GeoKids". This program consists of a traveling Earth Science Library and a Starter Rock & Mineral Kit. The Survey has distributed over 1,100 kits in two years. The grant will fund an additional 1,500 kits that will be distributed over the next 3 years.

# THE LARRY LUNARDI & OKLAHOMA GEOLOGICAL FOUNDATION ROCK MINERAL & FOSSIL COLLECTION PROGRAM: (\$9,000)

#### **RECIPIENT: OKLAHOMA SCHOOLS, K - 12TH GRADES**

Grant: Grant funds will be used to purchase museum quality Rocks, Minerals & Fossils to be put in individual Collections. These Collections are distributed to schools in Oklahoma to promote geology and Earth Science education.

# THE PHILIP BOYLE FOUNDATION & OKLAHOMA GEOLOGICAL FOUNDATION ELEMENTARY AND SECONDARY SCHOOL PROGRAM: (\$5,100)

#### **RECIPIENT: STUART PUBLIC SCHOOL, STUART**

Grant: Grant used to purchase various Earth Science Kits from Ward's Science Company and would be utilized in grades 3rd through 8th and in high school Earth Science classes for hands on curriculum units and individual lessons.

### WILLIAM A. CLEMENT GUTHRIE HIGH SCHOOL GRANT: (\$3,875)

RECIPIENT: GUTHRIE HIGH SCHOOL

Grant: Grant funds will be used to purchase lab equipment, demos, and lab Kits for Guthrie High School's Earth & Environment Science classes. The lab equipment and Kits will allow students to do hands on activities and labs that will help them explore science.

### THE FREDERICK M. BLACK SUMMER FIELD CAMP GRANT: (\$6,000)

RECIPIENTS: DYLAN MORTON
Oklahoma State University

#### **ZACHARY TOMLINSON**

University of Oklahoma

#### **CLAY JACKS**

University of Tulsa

Grant: Funds awarded to undergraduate geology students to supplement 2019 Summer Field Camp expenses.

# THE LANCE RUFFEL & OKLAHOMA GEOLOGICAL FOUNDATION INNOVATIONS IN EARTH SCIENCE EDUCATION PROGRAM: (\$8,000)

#### **RECIPIENT: MOUNTAIN VIEW-GOTEBO SCHOOL**

Grant: Grant proceeds will be used to purchase twenty-five Chromebooks, site license fees, and a 32-unit charging cart, to be used in the new science lab.

### THE ROBERT W. & JO ANN WARING MEMORIAL SCHOLARSHIP: (\$3,000)

RECIPIENTS: BOONE PICKENS SCHOOL OF GEOLOGY, OKLAHOMA STATE UNIVERSITY & CONOCO PHILLIPS SCHOOL OF GEOLOGY AND GEOPHYSICS, UNIVERSITY OF OKLAHOMA

Grants: Funds used to support teams from Oklahoma State University and University of Oklahoma in the AAPG Imperial Barrel Competition.

## THE SHIRLEY A. DAVIS PROGRAM FOR EARTH SCIENCE EDUCATION: (\$600)

**RECIPIENT: WARNER PUBLIC SCHOOL** 

Grant: Grant funds will be used to take 5 teachers and 40 students to the Oklahoma City Science Museum.

# THE OKLAHOMA GEOLOGICAL FOUNDATION GRADUATE FELLOWSHIP AWARD: (\$6,000)

RECIPIENT: LAYNE FARR

University of Tulsa

Thesis: "Permeability Anisotropy and Meandering Fluvial Facies Architecture of the Bartlesville Sandstone, Nowata County, Oklahoma".

## THE JOHN GATCHELL EARTH SCIENCE TEACHING PROGRAM: (\$435)

RECIPIENT: SHAWNEE MIDDLE SCHOOL

Grant: The funds from the grant will be used to purchase a LaMontte Water Pollution Testing Kit, to be used by 4th grade geography and science students and teachers.

#### **GRANTS, SCHOLARSHIPS, & AWARDS**

# THE OKLAHOMA GEOLOGICAL FOUNDATION STEM PROGRAM: (\$135,100)

#### RECIPIENT: ESTEEM INTERACTIVE LEARNING

Grants: Funds awarded to support Esteem in the development of Foundation's EveryDay Earth Program. The Program was established in mid-2017 by the Oklahoma Geological Foundation to combine Earth Science education material in an entertaining format that students will enjoy. It is presented as a light comedic narrative that filters in multiple lessons as the students explore aspects of the Earth's hydrosphere, geosphere, biosphere, and atmosphere, using Oklahoma and near-Oklahoma localities as the backdrop. It contains a mixture of videos and interactive sessions allowing students to participate in science investigations onscreen as they follow a simple storyline which keeps them engaged. The Program will consist of ten stand-alone Missions, each Mission being an impactful product.

EveryDay's Earth's target audience is 4th – 8th grade students, and it follows the Next Generation Science Standards as well as Oklahoma Academic Standards for Science.

As of 12/31/2019, development costs for the Foundation have totaled \$259,600 for the EveryDay Earth Program.

# THE OKLAHOMA GEOLOGICAL FOUNDATION NON-DIRECTED FUNDS: (\$6,072)

#### **RECIPIENT: TULSA GEOSCIENCE CENTER**

Grants: Grant awarded to support various operating costs for the Tulsa Geoscience Center. The Geoscience Center educates students and the general public on energy, geology, and other earth science disciplines. Students K – 12th grades are exposed to rock and mineral identification, fossils, fluorescence, porosity, permeability, the oil and gas industry, earthquakes, geologic time, crude oil and natural gas. Students from Oklahoma schools take day long field trips to visit the Center.

#### TOTAL GRANTS, SCHOLARSHIPS & AWARDS FOR 2019

\$251,148!!

# THE OKLAHOMA GEOLOGICAL FOUNDATION LEGENDS AWARD

The Directors of the Oklahoma Geological Foundation recognize that many outstanding individuals in Oklahoma have historically distinguished themselves by having made substantial contributions to the Geosciences, created significant advancements in the



petroleum industry, and have improved their communities for the betterment of society.

To proudly honor these incredible individuals, the Foundation created the "Pioneer Legend", "Historical Legend", and the

"Living Legend" awards. Established in 2007, the Oklahoma Geological Foundation has bestowed these honors to forty-two individuals at the annual "Legends Award" reception.

In 2019, Charles Newton Gould was honored as a "Pioneer Legend", William A. "Bill" Clement as a "Historical Legend", and Harrison L. Townes and Ronnie K. Irani as "Living Legends".

The dinner was held November 7th, 2019, at the Petroleum Club Event Center.

# THE OKLAHOMA GEOLOGICAL FOUNDATION CHRISTMAS RECEPTION

Since 2004, the Oklahoma Geological Foundation and its Directors, have invited donors and friends of the Foundation to the Annual Christmas Holiday Reception. This reception was established to express thanks and appreciation to those individuals who are responsible for the success and growth of the Foundation over the last two decades, by providing funding, their time, and support.

Historically, this reception has been held at the Oklahoma City Petroleum Club North in Edmond. It is always a great social event for the Directors and for those who have generously supported the Foundation for many years.



The 2019 Christmas Holiday Reception was held December 10th.



"Most people say that it is the intellect which makes a good scientist. They are wrong: it is character."

Albert Einstein 1879 - 1955

### **INVESTMENT SUMMARY**

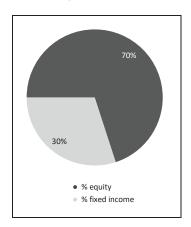
#### PERIOD ENDING DECEMBER 2019

BBG

#### **Current Allocation**

Allocation	% of FMV
Equity	70.0%
Large Cap	31.4%
Mid Cap	7.0%
Small Cap	10.5%
International	17.5%
Other Equity	3.5%
Fixed Income	29.5%
Short	0.0%
Intermediate	29.5%
Unconstrained	0.0%
International	0.0%
Cash	0.5%
Total	100.0%

#### **Target Allocation**



#### **Historical Returns**

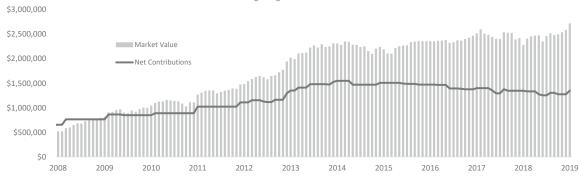
	Trailing 3 Months	Trailing 12 Months	3 Year (annualized)	5 Year (annualized)	10 Year (annualized)
OGF	5.9%	19.5%	6.9%	5.2%	7.9%
Market Returns					
S&P 500	9.1%	31.5%	15.3%	11.7%	13.6%
Russell 2000	9.9%	25.5%	8.6%	8.2%	11.8%
MSCI EAFE NR	8.2%	22.0%	9.6%	5.7%	5.5%
MSCI Em Mkts NR	11.8%	18.4%	11.6%	5.6%	3.7%
BBG BC Int Gov/Crdt	0.4%	6.8%	3.2%	2.6%	3.1%
BG BC 1-3YR Gov/Crdt	0.6%	4.0%	2.1%	1.7%	1.5%

#### **Annual Returns**

Period	Return
2019	19.5%
2018	-7.3%
2017	10.2%
2016	9.2%
2015	-3.4%

#### **Growth Over Time**

Beginning December 2008



<sup>\*</sup>Returns are net of fees. Returns greater than 1 year are annualized. Performance will largely be driven by asset allocation, which varies from the target weights, and fund manager performance. OGF & BancFirst used data from external sources in the preparation of this report. OGF & BancFirst warrants that, to the best of its knowledge, information and belief, the information contained herein is reliable, but does not warrant the accuracy. Past performance does not guarantee future results.

# OKLAHOMA GEOLOGICAL FOUNDATION 2019 INVESTMENT OVERVIEW

As of December 31, 2019, the Oklahoma Geological Foundation's collective Investment Portfolio had a fair market value of \$2,712,579. This is an increase of \$438,945 over the previous year balance of \$2,273,634.

This increase was attributable to investment gains of \$436,445 (net of investment management fees) and net contributions/withdrawals of \$2,500. The Portfolio had an asset allocation at year end of 70.0% Equity, 29.5% Fixed Income and 0.5% Cash & Equivalents. Under normal circumstances and Foundation investment policy guidelines, the overall equity allocation will typically range from 60-80% and the fixed income and cash allocation will typically make up the residual, a 20-40% allocation.

The mix of equity strategies in the Portfolio is diversified across domicile (e.g., U.S., developed international and emerging markets), style (growth and value) and size (market capitalization). At year-end, the style composition of the equity portfolio was as follows (rounded):

The primary strategies within the fixed income allocation at year-end were classified as intermediate-term, investment grade.

Intermediate-term	Bond	84.9%
<b>Short-term Bond</b>		15.1%

For the year ended December 31, 2019, the portfolio returned 19.5%, net of investment management fees, compared to a blended benchmark return of 23.0%. The blended benchmark is comprised of the S&P 500 Stock Index, Bloomberg Barclays Intermediate Government/Credit Index and the Lipper US Treasury Money Market Index, weighted in accordance to the broad class weights of the Portfolio. The table below provides additional performance for the Foundation's Portfolio over various time-frames since inception of July 1, 2008. Since inception, the Portfolio returned 7.0% annualized with net gains, after fees and expenses, of \$1,363,774.

U.S. Large-Cap Growth	10.0%	U.S. Small-Cap Value	15.0%
U.S. Large-Cap Value	10.0%	<b>Developed International</b>	15.0%
U.S. Large-Cap Core	25.0%	<b>Emerging Markets</b>	10.0%
U.S. Mid-Cap Value	10.0%	Real Estate	5.0%

#### **Performance- Net of Fees**

12 Month	3 Year Annualized	5 Year Annualized	Inception 7/1/2008
The Foundation's 19.5% Investments	6.9%	5.2%	7.0%

In 2019, global equity markets delivered strong returns as central banks pursued additional policy accommodation in the face of slower growth and ongoing trade tensions. For the year, the S&P 500 Index (large cap U.S. stocks) returned 31.5% and the Russell 2000 Index (small cap U.S. stocks) gained 25.5%. International stocks also fared well, as developed markets equities (MSCI EAFE Index) and emerging markets equities (MSCI Emerging Markets Index) gained 22.0% and 18.4%, respectively. Additionally, the performance gap between global growth and value stock classifications (growth outperforming) persisted during the year across the capitalization spectrum. Overall, the Foundation's equity investments returned 26.9% during the year. This was modestly behind the S&P 500 Index due to the portfolio's overall value manager tilt and its diversified style allocation that included both international and smaller cap stocks.

Falling interest rates led to strong returns for fixed income assets in 2019 amid weaker global economic growth and policy risks. The Foundation's fixed income manager positioning was favorable during the year and led to out performance relative to the Barclays Intermediate Government/Credit Index as the class returned 7.5% versus 6.8% for the benchmark. The overall duration was maintained in a neutral range relative to the benchmark.

The Investment Policy is designed to ensure that existing and future funds managed by the Foundation will provide ample annual income for its charitable purposes in perpetuity, regardless of existing economic or market conditions.

### **2019 DONATIONS DIRECTED**

OKLAHOMA GEOLOGICAL FOUNDATION EXCELLENCE IN EARTH SCIENCE EDUCATION

Jason F. & Cristina Hamilton

BETH CRONIN ELEMENTARY SCHOOL PROGRAM

Robert L. & Jayne A. Gilson

Robert R. Klabzuba

Larry G. & Leellen Akers

LARRY LUNARDI & THE OKLAHOMA
GEOLOGICAL FOUNDATION ROCK,
MINERAL, & FOSSIL COLLECTION PROGRAM

Joel A. & Susan Alberts

Herb & Marynm Martin
Steve Dixon

Landon W. & Kathy Holman II

**Robert L. & Jay Gilson** 

SUZANNE TAKKEN MEMORIAL FUND

M. Charles Gilbert

OKLAHOMA GEOLOGICAL FOUNDATION EVERYDAY EARTH STEM PROGRAM

Jerome Westheimer Family Foundation

**OU/ConocoPhillips** 

**Jason F. & Cristina Hamilton** 

**Devon Energy** 

Chesapeake Energy Corp. In Honor of Frank Gagliardi

Landon W. & Kathy Holman II

J. Mark & Carol Lester

**Herb & Marynm Martin** 

Joel A. & Susan Alberts

**Marvin D. Woody** 

WILLIAM A. CLEMENT EARTH SCIENCE FOR GUTHRIE MIDDLE & HIGH SCHOOLS

**Marilyn S. Clement** 

KENNETH STEWART CRONIN LECTURE SERIES PROGRAM

**Thomas C. Cronin** 

**In Memory of John Erickson** 

In Memory of Herbert G. Davis

In Memory of William "Bill" Vernon York

In Memory of Joe Ray McGinley

**In Memory of Steve Vetoyanis** 

In Memory of Robert W. Allen

In Memory of Paul E. Kloberdanz, Sr.

In Memory of Ervin G. Erdoes, M.D.

In Memory of Benjamin R. Man

In Memory of Peter (Pete) G. Wilson

**In Memory of Dick Ellis** 

HERBERT G. & SHIRLEY A. DAVIS
OKLAHOMA STATE UNIVERSITY
GEOLOGY SCHOLARSHIP

**Jason F. & Cristina Hamilton** 

## 2019 DONATIONS NON-DIRECTED

**Shelly Shomber** 

**Robert W. Allen** 

**General Electric** 

Dan J. & Nancy L. Kennedy

Ralph Espach
In Memory of Robert Northcutt
In Memory of Bill Jackson

Ronald D. Krakowski

Herbert G. & Shirley A. Davis
In Memory of William "Bill" Vernon York

Ken & Diana Wickham In Memory of William "Bill" Vernon York

Kenneth S. Johnson
In Memory of Herbert G. Davis

Linda D. Dorfman
In Memory of Herbert G. Davis

John W. Shelton
In Memory of Herbert G. Davis

Sherrill D. Howery
In Memory of Herbert G. Davis

Jay R. & Elizabeth R. Burns In Memory of Herbert G. Davis

J. Mark & Carol Lester
In Memory of William A. Clement

Sharon Sellars In Memory of Benjamin R. Man Louis M. Ford, LLC In Memory of Benjamin R. Man

**Vincent Nowaczewskl** 

**Peter Massion** 

**Michael W. Smith** 

Mrs. Herbert G. Davis (Shirley)
In Memory of Herbert G. Davis

**Kenneth S. Johnson** 

**Chevron Matching Employee Funds** 

**Network for Good** 

**Robert L. & Jay Gilson** 

**Marilyn S. Clement** 

**Herb & Marynm Martin** 

Joan M. & Joseph J. Bruns

William M. Smith
In Memory of William A. Clement

**Gregg McDonald** 

**Scott D. Sachs** 

**Patrick M. Tolson** 

### 2019 DONATIONS NON-DIRECTED-IN KIND

Terry L. & Elizabeth Hollrah

Greg A. & Debra A. Wilson

**Thomas C. Cronin** 

The Petroleum Club of Oklahoma City

**Lawrence H. & Ronna Davis** 

**Larry Lunardi** 

**Devin & Elizabeth Dennie** 

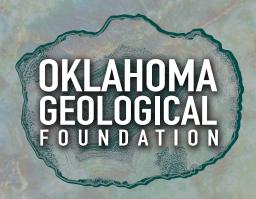
**Jack & Mary Stark** 

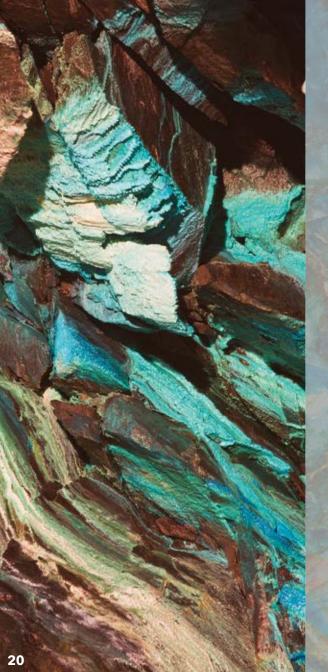
**BC Clark** 

**Dewayne Poor/STAG Lounge** 

**Oklahoma Geological Foundation** 

**Oklahoma State University** 





## **2019 EVENT SPONSORS**

Lawrence H. & Ronna Davis Thomas C. Cronin **Steve Knowles** William Cory Beck **Allied Wireline Services, LLC Peter Gill** Frank & Cindy Gagliardi Herbert G. & Shirley A. Davis Murfin Drilling Company, Inc. **David Doyle Tapstone Energy Whitestar Petroleum** Joseph J. & Joan M. Bruns Ray H. Potts **Arvine Pipe & Supply Co., Inc.** Richard L. & Jackie L. Snyder, Jr. **Continental Resources** J. Mark & Carol Lester The Quintin Little Company Black Swan Oil & Gas **Brian J. & Lesley Smith BancFirst Trust and Investment Management** The Reserve Petroleum Company **Larry Lunardi** Sam Roark Lance Ruffel Oil & Gas Keith F. Walker Trust Landon W. & Linda K. Holman Michael D. Kuykendall **Ancova Energy** 

# LEGENDS

2007



FREDERICK H. "FRITZ" TATE



DEAN A. MCGEE



DENNIS F. SMITH

2009



FRANK BUTTRAM



LOUIS M. FORD



LEW O. WARD

2008



JOHN W. NICHOLS



ROBERT A. "BOB" NORTHCUTT



HERBERT G. DAVIS



SUZANNE TAKKEN



THOMAS E. DAVIS



RAY H. POTTS



SAMUEL "LLOYD" NOBLE



SAMUEL RUSSEL NOBLE

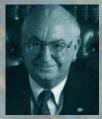
2010



ROBERT ALLEN



**CHARLES E. BRANHAM** 



DAVID G. CAMPBELL



HAROLD G HAMM



HERBERT H. "BUD" Champlin



HERBERT HIRAM CHAMPLIN



T. BOONE PICKENS

# LEGENDS

2015



**BOB HANCOCK** 



DR. KENNETH S. JOHNSON



DR. JAMES O. PUCKETTE



ROBERT W. "BOB" WARING



**JEROME MAX** WESTHEIMER, SR.





KEITH F. WALKER



THOMAS W. OLSEN



FRANK F. PHILLIPS





J. WALTER DUNCAN, JR.



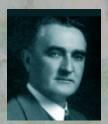
J.L. HERNDON



ROYCE G. HERNDON



DR. JOHN W. SHELTON



WIRT FRANKLIN

### 2017



AUBREY K. MCCLENDON



T. HOWARD MCCASLAND





HARRISON L. TOWNES



**RONNIE K. IRANI** 



**CHARLES NEWTON GOULD** 



WILLIAM A. "BILL" CLEMENT

# A NEW EVENT FOR "STEM" EDUCATION

The Oklahoma Geological Foundation is a proud supporter of STEM Education in Oklahoma with a primary focus on Earth Science programs. In order to continue to fund the STEM Programs, the Foundation established the "Rocks & Swing Fore STEM" event at the Topgolf facility in Oklahoma City. First held on September 12, 2019, the Foundation is planning to hold this event on an annual basis.



The goal of this function is to establish a "family connection" to the Foundation by providing a fun and enjoyable evening of food, drinks, and golf combined with silent and live auctions of various high quality minerals, fossils, artwork and other items of interest. Participants are able to practice their golf swing prior to the dinner and auction.

All proceeds from the "Rocks & Swing Fore STEM" event are used to support the Foundation's efforts to assemble and supply Earth Science STEM educational materials to teachers of

K-12 grade students in Oklahoma.









Dear Membes of Off,

Thank you so much for awarding me a scholarship for field camp. I was able to get the supplies necessary for our regional trip, in which we will get to see Yellowstone and several other locations which I have Never experienced before. I am very excited for this oppositionity and look forward to having an amazing time at field camp.

Natur

Thank you!

**CONTINUE TO** GROW AS OGF'S

City to Bireconst Januarian Land Live of Contact of the Contact of Scholand State Holder State Love Till took to say comp aring light ministrate disagranding the secondary of my deep and her disorder from the sundand drange on any disagnage councy the acre managed of a That is award graduate was thank working he have all he have all he have all he have well a continue have want of order ny a prince odaw, hange

Shalouts and supporting Oklahoma geology. SMALL SAMPLES...

Your dereasity in oransing me to receive the Marediole I was don't will had one in work Frederick M. Glock Field Dany Brant is Gualogical burdenter in a group of area birg people willing to rate in any of area birg people willing to rate in any of area of a sure Chapter than the contraction in agine the open was Me and I have to one day to the same for Consider the wind contain bestern. New Street OSIM!

Sweezely.

Thonk you for your governs desiden, I will surrace so study hand on my way as May 7th , 2019 To Oblahoma Geologia Foundation , I me here have a gooding family in China and have moved to become a goodingst come I and young the form things school of Soology & Society is some of the top school for and is said I restaure many problem as legin sending here. As an segues from the Olfahorea Grafeste Southfan L belee I will be surreged in the father I and mercure to study hard and hopefully one day I am gire back to the said This scholarship gires we must involve from to askine my grad. I want to price a Mayer's degree 5 miles and dis solvering is an every stope strongthess. Those you again for your gardens demotion. My county granitale, Committees School of Goods and Desphysics.

Strategies (days of Earth and Energy The University of Oktoberna

Dear Directors,

Thank you so much for your generus scholarship

that went known my recent Field Comp agreences.

I am a recent graduate of OSU and currently

interning with the USGS at their Oklahoma Lugger Science center in OKC. I was born and raised

in Edmond ok and look forward to strying in OK

for my career. Thank you for believing in

#### OGF BOARD OF DIRECTORS



Left to Right: Terry L. Hollrah, J. Mark Lester, Devin Dennie, Jason F. Hamilton, Joel A. Alberts, Thomas C. Cronin, Lawrence H. Davis, Larry Lunardi, Lanny Holman, Frank Gagliardi, Michael J. Bone. Herbert Martin and Lance Ruffel (not pictured)

#### OKLAHOMA GEOLOGICAL FOUNDATION

P.O. BOX 7565 | EDMOND, OK 73083

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