

ANNUAL AWARDS BANQUET

MAY 2, 2024 - PETROLEUM CLUB EVENT CENTER



IN RECOGNITION OF

The Oklahoma Geological Foundation is proud to announce the inaugural

is proud to announce the inaugural establishment of the "Ronnie K. Irani Oklahoma Geological Foundation Annual Awards Banquet".

Ronnie K. Irani is the Founder and CEO of RKI Energy Resources in Oklahoma City. He is widely known and recognized for his philanthropic efforts to be a strong advocate of education in Oklahoma.

In addition to the renaming of the Annual Awards Banquet, through the generous donation by Mr. Irani, a newly formed Oklahoma Geological Foundation program will be established as the "Ronnie K. Irani Earth Science Education Program". This Program will continue to introduce students and teachers to the Earth Sciences and the science of Geology through grants and scholarships and to create partnerships with schools and universities to enhance existing Earth Science programs.





HONORS MR. RONNIE K. IRANI.

TONIGHT'S PROGRAM

HOSTED SOCIAL HOUR

5:30-6:30 pm

DINNER

6:30 pm

OKLAHOMA GEOLOGICAL FOUNDATION'S WELCOME AND A VERY SPECIAL ANNOUNCEMENT

Thomas C. Cronin, Chair

THANK YOU TO THE SPONSORS

Frank W. Gagliardi, Director

UPDATES ON THE FOUNDATION'S PROGRAMS & ACTIVITIES

Lawrence H. Davis, Director

ROCK, MINERAL, & FOSSIL COLLECTION ANNOUNCEMENT

Larry Lunardi, Director

TONIGHT'S AWARD PRESENTERS

Dr. Molly Yunker, Director
Terry L. Hollrah, Vice Chair
Landon W. Holman, Director
Dr. Camelia Knapp, Director
Lawrence H. Davis, Treasurer
J. Mark Lester, Director
Herb Martin, Director
Joel A. Alberts, Secretary
Michael Bone, Director
Kevin Werth, Director Emeritus

CLOSING REMARKS

Herb Martin, Director

Tonight's event would not have been possible without the generous financial donations from numerous individuals and companies.

THANK YOU FOR YOUR CONTINUED SUPPORT!



2024 AWARD PRESENTATIONS

OKLAHOMA GEOLOGICAL FOUNDATION GRADUATE FELLOWSHIP - \$5,000

Presented by: Dr. Molly Yunker, Director

CHINANU UNIGWE – Oklahoma State University

Thesis: "The Role of Monovalent Cations and Hydration Sites on the Removal of

Metals from Petroleum Produced Water by Dolomite"

Faculty Advisor: Dr. Javier Vileaez

FREDERICK H. AND LOIS M. KATE ENDOWMENT FELLOWSHIP - \$5,000

Presented by: Dr. Molly Yunker, Director

APRIL MORENO-WARD - University of Oklahoma

 $The sis: \ "Improved \ Identification \ and \ Interpretation \ of \ Seismic \ Geomorphology"$

Faculty Advisor: Dr. Heather Bedle

SUZANNE TAKKEN MEMORIAL FELLOWSHIP - \$2,500

Presented by: Landon W. Holman, Director

LAUREN HAYGOOD - Oklahoma State University

Thesis: "Investigating Enhanced Carbon Burial in the South Atlantic, Argentine Basin"

Faculty Advisor: Dr. Natascha Riedinger

HERBERT G. AND SHIRLEY A. DAVIS OSU GEOLOGY FELLOWSHIPS - \$2,500 EACH

Presented by: Landon W. Holman, Director

JOSHUA ADEMILOLA – Oklahoma State University

Thesis: "Geological and Geomechanical Modeling for CO2 Sequestration and

Enhanced Hydrocarbon Recovery" Faculty Advisor: Dr. Jack Pashin

OGHALOMENO ONONEME – Oklahoma State University

Thesis: "Comprehensive Investigation into Benthic Foraminifera Response to the

Paleocene-Eocene Thermal Maximum, Agulhas Plateau"

Faculty Advisor: Dr. Ashley Burkett



OKLAHOMA GEOLOGICAL FOUNDATION FELLOWSHIPS - \$3,000 EACH

Presented by: Terry L. Hollrah, Director

IZABELLE BUENTELLO – Oklahoma State University

Thesis: "Unconventional Hydrocarbon Reservoir Characterization of the Newly Explored Caney Shale in the Ardmore Basin, Southern Oklahoma" Faculty Advisor: Dr. Michael Grammer

EMRANUL CHOWDHURY - Oklahoma State University

Thesis: "A Numerical Assessment of Biogenic Hydrogen Production in Depleted Oil Reservoirs used for Geological Carbon Storage" Faculty Advisor: Dr. Javier Vilcaez

CLAYTON L. HEDGES – Oklahoma State University

Thesis: "Using Temporal Electrical Resistivity to Monitor a Rhythmic Spring Siphon" Faculty Advisor: Dr. Todd Halihan

DEBARPITA PAUL – Oklahoma State University

Thesis: "The Dance of Volcanism and Collision: Assessing the Contributions of Deccan Volcanism and Impactor During the K/Pg Mass Extinction"
Faculty Advisor: Dr. Ashley Burkett

OKLAHOMA GEOLOGICAL FOUNDATION FELLOWSHIPS - \$3,000 EACH

Presented by: Joel A. Alberts, Director

ABIGAIL BOYD - University of Oklahoma

Thesis: "Thermokinematic Reconstruction of Canadian Cordilleran Fold-Thrust Belt"
Faculty Advisors: Dr. Sarah George and Dr. Gilby Jepson

CASSANDRA KENYON – University of Oklahoma

Thesis: "Shedding Light onto Northern Andes Evolution and Magdalena River Development Using Zircon Geochronology, Middle Magdalena Valley, Colombia" Faculty Advisor: Dr. Sarah George

MORGAN E. LEVRETS – University of Oklahoma

Thesis: "Stratigraphic Variability and Petrophysical Characterization of the Pennsylvanian Prue Sandstone in Lincoln County, Oklahoma" Faculty Advisor: Dr. Matthew J. Pranter

KATHERINE SLUDER – University of Oklahoma Thesis: "Size Dependent Reactivity of Hematite Nanoparticles with Sulfide: a Field-lab Comparison" Faculty Advisor: Dr. Andy E. Madden



ALYSHA ZAZUBEC - University of Oklahoma

Thesis: "Phylogeny and Extinction Selectivity of Monobathrid Crinoids across

the Late Ordovician Mass Extinction"

Faculty Advisor: Dr. Lena Cole

FREDERICK M. BLACK AND BOB & JAY GILSON FIELD CAMP GRANTS- \$3.000 EACH

Presented by: Lawrence H. Davis, Director

JOHN DILLION TAYLOR - University of Oklahoma

CAILIN STAUFFER – University of Tulsa

SYDNEY SWISHER - Oklahoma State University

DAVID G. AND JANET CAMPBELL NATIVE AMERICAN FELLOWSHIP \$2.000

Presented by: Lawrence H. Davis, Director

TALYNDA FAITH GRAYSON – University of Oklahoma

Thesis: "Regional-Scale Analysis of the Pennsylvanian-Aged Prue Sandstone

of Lincoln County, Oklahoma"

Faculty Advisor: Dr. Matthew Pranter

OKLAHOMA GEOLOGICAL FOUNDATION BOB AND JAY GILSON FIELD CAMP GRANTS - \$1.350 EACH

Presented by: Dr. Camelia Knapp, Director

Oklahoma State University

IAN KALLENBERG BRYSTON SMITH
TRAVIS KLEIN ALLY SWAFFORD
HUDSON MOSEBY GLORY WILSON
EMILY TOMPKINS VICTORIA HUGHES

University of Oklahoma

Presented by: Kevin Werth, Director Emeritus

KYLE FAKHRSHAFAEI BRYSON FETTERS
DAVID FLEENOR PIPER JOSTRAND
BRAEDEN MORELAND CORBIN PADGETT

ALYSSA PASCOE JACQULYN RICHARDSON

CALEB SIMMONS ASH SIMPSON

JAYLAH SPENCE



OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT PROGRAM - \$1,454

Presented by: Terry L. Hollrah, Director

OKLAHOMA SCHOOLS & TEACHERS

Funds will be used to purchase additional specimens for schools, teachers, and students in conjunction with the Rock, Mineral and Fossil Collections.

THE PHILIP BOYLE FOUNDATION & THE OKLAHOMA GEOLOGICAL FOUNDATION ELEMENTARY AND SECONDARY SCHOOL PROGRAM- \$1,480

OKLAHOMA SCHOOLS & TEACHERS

Funds used to purchase various specimens for schools, teachers, and students in conjunction with the Rock, Mineral, and Fossil Collections

KENNETH STEWART CRONIN LECTURE SERIES PROGRAM - \$6,100

Presented by: J. Mark Lester, Director

NATIONAL GROUND WATER ASSOCIATION UNIVERSITY AS POWERED BY OKLAHOMA STATE UNIVERSITY

This Grant will sponsor ten classrooms to initiate interaction with Oklahoma teachers with an impact of 30 teachers and 750 students.

OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT PROGRAM- \$2,700

Presented by: J. Mark Lester, Director

UNIVERSITY OF OKLAHOMA SCHOOL OF GEOSCIENCES

Funds used to support the awareness of Geosciences to students at the Geosciences Student Expo. Students visited the Sam Noble Museum of Natural History and received a barite rose rock.

THE OKLAHOMA GEOLOGICAL FOUNDATION EXCELLENCE IN EARTH SCIENCE EDUCATION AWARDS PROGRAM - \$409

Presented by: J. Mark Lester, Director

SOUTHMOORE HIGH SCHOOL

Funds were used to purchase fluorescent mineral samples to be included in the existing Rock, Mineral, and Fossil Collection.



OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT PROGRAM - \$2,700

Presented by: J. Mark Lester, Director

BPSOG PHILANTHROPETE CAMPAIGN. OKLAHOMA STATE UNIVERSITY

Grant is used to continue funding the Geosciences Educational Opportunity – Research Experience (GEO-Rex), as an Outreach Program of Oklahoma State University.

OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT PROGRAM - \$800

Presented by: Larry Lunardi, Director

OKLAHOMA MINERAL & GEM SOCIETY (OMGS), OKLAHOMA CITY

Funds were used to support OGMS's desire to introduce students to several science disciplines, including physical science, geology, and paleontology at the annual "Gems and Stones and Petrified Bones" show at the Oklahoma State Fair in October of 2023.

CHARLES E. BRANHAM GEOLOGICAL LIBRARY PROGRAM - \$1,381

Presented by: Larry Lunardi, Director

BELLE ISLE MIDDLE SCHOOL. OKLAHOMA CITY

Funds were used to purchase a specialized case to store and display a Rock, Mineral, and Fossil Collection donation.

THE SHIRLEY A. DAVIS PROGRAM FOR EARTH SCIENCE EDUCATION - \$2,395

Presented by: Larry Lunardi, Director

CRISTO REY OKLAHOMA CITY CATHOLIC HIGH SCHOOL SCIENCE TEACHER: MAHLON ERICKSON

Funds were used to purchase rocks, minerals, grow lights and soil sample probes to be used in Physical Science, Geology and AP Environmental Science classes. Streak plates and glass scratch plates were purchased to be used with the rocks and minerals.

THE OKLAHOMA GEOLOGICAL FOUNDATON GEOLOGY AWARD PROGRAM - \$2,000

Presented by: Larry Lunardi, Director

ROSE STATE COLLEGE

The funds are in support of two students working on Earth Science projects that will ultimately lead to a degree in Paleontology and Environmental Geoscience.



THE LANCE RUFFEL AND OKLAHOMA GEOLOGICAL FOUNDATION'S INNOVATIONS IN EARTH SCIENCE EDUCATION PROGRAM - \$4,500

Presented by: Larry Lunardi, Director

UNITED STATES FARTH SCIENCE ORGANIZATION

Funds will be used to cover the expenses associated with transportation for Earth Science educational field trips across Oklahoma. Several Earth Science disciplines will be studied, and the Grant will support fifty students.

ROBERT W. & JO ANN WARING MEMORIAL SCHOLARSHIP PROGRAM - \$1,600

Presented by: Michael J. Bone, Director

OKLAHOMA STATE UNIVERSITY 2024 BPSOG TECHFEST

This Grant is in support of awards given to students who prepared posters that displayed geologic projects they are working on. The TechFest featured speakers and exhibit booths which the Foundation participated in.

THE OKLAHOMA GEOLOGICAL FOUNDATION STEM PROGRAM - \$4,500

Presented by: Michael J. Bone

UNIVERSITY OF OKLAHOMA SCHOOL OF GEOSCIENCES

The Grant was in support of the University's "Student Research Symposium". The funds will be used to award the top three undergraduate and graduate students.

THE OKLAHOMA GEOLOGICAL SURVEY & THE OKLAHOMA GEOLOGICAL FOUNDATION'S GEOKIDS PROGRAM - \$5.596

Presented by: Michael J. Bone, Director

STUDENTS IN OKLAHOMA

In support of the Oklahoma Geological Survey GeoKIDS Program with over 3,300 GeoKits delivered to students throughout Oklahoma. The kits are given to the students to take home where they can continue to study the rocks and minerals.

THE KENNETH STEWART CRONIN LECTURE PROGRAM - \$400

Presented by: Michael J. Bone, Director

THE SOIL & WATER CONSERVATION SOCIETY, UNIVERSITY OF OKLAHOMA STUDENT CHAPTER

The Grant proceeds are used to support a bi-weekly Geocommunication professional development which provides training on effective communication in Geosciences.



THE BETH CRONIN ELEMENTARY SCHOOL ENDOWMENT PROGRAM - \$5.120

Presented by: Michael J. Bone, Director

ST. ELIZABETH ANN SETON CATHOLIC SCHOOL

This Grant fulfills a request to provide funds to facilitate learning of all the Earth Sciences, including the force of volcanoes, earthquakes, tectonic plates, renewable resources, etc. in the school's state-of-the-art STEM/STEAM lab.

ROBERT W. & JO ANN WARING MEMORIAL FELLOWSHIP - \$1.500

Presented by: Kevin Werth, Director Emeritus

BIXBY SCHOOL

Funds used to purchase a specialized case to display and feature the Rock, Mineral, and Fossil Collection and to purchase additional fossils, such as a bony fish preserved in shale.

THE LARRY LUNARDI & OKLAHOMA GEOLOGICAL FOUNDATION ROCK, MINERAL AND FOSSIL COLLECTION - \$17,500

Presented by: Kevin Werth, Director Emeritus

STUDENTS, TEACHERS & SCHOOLS THROUGHOUT OKLAHOMA

Rock, Mineral, and Fossil Collections for Oklahoma schools.

OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT - \$642

Presented by: Kevin Werth, Director Emeritus

UNION CITY SCHOOL, UNION CITY

Funds were used to purchase a specialized case to store and display a Rock, Mineral, and Fossil Collection donation.

THE WILLIAM A. CLEMENT EARTH SCIENCE GRANT - \$3,200

Presented by: Kevin Werth, Director Emeritus

WESTMOORE HIGH SCHOOL

Funds will be used to purchase additional lab equipment, with the intent of conducting laboratory investigations in Earth Science Education studies.

TOTAL: \$147,127





In 2015, under the guidance of Oklahoma Geological Foundation Director Larry Lunardi, the Foundation began providing a diverse collection of museum quality rocks, minerals, and fossils to promote the teaching of Earth Science in Oklahoma K-12 schools.

In less than ten years since inception, the Foundation is proud to announce the delivery of the 300th Rock,

Mineral, and Fossil Collection to the Harvest Hills Elementary School in Putnam City!

This Program impacts over **80,000 students** and involves more than **1,600 teachers** on an annual basis. With your continued support and funding for the Foundation, along with Larry Lunardi's expertise, the ultimate goal is to provide a Collection to every school in Oklahoma.

BECAUSE OF YOU!

SUMMARY OF GRANTS AND AWARDS FOR 2023

■ HERBERT G. & SHIRLEY A. DAVIS OKLA. STATE UNIVERSITY GEOLOGY FELLOWSHIP

MEGAN GARRETT – Oklahoma State University
MELISSA PERKINS – Oklahoma State University

■ THE FREDERICK H. & LOIS M. KATE FELLOWSHIP AWARD

YIRAN XING - University of Tulsa

■ THE OKLAHOMA GEOLOGICAL FOUNDATION GRADUATE FELLOWSHIP AWARD

DANIAL MANSOURIAN — University of Oklahoma LAUREN HAYGOOD — Oklahoma State University SILAS SAMUEL — Oklahoma State University

■ THE OKLAHOMA GEOLOGICAL FOUNDATION GEOLOGY AWARD

MATIN MAZROEE – Rose State College EVAN BURKHART – Rose State College FROST TRUSSELL – Rose State College

■ THE SUZANNE TAKKEN MEMORIAL FELLOWSHIP AWARD

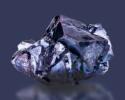
EMMA SHOOK - Oklahoma State University

■ THE OKLAHOMA GEOLOGICAL FOUNDATION SUMMER FIELD CAMP GRANTS

10 Students from Oklahoma State University 11 Students from the University of Oklahoma 1 Student from University of Tulsa

■ THE FREDERICK M. BLACK SUMMER FIELD CAMP GRANTS:

TYSON KING – Oklahoma State University
RILEY WOODROW – University of Oklahoma
HELENA GUTZMER – University of Tulsa



SUMMARY OF GRANTS AND AWARDS FOR 2023

BETH CRONIN ELEMENTARY SCHOOL PROGRAM ■

ST. ELIZABETH ANN SETON CATHOLIC SCHOOL MELISSA PERKINS

ROBERT W. & JO ANN WARING MEMORIAL FELLOWSHIP BIXBY SCHOOL

WILLIAM A. CLEMENTS EARTH SCIENCE PROGRAM

SEISMIC REFLECTION CENTENNIAL

OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT PROGRAM

TEACHERS & SCHOOLS THROUGHOUT OKLAHOMA

SHIRLEY A. DAVIS EARTH SCIENCE EDUCATION GRANT ■

MESSIAH LUTHERAN SCHOOL MIDDLE SCHOOL

OKLAHOMA GEOLOGICAL FOUNDATION GEOKIDS PROGRAM

THE OKLAHOMA GEOLOGICAL SURVEY

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

OKLAHOMA SCHOOLS, K - 12TH GRADES

OKLAHOMA GEOLOGICAL FOUNDATION STEM PROGRAM \blacksquare

UNIVERSITY OF OKLAHOMA SCHOOL OF GEOSCIENCES

THE LANCE RUFFEL INNOVATIONS IN EARTH SCIENCE EDUCATION PROGRAM

UNITED STATES EARTH SCIENCE ORGANIZATION, OKLAHOMA

THE JOHN GATCHELL EARTH SCIENCE TEACHING PROGRAM

OWASSO HIGH SCHOOL



SUMMARY OF GRANTS AND AWARDS FOR 2023

■ THE PHILIP BOYLE FOUNDATION ELEMENTARY AND SECONDARY SCHOOL PROGRAM TEACHERS AND SCHOOLS THROUGHOUT OKLAHOMA

■ THE CHARLES E. BRANHAM LIBRARY PROGRAM CASADY SCHOOL, OKLAHOMA CITY

■ KENNETH STEWART CRONIN LECTURE SERIES PROGRAM

NGWA UNIVERSITY POWERED BY OKLAHOMA STATE UNIVERSITY

DAVID G. AND JANET CAMPBELL NATIVE AMERICAN FELLOWSHIP

AARON WALKER - University of Oklahoma

OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT

UNIVERSITY OF OKLAHOMA SCHOOL OF GEOSCIENCES

■ THE OKLAHOMA GEOLOGICAL FOUNDATION EXCELLENCE IN EARTH SCIENCE EDUCATION AWARDS PROGRAM

SOUTHMOORE HIGH SCHOOL

OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT

BPSOG PHILANTHROPETE CAMPAIGN, OKLAHOMA STATE UNIVERSITY

OKLAHOMA GEOLOGICAL FOUNDATION SUPPORT GRANT

OKLAHOMA MINERAL & GEM SOCIETY (OMGS), OKLAHOMA CITY

TOTAL: \$116,330





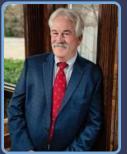
BRINGING SCIENCE TO LIFE...



OKLAHOMA GEOLOGICAL FOUNDATION



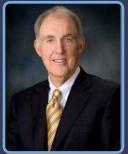
...for Oklahoma students of all ages as they get hands-on with rocks, minerals, and fossils.



Joel A. Alberts Secretary



Michael Bone



Thomas C. Cronin Chairman



Lawrence H. Davis



Frank W. Gagliardi



Michael E. Hale



Terry L. Hollrah Vice-Chairman



Lanny Holman



Camelia Knapp



J. Mark Lester



Larry Lunardi



Herbert G. Martin

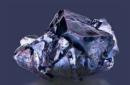


Molly Yunker



Kevin Werth Director Emeritus

OKLAHOMA GEOLOGICAL FOUNDATION BOARD OF DIRECTORS



Our support of EARTH SCIENCE EDUCATION in Oklahoma by the NUMBERS.

It is through the work of an all-volunteer board and the generous assistance of those individuals and companies, that we are able to generate





Over

500

teachers attended handson workshops



Over

1.7M

awarded to students, teachers, and educational organizations



Over

90K

Students and 1,350 teachers reached with a Rock, Mineral & Fossil Collection



OVE

400

total grants, scholarships, and other awards



Ove

225

field camp grants for graduate students

THE OKLAHOMA GEOLOGICAL FOUNDATION IS DEDICATED TO:

- 1) Motivate and provide technical support for students who attend elementary, middle, and high schools within Oklahoma and who participate in a Geological or Earth Science curriculum.
- Promote and grant financial support to teachers and schools throughout Oklahoma that conduct programs in the Geological Sciences.
- 3) Facilitate and aid financially students who: (a) attend colleges and universities in Oklahoma and major in the Geological Sciences, with the goal of obtaining an undergraduate or graduate degree in those fields of study, and (b) students who plan to pursue a career in the Earth Sciences.
- 4) 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 or Petroleum Industry, and who have made or continue to make significant contributions to the profession and their communities.

Please contact the Oklahoma Geological Foundation by visiting our website to learn more about the Foundation's activities.



OklahomaGeologicalFoundation.org

A SPECIAL THANK YOU TO - OUR EVENT SPONSORS -

GOLD SPONSORS

LARRY & RONNA DAVIS
HERB & MARYNM MARTIN

SILVER SPONSOR

THE RON KRAKOWSKI FAMILY THOMAS C. CRONIN

BRONZE SPONSORS

MICHAEL & CASEY HALE MARK & CAROL LESTER

THANK YOU FOR ATTENDING AND YOUR CONTINUED SUPPORT!



Oklahoma Geological Foundation.org