Honors and Awards Ceremony
2022
Donna Willette, President
Marty Parris, Honors and Awards Chairman
Craig Eckert and Kris Carter, Committee Members
Special Thanks to Vicki Biegle, AAPG–Tulsa, Award Design and Fabrication

AWARDEES

2022 PROFESSIONAL AWARDS
John T. Galey Memorial Award
Hannes E. Leetaru

Presidential Award
James McDonald

Honorary Membership Award
Christopher D. Laughrey

Distinguished Service Award
Donna C. Willette

Gordon H. Wood, Jr. Memorial Award (ES-EMD)
David “Randy” Blood

George V. Cohee Public Service Award
John A. Rupp

Outstanding Educator Award
Dr. Amy Weislogel

Division of Environmental Geosciences Meritorious Contributions Award
Olga Popova

2021 PRESENTATION AWARDS
A.I. Levenson Memorial Best Paper Award
Ashley Douds and Randy Blood

Ralph L. Miller Best Energy Minerals Div. Best Paper Award
Michael Jarvis

Pittsburgh Geological Society Best Presentation on Appalachian Geology
Randy Blood, Ashley Douds, and Milly Wright

Division of Environmental Geosciences Best Paper Award
Linda Sternback, Charles Sternbach, and Paul Schimoller

Vincent E. Nelson Memorial Best Poster Award
Michael Solis and Erika Danielsen

Energy Minerals Division Best Poster Award
David Harris and John Hickman

Division of Environmental Geosciences Best Poster Award
Samuel Hulett, Franklin Fugitt, and Christopher Wright

Margaret Hawn Mirabile Memorial Best Student Paper Award
No award

Dr. Jeffrey Reid C. Best Student Poster Award
Shailee Bhattacharya, Vikas Agrawal, Bennington Opdahl, and Shikha Sharma

CERTIFICATES OF MERIT
Champaign, IL

Meeting Chairs and Committees
General-Donna Willette & Hannes Leetaru
Tech. Program-Donna Willette
Field Trips-Scott Elrick
Sponsors & Exhibitors-
Stephanie Storckman & Stacee Dover
Student Expo-Joan Crockett & Cole Bowers
Short Courses-Nathan Webb
Core Workshop-Dmytro Lukhtai
Subsurface Hydrogen Workshop-Donna Willette
Critical Minerals Workshop-Jared Freiburg & Charles Bopp
Judging-Kendall Taft
Awards-Marty Parris
Entertainment-Kevin Strunk
Program Editor-Zohreh Askari
Design & Audiovisual-Daniel Byers
JOHN T. GALEY MEMORIAL AWARD
Hannes E. Leetaru

“In recognition of his career as a distinguished researcher, educator, and colleague; for important contributions to our understanding of Illinois Basin geology and service to AAPG, the Eastern Section, and our profession.”

Over a distinguished 32-year career, Hannes E. Leetaru has exemplified leadership and service to AAPG and the State of Illinois. Within the AAPG Eastern Section, Hannes has held office of President, Vice President, Secretary, and Treasurer while actively promoting and publishing research in areas of reservoir characterization, mapping protocols, and depositional systems. Hannes has shown sustained leadership in the areas of petroleum geology and energy storage including Carbon Capture Utilization and Storage, Compressed Air Energy Storage, and Natural Gas Storage. He has been both the Vice President and is currently President of the Division of Environmental Geosciences of AAPG. He has taught numerous short courses for AAPG in petroleum geology, energy storage, computer applications and mapping. Hannes has also been Chair or Co-Chair on Eastern Section meetings, an AAPG Hedberg Conference, and a joint Geological Society of London/AAPG conference.

As an author or co-author, Hannes on more than 75 publications, technical reports and articles covering a diversity of topics including energy storage, petroleum geology, stratigraphy, and reservoir characterization. He previously received the Eastern Section AAPG Distinguished Service Award and the Outstanding Educator Award. He has received the Eastern Section AAPG Certificate of Merit twice, and the Vincent E. Nelson Memorial Poster Award, Eastern Section DEG Best Paper Award (three-times), and the Eastern Section Levorsen Memorial Best Paper Award. He also received University of Illinois Chancellor’s Academic Professional Excellence Award for exceptional accomplishments in 2014 relative to his research at the Illinois State Geological Survey and work as an Adjunct in the Earth and Environmental Sciences Department of the University of Illinois at Urbana-Champaign.

His interest in Geology developed at a young age. Hannes was born in New York City and wanted to be a geologist since he was seven years old having helped his brother doing field research on old iron mines near the city. Hannes graduated from the State University of New York at Fredonia with a BS degree in Geology. He then went to Syracuse University where he received an MS degree in Geology. In 1978 Hannes became a petroleum geologist for the Getty Oil Company working in exploration and production in East Texas. Six years later he went to work for Union Pacific Resources as an exploration geologist working in West Texas, East Texas, and the Hugoton embayment of Kansas. In 1989 Hannes joined the Illinois State Geological Survey and began his prolific career in research and service. During this time Hannes completed his doctoral degree in Geology from the University of Illinois. Since obtaining his
Christopher Laughrey was born and raised in Johnstown, Pennsylvania, where, during high school, he was so enamored of Chemistry that he decided to major in it in college. One of his teachers, however, told him he would never be a chemist, so he applied to college as a Journalism major instead. While taking a course in Introductory Geology, he was blown away by the whole concept of plate tectonics and switched his major to Geology, and he never looked back.

Upon graduation from the University of Pittsburgh at Johnstown, Christopher worked as a Geophysical Analyst for Western Geophysical in Houston for three years before joining the staff of the Pennsylvania Geological Survey in Pittsburgh. There, he spent the next 30 years acquiring a solid reputation as a very thorough researcher on a variety of projects of benefit to the oil and gas industry in the Appalachian Basin. These included, but were not limited to, a study of the Medina Group reservoirs in northwestern Pennsylvania and work on multiple Upper Devonian sandstone reservoirs throughout western Pennsylvania. Christopher was also the Principal Investigator for the petrology and geochemistry portions of two multi-state Appalachian Oil and Natural Gas Research Consortium projects, which dealt with the Cambrian Gatesburg/Rose Run sandstones and the Trenton and Black River carbonates. Both of these projects gained wide interest in the industry. He also tackled the geochemistry of the organic rich Upper Devonian, Marcellus, and Utica shales, which was groundbreaking and eye-opening for many in the Eastern Section.

Christopher retired from the Survey in 2009 to pursue his interests in geochemistry as a Senior Geoscience Advisor with Weatherford Laboratories in Golden, Colorado. There, his work focused on the geochemistry and geology of unconventional resources in the Rocky Mountain, Mid-continent, Gulf of Mexico, and Appalachian Basin regions, with other projects overseas. After six years, he spent a year with Dolan Integration Group in Boulder, Colorado, as a Senior Geochemist. He is currently employed by Stratum Reservoir/Weatherford Laboratories in Evergreen, Colorado, where his primary responsibilities include the interpretation of natural gas geochemistry of conventional and unconventional reservoir rocks of the Appalachian Basin.”
gas, oil, and produced water chemical composition and isotope data.

Regardless of where he has lived and worked, Christopher has been actively involved with the Eastern Section AAPG, including as General Chair of the 1984 annual meeting held in Pittsburgh. He has been an active presenter at numerous meetings, and been the recipient of many awards, including: 1994 Outstanding Service Award; 1998 Vincent E. Nelson Memorial Award for Best Poster (Petroleum Geology and Geochemistry of the Council Run Gas Field, North-Central Pennsylvania); 2011 A. I. Levorsen Best Paper Award (Black Shale Diagenesis: Preliminary Insights from Integrated High-Definition Analysis of Post-Mature Marcellus Formation Rocks, Northeastern Pennsylvania) shared with Weatherford colleagues; and 2016 AAPG Energy Minerals Division Ralph L. Miller Best Paper Award and Pittsburgh Geological Society Best Paper on Appalachian Geology Award (The Stable Isotope and Noble Gas Geochemistry of Point Pleasant, Utica, Tuscarora, and Trenton/Black River Formation Production Gases, Northern Appalachian Basin). He has also been invited to give some of these and other talks at topical AAPG conferences such as: August, 2001 AAPG Hedberg Research Conference on sequence stratigraphy in Dallas; December, 2010 AAPG/SEG/SPE/SPWLA Hedberg Conference on shale resource assessment in Austin; May, 2011 Hedberg Research Conference on natural gas geochemistry in Beijing, China; and October, 2016 AAPG-SEPM Hedberg Research Conference on mudstone diagenesis in Santa Fe.

Despite working on projects around the world for the past 13 years, Christopher still holds the Eastern Section AAPG near and dear. He got his start here and has continued to attend meetings and give outstanding presentations. And, we are very happy to report, he will soon be moving back to the Eastern Section where he will continue to provide outstanding work on the geology and geochemistry of petroleum reservoirs here and elsewhere. For all his work on geology and geochemistry, especially as it applies to Appalachian Basin oil and gas, the Eastern Section AAPG Honorary Membership Award is presented to Christopher D. Laughrey.

Citationists: John A. Harper and Kristin M. Carter

PRESIDENTIAL AWARD

James McDonald

“In recognition of his contributions to AAPG Eastern Section and dedication to making geologic data easily accessible to industry, education, and public interests.”

Jim McDonald is a rock-solid geologist at the Ohio Department of Natural Resources, Division of
Geological Survey. He has worked at the Ohio Department of Natural Resources (ODNR) for over 32 years, where he is the current Program Supervisor of the Ohio Geological Survey’s Energy Group. Jim is a certified Professional Geologist in both Kentucky and Pennsylvania. He has been an active member of AAPG for over 31 years and has made significant contributions to Eastern Section AAPG (ESAAPG), and to our understanding of Ohio geology.

Jim received a B.S. in Geology from the University of Delaware in 1983 and an M.S. in Geology/Geophysics from the Ohio State University in 1990, where, in his thesis research, he used satellites to study the West Antarctic ice sheet. As part of his graduate school research, Jim went on two expeditions to Antarctica and one to Greenland. After a brief internship at the Ohio Geological Survey, Jim was hired as a Geologist 3 in 1991. While at the Survey he worked on the Rose Run Report, subsurface mapping of the Knox Group, Appalachian Gas Atlas, and was instrumental in creation of the oil and gas well GIS. Jim began to incorporate more GIS analysis in geologic products as a GIS Specialist in 1999, in addition to working on a coal-resource assessments, the Abandoned Underground Mines Program, as well as contributing to several CO$_2$ sequestration projects including MIDCARB, Future Gen, and MRCSP. In 2011, Jim became the head of the Survey’s Technology Transfer Group, which was responsible for publications preparation, sales, GIS implementation, and IT operations. In 2014 ODNR centralized all GIS personnel to it’s Office of Information Technology, where Jim used his GIS skills for other Divisions at ODNR including the Ohio Geological Survey. Jim returned to the Survey in 2019 as the Energy Group Supervisor, providing leadership and expertise to a relatively young group of geologists. One of the first things he did was make the State’s collection of oil and gas well geophysical logs freely available for download. He is constantly working on cataloging and recording data held by the Survey and updating the Survey’s databases, along with working on the MRCI and Utica/Point Pleasant EOR projects.

Jim is an active member of the Ohio Geological Society (OGS), an AAPG affiliated society, and has served as Treasurer (1998-1999), Secretary (1999-2000), Vice President (2000-2001), President (2001-2002), and Trustee. Jim was also instrumental in the OGS’s website development and scanning of the OGS publications.

Jim has also served as the ESAAPG Treasurer (2011-2012), Vice President (2012-2013), President (2013-2014), and House of Delegates (2021-2022). As president of ESAAPG, Jim produced an operations manual and implemented a forward looking budget to help the ESAAPG’s long term planning. Jim is also active on a number of AAPG committees including the EMD Coal and Coalbed Methane Committee, AAPG Computer Application and Internet Committees, GIS Publications Committee, and Education Committee.

On his own initiative, Jim has been nominating deserving geoscientists for honors at both the national AAPG and ESAAPG level. At the national level, several geologists nominated by Jim have been awarded AAPG Honorary Membership along with the highest honor, the Sydney Powers Award. At the ESAAPG level, several of Jim’s nominees have received the highest award, the John T. Galey Memorial Award.

Jim has been recognized for his achievements throughout his career earning multiple awards including an Antarctic Service Medal (U.S. D.O.D.), Ralph L. Miller Best Energy Minerals Division Paper (ESAAPG), Certificates of Merit (AAPG, ESAAPG), Distinguished Service Award (ESAAPG), and the A.I. Levorsen Memorial Award for Best Scientific Paper (ESAAPG).

This brief description demonstrates Jim’s dedication to his profession and making geologic data more readily available. Jim McDonald is truly deserving of the ESAAPG Presidential Award.

Citationist: Michael Solis
In recognition of exemplary service and poise on the AAPG Eastern Section Executive Committee under sometimes trying conditions.”

Donna Caraway Willette attended Colorado State University where she received both her undergraduate and graduate degrees. While an undergraduate she joined AAPG in 1986. She earned her MS in Geology in 1989 following completion of her thesis entitled: “The Stratigraphic/Sedimentology and Petroleum Potential of the Codell Sandstone, Denver Basin, CO.” Soon after graduation she accepted a position as an Exploration Geoscientist with ARCO International and ARCO Oil and Gas in 1989. She worked in Midland and Plano, Texas for the next six years on both international and domestic oil and gas exploration.

In 1998 Donna was granted an internship with BP in Houston where she shifted her focus to petroleum geochemistry. Her interest on geochemistry continued when, in 2005, she was accepted into a PhD program at the Colorado School of Mines. During the same period, and for the next several years, she also worked as a research geologist for the USGS and taught classes in geochemistry and geology at Colorado State University.

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In 2014, Donna moved to Urbana-Champaign, Illinois to accept a position as Petroleum Geologist/Petroleum Geochemist for the Advanced Energy Technology Initiative with the Illinois State Geological Survey. Today, Donna is a Petroleum Geochemist Research Scientist at the Illinois State Geological Survey/University of Illinois Urbana-Champaign. Her areas of expertise include petroleum systems modeling, petroleum and isotope geochemistry, and unconventional petroleum systems with a specialization in maturity modeling and biomarker characterization. Donna’s research interests also include thermal maturity modeling of subsurface stratigraphic intervals; experimental pyrolysis of source rocks, oils, and extracts; migration modeling of subsurface petroleum fluids; correlation of rock and fluids using biomarkers and aromatic markers; organofacies mapping and modeling; unconventional petroleum resource characterization; seal/caprock characterization; and STEM outreach and mentoring.

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Vice President and currently President. She has also continued to be active in her local affiliated society where currently she is Vice-President of the Illinois Geological Society. For the 2022 Eastern Section AAPG Annual Meeting, Donna is this year’s Meeting Co-Chair with Hannes Leetaru, and is also this year’s Technical Program Co-Chair with Nathan Webb.

In recognition of her contributions to the furtherance of the Eastern Section by her outstanding leadership while serving on the Executive Committee, Donna Caraway Willette is highly deserving of this year’s Distinguished Service Award.

Citationist: Craig Eckert

GEORGE V. COHEE PUBLIC SERVICE AWARD
John A. Rupp

“In recognition of exceptional public service throughout his distinguished career of research, teaching and mentoring at Indiana University.”

AAPG members have a front seat to myriad debates and on how and where energy comes from to power modern society. The global economy has made energy a highly interconnected commodity and, in doing so, made the perspective of geologists more important than ever. The 2022 recipient of the George V. Cohee Public Service Award, John Andrew Rupp, is an exemplar of a professional geologist who has stepped in and given a seat to geologists in the public policy domain.

Following a Bachelor's degree in geology at the University of Cincinnati and a Master's degree at Eastern Washington University, John started his career as a production geologist at Exxon. After two years John moved to the Indiana Geological Survey—now the Indiana Geological and Water Survey—where he worked as a research geologist and served as head of the Petroleum, Energy Resources, and Subsurface Geology sections. From 2006 through 2010, John served as Assistant Director for Research. In his tenure at the Indiana Geological Survey, John was involved in research directly linked to energy and resource development, such as, carbon sequestration, enhanced coal bed and shale gas methane, storage of liquid wastes, and others.

Following a passion for mission-based science in the public interest, John held an adjunct faculty position in the School of Public and Environmental Affairs at Indiana University during his later years with the Indiana Geological Survey. Then in 2018 he was appointed as a clinical associate professor in the School of Public and Environmental Affairs. In this role, John has been busy developing courses covering diverse energy topics including alternative electricity ratemaking, energy storage, electrical charging for vehicle fleets, and renewable and nuclear energy systems. In addition to teaching, John’s interest in public policy has led to his serving on graduate student committees from diverse departments including, for example, earth sciences, public and environmental affairs, law school, and international studies. Students at Indiana University and beyond have been the beneficiaries of John’s mentorship and passion at the nexus of energy and public policy.

Citationists: Kevin Ellett and Marty Parris
“In recognition of his leadership in the advancement and dissemination of shale research.”

David R. Blood, Randy to those that know him, is truly a diverse, well-rounded geologist. He leads field trips examining Devonian shales on the Lake Erie shoreline, picks core points while on drilling rigs, analyzes real-time XRF samples for chemosteering, and creates petrophysical models to map in-place resources or select a landing point. Few geologists can claim such a diverse skill set.

Randy has always understood the significance of integrating data from different sub-disciplines and different scales. He uses outcrop knowledge to inform his subsurface interpretations and uses microscopic investigations to predict the way shales will behave over entire horizontal wells. Randy does not fear venturing into areas he is not familiar with and is diligent in researching topics to gain a fuller understanding. He has the unique ability to incorporate multiple aspects of geology and translate them into meaningful information for people working in other disciplines.

He is also very generous with his knowledge by giving back to the geoscience community. He leads field trips for all who are curious on how we know what we know about shales from outcrop studies. And it was Randy’s idea to freely disseminate information on the Dunkirk Shale Critical Minerals Project so it would be seen as a research project and an educational tool. In addition, he volunteers for the Energy Minerals Division of AAPG and the Potential Gas Committee.

This award is given to Randy in recognition of his leadership in the advancement and dissemination of shale research.

Citationist: Ashley Douds
OUTSTANDING EDUCATOR AWARD
Dr. Amy Weislogel

“In recognition of her dedication to undergraduate education in geology through teaching, grant writing, and mentoring at West Virginia University”

Amy Weislogel was born and raised in Erie, Pennsylvania on the shores of Lake Erie in the northwest “chimney” of the state. She was a first-generation college student who completed a Bachelor’s degree in Geology with a minor in Political Science at Allegheny College (Meadville, PA). She earned her Master’s degree in Geology at New Mexico State University (Las Cruces, NM) studying 66 million-year-old delta deposits in northeastern Mexico. For her PhD, she traveled even further from her Pennsylvania home to Stanford University in California, where she focused on the tectonics in central China 200-250 million years ago.

Upon completion of her PhD, she began teaching at the University of Alabama, Tuscaloosa in 2007 where she served for three years before relocating to West Virginia University (Morgantown, WV) in 2010. Here, Amy quickly succeeded in winning not one but two external grants from the National Science Foundation. By 2016, Amy was promoted to Associate Professor of Geology. In addition to her work in academia, Amy has work experience in the petroleum and environmental industries, and has conducted research around the globe (Mexico, China, southern Chile and South Africa). Her research foci include sedimentary petrology, sedimentology, and stratigraphy.

Amy is the author of more than 38 peer-reviewed journal articles and more than 100 abstracts. She has served as lead or co-investigator on more than $1.7 million in external funding for her research and has mentored more than 15 Masters and Doctoral students, many of whom have gone on to prestigious graduate programs, professorships, and industry placements. Alongside her incredible research productivity, Amy has committed herself to the education of students at all levels, from pre-school through graduate students. By all measures, Amy exemplifies what it means to be a teacher-scholar.

Amy has championed excellence in teaching at WVU and in her discipline. She is a faculty associate with the WVU Teaching and Learning Commons and has participated in several workshops and panels on their behalf. She regularly attends educational development workshops and trainings where she seeks to improve her pedagogy and bring new ideas to campus. She has been particularly active with the Earth Educators Rendezvous by both participating in and leading workshops. At the national level, Amy has served on the National Association of Geoscience Teachers (NAGT) Diversity Equity and Inclusion Committee since 2020 and as chair since 2022. In this role, she has facilitated workshops on inclusive teaching practices and organized a comprehensive review of instructional activities for the NAGT-curated online collection.

Amy has been on the leading edge of diversifying students, faculty, and teaching approaches at WVU since she arrived in 2010. She believes that excellence
in the classroom requires inclusive practices, and her record reflects this commitment. At WVU, she has served as a member and chair of the departmental Diversity, Equity, and Inclusion Committee, she has sought grant support for her work with low income, first generation and Black, Indigenous, and People of Color (BIPOC) students from Appalachia, and she has hosted local events and activities in the region serving students from pre-school through middles school. She has organized workshops to connect middle and high school girls with geoscience, offered opportunities to connect local teachers with geoscientists through Skype-A-Scientist, served multiple times as a science fair judge for a local elementary school and hosted events at local science museums and pre-schools.

WVU is fortunate to have a scientist and educator like Amy, who has made an impact on geoscience education in her classroom, across her institution, her state, and nation. We look forward to her future successes.

Citationist: Amy Hessl

“In recognition of outstanding leadership, advocacy, and service to the goals of the Division of Environmental Geosciences, and most notably for serving as Editor-in-Chief of Environmental Geosciences from 2018 – 2021.”

Dr. Olga Popova is a geologist and lead petroleum engineer for the U.S. Department of Energy (DOE)'s Energy Information Administration (EIA)'s Office of Energy Production, Conversion & Delivery, where she serves as a subject matter expert on energy policy, developing comprehensive, objective reports and policy analysis on energy policy and sustainable resource development for both EIA and DOE senior management. Most notably, Olga led EIA’s U.S. Energy Mapping Program and steered development of its online, interactive U.S. Energy Atlas.
Dr. Popova earned Bachelor of Science and Master of Science degrees in Geology and Geophysics from Novosibirsk State University (Novosibirsk, Russia) in 1998. She moved to the U.S. in 2000, working first as a well site geologist in California and then as an environmental consultant in Washington State. In 2008 – 2009, Olga served as Program Director for the Environmental & Natural Resources Department for Snoqualmie Tribe (Snoqualmie, Washington), where she led the development of tribal policy on natural resources and climate change adaptation; evaluated the effectiveness of tribal policies; and directed preparation of the Tribe’s Integrated Resource Management Plan and Strategic Climate Action Plan. During this time, Olga also earned a Master of Science degree in Information Management from the University of Washington (Seattle, Washington).

At this point in her career, Olga moved eastward, landing in Pittsburgh to pursue a Ph.D. degree in Engineering and Public Policy at Carnegie Mellon University (CMU). This is how Olga and I came to meet and begin working together; I was honored to serve on her Ph.D. Advisory Committee as she conducted research on geologic carbon storage resource assessment methodologies and best practices using the Appalachian basin's Oriskany Sandstone as her storage formation of choice. Olga has analyzed methods and best practices for subsurface CO₂ storage, assessed the feasibility of subsurface carbon sequestration to mitigate climate change, and investigated carbon storage costs by developing and applying stochastic geo-engineering models for subsurface carbon storage scenarios. Olga received her doctoral degree from CMU in 2014.

An AAPG member for more than twenty years, Dr. Popova has served and supported the Division of Environmental Geosciences (DEG) not just through her own research but also by serving as the Division's Editor-in-Chief from 2018 to 2021 (two terms). Olga received the AAPG DEG President’s Award in 2020 for her service and commitment to the division. Not only was she responsible for driving the strategic direction of the *Environmental Geosciences* Journal in collaboration with the DEG Advisory Board, Olga was also a particularly strong advocate for the Journal during its transition to become part of the AAPG Bulletin in mid-2021.

Dr. Popova has a strong love of Appalachian basin geology and has assessed the geology and production potential of both the Devonian Marcellus and Ordovician Utica shale gas plays here in the basin for EIA. In addition, Olga serves as the EIA representative to the Potential Gas Committee, where she has participated in member meetings and assisted with biennial Atlantic Area natural gas resource assessment reviews for the past four years.

Dr. Popova is most deserving of the DEG Meritorious Contributions Award, given her technical contributions to petroleum geosciences in general and dedication to the *Environmental Geosciences* Journal in particular.

Citationist: Kristin M. Carter

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**To our Members, Eastern Section AAPG:**

You are an important part of our Honors and Awards process, so please become involved in the most joyful committee in Eastern Section. Many thanks are extended to those who help us recognize and honor our distinguished colleagues, through submitting nominations, writing citations, and serving on the Honors and Awards Committee.

Next year when we ask for your help in nominations for awards, please join in this wonderful process that shines a light on our friends and colleagues.
Scientific Presentation Awards from the 2021 Eastern Section Annual Meeting
Pittsburgh, Pennsylvania

A.I. Levorsen Memorial Best Paper Award
Ashley S.B. Douds and Randy Blood, “The Marcellus Shale: Geologic Controls on Reservoir Quality and Geochemical Aspects of Future Potential Resources”

Ralph L. Miller Memorial Best Energy Minerals Division Paper Award (Eastern Section)
Michael Jarvis “The Appalachian Super Basin Utica-Point Pleasant Play Update”

Division of Environmental Geosciences Best Paper Award (Eastern Section)
Linda R. Sternbach, Charles A. Sternbach and Paul Schimoller “Seismic Stratigraphy, Oil & Gas, and CCUS Potential of the Illinois Wabash Fault Zone and Kentucky Rough Creek Graben Using High-Quality Mega-Regional 2D Seismic Lines”

Vincent E. Nelson Memorial Best Poster Award
Michael P. Solis and Erika Danielsen “Mapping Update of the Middle to Upper Ordovician Black River Group to Utica Shale interval, Ohio”

Energy Mineral Division Best Poster Award
David C. Harris and John B. Hickman “Lithofacies, Depositional Setting, and Sequence Framework of the Cambrian Rogersville Shale, Rome Trough, Kentucky”

Division of Environmental Geosciences Best Poster Award
Samuel R.W. Hulett, Franklin L. Fugitt, and Christopher E. Wright “Qualitative REE analysis of Ohio Underclays by pXRF”

Margaret Hawn Mirable Best Student Paper Award
No award

Dr. Jeffery C. Reid Best Student Poster Award
Shailee Bhattacharya, Vikas Agrawal, Bennington Opdahl and Shikha Sharma “Phase Associations of Rare Earths and Critical Minerals in Marcellus and Haynesville Shale: Implications on Release and Recovery Strategies”

Pittsburgh Geological Society Award for Best Presentation on Appalachian Geology
David R. Blood, Ashley S.B. Douds, and Milly Wright “A Proposed Model for Quantifying Critical Mineral Occurrence from Unconventional Sources: An Example from the Marcellus Shale, Appalachian Basin, USA”
Eastern Section Award Descriptions

**Professional Performance Awards**

**JOHN T. GALEY MEMORIAL AWARD**

*Established 1993*

The highest honor bestowed by the Section in honor of its first president to recognize outstanding accomplishments and contributions to our profession and works directed toward the betterment of society.

**HONORARY MEMBERSHIP**

*Established 1982*

The second highest honor bestowed upon members who have distinguished themselves by service and devotion to the science and profession of geology and the Eastern Section.

**DISTINGUISHED SERVICE AWARD**

*Established 1975*

Presented to members who have distinguished themselves in service to the Eastern Section.

**GEORGE V. COHEE PUBLIC SERVICE AWARD**

*Established 1985*

Presented in recognition of distinguished service and achievement in public affairs by geologists.

**GORDON H. WOOD, JR. MEMORIAL AWARD**

*Established 1989*

Presented in recognition of outstanding contributions to the geology of coal and other energy minerals, and the goals of the AAPG's Energy Minerals Division in the Eastern Section.

**OUTSTANDING EDUCATOR AWARD**

*Established 1986*

Presented in recognition of outstanding contributions to the education and training of geologists.

**DIVISION OF ENVIRONMENTAL GEOSCIENCES MERITORIOUS CONTRIBUTIONS AWARD (EASTERN SECTION)**

*Established 1993*

Presented in recognition of outstanding contributions to environmental geology and the goals of the AAPG's Division of Environmental Geosciences in the Eastern Section.

**PRESIDENTIAL AWARD**

*Established 1998*

Presented only as deemed necessary in recognition of outstanding achievement not covered by other awards.

**CERTIFICATE OF MERIT**

*Established 1987*

Presented to members who have made an outstanding contribution(s) to the Section.

**Scientific Presentation Awards**

**A. I. LEVORSEN MEMORIAL BEST PAPER AWARD**

*Established 1966*

Presented for the best scientific paper given at the annual meeting of the Eastern Section.

**MARGARET HAWN MIRABILE MEMORIAL BEST STUDENT PAPER AWARD**

*Established 1986*

Presented for the best student paper given at the annual meeting of the Eastern Section.

**VINCENT E. NELSON MEMORIAL BEST POSTER AWARD**

*Established 1988*

Presented for the best scientific poster presented at the annual meeting of the Eastern Section.

**RALPH L. MILLER MEMORIAL BEST ENERGY MINERALS DIVISION PAPER AWARD (EASTERN SECTION)**

*Established 1990*

Presented for the best coal geology paper given at the annual meeting of the Eastern Section.

**ENERGY MINERALS DIVISION BEST POSTER AWARD (EASTERN SECTION)**

*Established 1990*

Presented for the best coal geology poster presented at the annual meeting of the Eastern Section.

**DIVISION OF ENVIRONMENTAL GEOSCIENCES BEST PAPER AWARD (EASTERN SECTION)**

*Established 1993*

Presented for the best environmental geosciences paper at the annual meeting of the Eastern Section.

**DIVISION OF ENVIRONMENTAL GEOSCIENCES BEST POSTER AWARD (EASTERN SECTION)**

*Established 1993*

Presented for the best environmental geosciences poster at the annual meeting of the Eastern Section.

**DR. JEFFREY C. REID BEST STUDENT POSTER AWARD**

*Established 2006*

Presented for the best scientific poster presented by a student at the annual meeting of the Eastern Section.

**PITTSBURGH GEOLOGICAL SOCIETY AWARD FOR BEST PRESENTATION ON APPALACHIAN GEOLOGY**

*Established 2015*

Presented by PGS for the best Appalachian basin geology paper (professional or student) at the annual meeting of the Eastern Section.
In Memoriam

Larry Woodfork (1939-2022)

Larry D. Woodfork was born in Vincennes, Indiana on May 30, 1939 to Basil R. and Eva L. Sayre Woodfork. He graduated from Lincoln High School and then attended a two-year program at Vincennes University. After Vincennes University, Larry received bachelor's and master's degrees in geology from Indiana University. Later, he completed doctoral course work in geology with a minor in petroleum engineering at West Virginia University. His professional experience included geologic field work for Chevron in the northern Rocky Mountains, work as a research associate in industrial minerals at the Indiana Geological Survey, and time as an exploration geologist for Exxon in its south Texas division.

Larry began his long career with the West Virginia Geological and Economic Survey in 1968 and was appointed Assistant State Geologist in 1969. On August 1, 1988, the governor appointed him Acting Director, and ultimately, he became Director and State Geologist on January 20, 1989. He also held appointments as Adjunct Professor of Petroleum Engineering in the College of Energy and Mineral Resources and Adjunct Professor of Geology in the Department of Geology and Geography at West Virginia University.

Larry was certified as a Professional Petroleum Geologist by both AAPG and the American Institute of Professional Geologists (AIPG). He served on numerous AAPG and Eastern Section AAPG committees, was a speaker for the AAPG Visiting Professional Geologist program, and held all Eastern Section offices, culminating in its presidency in 1979-80. He served as the Eastern Section representative on the AAPG Advisory Council from 1982 through 1985, chaired the AAPG House of Delegates in 1985-1986, and served as president of the AAPG Division of Environmental Geosciences.

Larry also served as President of the American Geological Institute (AGI), the American Institute of Professional Geologists (AIPG), and the Association of American State Geologists (AASG). In addition to his memberships in AIPG, AAPG, AASG, he also was a member of numerous other professional societies: Appalachian Geological Society, Pittsburgh Geological Society, Pittsburgh Association of Petroleum Geologists, Sigma Gamma Epsilon, Sigma Xi, Geological Society of Washington, D.C., and a founding member of the Monongahela Group, northern West Virginia's geological society. Due to his leadership and service to the profession, Larry was elected to membership in the prestigious Cosmos Club of Washington, D.C., in 1986. Because of his excellent scientific reputation and acumen, he was asked to serve on a prestigious committee of the National Academy of Science, National Research Council on energy issues.

Larry was recognized by numerous awards for his service to the profession. He received the AIPG Ben H. Parker Medal and was the first recipient of AIPG’s Martin C. Van Couvering Award for distinguished service in 1979. He also received the AGI Medal in Memory of Ian Campbell, was a Senior Fellow of the Geological Society of America and an Honorary
Member of AIPG and AASG. The Eastern Section AAPG honored him with their Distinguished Service Award in 1984, Honorary Membership in 1986, and the 1994 award for meritorious contributions to environmental geoscience in the east. At the national level, he received AAPG’s Distinguished Service Award in 1979 and, in 1990, AAPG’s oldest and second highest national award, Honorary Membership. Further recognition in 1990 came with the Eastern Section AAPG awarding Larry their highest honor, the John T. Galey Memorial Award.

Because of his contributions to the West Virginia oil and natural gas industry, Larry was named the "West Virginia Oil and Gas Man of the Year" in 1991. That same year he was honored with an "Alumni-Faculty Citation Award" from Vincennes University and received the 1991 Richard Owen Memorial Award as an outstanding alumnus of Department of Geosciences at Indiana University. In 1993, for his patriotism, Larry received the Nathan Hale Award from the Reserve Officers Association of the United States, certificates of appreciation from the Support of the Guard and Reserve Association and two certificates of appreciation from the U.S. Naval Academy.

Larry was a dedicated scientific contributor authoring and coauthoring numerous professional publications, abstracts, maps, and journal articles dealing with energy resources, stratigraphy, petroleum geology, and environmental geology, as well as numerous management and administrative reports and documents. He served as an advisor to the board of The Colonel, Inc. of the Drake Well Museum in Titusville, Pennsylvania, and was appointed to the board of the Drake Well Museum.

Following his retirement from the West Virginia Geological and Economic Survey in 2002, Larry continued to participate in professional organizations and other activities promoting the geosciences. His largest such endeavor was serving as Chairman of the Board of Directors and Officers of the Corporation of the International Year of Planet Earth (2007 - 2009), a joint global initiative of UNESCO and the International Union of Geological Sciences.

Larry Woodfork died on August 22, 2022, and is preceded in death by his beloved wife, Myra Fox Woodfork, in 1991. He leaves behind his two daughters, Karen and Jessica, and his grandson, Julian Van Dyke as well as four nephews and six nieces.

By Carl Smith and James McDonald

Robert (Bob) Milici (1931-2022)

Dr. Robert Calvin Milici, Bob as he was known, was born in New Haven, Connecticut on August 8, 1931, to Dr. Pompeo S. Milici and Margaret Koren Milici. He grew up on the grounds of Kings Park Psychiatric Center in Smithtown, New York, where his father practiced as a resident psychiatrist. Bob loved living on Long Island Sound playing baseball, swimming, boating, and digging worms for extra cash.

Bob entered Cornell University in 1949 and majored in chemistry until he discovered geology in his junior
year. He graduated in 1954, with an A.B. degree in Geology. Subsequently, Bob attended the University of Tennessee, where he received a M.S. in Geology in 1955 and a Ph.D. in Geology-Metallurgy in 1960. While in graduate school, Bob met his wife, Patricia Ann (Patty) Hankley, and they were married in 1958.

While working on his Ph.D., Bob worked for the Tennessee Division of Geology between 1958 and 1961. After completing his Ph.D., Bob went to work for the Virginia Division of Mineral Resources, where he helped compile the 1963 Geologic Map of Virginia. He then went back to the Tennessee Division of Geology, where he mapped the structure and stratigraphy of Paleozoic rocks in the Cumberland Plateau and the Valley and Ridge Provinces. Bob's major scientific contributions during this time included numerous geological maps and journal publications, interpreting and documenting the distribution and deformational style of regional thrust sheets and their seismic expression, and documenting and interpreting the fabric of highly fractured thrust sheets and the importance to gas reservoirs. This rigorous, hands-on field training gave Bob the background and expertise for his later contributions involving the energy resources of the Appalachian Basin.

In 1979, Bob left the Tennessee Division of Geology to become the Commissioner of Mineral Resources and State Geologist for the Commonwealth of Virginia, a position he held for almost 13 years. As State Geologist, Bob was an outstanding leader directing multidisciplinary teams and projects such as coal mine hazards, fossil fuels research, bedrock geological maps, and collaborative studies of regional aquifers with the USGS Water Resources Division. Even as the State Geologist of Virginia, he continued to conduct research and publish, which included significant contributions to the Geological Society of America Decade of North American Geology (DNAG) volume on the history and energy resources of the Appalachian Basin.

Bob joined the U.S. Geological Survey (USGS) in 1992 and served as Chief of the Branch of Sedimentary Processes and the Branch of Coal Geology for three and a half years. Despite demands as Branch Chief, Bob maintained a deep interest and commitment to energy resource issues and this is reflected by his contributions to: 1) the DOE-funded Atlas of Major Appalachian Gas Plays, in which he authored the chapters on the stratigraphic history of the Appalachian Basin, the Fort Payne carbonate mound play, and the Upper Devonian gray and black shales play; 2) a chapter on self-sourced gases in the Appalachian Basin, published in USGS Professional Paper 1570 on the Future of Energy Gases; 3) the USGS 1995 National Assessment of Undiscovered Oil and Gas Resources; 4) the USGS-Geological Survey of India study of selected Indian coalfields; and 5) the USGS methodology of coal-resource assessment.

When Bob moved to Reston, Virginia, in 1996 as a USGS research geologist he became chief of the Appalachian Basin Assessment of Undiscovered Oil and Gas Resources project, part of a congressional-mandated program to better understand the nation's petroleum resources. Bob also led a highly successful assessment of the natural gas potential of Bangladesh in support of USGS, Department of Energy, and State Department requests. The assessment has been significant for Bangladesh and the Indian subcontinent to help identify energy resources in an energy deficient area of the world. Domestically, Bob continued work on regional and national gas and coal assessment projects, which resulted in a: 1) 2002 professional paper on coalbed methane production in the Appalachian Basin; 2) 2004 assessment of Appalachian Basin oil and gas resources, 3) 2004 coalbed methane assessment of the Pennsylvania Anthracite District, 4) 2005 assessment of natural gas resources in Devonian black shales of the Appalachian Basin, 5) 2011 assessment of the Devonian Marcellus Shale of the Appalachian Basin, and 6) 2014 stratigraphic framework and total petroleum system analyses of the Appalachian Basin.

Bob retired from the USGS on March 31, 2013 but continued his research and scientific contributions as an emeritus researcher until 2017. During his career, Bob was the author of over 150 publications, and numerous abstracts. His significant output resulted in numerous awards and recognition. He received the
Bob Milici received the AAPG Michel T. Halbouty Human Needs Award from AAPG for his contributions toward understanding the energy resources of the Indian subcontinent. He was honored by the University of Tennessee as a Distinguished Alumnus in 2002. In 2017, Bob was awarded the Eastern Section-AAPG Gordon H. Wood, Jr. Award in recognition for excellence in research, service, and leadership on the geology of energy minerals. He was presented with the Dallas Peck Outstanding Scientist Emeritus Award from the USGS in 2017. In 2005 Bob received the highest award from the Eastern Section-AAPG, the John T. Galey Memorial Award, for his distinguished career as a research geologist, geosciences administrator, and public servant and his lasting contributions to the geology and energy resources of the Appalachian Basin.

Bob was a field geologist at heart and pursued this interest (structure, tectonics, and stratigraphy of the Appalachian Mountain chain and adjoining basin) at every opportunity. He possessed a unique gift of keen observation, prodigious memory, and the ability to make sound deductions from those observations.

Bob Milici died on August 18, 2022, leaving behind his wife, Patty, a son and daughter, three grandchildren, and a great-granddaughter.

By James McDonald, Steve Greb, and Robert T. Ryder

Philip (Phil) Martin (1929-2022)

The Eastern Section AAPG lost a great friend, geologist, and leader on January 12, 2022. Born on July 12, 1929, in Huntington, WV, Philip Martin was an exceptional example of both leadership and innovation for understanding the complex structural geology of the Appalachian Basin. A native of Huntington, WV, Phil attended Hanover College for two years and later transferred to University of Michigan, where he earned his undergraduate degree in Geology in 1951.

Phil was prepared to begin graduate school at Michigan, but because of the ongoing Korean War, entered the Air Force as a 2nd Lieutenant instead. Phil was assigned to the Air Force Strategic Air Command, where he was part of the Aerial Photo and Radar Interpretation and Intelligence Group. After his honorable discharge as a 1st Lieutenant two years later, Phil married, and he and his wife Jakie moved to Denver, where he was employed by a photogeologic consulting company. There he learned the lifelong skill of photogeologic mapping, of which he would become a foremost expert in the field, and which would ultimately help to define his E&P career.
success. For the next two years, Phil honed his photogeologic mapping skills in Raton, Powder River, and Wind River Basins. Then in 1956, he was hired by Phillips Petroleum as an Exploration Geologist, first in their Denver, CO office, and later Billings, MT. For the next eight years, he worked on several large projects including photogeologic and field mapping in the southwest Wyoming overthrust belt, north and south flanks of the Uinta Mountains in Utah and Wyoming; Axial Basin and Wilson Creek areas in northwest Colorado; Sand Wash and Washakie Basins in Colorado and Wyoming; Gros Ventre and Jackson Hole areas in northwest Wyoming; Utah Canyon area in the Henry Mountains of Utah; Balcones-Luling Fault areas in southeast Texas; Western Kentucky Fault zone; Appalachian Foreland Fold and Thrust Belt in Pennsylvania, Maryland, and West Virginia; Appalachian Ridge and Valley Province in Maryland, West Virginia, and Virginia; Cumberland Overthrust Block in Kentucky, Tennessee, and Virginia; Black Warrior Basin in Alabama; and the Alaskan Peninsula.

In 1964, he and Jakie returned to their native state of West Virginia, where Phil began a three-year consulting career in Buchanan, WV. His talents as a detailed-oriented photogeologist soon got the attention of Consolidated Gas Supply Corporation, which hired him in 1967. During his tenure at Consolidated Gas, Phil worked as Manager of Oil Exploration and Development, Chief Geologist for Research, Chief Geologist for Deep Formations, and Special Projects Geologist. He was key in developing the company’s shallow oil potential, as he meticulously mapped previously overlooked oil shows and geologic indicators in the pursuit of undiscovered oil reserves. This hard work resulted in the discovery and development of several important oil producing areas for Consolidated Gas. Phil mentored and trained numerous geologists thru these pursuits and continues to eagerly share in his knowledge and experience with fellow geologists today. His work there also included extensive photogeological mapping in Pennsylvania, Maryland, West Virginia including all of the Broad Top Basin. In 1983, CNG Development was formed from Consolidated Gas and its sister companies, and Phil continued his leadership and scientific/technical roles as Chief Geologist, Manager of Development, and Manager of Exploration and Development – Southern Division.

Throughout Phil’s 33 years with CNG, he continued working on numerous important special projects, applying his photogeologic expertise to the mapping of Somerset and Fayette Counties in Pennsylvania, Morgan and Berkley Counties in West Virginia, and Scott County, Tennessee. Upon the completion of this mapping, new geologic relationships between surface structure and deeper production were seen, allowing future explorationists a better glimpse into the complexities of Appalachian structure. His unique approach to mapping could be used to identify previously unmapped features and structural relationships. While at CNG, Phil’s management and supervision led to the drilling of more than 1,000 Appalachian Basin oil and gas wells. While at CNG Development Company, Phil was also known for his efforts in many other company projects and endeavors, such as laying the technical groundwork for involvement in Coal Bed Methane plays.

After retiring in 1990, Phil continued to specialize in the unique and important mapping technique of photogeologic mapping. As a consultant, he carefully mapped nearly 100 quadrangles, mostly in Pennsylvania along the high fold plateau province, where myriad relationships can be seen between the detailed shallow and less controlled deeper structure. Careful mapping and strict attention to detail were at the forefront of Phil’s work ethic.

In 1988, Phil received Eastern Section AAPG’s Distinguished Service Award, and in 1993 was awarded Honorary Membership.

For those fortunate enough to have worked with Phil, their outlook on the profession, and much of their current geologic understanding has resulted from his kind, patient, and sincere mentoring. Always a gentleman and a true professional, Philip Martin will be dearly missed from our geological community.

By Craig A. Eckert
Past Eastern Section Awardees

PROFESSIONAL AWARDS

John T. Galey Memorial Award
1993 Gerald M. Friedman
1994 Alan H. Coogan
1995 Aureal T. Cross
1996 Larry D. Woodfork
1997 Arthur M. Van Tyne
1998 Robert R. Jordan
1999 Wallace de Witt, Jr.
2000 Samuel T. Pees
2001 Robert D. Hatcher, Jr.
2002 Carl J. Smith
2003 G. Warfield Hobbs, IV
2004 Donald C. Haney
2005 Robert C. Milici
2006 John M. Dennison
2007 Paul E. Potter
2008 Douglas G. Patchen
2009 Brian D. Keith
2010 William B. Harrison, III
2011 Katharine Lee Avary
2012 James A. Drahovzal
2013 No Awardee
2014 Lawrence H. Wickstrom
2015 Richard W. Beardsley
2016 Michael R. Canich
2017 Robert D. Jacobi
2018 Michael R. Canich
2019 Gary G. Lash
2020 No annual meeting
2021 Langhorne (Taury) Smith

Honorary Membership Award
1982 James A. Noel
1983 Robert B. Erwin
1984 Gerald M. Friedman
1985 Robert C. Claus
1986 Larry D. Woodfork
1987 Porter J. Brown
1988 Patrick J. Burns
1989 Arthur M. Van Tyne
1991 Paul A. Catacosinos
1992 Carl J. Smith
1993 G. Warfield Hobbs, IV
1994 Brian D. Keith
1995 Betty M. Miller
1996 George C. Grow, Jr.
1997 Robert A. Trevail
2000 Kenneth G. Johnson
2001 William B. Harrison, III
2002 Lawrence H. Wickstrom
2003 Jane S. McColloch
2004 Aureal T. Cross
2005 David C. Harris
2006 Steven P. Zody
2007 Michael R. Canich
2008 James Drahovzal
2009 Katharine Lee Avary
2010 John L. Forman
2011 Peter MacKenzie
2012 Robert T. Ryder
2013 David G. Morse
2014 Dan A. Billman
2015 Steven R. Gustison
2016 Robert D. Jacobi
2016 Thomas H. Partin
2017 Charles A. Sternbach
2018 John A. Harper
2019 Brandon Nuttall
2020 No annual meeting
2021 Joan Crockett, Dr. Timothy Carr

Distinguished Service Award
1975 John T. Galey
1980 George V. Cohee
1982 Leonard Harris
1984 Porter J. Brown
1985 William C. MacQuown
1986 Howard J. Schwalb
1987 Franklyn R. Engler
1988 William E. Mantek
1989 Wallace de Witt, Jr.
1990 Gary
1991 David G. Morse
1992 Peter MacKenzie
1993 Robert T. Ryder
1994 John L. Forman
1995 James A. Fisher
1996 Phillip L. Martin
1997 William G. Murray
1998 James A. Drahovzal
1999 Paul A. Catacosinos
2000 Carl J. Smith
2001 Brian D. Keith
2002 Jeffery C. Greenawalt
2003 Gayle H. McColloch, Jr.
2004 Robert A. Trevail
2005 William B. Harrison, III
2006 William G. Murray
2007 William B. Harrison, III
2008 James A. Noel
2009 Lawrence H. Wickstrom
2010 Richard W. Beardsley
2011 John L. Forman
2012 Peter MacKenzie
2013 Robert T. Ryder
2014 David G. Morse
2015 Dan A. Billman
2016 Steven R. Gustison
2017 Robert D. Jacobi
2018 John A. Harper
2019 Brandon Nuttall
2020 No annual meeting
2021 Joan Crockett, Dr. Timothy Carr
2022 UNESCO
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<td>Gregory R. Wrightstone</td>
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<td>David E. Harmon</td>
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<td>Timothy R. Carr</td>
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<td>2019</td>
<td>Drew Waggener</td>
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**George V. Cohee Public Service Award**

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<td>Ralph J. Bernhagen</td>
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<td>2021</td>
<td>Cathy Enomoto</td>
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**Outstanding Educator Award**

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>1986</td>
<td>Robert C. Shumaker</td>
</tr>
<tr>
<td>1987</td>
<td>Alan H. Coogan</td>
</tr>
<tr>
<td>1988</td>
<td>Aureal T. Cross</td>
</tr>
<tr>
<td>1989</td>
<td>Chilton E. Prouty</td>
</tr>
<tr>
<td>1990</td>
<td>Alan C. Donaldson</td>
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<tr>
<td>1991</td>
<td>Joseph C. Clark</td>
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<tr>
<td>1992</td>
<td>Somdev Bhattacharji</td>
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<tr>
<td>1993</td>
<td>Milton T. Heald</td>
</tr>
<tr>
<td>1994</td>
<td>Wayne D. Martin</td>
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<tr>
<td>1995</td>
<td>Donald E. Hattin</td>
</tr>
<tr>
<td>1996</td>
<td>Lee J. Suttner</td>
</tr>
<tr>
<td>1997</td>
<td>John J. Renton</td>
</tr>
<tr>
<td>1998</td>
<td>Nehru E. Cherukupalli</td>
</tr>
<tr>
<td>1999</td>
<td>David J. Levesin</td>
</tr>
<tr>
<td>2000</td>
<td>Benjamin H. Richard</td>
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<td>2001</td>
<td>Somdev Bhattacharji</td>
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<td>2006</td>
<td>Nehru E. Cherukupalli</td>
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<td>2007</td>
<td>David J. Levesin</td>
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<td>2008</td>
<td>Benjamin H. Richard</td>
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**Gordon H. Wood, Jr. Memorial Award**

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<tbody>
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<td>1989</td>
<td>Russell R. Dutcher</td>
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<td>1990</td>
<td>Charles Wier</td>
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<tr>
<td>1991</td>
<td>Jack A. Simon</td>
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<td>1992</td>
<td>Harold J. Gluskoter</td>
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<td>1993</td>
<td>Aureal J. Gluskoter</td>
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<tr>
<td>1994</td>
<td>Samuel Friedman</td>
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<td>1995</td>
<td>John C. Ferm</td>
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<td>1996</td>
<td>James C. Hower</td>
</tr>
<tr>
<td>1997</td>
<td>Bascombe Mitchel</td>
</tr>
<tr>
<td>1998</td>
<td>Blake, Jr.</td>
</tr>
<tr>
<td>1999</td>
<td>James C. Cobb</td>
</tr>
<tr>
<td>2000</td>
<td>Robert B. Finkelman</td>
</tr>
<tr>
<td>2001</td>
<td>Paul C. Lyons</td>
</tr>
<tr>
<td>2002</td>
<td>Maria Mastalerz</td>
</tr>
<tr>
<td>2003</td>
<td>Donald R. Chestnut, Jr.</td>
</tr>
<tr>
<td>2004</td>
<td>M. Devereux (Debbie) Carter</td>
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<tr>
<td>2005</td>
<td>C. Blaine Cecil</td>
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<tr>
<td>2006</td>
<td>Leslie F. “Jingle” Rupert</td>
</tr>
<tr>
<td>2007</td>
<td>Colin G. Trewoy</td>
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<tr>
<td>2008</td>
<td>David A. Williams</td>
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<td>2009</td>
<td>Agnieszka Drobnik</td>
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<td>2010</td>
<td>Jerry Weisenfluh</td>
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<td>2011</td>
<td>Cortland F. Eble</td>
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<td>2012</td>
<td>Chuck Boyer</td>
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<td>2013</td>
<td>Ronald L. Martino</td>
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<td>2014</td>
<td>Stephen F. Greb</td>
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<td>2015</td>
<td>Terry Engelder</td>
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2016 Robert A. Trevail
2017 Robert C. Milici
2018 Susan J. Tewalt
2020 No annual meeting
2021 Ashley Douds

1999 2007
2015 2019
2014 2002
2003 2016
1998 2001
1997 2000
1996 1994
1995 1993

Division of Environmental Geosciences
Meritorious Contributions Award
1993 William G. Murray
1994 Larry D. Woodfork
1995 Robert R. Jordan
1996 Nicholas K. Koch
1997 William H. Harris
1998 John E. Sanders
1999 Peter J.R. Buttnner
2002 Jane S. McColloch
2003 James C. Currens
2004 Kenneth G. Johnson
2006 Gerald R. Baum
2007 Lawrence H. Wickstrom
2011 Mary Harris
2012 Kristin M. Carter
2013 Tom J. Temples
2014 Douglas E. Wyatt, Jr.
2015 Fred J. Baldassare
2016 Donald I. Seigel
2017 E. Scott Bair
2018 Michele L. Cooney
Timothy Murin
2019 Neeraj Gupta
2020 No annual meeting
2021 Kevin Ellett

Outstanding Geosciences Teacher Award ESAAPG
2016 Cabot Oil & Gas, Albert
“Buddy” Wylie
2018 Craig Eckert
2019 Peter McKenzie
2020 No annual meeting
2021 Dan Billman

PRESENTATION AWARDS

A.I. LeVorsen Memorial Best Paper Award*
1972 Sigmund Snelson
1973 C.F. Upshaw
1974 Douglas G. Patchen
Richard A. Smosna
H. Buchanan
1975 B. Charlotte Schreiber
R. Catalano
E. Schrieber
1976 G.R. Keller
R.K. Soderberg
M.L. Ammerman
1977 No annual meeting
1978 Richard A. Smosna
1979 Mark W. Presley
1980 Robert M. Cluff
1981 A.B. Watts
M.S. Steckler
1982 Vance P. Wiram
1983 Howard R. Schwalb
1984 Robert A. Sedivy
Ralph Burwood
Gary A. Cole
1985 Helen M. Sestak
1986 Karen R. Cercone
1987 Brian D. Keith
1988 Richard A. Smosna
J.M. Conrad
T.C. Maxwell
1989 Dennis R. Swager
Neil F. Hurley
1990 Bruce V. Sanford
1991 James W. Castle
1992 Lisa Goetz
J. Gary Tyler
Roger L. Macarevich
David L. Brewster
1993 Robert E. Davis
1994 Stephen F. Nowaczewski
1995 Nicholas B. Harris
1996 James A. Drahozval
1997 C.R. Clarkson
Marc R. Bustin
1998 T. Joshua Stark
Larry H. Wickstrom
1999 David G. Morse
2000 John R. Hogg
2001 James A. Drahozval
Lawrence H. Wickstrom
Timothy R. Carr
John A. Rupp
Beverly Seyler
Scott W. White
2002 Albert Wylie, Jr.
Jacqueline E. Huntoon
2003 Langhorne B. Taury
Smith, Richard Nyahay
2004 Langhorne B. Taury
Smith, Richard Nyahay
2005 J. Fred Read
2006 Frank R. Ettenson
2007 Frank R. Ettenson
2008 Langhorne B. Smith
2009 Steve Whittaker
2010 Christopher D. Laughrey
Herman Lemmens
Tim Ruble
2011 Alan Butcher
2012 Greg Walker
2013 Jamie Kostelnik
Margaret Hawn Mirabile Memorial Best Student Paper Award*

1985 Ray M. Boswell
1986 Timothy M. Trumelle
1987 Jeffery L. Siebert
1988 Mary K. Roden
1989 John M. Guthrie
1990 David A. Balthazar
1991 Bryan L. Roth
1992 Todd Hendricks
1993 Kurt A. Donaldson
1994 Jason R. Price
1995 Nadeem Ahmad
1996 Cara B. Kiger
1997 John C. Hohman
1998 Lynn M. Walter
1999 Angela M. Quillo
2000 Jennifer MacIntosh
2001 Angela M. Quillo
2002 Thomas Wynn
2003 Jonathan C. Evenick
2004 Sean R. Cornell
2005 Emre Artun
2006 Paul A. Agle
2007 John S. Allen
2008 No awardee
2009 Matthew Rine
2010 Anthony Clark
2011 Mara Brady
2012 Taylor G. McClain
2013 No annual meeting
2014 Mitchell Skuce
2015 Allison Young
2016 Payam Kavousi
2017 Ghafrarokhi, Timothy R. Carr
2018 Valerie Smith, Isis Fukai, Andrew Duguid, Dana Divine, R.M. Joeckel, and Dan Blankenau
2019 Kaitlin Evans, Tim Carr, Payam Kavousi, Tobi Orr, Jarrett Smith, Randy Toth
2020 No annual meeting

Vincent E. Nelson Memorial Best Poster Award*

1987 Stephen A. Whittaker
1988 Stephen F. Greb
1990 Peter A. Roberts
1991 William A. Zagorski
1992 Colin G. Treworgy
1993 Carmen Bauert, H. Bauert
1994 Stephen A. Mosier
1995 Jovita B. Dominic, T.H. Wilson
1996 Katherine B. Manger,

2004 John B. Curtis
2005 Michael D. Zuber
1997 Robert M. Cluff, Suzanne G. Cluff, Catherine M. Murphy
1998 Christopher D. Laughrey, Daniel A. Billman, Michael R. Canich
1999 Charles W. Zuppans, Michael A. O’Neal
2000 Mark Obermajer, Levern D. Stasiuk, Fairborn Goodarzi
2004 Scott E. Brame, James W. Castle, David A. Bruce, Ronald W. Falta, Lawrence C. Murdock, Donald A. Brooks
2005 A.E. Sandomierski, G.M. Grammer, W.B. Harrison, III
2006 Joshua Kirschner, David A. Barnes
2007 Katy J.G. Swan, Brian D. Keith
2008 Jeffrey C. Reid
2009 John Haynes
2010 John Grube, James Damico, Beverly Seyler, Scott Frailey, Vineeth Madhavan, Nathan Webb
2011 Paul C. Hackley, Àngeles G. Borrego, Brian J. Cardott, Alan Cook, Mariá Hámor-Vidó, Kees Kommeren
2012 João G. Mendonça Filho, Jane Newman, Mark Pawlewick, Judith Potter, Isabel Suárez-Ruiz

2011 Karine Schepers
2012 Hannes E. Leetaru & Robert Finley
2013 No annual meeting
2014 Joseph P. Fagan
2015 Thomas “Marty” Parris, Jared Grider, Ethan Davis
2016 David “Randy” Blood
2017 Thomas “Marty” Parris, Paul Hackley, Steve Greb, Cortland Eble
2018 Patrick Rutty
2019 James McDonald
2020 No annual meeting

2005 Shahab Mohaghegh
1998 Bob Bonner
1999 Steve Coulter
1997 John Haynes
2000 Robert D. Hatcher
2001 Robert M. Cluff, Suzanne G. Cluff, Catherine M. Murphy
2002 Michael R. Canich
2003 Charles W. Zuppans, Michael A. O’Neal
2004 Mark Obermajer, Levern D. Stasiuk, Fairborn Goodarzi
2005 A.E. Sandomierski, G.M. Grammer, W.B. Harrison, III
2007 Katy J.G. Swan, Brian D. Keith
2008 Jeffrey C. Reid
2009 John Haynes
2010 John Grube, James Damico, Beverly Seyler, Scott Frailey, Vineeth Madhavan, Nathan Webb
2011 Paul C. Hackley, Àngeles G. Borrego, Brian J. Cardott, Alan Cook, Mariá Hámor-Vidó, Kees Kommeren
2012 João G. Mendonça Filho, Jane Newman, Mark Pawlewick, Judith Potter, Isabel Suárez-Ruiz
2012 Brian Slater & Taury Smith
2013 No annual meeting
2014 Jeffrey C. Reid, Kenneth B. Taylor, Michael M. McGlue
2015 Diar Ibrahim, Michael C. Pope, Vrent V. Miller, Brian J. Witzke, William C. McClelland
2016 Joel R. Sminchak, James E. Hicks, and Glenn E. Larsen
2017 Jeffrey Reid, Katherine J. Marciniak, Walter T. Haven, Kenneth B. Taylor
2018 Jeffrey Reid, C.W. Myers and R.H. Carpenter
2019 Michael Solis and Julie Bloxson
2020 No meeting

Ralph L. Miller Memorial Best Energy Minerals Division Paper Award (Eastern Section)*
1988 William Grady
1989 Denver Harper
1990 Alan Swenson
1991 C.B. Cecil
Nick Fedorko
Frank T. DuLong
1992 Donald C. Haney
James C. Cobb
1993 James C. Hower
V.M. Graham
Cortland F. Eble
1994 No award
1995 No award
1996 Stephen F. Greb
Cortland F. Eble
James C. Hower
1997 Hal Gluskoter
1998 Stephen F. Greb
Gerald A. Weisenfluh
1999 Stephen F. Greb
David A. Williams
2000-2002 No award
2003 Craig A. Eckert
Michael J. Kovarik
2004 Ernie R. Slucher
James McDonald
2005 Thomas R. Moore
Ilham Demir
2006 David G. Morse
Hannes E. Leetaru
J. Freiberg
J. Rupp
J. McBride
2007 Jack Pashin
2008 John Ward
2009 John Nelson
2010 Pete Sullivan
Chad Cunningham
Doug Parker
2011 Karine Schepers
Anne Oudinot
Nino Ripepi
2012 Jackie Reed, Stephen Brown & John Zumberge
2013 No annual meeting
2014 Langhorne “Taury” Smith
2015 Christopher D. Laughrey, Thomas Darrah
2016 David "Randy" Blood
F. Greb
2017 Julie Floyd and Stephen F. Greb
2018 Thomas Bardol
2019 Tim Ruble, Richard Drozd, Wayne Knowles, Elizabeth Roberts and Donna Willette
2020 No annual meeting

Energy Minerals Division Best Poster Award (Eastern Section)*
1988 Stephen F. Greb
1989 Stephen F. Greb,
Donald R. Chestnut
1990 Michael G. Foley
1991 Ronald I. Martino
1992 Colin G. Trewoyry
1993 Carmen Bauert
H. Bauert
2012 Clifford Kelly
2013 No annual meeting
2014 No award
2015 William A. Rouse
2016 Tyler S. Bodine and Matthew T. May
2017 Mansour Khosravi
Rokrok, Donna C. Willette
2018 Guochang Wang
2019 Mansour Khosravi and Donna Willette
2020 No annual meeting
<table>
<thead>
<tr>
<th>Year</th>
<th>Award Name</th>
<th>Author(s)</th>
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<tbody>
<tr>
<td>1993</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Lew P. Murray, P.R. Rose, J.C. Jones</td>
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<tr>
<td>1994</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Stephen J. Rouse, T. Boyd, Chen Chiang J. Salanitro</td>
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<td>1995</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Lawrence F. Roach</td>
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<td>1996</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Douglas E. Wyatt, Tom J. Temples</td>
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<td>1997</td>
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<td>R. Stephen Fisher</td>
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<td>1998</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Christopher D. Reich, Eugene A. Shinn, Todd D. Hickey, Ann B. Tihansky</td>
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<td>1999</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>John A. Mundell, James Berndt, Joseph C. Arnold</td>
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<td>2000</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Kerry J. O’Shea</td>
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<td>John B. Nelson</td>
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<td>James A. Drahovzal, David C. Harris</td>
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<td>2004</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Stephen F. Greb, B.C. Nuttall, Michael P. Solis, T.M. Parris, James A. Drahovzal, Cortland F. Eble, D.C. Harris, J.B. Hickman, P.D. Lake, B. Overfield, K.G. Takacs</td>
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<td>2005</td>
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<td>Hannes Leetaru, J. Freiburg, J. Rupp, J. McBride</td>
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<td>Brian Tolle, Chaoqing, Tracee Imai</td>
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<td>2008</td>
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<td>David G. Morse, Brandon Nuttall</td>
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<td>2009</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>David A. Barnes</td>
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<td>2010</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Brian W. Stewart, Elizabeth C. Chapman, Rosemary C. Capo, Richard W. Hammack, Karl T. Schroder</td>
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<td>2011</td>
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<td>No annual meeting</td>
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<tr>
<td>2015</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Autumn Haagsma, Srikanta Mishra, Ola Babarinde</td>
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<tr>
<td>2016</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Ethan S. Davis and Thomas M. Parris</td>
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<tr>
<td>2017</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>J. Richard Bowersox, Stephen F. Greb, David C. Harris</td>
</tr>
<tr>
<td>2018</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Heather McCarren, Autumn Haagsma, A. Conner, S. Mawalkar, S. Mishra and N. Gupta</td>
</tr>
<tr>
<td>2019</td>
<td>Division of Environmental Geosciences Best Paper Award (Eastern Section)*</td>
<td>Autumn Haagsma, Mackenzie Scharenberg, Laura Keister, Jared Schuetter and Neeraj Gupta</td>
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</table>

*Listed by year award was earned. Awards are presented at the meeting the year following.
Lee Avary Award Winners for 1st Place Team in Annual Eastern Section Imperial Barrel Award (IBA) Competition*

2008  West Virginia University
2009  University of South Carolina
2010  West Virginia University
2011  Indiana University
2012  Penn State University
2013  University of Wisconsin-Madison
2014  University of South Carolina
2015  Penn State University**
2016  Penn State University**
2017  Western Kentucky University
2018  Penn State University***
2019  University of Georgia
2020  Penn State University
2021  No Eastern Section competition
2022  No Eastern Section competition but the University of Wisconsin-Madison and Binghamton University participated in a North American-wide competition.

*1st place ES IBA Award renamed to Lee Avary Award in 2020
** denotes also International IBA Competition 2nd Place Awardee
*** denotes also International IBA Competition 3rd Place Awardee
Congratulations to our students:
Grant Funds awarded through AAPG Foundation

<table>
<thead>
<tr>
<th>2022 Awardees</th>
<th>University</th>
<th>Grant</th>
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<td>Rachel Yesenchak</td>
<td>West Virginia University</td>
<td>Donald F. Towse Memorial Grant</td>
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<td>PAPG Named Grant</td>
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<tr>
<td>Ryan Goldsby</td>
<td>University of Kentucky</td>
<td>AAPG Eastern Section Named Grant</td>
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<td></td>
<td></td>
<td>Grants-in-Aid Fund</td>
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<tr>
<td>Meredith Swallom</td>
<td>University of Kentucky</td>
<td>Grants-in-Aid Fund</td>
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<tr>
<td>Jordan Todes</td>
<td>University of Chicago</td>
<td>David Worthington Named Grant</td>
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<tr>
<td>Garrett Shepherd</td>
<td>Pennsylvania State University</td>
<td>David Worthington Named Grant</td>
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<tr>
<td>Mariliis Eensalu</td>
<td>Northern Illinois University</td>
<td>Michael S. Johnson Named Grant</td>
</tr>
<tr>
<td>Jeremy Nederbo</td>
<td>Northern Illinois University</td>
<td>Grants-in-Aid Fund</td>
</tr>
<tr>
<td>Victor Obi</td>
<td>Kent State University</td>
<td>Jay M. McMurray Memorial Grant</td>
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<tr>
<td>Andrew Spatz</td>
<td>Lehigh University</td>
<td>Merrill W. Haas Memorial Grant</td>
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<tr>
<td>Sophie Black</td>
<td>Indiana University</td>
<td>Ohio Geological Society Named Grant</td>
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<tr>
<td>George Geier</td>
<td>Dartmouth College</td>
<td>Michael S. Johnson Named Grant</td>
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<td></td>
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<td>Richard W. Beardsley Named Grant</td>
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<td>Grants-in-Aid Fund</td>
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<td></td>
<td>Nancy Setzer Murray Memorial Grant</td>
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<td>Grants-in-Aid Fund</td>
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</tbody>
</table>

Many thanks to AAPG Foundation Supporters for continued support of the student grant program.

Would you like to support the AAPG Foundation and its many forms of good work, on a stipulated basis or to the general fund? Contact the AAPG Foundation at 918-560-2644.

Would you like to support Eastern Section AAPG and our programs?
Opportunities to support Eastern Section programs abound and are deeply appreciated. For example, our Imperial Barrel, Student Expo, and Eastern Section Outreach programs rely on member and company support.
Contact: Eastern Section AAPG, president@esaapg.org.