



AAPG

Eastern Section

Honors and Awards Ceremony 2017

John B. Hickman, *President*

Joan E. Crockett, *Honors and Awards Chairman*

Ed Rothman and Murray Matson, *Committee Members*

With Special Thanks to Karin Alyea, AAPG–Tulsa, *Award Design and Fabrication*

AWARDEES

Professional Awards

John T. Galey Award
Robert D. Jacobi

Honorary Membership
Charles A. Sternbach

Distinguished Service Award
John B. Hickman

Gordon H. Wood, Jr. Memorial Award (ES-EMD)
Robert C. Milici

George V. Cohee Public Service Award
Albert D. Kollar

Outstanding Educator Award
Ann G. Harris-Noel

Division of Environmental Geosciences Meritorious Contributions Award
E. Scott Bair

2016 Presentation Awards

A.I. Levorsen Memorial Best Paper Award

David “Randy” Blood

Also awarded Pittsburgh Geological Society Best Presentation on Appalachian Geology

Ralph L. Miller Best Energy Minerals Div. Best Paper
Julie Floyd and Stephen F. Greb

Division of Environmental Geosciences Best Paper Award
Amy Townsend-Small

Vincent E. Nelson Memorial Best Poster Award

Joel R. Sminchak, James E. Hicks, and Glenn E. Larsen

Energy Minerals Division Best Poster Award

Tyler S. Bodine and Michael T. May

Division of Environmental Geosciences Best Poster Award

Ethan S. Davis and Thomas M. Parris

Margaret Hawn Mirabile Memorial Best Student Paper Award
Allison L. Young

Best Student Poster Award
Andrew M. Parent

Certificates of Merit
Morgantown, WV
Organizing Committee

General Co-Chairs: Pete Sullivan and Tim Carr

Sponsorship: Emily Jordon

Meeting Logistics: Joe Cook

Technical Program: Katharine

Lee Avary and Tim Carr

Finance and Registration: Ed

Rothman

Publicity and Social Media:

Drew Waggener

Field Trips: Paula Hunt, Joe

Lebold, Ron McDowell, Mitch

Blake, and Jamie Toro

Core Workshop: Phil Dinterman

and Jessica Moore

Judging: Katharine Lee Avary

Student Program: Tim Carr

Website: Frank LaFone

JOHN T. GALEY AWARD Dr. Robert D. Jacobi



“An extraordinary geologist, teacher, and mentor; whose breadth of research, depth of knowledge, and diversity of experience have enriched the geoscience community of Eastern Section.”

Robert Douglas Jacobi (“Dr. Bob” and “Dr. J”) was born in Olean, New York, at the edge of the Bradford oil field, growing up loving the smell of Pennsylvania crude and driving on lease roads. His parents imparted to him a desire for adventure and a determination to attain excellence. This led to his successful pursuit of knowledge at Beloit College in Wisconsin, where he graduated with Bachelor of Arts degrees in both music and geology. He then went on to Columbia University, where he attained both M.Phil. and a Ph.D degrees in geology.

While at Columbia University and subsequently as a post doc and adjunct researcher at Columbia’s Lamont-Doherty Earth Observatory, Dr. Bob’s adventures truly began. These adventures included data collection and analysis in the Atlantic, Pacific, and Caribbean aboard research vessels *Vema*, *Jean Charcot*, *Glomar Challenger*, *Hudson*, and *Discovery*, conducting research on seismic sedimentary marine geology. At the same time,

he was studying structure and geochemistry of complex terranes in Newfoundland. He subsequently applied the knowledge gained from his adventures on land and at sea to a variety of sedimentological, geochemical, structural, and seismic themed research projects focused on the Appalachian orogen and the Appalachian Basin. His research has resulted in over 325 publications in peer-reviewed journals, refereed contributions to books, abstracts, technical reports for various entities. He was also co-editor for two books.

In 1980, Dr. Bob accepted a faculty position at the University at Buffalo (UB) where he taught over 120 undergraduate and graduate courses and was the thesis advisor or committee member for over 100 Masters and PhD students. Dr. Bob also started the AAPG student chapter at UB and served as faculty advisor for many years.

While he was a professor at UB, Dr. Bob conducted research for many government agencies, environmental groups, and natural resource companies, including NYSERDA, DOE, USGS, Akzo-Nobel, Solvay, Ansbro, Marathon Oil, Talisman Energy, Norse Energy, and Bath Petroleum. He is presently a structural geology consultant for EQT in Pittsburgh, where he continues to mentor and collaborate with fellow geoscientists.

Widely known as an expert on faults and fractures, Dr. Bob recognized the ubiquity and long-lived tectonic history of faults in the Northern Appalachian Basin. Because of this, he was instrumental in changing both the geologist’s view, and the public’s perception, of just how faulted the basin really is. Along with his students and colleagues (notably John Fountain), he has demonstrated the important role that faulting plays on both deposition and fluid migration in the development of the basin.

In 1979, Dr. Bob joined AAPG, and in 1982 he served as Registration Chair and omdudsman for the AAPG Eastern Section meeting held in Buffalo, NY. He continued his involvement in AAPG by serving as General Chair for the 2006 Eastern Section AAPG Annual Meeting at Buffalo, NY, and chair for nine other committees for that same meeting. From 2006-2009, Bob served as Treasurer, Secretary, VP and President of Eastern Section and was also part of the crew that was instrumental in helping to land the 2013 AAPG ACE in Pittsburgh. In addition, in the late 1990s-2000s, Bob was President of the Eastern Section of SEPM, Northeastern Section GSA, and NYSGA.

AAPG has honored Dr. Bob with many awards, including the 2006 Eastern Section AAPG's Outstanding Educator Award, nine Certificates of Merit, the 2010 Distinguished Service Award, AAPG's Certificate of Appreciation for Leadership Role in 2011, and the 2016 Honorary Membership Award for the Eastern Section of AAPG. In addition to Bob's AAPG awards, he received the University at Buffalo's Sustained Achievement Award in 2002, and Norse Energy's Professional of the Year Award in 2008.

Dr. Bob continues to be a truly great mentor and teacher, in addition to being a dedicated researcher and long-time member, supporter, and advocate for the AAPG. Dr. Bob has taught several courses for AAPG and GSA including AAPG's widely acclaimed Structural Field Seminar "Fractures and Tectonics of the Northern Appalachian Basin", which he led for 5 summers in the Finger Lakes region of New York. He also offered an AAPG webinar on structure in the Appalachian black shales and an outstanding short course entitled "Faults in the northern Appalachian Basin and their effects on black shales" at the 2013 AAPG ACE in Pittsburgh.

If you were one of Dr. Bob's students or have taken one of his short courses, then you undoubtedly consider him one of the best teachers you have ever experienced. If you have worked with Dr. Bob on a research or exploration project, then you undoubtedly consider him one of the most competent geologists with whom you have ever interacted. Finally, if you have ever had an opportunity to spend time informally with Dr. Bob, then you undoubtedly consider him one of the most interesting geologists you have ever met. For all that he has done for the Eastern Section AAPG and its many members, and for his numerous contributions to the geosciences, it gives us great pleasure to present the prestigious John T. Galey Memorial Award to Dr. Robert D. Jacobi.

Citationists: Dr. Tom Jordan and Craig A. Eckert

HONORARY MEMBERSHIP AWARD Charles A. Sternbach



"In recognition of his lifetime of leadership, mentorship and personal commitment to AAPG and his unwavering support of the Eastern Section no matter where his professional life takes him"

Charles is a true son of the Eastern Section being a native New Yorker and maintaining his ties and interest to the Eastern Section no matter where his professional life has taken him. He received his formal training in geology with a Bachelors degree from Columbia University and a Masters and Ph.D. from Rensselaer Polytechnic Institute under the tutelage of the legendary sedimentologist Gerald M. Friedman.

After graduating from RPI, Charles accepted a job with Shell Exploration and Production Company in Houston,

Texas, but continued his relationship with the Eastern Section through developing prospects and drilling wells in Michigan. His discovery of the Conner's Marsh Field was one of the early fields in the Ordovician St. Peter Sandstone/Prairie du Chien natural gas play. During his thirteen years at Shell, Charles also worked in the Illinois Basin, the Arkoma Basin, the Williston Basin and the Permian Basin.

In 1997 Charles left Shell for a more independent environment and joined geologist, California entrepreneur and winery mogul Tom Jordan. He continued exploring in Michigan, the Gulf of Mexico, the Rocky Mountains, Colombia, South America and even in Europe. Charles became truly independent in 2004 when he formed his own company, Star Creek Energy. He continues exploration and production activities in both domestic and international areas.

Charles has devoted much of his life to giving back to the profession. Early in his career, Charles led field trips for fellow Shell geologists along with the pre-eminent carbonate geologist Dr. James Lee Wilson. He has also organized symposia and in 2008 initiated the program "Discovery Thinking" which has been a fixture at National AAPG conventions ever since. This program brings top explorers to relate their exploration process and ideas for some of the world's biggest petroleum and natural gas discoveries. He has been the General Chairman and Vice General Chairman of two National AAPG Conventions in Houston and served on the 100th year Committee for the most recent AAPG Convention.

Service to geological professional societies is something that Charles does with great joy and expertise. He is currently the President of AAPG, and has served as president Gulf Coast Association of Geological Societies, president of Houston Geological Society, and president of AAPG's Division of Professional Affairs. Charles has served as editor or co-editor of several important AAPG Memoirs and Special Publications, including 2003 AAPG Special Publication, Discoverers of the 20th Century, Perfecting the Search, 2005 AAPG/DPA Heritage of the Petroleum Geologist, 2012 AAPG Memoir 98, Great American Carbonate Bank, and the new AAPG Memoir 113, Giant Fields of the Decade 2000-2010, released September 2017.

Charles resides near Houston, Texas with his wife Linda who is also a distinguished geophysical advisor. Charles is a leader in the global geological community, traveling the U.S. and the world promoting professionalism and the geosciences as they benefit humanity.

It is with great pleasure we bestow Honorary Membership in the Eastern Section of AAPG on Charles A. Sternbach.

Citationist: William B. Harrison III

DISTINGUISHED SERVICE AWARD John B. Hickman



“In recognition of his exemplary leadership and dedicated service to the Eastern Section of AAPG and the profession of petroleum geology”

John B. Hickman has proven himself to be more than worthy of receiving Eastern Section AAPG's Distinguished Service Award for 2017. John has not only demonstrated his leadership abilities over the past year, but has also displayed his talents as a tremendous communicator and educator. John served this year as President of the Eastern Section following previous terms as Treasurer and Vice-President. During his term as President, John displayed leadership in upholding AAPG's mandate for reduced spending by minimizing expenses during the ACE council meeting in Houston, and in many other ways throughout the year. For example,

John served as Faculty Advisor for University of Kentucky's Eastern Section AAPG Student Chapter, and as faculty coach for University of Kentucky IBA team. As UK's IBA coach, he led his team to 2nd and 3rd place finishes in the 2016 and 2017 (respectively) ES-AAPG IBA finals held in Pittsburgh, PA. John is a tireless advocate for the benefits of AAPG to all categories of membership in the Eastern Section. His quiet but intensely committed demeanor has earned John the respect both of his students and his peers.

During the past year, John also received ES AAPG's Certificate of Merit for his role as technical co-chair with Brandon Nuttall in 2016 Eastern Section AAPG Annual meeting in Lexington. This meeting was in large part a success due to the commitment to excellence and attention to detail by John.

Beyond his service to AAPG, John is also an active member and regular contributor to GSA, AGU, and SEG.

John's passion for the science of geology began long ago as a student in Ann Arbor, MI. As an undergrad, John attended University of Michigan to pursue a BS degree in geology, which he received in 1994. While there, he worked for four years as a Lab Technician in various geology Labs and core facilities in the university's geology department. Next, he attended Texas A&M, where he worked as a Research Assistant and Teaching Assistant while pursuing his MS in Geology, which he received in 1999. John then joined the Kentucky Geological Survey and was accepted into the PhD program at the University of Kentucky, where he earned his PhD under Dr. William A. Thomas in 2011. John's PhD research focused on the structural evolution of the entire eastern intracratonic rift system from the Mississippi Valley Graben through the Rome Trough.

John is a Research Geologist with the Kentucky Geological Survey and Adjunct Professor at University of Kentucky. He has authored or co-authored over a dozen publications related to Appalachian structure, including numerous field trip guides, and several government-industry consortia reports (e.g., Trenton-Black River, Rome Trough, Utica Consortia). John also has been invited to give technical presentations on many occasions to local AAPG affiliated societies, and has presented at both sectional and national AAPG meetings.

For his unrelenting commitment to excellence in leadership in the Eastern Section of the AAPG, John B. Hickman is truly deserving of this year's Distinguished Service Award. Citationist: Craig A. Eckert

GEORGE V. COHEE PUBLIC SERVICE AWARD Albert D. Kollar



"In recognition of many years of exemplary service, geological acumen, sound leadership, and as a voice for the science of geology in Washington, DC"

Albert D. Kollar has been a paleontologist and geologist in the Section of Invertebrate Paleontology at the Carnegie Museum of Natural History in Pittsburgh for 40 years. He has served as head of the Section since 1999. Although his primary responsibilities are the curation, cataloging, and management of more than 750,000 invertebrate fossil and rock specimens, he is also engaged in various research projects ranging from paleontology, stratigraphy, and climate change to the geological, architectural, and cultural history of the museum's classic building stones from Europe, Africa, and the US. But what makes Albert deserving of the George V. Cohee Award is his passionate enthusiasm for public service.

Albert's training in geology and paleontology, combined with his years as a museum staff member, have provided him with the unique opportunity to share his knowledge with both the geological and lay communities of western Pennsylvania. He has led or presented hundreds of field trips and geology seminars throughout the Appalachians for the museum membership, local schools, regional parks, community organizations, and conservancies, as well as presented the results of his research at professional meetings.

He also co-founded the local paleontology and geology interest group Patrons And *lauradanae* Supporters (PA/S), which includes individuals and families, both professional and amateur, from the greater Pittsburgh area. He has either presented or arranged for all the PA/S talks, field trips, and "Paleontologist for a Day" projects for its members since its inception.

Whenever a museum docent unexpectedly shows up at the section with a group of school children (or even the occasional adults) in tow, Albert will stop whatever he's doing and enthusiastically explain the functions of the section, including letting the kids touch some of the fossils. It is a joy to see the delight and wonder on their faces.

Albert has even ventured next door to the Carnegie Museum of Art to work with docents in interpreting the geology that appears in various period landscape paintings. This approach challenges spectators to view the art in terms of human-induced and natural change through time.

Albert has volunteer-taught numerous classes on various subjects for the Osher Lifelong Learning Institute at the University of Pittsburgh. Osher is a membership-based community of >50-year-old adults who want to explore new or unfamiliar topics with other interested adults without the onus of tests, grades, or degree requirements. Albert's interest in this adult education program led him to organize geologic field trips to local municipal parks, discuss topics of energy and the environment, and arrange for his colleagues in the local geological community to provide multi-dimensional context to these and other topics.

Albert also has been collaborating with a local middle school's Earth Science program for more than a decade, helping to bring earth history and the geology of fossil fuels to life for the students.

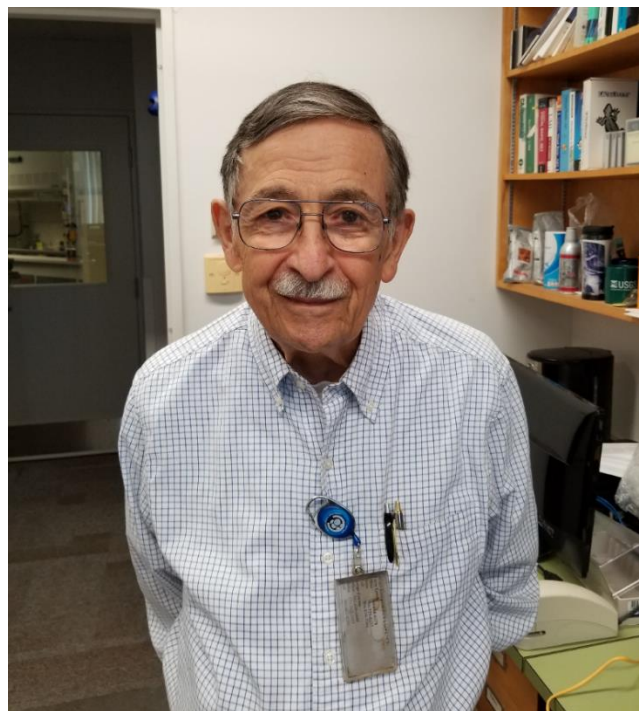
In addition to all of these activities, Albert also served as

President of the AAPG-affiliated Pittsburgh Geological Society from 2011 to 2014. In fact, he is the only person in the organization's 75-year history to serve three consecutive years as President.

Forty years of dedicated service to the people of western Pennsylvania, and to museum visitors from around the world, are what make Albert especially deserving of this award.

Citationist: John Harper

GORDON H. WOOD JR., MEMORIAL AWARD Dr. Robert C. Milici



“In grateful recognition of many years of excellence in research, service, and leadership on the geology of energy minerals in Eastern Section AAPG”

Dr. Robert C. Milici has had a 59-year geologic career in eastern U.S. energy and Appalachian tectonic research. During his early career (1958–1978) Bob worked as a geologist with the Tennessee Division of Geology, and

the Virginia Division of Geology and Mineral Resources where he conducted extensive field mapping and research into Appalachian structure and tectonics. He published several papers on Appalachian structure, several quadrangle maps, and was senior author on the compiled geologic map of Virginia in 1963.

From 1979–1991, Bob was the Commissioner of Mineral Resources and State Geologist of Virginia where he not only administered research projects at the survey but continued his own research efforts. Bob published the Mississippian and Pennsylvanian geology section for Tennessee in the U.S. Geological Survey's (USGS) 1979 publication, Carboniferous Systems in the United States, and co-authored summaries of the Appalachian Basin (1988), and petroleum geology of the Appalachian Basin (1991) in the Geological Society of America's popular The Geology of North America series. He also made contributions to the use of geology for understanding coal mining obstacles and roof-fall hazards, including a 1985 guide for coal miner training.

In 1992, Bob joined the U.S. Geological Survey and for 3.5 years was Chief of the Branch of Sedimentary Processes and the Coal Geology Branch. While at USGS, he also held leadership positions in the Energy Program, Branch of Petroleum Geology, and finally the Eastern Energy Resources Science Center. As part of the Eastern Energy Resources team, he worked on regional and national gas and coal assessment projects, especially in the eastern United States. These include a 2002 professional paper on coalbed methane production in the Appalachian Basin; a 2004 assessment of Appalachian Basin oil and gas resources; a 2004 coalbed methane assessment of the Pennsylvania Anthracite District; a 2005 assessment of natural gas resources in Devonian black shales of the Appalachian Basin; a 2011 assessment of the Devonian Marcellus Shale of the Appalachian Basin; and a 2014 stratigraphic framework and total petroleum system analyses of the Appalachian Basin.

During his career, Dr. Robert C. Milici has authored or co-authored more than 100 publications and delivered more than 50 technical presentations on various aspects of Appalachian geology and energy resources. He has received several awards for outstanding contributions to geologic research including the Association of Environmental and Engineering Geology's publication award for the outstanding publication in any of its journals in fiscal year 1993, and the John T. Galey Memorial Award (2005), the highest honor bestowed by the Eastern Section AAPG for outstanding contributions to the profession and its application toward the betterment

of society. Bob retired March 31, 2013, but continues his research and scientific contributions as an emeritus researcher at USGS. In fact, his work in retirement continues to be honored. In 2017, he was presented with the Dallas Peck Outstanding Scientist Emeritus Award from USGS. He is highly deserving of the Gordon H. Wood Jr. award. Citationist: Stephen F. Greb

OUTSTANDING EDUCATOR AWARD Ann G. Harris-Noel



“In recognition of years of dedicated and inspirational teaching of geology, mentoring of students, and fostering appreciation of geology in our national parks”

Ann G. Harris-Noel, C.P.G., began her pathway to an extraordinary career as a professional geologist and educator at age 12, when she discovered that geology was her calling. Letting nothing stand in her way, she earned her B.S. degree in Geology from Kent State University in 1956, followed by her M.S. degree in Geology from

Miami University of Ohio in 1958, in times when female geologists were scarce and the pursuit of a career in geology required perhaps a stronger commitment and determination than it might today. With a career spanning more than 60 years, Ann has received many accolades and achievements. A short list includes: Professional Geologist certifications in Ohio, Indiana and South Carolina, membership in ten different professional organizations and societies, tenure and promotion to Professor of Geology at Youngstown State University, culminating in Professor Emeritus following her retirement from Youngstown State University in 2001.

As faculty in the Department of Geological and Environmental Sciences, Ann taught a wide variety of courses, but concentrated her efforts on her three greatest passions; paleontology, abandoned deep coal mine research and the geology of the National Parks. Her work with abandoned coal mines resulted in the 1985 passage of Ohio House Bill 383; better known as the Mine Subsidence Insurance Bill. Ann's love for the National Parks resulted in the publishing of her widely popular textbook "Geology of National Parks", now in its fifth edition. This outstanding text is widely used in higher education and can be found in all National Park gift shops. Her distinguished career at Youngstown State University led to receiving of the Heritage Award in 2010. The Heritage Award is the most prestigious award that Youngstown State University bestows on former faculty and staff for their major contributions to the campus during their years of service.

Ann remained active as a retired faculty working long days in her Abandoned Deep Coal Mine Research lab investigating mine subsidence issues and generously sharing her wealth of knowledge with the public, students and fellow faculty and researchers. Her extensive collection of mine information and maps led to the establishment of the Abandoned Mines website (mines.yzu.edu) and major contributions to the Ohio Department of Natural Resources Geological Survey Abandoned Mine Locator interactive website.

Ann is a beloved and devoted mother of two daughters, Laurie and Kelli, and grandmother to Chase and Rachel; infusing them all with a love of geology, paleontology, and the natural world. Her extensive collection of historic coal mining equipment was donated to the Youngstown Museum of Labor and Industry, where it is on display.

It is with great pleasure that Eastern Section recognizes Ann's many contributions as Outstanding Educator,

geologist, author, and mentor to students over a 60 year career.

Citationists: Jeffery C. Dick and James McDonald

**DIVISION OF
ENVIRONMENTAL
GEOSCIENCES
MERITORIOUS
CONTRIBUTIONS AWARD
E. Scott Bair**



"In recognition of 35 years of teaching, service, and research to advance environmental geosciences for safer extraction of oil, gas, and groundwater"

Dr. E. Scott Bair is a nationally and internationally known researcher and teacher, whose work on groundwater modeling and public service has been influential to the petroleum industry. He received his BA degree in geology from the College of Wooster and his MS and PhD degrees from Penn State University. From 1979-1985, Scott worked at Stone & Webster Engineering, where he used

drill-stem test data from oil and gas fields to determine regional groundwater flow patterns in the Permian Basin of Texas. From 1985-2014, he was a professor in the Earth Sciences Department at Ohio State University, where he taught courses in general geology, environmental geology, water resources, hydrogeology, petroleum geology, speleology, and groundwater modeling. He also served a six-year sentence as department chair. Scott authored more than 40 peer-reviewed papers and government reports with his students and colleagues, most of which dealt with withdrawal, injection, and movement of subsurface fluids including hazardous wastewaters, oil and gas, groundwater, and aqueous contaminants. He advised 4 PhD students and 31 MS students whose research was funded by USEPA, USDOE, USGS, USDA, NSF, Ohio EPA and Ohio DNR. From 1986-2014, he co-taught short courses for the National Ground Water Association (NGWA).

Peers, professional associations, and industry have recognized Scott's work. He is a GSA Fellow, a GSA Birdsall-Driess Distinguished Lecturer, and a recipient of the Maxey Award for distinguished service from GSA. He received the Keith Anderson Award from the NGWA for his outstanding contributions to the groundwater industry. He received Ohio State's highest award for exemplary teaching. Scott and his wife, Julie, retired in 2014 and moved to the maritime forest on the Outer Banks of North Carolina about eight miles north of Orville and Wilbur's famous sand dune. In between golfing, fishing, and general lollygagging, Scott remains an active consultant, expert witness, and instructor.

During his career Scott was involved in many public service activities including several related to the petroleum industry. He was a member of the Ohio Oil and Gas Regulatory Review Commission and the Ohio Geology Advisory Commission. He performed studies for the Ohio DNR on groundwater quality changes caused by surface brine disposal and led an investigation of the in-house explosion at a residence in Geauga County caused by leakage of natural gas from a nearby production well. He reviewed Class I injection well permits for the Ohio Geological Survey and Ohio EPA, and served on a USEPA committee examining the risks of Class I injection wells. He was an expert witness in precedent setting trials in Texas and Ohio dealing with the migration of hazardous wastewaters from Class I injection wells. In 2013-2015, Scott served on the U.S. EPA Science Advisory Board on Hydraulic Fracturing, where his geologic background and expertise in regional groundwater flow, modeling, and oil and gas migration helped provide a scientifically rigorous examination of the

2016 U.S. EPA Final Report assessing the impact of hydraulic fracturing on drinking-water resources in the United States.

Scott's service to the petroleum industry and his research on the movement and modeling of groundwater flow, wastewater injection, and oil and gas migration are a legacy few scientists can match. He is a most worthy recipient of the Eastern Section Division of Environmental Geology Meritorious Contribution Award.

Citationist: James McDonald

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 2016 Eastern Section Annual Meeting, Lexington, Kentucky

A.I. Levorsen Memorial Best Paper Award

David R. Blood, Redox Conditions during deposition and early diagenesis of the U. Ord. Point Pleasant Ls of southwestern PA and northern WV: Insights from pyrite framboids and trace elements

Ralph L. Miller Memorial Best Energy Minerals Division Paper Award (Eastern Section)

Julie Floyd and Stephen F. Greb, Subsurface Analysis of Bedford-Berea Petroleum System, Eastern Kentucky

Division of Environmental Geosciences Best Paper Award (Eastern Section) Amy Townsend-Small,

Stable isotopic constraints on methane migration into groundwater and emissions to the atmosphere from unconventional natural gas extraction: Examples from OH, CO, TX

Vincent E. Nelson Memorial Best Poster Award

Joel R. Sminchak, James E. Hicks, and Glenn E. Larsen, Subsurface Geomechanics, Fracture Breakdown Pressures, and Fracture-tunnels in the Midwest U.S.

Energy Minerals Division Best Poster Award (Eastern Section)

Tyler S. Bodine and Michael T. May, An Analysis of a Near-Surface Big Clifty (Jackson) Sandstone Reservoir in Logan County, Kentucky

Division of Environmental Geosciences Best Poster Award (Eastern Section)

Ethan S. Davis and Thomas M. Parris, Revising the Fresh-Saline Water Interface in Eastern Kentucky

Margaret Hawn Mirabile Memorial Best Student Paper Award

Allison L. Young, Carlton E. Brett, Peter Holterhoff, Thomas Algeo, and Patrick I. McLaughlin, Late Ordovician (Katian) Upper Lexington-Kope Equivalents in the Point Pleasant Basin of Eastern Ohio: Correlation and Paleoenvironments of the Utica Point Pleasant System

Best Student Poster Award

Andrew M. Parent, Ernest C. Hauser, and Doyle R. Watts, New Insights into Precambrian Seismic Stratigraphy, South-Central Indiana

Pittsburgh Geological Society Award for Best Presentation on Appalachian Geology

David R. Blood, Redox Conditions during deposition and early diagenesis of the U. Ord. Point Pleasant Ls of southwestern PA and northern WV: Insights from pyrite framboids and trace elements

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.

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 for the best scientific presentation on Appalachian geology at the annual meeting of the Eastern Section.

Past Eastern Section Awardees

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

Honorary Membership Award

1982 James A. Noel
 1983 Robert B. Erwin
 Lee C. Lamar
 1984 Gerald M. Friedman
 Ralph L. Miller
 1985 Robert C. Claus
 Vincent E. Nelson
 1986 Larry D. Woodfork
 1987 Porter J. Brown
 1988 Patrick J. Burns
 1989 Arthur M. Van Tyne
 1991 Paul A. Catacosinos
 John E. Johnson
 1992 Carl J. Smith
 1993 G. Warfield Hobbs, IV
 Phillip L. Martin
 1994 Brian D. Keith

1995 Betty M. Miller
 Jeffery C. Greenawalt
 1996 George C. Grow, Jr.
 Gayle H. McColloch, Jr.
 1997 Robert A. Trevail
 1998 William C. MacQuown
 1999 William G. Murray
 Douglas G. Patchen
 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

Distinguished Service Award

1975 John T. Galey
 1980 George V. Cohee
 1982 Leonard Harris
 1983 Gordon H. Wood, Jr.
 1984 Porter J. Brown
 Larry D. Woodfork
 1985 William C. MacQuown
 Howard J. Schwalb
 1986 Patrick J. Burns
 Franklyn R. Engler
 William E. Mantek
 1987 Wallace de Witt, Jr.
 Arthur M. Van Tyne
 1988 James A. Fisher
 Phillip L. Martin
 1989 G. Warfield Hobbs, IV

Paul A. Catacosinos
 1990 Carl J. Smith
 1991 Brian D. Keith
 William E. Rike
 1992 Jeffery C. Greenawalt
 1993 Gayle H. McColloch, Jr.
 Robert A. Trevail
 1994 Paul W. Garrett
 William B. Harrison, III
 1995 William G. Murray
 James A. Noel
 1996 Thomas R. Jake
 Donald F. Oltz, Jr.
 1997 Roy D. Nurmi
 Douglas G. Patchen
 1998 Kenneth C. Ashton
 Kenneth G. Johnson
 Jesse A. Shell
 1999 David C. Harris
 2000 Jane S. McColloch
 Lawrence H. Wickstrom
 2001 Katharine Lee Avary
 James A. Drahovzal
 2002 John L. Forman
 2003 Michael Ed. Hohn
 2004 Hannes E. Leetaru
 2005 Michael R. Canich
 Steven P. Zody
 2006 Murray M. Matson
 2007 Peter MacKenzie
 2008 No awardee
 2009 Dan Billman
 2010 Robert Jacobi
 David G. Morse
 2011 Edward M. Rothman
 2012 Gregory R. Wrightstone
 Thomas H. Partin
 2013 David E. Harmon
 2014 Timothy R. Carr
 Terry R. Carter
 2015 James McDonald
 2016 Craig A. Eckert
 2017 John B. Hickman

George V. Cohee Public Service Award

1985 George G. Shearrow
 1986 Douglas G. Patchen
 1987 Samuel T. Pees
 1988 Ralph J. Bernhagen
 1989 Paul G. Benedum
 1990 Robert R. Jordan
 1991 Kenneth N. Weaver
 1992 Orrin Pilkey
 1993 Katharine Lee Avary
 1994 Morris W. Leighton
 1995 Donald C. Haney
 1996 Samuel T. Pees
 1997 Robert H. Fakundiny
 1998 Arie Janssens
 1999 William S. Condit
 2000 John H. Talley
 2001 Norman C. Hester
 2002 John D. Kiefer
 2003 Charles W. Zuppann
 2004 Robert T. Ryder
 2005 Brandon C. Nuttall
 2006 Cheryl Cozart
 2007 Larry D. Woodfork
 2008 Christopher S. Swezey
 2009 John A. Harper
 2010 John C. Steinmetz
 2011 David Curtis
 2012 Lawrence H. Wickstrom
 2013 Beverly Seyler
 2014 Ronald A. Riley
 2015 Bradley K. Richards
 2016 Edith C. Allison
 2017 Albert D. Kollar

Outstanding Educator Award

1986 Robert C. Shumaker
 1987 Alan H. Coogan
 Aureal T. Cross
 1988 Chilton E. Prouty
 John E. Sanders
 1989 Alan C. Donaldson
 John B. Droste
 1990 Joseph C. Clark
 James A. Noel
 1991 Somdev Bhattacharji
 Milton T. Heald
 1992 Haydn H. Murray

Wayne D. Martin
 1993 Donald E. Hattin
 1994 Gerald Johnson
 Lee J. Suttner
 1995 John J. Renton
 Nehru E. Cherukupalli
 1996 David J. Levesin
 Benjamin H. Richard
 1997 John M. Dennison
 Daniel Habib
 1998 William B. Harrison, III
 Ronald L. Martino
 1999 John A. Chamberlain, Jr.
 2000 Paul E. Potter
 Donald L. Woodrow
 2001 Carl E. Brett
 Robert H. Washburn
 2002 Kenneth G. Johnson
 Lisa M. Pratt
 2003 William C. MacQuown
 B. Charlotte Schreiber
 2004 Stuart L. Dean
 Byron R. Kulander
 2005 Peter J.R. Buttner
 J. Fred Read
 2006 Robert D. Jacobi
 2007 Suzanne M. Kay
 2008 Hannes E. Leetaru
 Frank R. Ettensohn
 2009 David A. Barnes
 Richard Smosna
 2010 Warren Huff
 2011 Robert D. Hatcher
 2012 Gary G. Lash
 2013 Gordon Baird
 2014 Timothy R. Carr
 2015 Thomas H. Wilson
 2016 Elizabeth Gierlowski-
 Kordesch
 2016 Donald W. Neal
 2017 Ann G. Harris-Noel

Gordon H. Wood, Jr. Memorial Award

1989 Russell R. Dutcher
 1990 Charles Wier
 1991 Jack A. Simon
 1992 Harold J. Gluskoter
 1993 Aureal T. Cross

1994 Samuel Friedman
 1995 John C. Ferm
 1996 James C. Hower
 1997 Bascombe Mitchel
 Blake, Jr.
 1998 James C. Cobb
 1999 Robert B. Finkelman
 2000 Paul C. Lyons
 2001 Kenneth J. Englund
 2002 Maria Mastalerz
 2003 Donald R. Chestnut, Jr.
 2004 M. Devereux (Debbie)
 Carter
 2005 C. Blaine Cecil
 2006 Leslie F. "Jingle" Rupert
 2007 Colin G. Treworgy
 2008 David A. Williams
 2009 Agnieszka Drobnik
 2010 Jerry Weisenfluh
 2011 Cortland F. Eble
 2012 Chuck Boyer
 2013 Ronald L. Martino
 2014 Stephen F. Greb
 2015 Terry Engelder
 2016 Robert A. Trevail
 2017 Robert C. Milici

Division of Environmental Geosciences Meritorious Contributions Award

1993 William G. Murray
 1994 Larry D. Woodfork
 1995 Robert R. Jordan
 1996 Nicholas K. Coch
 1997 William H. Harris
 1998 John E. Sanders
 1999 Peter J.R. Buttner
 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

Presidential Award

- 1998 Wayne A. Pryor
- 1999 Kenneth Dale Owen
- 2004 Ohio Oil and Gas Energy Education Program (OOGEEP)
Rhonda Reda, Exec. Director
- 2006 Richard L. Stollar
- 2007 Theola L. Evans
- 2010 William A. Zagorski
- 2012 Gallagher Drilling, Inc
- 2013 Gregory R. Wrightstone
- 2014 James C. Cobb
E. Donald McKay III
- 2016 Cabot Oil & Gas, Albert “Buddy” Wylie

Outstanding Geosciences

Teacher Award ESAAPG

- 2010 Paula Jameson
 - 2011 Kurtz Miller
 - 2012 Chris Bolhuis*
 - 2013 Heather McArdle*
 - 2014 Susan Boucher
 - 2015 Karen Waterbury*
 - 2017 Dylan Canavan
- * denotes also National awardee

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
Douglas G. Patchen
- 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
Richard J. Drozd
Henry I. Halpern
- 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
Jagadeesh R. Sonnad
- 1993 Robert E. Davis
- 1994 Stephen F. Nowaczewski
- 1995 Nicholas B. Harris
- 1996 James A. Drahovzal
- 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. Drahovzal
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. Ettensohn
- 2007 Frank R. Ettensohn
- 2008 Langhorne B. Smith
- 2009 Steve Whittaker
- 2010 Christopher D. Laughrey
Herman Lemmens
Tim Rumble
Alan Butcher
Greg Walker
Jamie Kostelnik
- 2011 Karine Schepers
Anne Oudinot
Nino Ripepi
- 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

Margaret Hawn Mirabile Memorial Best Student Paper Award*

- 1985 Ray M. Boswell
- 1986 Timothy M. Trumelle
W.B. Harrison
- 1987 Jeffery L. Siebert
- 1988 Mary K. Roden
- 1989 John M. Guthrie
- 1990 David A. Balthazor
- 1991 Bryan L. Roth
- 1992 Todd Hendricks
Stephen O. Moshier
- 1993 Kurt A. Donaldson
- 1994 Jason R. Price
M.A. Velbel
- 1995 Nadeem Ahmad
Todd A. Thompson
Brian D. Keith
- 1996 Cara B. Kiger
Paul D. Howell
- 1997 John C. Hohman
Brian D. Keith
- 2000 Jennifer MacIntosh
Lynn M. Walter
- 2001 Angela M. Quillo
Lew P. Murray

2012 Kyle W. Siemer &
Richard Becker
2013 No annual meeting
2014 No award
2015 Autumn Haagsma,
Srikanta Mishra, Ola
Babarinde

2016 Ethan S. Davis and
Thomas M. Parris
Pittsburgh Geological Society
Best Presentation on
Appalachian Geology*
2015 Christopher Laughrey,
Thomas Darrah

2016 David "Randy" Blood

*Listed by year award was earned. Awards are presented at the meeting the year following.

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Christopher Smith	University of Georgia	Arthur A. Meyerhoff Memorial Grants
Stephanie Sparks	University of Kentucky	Grants-in-Aid Fund
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