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FOUNDATION’S HIGHLIGHTS - 5 NEW TRUSTEES JOINED AGIF

Jeffrey J. Heppermann, Freeport-McMoran, Inc., Ernest Leyendecker, Anadarko, James H. Painter, Cobalt International Energy, Berry H. (Nick) Tew, Alabama Geological Survey, and Garry Woodhouse, Occidental joined the AGI Foundation as new trustees.

NEW TRUSTEE PROFILES

**JEFFREY (JEFF) J. HEPPELMANN
VP of Exploration at Freeport-McMoRan Oil & Gas**

Jeffrey (Jeff) J. Heppermann is the Vice President of Exploration at Freeport-McMoRan Oil & Gas, responsible for their worldwide search for hydrocarbons. Jeff has over 30 years of experience in all facets of petroleum exploration and development. Under Jeff’s exploration leadership, Freeport-McMoRan Oil & Gas and its predecessor companies have participated in several multi-company joint ventures exploring for hydrocarbons in the deepwater of the Gulf of Mexico. Jeff’s team has participated in over 20 wildcat wells resulting in 7 discoveries, and drilled successful wells in over 2,900 meters of water.

Jeff is certified as a Petroleum Geophysicist, number 82, with the AAPG – Division of Professional Affairs. Jeff is licensed with the Texas Board of Professional Geoscientists as a Geophysicist, license number 406. He is also a member of the Society of Exploration Geophysicists, Geophysical Society of Houston and the Lafayette Geological Society. He was also president of the Southwest Louisiana Geophysical Society for 2002 - 2003. Jeff attended the University of Missouri-Rolla, currently known as Missouri University of Science and Technology, and received a B.S. in Geology and Geophysics.



Courtesy of Jeffrey J. Heppermann

**ERNEST A. (ERNIE) LEYENDECKER
Senior VP, International Exploration, Anadarko Petroleum Corporation**

Mr. Leyendecker has over 30 years of experience in the Oil & Gas industry and is currently the Senior Vice President, International Exploration for Anadarko Petroleum Corporation in The Woodlands, Texas.

He began his career in Midland, Texas with Marathon Oil Company, where he served in multiple engineering roles including drilling, completions and reservoir engineering. After various other assignments he left to pursue a leadership role in the start-up of Enterprise Oil Gulf of Mexico. In 2002 Enterprise Oil was acquired by Shell and Mr. Leyendecker joined Kerr-McGee’s Gulf of Mexico team. He served in increasing roles of responsibility as Exploration Manager for the GOM Shelf and as an Exploration Manager for the Deepwater GOM before

Kerr-McGee was acquired by Anadarko in 2006. Since 2006, Mr. Leyendecker has held positions of increasing responsibility at Anadarko, including General Manager for Worldwide Exploration, Engineering and Planning, Vice President of Corporate Planning, Senior Vice President, Gulf of Mexico Exploration. He currently serves as Senior Vice President, International Exploration and is responsible for the company’s exploration activities around the world. Mr. Leyendecker holds a Bachelor of Science in Petroleum Engineering from Texas A&M University. He is a member of the Society of Petroleum Engineers, the Association of Petroleum Geologists and the Houston Geological Society.



Courtesy of Ernest A. Leyendecker

FOUNDATION'S HIGHLIGHTS (CONTINUED)

JAMES H. PAINTER, **Cobalt International Energy, Executive Vice President Execution & Appraisal**

James H. Painter has served as Executive Vice President since April 2013. Mr. Painter previously served as our Executive Vice President, Gulf of Mexico from our inception in November 2005 until April 2013. Mr. Painter has more than 34 years of experience in the oil and gas industry. Prior to joining Cobalt, from February 2004 to September 2005, Mr. Painter was the Senior Vice President of Exploration and Technology at Unocal Corporation. Prior to his position at Unocal Corporation (following the merger between Ocean Energy Inc. and Devon Energy Corporation), from April 2003 to October 2003, Mr. Painter served as the Vice President of Exploration at Devon Energy Corporation, an oil and gas exploration and production company. From January 1995 to April

2003, Mr. Painter served in various managerial and executive positions at Ocean Energy Inc. (and its predecessor Flores and Rucks, Inc.) with his final position as Senior Vice President of Gulf of Mexico and International Exploration. Additional industry experience includes positions at Forest Oil Corporation, an independent oil and gas exploration and production company, Mobil Oil Corporation and Superior Oil Company, Inc. Mr. Painter graduated with a Bachelor of Science in Geology from Louisiana State University in 1980.



Courtesy of James H. Painter

BERRY H. (NICK) TEW, Alabama State Geologist & Oil and Gas Supervisor

Dr. Tew holds B.S., M.S., and Ph.D. degrees in geology, and has substantial administrative, research, and service experience and has been a leader in an array of geoscientific endeavors at all levels of government and with numerous geoscience societies and other organizations. Dr. Tew has served as Alabama's State Geologist and Oil and Gas Supervisor since 2002. In these capacities, he is the Director of the Geological Survey of Alabama and the State Oil & Gas Board of Alabama. He joined the GSA/OGB staff in 1984 and during his career has conducted extensive research on the geology and natural resources of Alabama and surrounding areas.

His work has led to over 150 publications, including guidebooks, journal articles, technical reports, and abstracts, as well as scores of technical presentations. In addition to his position in state government, Tew holds an appointment as an Adjunct Professor in the Department of Geological Sciences at the University of Alabama and serves on the University of Alabama Museum's Board of Regents and the UA Department of Geological Sciences Advisory Board.



Courtesy of Berry H. Tew

GARRY WOODHOUSE, Vice President International Exploration & Geoscience, Occidental Oil and Gas Corporation

Garry has recently retired from the position of VP International Exploration & Geoscience for Occidental Oil and Gas Corporation. In this role he was a member of the Worldwide Management team responsible for all of Oxy's exploration and geoscience activities. He held this, or similar positions, since joining Oxy in April 2006. Prior to Oxy, he worked for BHP Billiton Petroleum for twenty years in a number of technical and management roles and spent his last five years at BHP as VP Global New Ventures.

numerous locations across the globe. He has also spent time in commercial gas marketing and business development roles. His tertiary qualifications include an Honors degree from Curtin University (Australia) and a PhD from Murdoch University (Australia), both in petroleum geochemistry.



Courtesy of Garry Woodhouse

Garry has worked in the petroleum industry for more than 35 years and has been involved with exploration and production projects in

Garry is a former President of the Australian American Chamber of Commerce and is a member of the Board of the Energy & Geoscience Institute at the University of Utah. He is also a Trustee of the American Geoscience Institute Foundation and a long term member of AAPG.

AGIF COMMITTEE UPDATES

The Committee extended Rick Powers term as a Chair for one year additional term. Daniel Domeracki assumed the role of Foundation's Vice Chair with the understanding that he will become chair

at the next officer change. Steve Cassiani will serve as Secretary for a three-year term. William Van Wie will continue as Treasurer for an additional three-year term.

DAN DOMERACKI ELECTED FOUNDATION'S VICE CHAIR

Dan Domeracki is Vice President, Government and Industry Relations for Schlumberger Limited. Before this role Domeracki served as Vice President, Global Accounts and Industry Affairs (NA) for Schlumberger where he was responsible for leading Schlumberger's global account program and dedicated Global Account teams. During 2008 – 2011 Domeracki was Global Account Director for ConocoPhillips managing the executive level corporate relationship between ConocoPhillips and Schlumberger. From 2006 – 2008 Domeracki was based in London where he served as Vice President, Marketing & Technology for the Schlumberger Reservoir Management Group.

In previous positions, Domeracki has served as Vice President of Marketing, Well Services worldwide. He also served as Marketing Manager for Schlumberger Canada and Vice President of GeoQuest Reservoir Technologies Consulting Group. Domeracki joined Schlumberger through the acquisition of Intera, Inc. (Eclipse reservoir modeling software) in 1995 where he served as EVP Reservoir Consulting.

Domeracki served on several task groups within Schlumberger to look at technology development and corporate organizational evolution. He is an executive corporate sponsor for selected acquisitions, served on the Schlumberger Gender Diversity board and is an active sponsor in the Reservoir Engineering Community SIG in Schlumberger's Eureka organization. Domeracki has served on the Board of Petroleum Technology Association of Canada and is a Past Governor of the Canadian Oilmen's Association. He holds a masters degree in geology from the University of South Carolina.



Courtesy of © 2015 Schlumberger Limited

Dan serves on a number of other non-profit boards, including the Houston Grand Opera; Junior Achievement, Houston; the Boy Scouts of America; Petroleum Equipment Suppliers Association; Sam Houston Council; World Affairs Council; the Alley Theatre; and Theater Under the Stars. Dan is also a mentor and coach for business students in the University of Houston SEI Institute. He and his wife, Denise, have three children.

NEWS FROM THE AGIF NOMINATING COMMITTEE

The Nominating Committee has reported the following Trustees have been approved for additional three-year terms: John Amoruso, Bruce S. Appelbaum, Michael J. Baranovic, Steven R. Bell, C. Scott Cameron, Peter D. Carragher, Stephen M. Cassiani, Daniel D. Domeracki, Priscilla C. Grew, Elwyn C. Griffiths, Charles G. Groat, James W. Handschy, G.W. (Skip) Hobbs IV, Paul R. Koeller, Richard M. Powers, John N. Seitz, Scott W. Tinker, William A. Van Wie, Lawrence P. Wilding, K.C. Weiner, and John A. Willott.

THANK YOU FOR YOUR SERVICE!

We express our heartfelt gratitude to the retiring trustees Richard E. Miguez, James M. Funk, Frank W. Harrison, Jr., Donald L. Paul, Daniel L. Smith, and David F. Work for their outstanding service.

WELCOME TO NEW EMERITUS TRUSTEES

The Foundation welcomes six new Emeritus Trustees: William E. Crain, William L. Fisher, Michael C. Forrest, William E. Gipson, M. Ray Thomasson, and Jack C. Threet.



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FROM THE CHAIRMAN'S CORNER

Dear Friends:

The AGI Foundation is in the process of dramatic transition. During the past two years, there have been tremendous changes in the life of the Foundation. AGI held its inaugural Critical Issues Forum, which was a great success. The Foundation has revised its bylaws and launched new procedures. Thanks to the Foundation membership committee's incessant efforts, we welcomed five new trustees. In fact, for the first time in many years, more than half of the Foundation trustees are currently employed by industry, which is remarkable.



©AGI

To boost the Foundation's fundraising outreach efforts and secure proper donor stewardship, the Foundation has added a development director, Andrey Gidaspov. He will help us build new partnerships, optimize fundraising systems and successfully implement the capital campaign for the Center for Geoscience and Society. To aid Andrey, Jim Handschy is leading a Campaign Development Committee composed of 12 trustees to define the fundraising strategy, develop fundraising documents and a prioritize a list of potential donors. We are pleased to announce that we have already secured a \$1M commitment to support the Center for Geoscience and Society. Details of that donation will be announced in the near future. The silent phase of the campaign will also officially kick-off in the next few weeks.

The changes in the Foundation are palpable. To reflect on these new and exciting developments, we decided to launch a quarterly newsletter to update you and many other friends and donors on the great work and progress AGI makes in its exciting mission to promote the geosciences. The newsletter will highlight the latest Foundation news, share AGI's success stories and showcase some terrific examples of how your generous contribution helps us bring geoscience to every corner of our society.

As you read this first issue of the AGI Foundation Quarterly Newsletter, I encourage you to consider making a gift to support AGI's programs. Please join the Foundation in its support of AGI's mission by considering a tax deductible donation today.

Thank you and I look forward to hearing from you.

Richard M Powers, PG, CPG
Foundation Chairman

WELCOME FROM P. PATRICK LEAHY

As Rick Powers stated in the cover letter, this has been a period of tremendous change for the AGI Foundation. In addition to these changes, it has been a tremendous pleasure to serve as the Interim Executive Director of the Foundation during this time of opportunity. Clearly, through the efforts, of Foundation and Institute leaderships, we have developed a new and exciting initiative for AGI and for geosciences.



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The concept of a Center for Geoscience and Society began about 4 years ago at a brainstorming meeting in Houston that was focused on new directions for the Foundation. From those rudimentary ideas and design ideas provided by many volunteers, committees and staff, AGI has implemented a very strong center program. The first Critical Issues Forum was conducted last November and culminated in the publication and distribution of 'America's Increasing Reliance on Natural Gas', which

has been widely acclaimed. Already plans are underway for the next forum among many other AGI Center activities.

I credit the Executive Committee of the Foundation for providing outstanding leadership during this time of transition. We have added rigor to our policies, procedures and fundraising. The Foundation is poised to accomplish some remarkable things over the next several years and it is gratifying for me personally and professionally to be part of this effort.

Dr. P. Patrick Leahy
AGIF Interim Executive Director

AGI-EXXONMOBIL TEACHER LEADERSHIP ACADEMIES

“A WELL ROUNDED PERSPECTIVE” FOR THE FUTURE STEM WORKFORCE

“I loved that there was a balance among content, usable lessons, and professional applications of STEM. It was a well rounded perspective, which will help us both as teachers and teacher leaders.”

The quote above is the reaction voiced in various forms by many teachers who recently took part in a future-looking project sponsored by ExxonMobil in collaboration with the American Geosciences Institute (AGI). Through activities ranging from designing hand-made recycled paper to building water filters and analyzing multi-layered lava flows, 50 teachers from across the U.S. spent time at ExxonMobil this past summer exploring the richness of geoscience as a source of real-world applications of science, technology, engineering, and mathematics (STEM) ideas.

The teachers were part of two separate weeklong Teacher Leadership Academies (TLAs) that were designed to enhance the participants’ abilities not only in teaching their own students, but also for sharing what they learn with their colleagues in their local schools and regions. The program’s goal always has been making them not just better teachers, but also teacher leaders. Two academies took place in 2015—one during June for teachers at the Kindergarten through grade 5 (K-5) level, and the other in July for middle school science teachers.

The academies, which have taken place annually over the past eight years, are an initiative to enhance geoscience education across the country, as well as build knowledge of geoscience and related STEM professions. As in the past, AGI staff and consultants facilitated the week-long experiences, using a variety of approaches to engage teachers with questions in geoscience education,

STEM teaching and learning, and effective ways to teach adults (i.e., the teachers they’ll present to the following fall).

As indicated by the quote at the start of this article, taken from one of the academy evaluations, the academies provided strong STEM activities, as well as the background that teachers need to analyze the activities for their qualities as the focus of STEM lessons. For example, the teachers built model aquifers and considered how the models could be made part of lessons, asking questions such as, “Is this STEM?,” “How is this like and unlike a real aquifer?,” “How can the weaknesses of this model become strengths in instruction?”. Through questions like these, the teachers reflected on the attributes of quality STEM instruction—such as the tendency for STEM teaching to involve long-term projects, and its focus on “big questions” and issues in today’s world (e.g., water quality).

A vital part of each academy was the opportunity for the teachers to interact directly with ExxonMobil scientists. Hearing about the variety of roles that these scientists take in research, exploration, and corporate operations helped the teachers to better understand the exciting and diverse work of STEM professionals, so that they could convey that understanding to students who will be the next generation of STEM workers.

Teachers attending the academy traditionally must be nominated by a school administrator who verifies that the teacher will have the opportunity to present a STEM workshop to teaching colleagues at either local or regional professional development sessions the following year. In 2015, more than 400 teachers applied for the academies,



Laurie Jordan and Dave Dyer work on a challenge

Courtesy of Ed Robeck

and teachers from 16 states and Puerto Rico attended. Approximately a fourth of the teachers who attended were at schools operated by the U.S. Department of Defense for children of members of the armed services.

The impact of the TLAs is impressive. Each academy participant is likely to share what she learns with 20 or more other professionals, each of whom could be expected to teach somewhere between 20 and 150 students a year. Through the Teacher Leader Academies, ExxonMobil is contributing to our nation’s ability to nurture the STEM-related interests and abilities of today’s youth.

AGI DEVELOPMENT UPDATES

During the past nine months, the AGI development team has raised over \$200,000 in corporate, individual, foundation and in-kind contributions.

CORPORATE OUTREACH:

AGI's corporate outreach efforts have been significantly expanded. The development team has actively approached and engaged current and new energy companies, as well as other "non-traditional" industry players, including:

- » Anadarko
- » Newmont Mining
- » Cameron International
- » Virgin
- » Lockheed Martin
- » Pitney Bowes
- » ExxonMobil
- » Schlumberger

Other companies that have been approached during this past year include: Dominion Power, Luck Companies, Boeing, IBM, SAP, Intel, Encana, Noble Energy, Antero, Approach Resources, Cabot Oil and Gas, Dresser-Rand, United, J.P.Morgan, Wells Fargo, Quark, FMC Technologies, Apache, Baker Hughes and others.

FOUNDATION OUTREACH:

The development team researched and identified private and family foundations that fund geoscience, STEM education and community outreach. As a result of these efforts, we secured funding for the following proposals:

- » Dorr Foundation
- » Pitney Bowes Foundation

In progress:

- » Proposals have been submitted to the following foundations:
- » Luck Company Foundation — \$15,000 (Earth Science Week Stakeholder Reception in Richmond)
- » US-Japan Foundation — \$135,000 (US-Japan Teacher Exchange)
- » Brach Foundation — \$150,000 (K-5 educational projects)
- » Council on Foundations Annual Meeting:

LEAVE A LEGACY WITH AGI

YOUR GIFT CAN BENEFIT THOUSANDS FOR GENERATIONS TO COME

Each year, 72 percent of Americans give to charities. But only 5.7 percent leave charitable bequests in their wills. The number one reason people gave for failing to leave a charitable bequest is that they were never asked.

We would like to invite you to consider joining the AGI Legacy Society. Join like-minded colleagues and friends and make plans to support the case of geoscience for future generations. If you'd like to receive more information about planned giving, please contact Andrey Gidasov at agidasov@agiweb.org

CENTER'S FUNDRAISING CAMPAIGN

JIM HANDSCHY WILL CHAIR CENTER'S FUNDRAISING CAMPAIGN

Jim Handschy, a long serving AGIF trustee and former ConocoPhillips senior executive, has agreed to lead the second phase of the fundraising campaign for the Center for Geoscience and Society. The silent phase of the Campaign will be launched shortly. The Campaign Development Committee is working on identifying lead donors and preparing fundraising materials for the campaign.

ABOUT THE AGI FOUNDATION

MISSION

Established in 1984, the AGI Foundation...

Supports educational, scientific, and charitable activities that benefit the geoscience community, member societies and associates of the American Geosciences Institute, and the public at large, and assists the Institute in seeking funding support for specific programs and endowments and in developing partnerships with corporations, private foundations, and other funding organizations.

CONTACT AGIF

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Tel: (703) 379-2480

Please send comments or inquiries to:
agidaspov@agiweb.org

CURRENT TRUSTEES

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| <p>Mr. John A. Adamick
TGS-NOPEC Geophysical Company</p> <p>Mr. John J. Amoruso
Legends Exploration</p> <p>Dr. Bruce S. Appelbaum
Mosaic Resources</p> <p>Mr. Michael J. Baranovic
Shell -- retired</p> <p>Mr. Steven R. Bell
CASA Exploration</p> <p>Dr. C. Scott Cameron
Shell Energy Resources Company -- retired</p> <p>Mr. Peter D. Carragher
BP America, Inc. -- retired</p> <p>Mr. William E. Crain
Chevron -- retired</p> <p>Mr. Scot Evans (Provisional Trustee)
Halliburton</p> <p>Dr. William L. Fisher
University of Texas at Austin</p> <p>Mr. Michael C. Forrest
Shell -- retired</p> <p>Mr. William E. Gipson
Gas Investments/Gas Fund Inc.</p> <p>Dr. Priscilla C. Grew
University of Nebraska State Museum</p> <p>Dr. Elwyn C. Griffiths
ExxonMobil Exploration -- retired</p> <p>Dr. Charles G. Groat
The Water Institute of the Gulf</p> <p>Dr. James W. Handschy
ConocoPhillips Company</p> <p>Mr. Jeffrey J. Heppermann
Freeport-McMoRan, Inc.</p> | <p>Mr. G. Warfield Hobbs IV
Ammonite Resources</p> <p>Mr. Ernest Leyendecker
Anadarko</p> <p>Dr. Kate C. Miller
Texas A&M University</p> <p>Mr. James H. Painter
Cobalt International Energy</p> <p>Mr. Thomas E. Scoulios
Schlumberger -- retired</p> <p>Mr. John N. Seitz
GulfSlope Energy, Inc.</p> <p>Dr. Mark W. Shuster
Shell Energy Resources Company</p> <p>Dr. Berry H. Tew Jr.
Geological Survey of Alabama</p> <p>Dr. M. Ray Thomasson
Thomasson Partner Associates, Inc.</p> <p>Mr. Jack C. Threet
Shell -- retired</p> <p>Dr. Scott W. Tinker
Bureau of Economic Geology</p> <p>Dr. Nick Way
ExxonMobil Exploration Company</p> <p>Dr. Paul Weimer
University of Colorado</p> <p>Mr. Kane C. Weiner
Texas Crude, LLC</p> <p>Dr. Lawrence P. Wilding
Texas A&M University -- Professor Emeritus</p> <p>Mr. John A. Willott
ExxonMobil Production -- retired</p> <p>Mr. Garry Woodhouse
Occidental Petroleum Corp.</p> |
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CURRENT OFFICERS

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| <p>Mr. Richard M. Powers, Chair
Consultant/AMEC-BCI -- retired</p> <p>Mr. Daniel D. Domeracki, Vice Chair
Schlumberger</p> <p>Mr. William A. Van Wie, Treasurer
Devon Energy Corporation -- retired</p> | <p>Mr. Stephen M. Cassiani, Secretary
ExxonMobil -- retired</p> <p>EX-OFFICIO
Dr. P. Patrick Leahy, Interim Executive Director
American Geosciences Institute Foundation</p> |
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