

SERVING THE GEOSCIENCES WORLDWIDE



**AGI**

THE AMERICAN GEOLOGICAL INSTITUTE

# 2008 Annual Report

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CSIRO Petroleum

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New Mexico Bureau of Geology & Mineral

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Sandalwood Oil & Gas L.P.

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#### **Palynologists**

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Georgia Southern University

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American Geophysical Union

### **American Institute of Hydrology**

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### **American Institute of Professional Geologists**

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American Institute of Professional Geologists

### **American Rock Mechanics Association**

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American Rock Mechanics Association

### **American Society of Limnology and Oceanography**

Adrienne Froelich Sponberg  
American Society of Limnology and Oceanography

### **Association for Women Geoscientists**

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Chevron Energy Technology Company

### **Association of American State Geologists**

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### **Association of Earth Science Editors**

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U.S. Geological Survey

### **Association of Environmental & Engineering**

#### **Geologists**

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Association of Environmental and Engineering  
Geologists

### **The Clay Minerals Society**

Blair F. Jones  
U.S. Geological Survey

### **Council on Undergraduate Research, Geosciences**

#### **Division**

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University of South Florida

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William Brown  
Aeroquest Limited

### **Friends of Mineralogy**

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Indiana Geological Survey

### **Geo-Institute of ASCE**

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University of Michigan

### **Geological Society of America**

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University of Texas

### **The Geological Society of London**

Edmund Nickless  
The Geological Society of London

### **Geoscience Information Society**

Lisa G. Dunn  
Colorado School of Mines

### **History of Earth Sciences Society**

Naomi Oreskes  
University of California-San Diego

### **International Association of Hydrogeologists/U.S.**

#### **National Chapter**

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University of Texas

### **International Basement Tectonics Association**

S. Parker Gay, Jr.  
Applied Geophysics, Inc.

### **Mineralogical Society of America**

J. Alexander Speer  
Mineralogical Society of America

### **National Association of Black Geologists and**

#### **Geophysicists**

Robert J. Johnson  
Paradigm Geophysical

### **National Association of Geoscience Teachers**

David N. Steer  
University of Akron

### **National Association of State Boards of Geology**

Wilson (Woody) H. Herrod  
Herrod Geoscience Consulting

### **National Earth Science Teachers Association**

Roberta Marie Johnson  
University Corporation for Atmospheric Research

**National Ground Water Association**

Kevin McCray  
National Ground Water Association

**National Speleological Society**

Kimberly A. Howell  
Houston, Texas

**North American Commission on Stratigraphic Nomenclature**

Jared R. Morrow  
San Diego State University

**Paleobotanical Section of the Botanical Society of America**

Robert A. Gastaldo  
Colby College

**Paleontological Research Institution**

Warren D. Allmon  
Paleontological Research Institution

**Paleontological Society**

Derek E.G. Briggs  
Yale University

**Petroleum History Institute**

Dr. William R. Brice  
Petroleum History Institute

**Seismological Society of America**

Susan Newman  
Seismological Society of America

**SEPM (Society for Sedimentary Geology)**

Howard E. Harper, Jr.  
SEPM (Society for Sedimentary Geology)

**Society for Mining, Metallurgy, and Exploration**

David L. Kanagy  
Society for Mining, Metallurgy, and Exploration

**The Society for Organic Petrology**

Prasanta K. Mukhopadhyay  
Global GeoEnergy Research Ltd.

**Society of Economic Geologists**

Brian G. Hoal  
Society of Economic Geologists

**Society of Exploration Geophysicists**

David R. Zinzer  
Minerals Management Service

**Society of Independent Professional Earth Scientists**

Thomas J. Smith  
Edmond, Oklahoma

**Society of Mineral Museum Professionals**

Virgil W. Lueth  
New Mexico Bureau of Mines and Mineral Resources

**Society of Vertebrate Paleontology**

Ted J. Vlamis  
Wichita, Kansas

**Soil Science Society of America**

David Lindbo  
North Carolina State University

**U.S. Permafrost Association**

Julie Brigham-Grette  
University of Massachusetts

**Liaison Representatives****Board on Earth Sciences and Resources of the National Academies (BESR)**

Anthony R. de Souza  
National Research Council

**Canadian Federation of Earth Sciences (CFES)**

Elisabeth C. Kisters  
Canadian Federation of Earth Sciences

**Consortium for Ocean Leadership (CFOL)**

Steven Bohlen  
Consortium for Ocean Leadership

**Northeastern Science Foundation (NESF)**

Gerald M. Friedman  
Northeastern Science Foundation

**U.S. Geological Survey (USGS)**

Barbara Wainman  
U.S. Geological Survey

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The American Geological Institute,  
founded in 1948, serves the  
geosciences by

- Providing geoscience information services and products
  - Presenting a focused voice on national science policy issues
  - Developing curriculum materials that strengthen K-16 earth science education
  - Increasing public awareness and understanding of the geosciences and environment
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# The Institute

Founded in 1948, AGI serves its member societies and the geoscience community of more than 120,000 geologists, geophysicists, earth and environmental scientists. AGI provides information services, serves as a voice of shared interests in our profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society's use of resources, resiliency to natural hazards, and interaction with the environment.

The Institute, a not-for-profit 501(c)(3) organization, supports its programs and initiatives through sales of its publications and services, royalties, contracts, grants, contributions and affiliated society dues.

AGI's staff of 60 employees provides professional and information services related to government affairs and science policy; earth-science education, outreach, geoscience workforce, and scholarships; environmental policy; the bibliographic database, GeoRef, and its Document Delivery Service; the monthly news-magazine, EARTH, and other publications. A Member Society Council and an Executive Committee, elected by the Council, govern AGI. The Member Society Council meets twice a year in conjunction with the annual meetings of the American Association of Petroleum Geologists and the Geological Society of America. The AGI Foundation, a Finance Committee, and advisory committees provide financial, policy, and program support to the Institute.

## 2008 Highlights and Milestones

- **Awards**  
Larry Woodfork, William Siok, and Susan Solomon are all recognized by AGI for their achievements in the geosciences.
- **GeoRef Continues Strong Performance**  
GeoRef set a new growth record and reached the 3.0 million bibliographic references mark.
- **Advancing Earth Science Education**  
The Education department completed Visions of Earth, a four-DVD set to accompany the new text, High School Environmental Science
- **Earth Science Week** celebrated 10 years of promoting the earth sciences.
- **Government Affairs Program** developed and distributed a Transition Document to highlight the role of the earth sciences to the new U.S. Administration.
- **Geotimes becomes EARTH after 52 years**, AGI's flagship publication changes its name to EARTH.
- **National Ground Water Association** becomes AGI's 45th member society.



# Awards

## **AGI Medal in Memory of Ian Campbell**

The AGI Medal in Memory of Ian Campbell is awarded annually to an individual in recognition of singular performance in and contribution to the profession of geology. Campbell, a geologist, educator, administrator and public servant, was known for his candor and integrity. His service to the profession touched virtually every facet of the geosciences. Campbell was president of the Institute in 1961.

Larry D. Woodfork was the 2008 recipient of the Ian Campbell Medal. Woodfork has long been a champion of the earth sciences, has served the profession in numerous leadership positions throughout his career and into his retirement. Since retiring as state geologist of West Virginia in 2002 he consults on energy development and not-for-profit activities. He has worked tirelessly to promote International Year of Planet Earth (IYPE) as Chairman of the Board of Directors of IYPE.

## **William B. Heroy Jr. Award for Distinguished Service to AGI**

The Distinguished Service Award is presented in honor of one of the outstanding geologists of the 20th century, William B. Heroy Jr., who advanced the use of geophysics in petroleum exploration and in geologic research worldwide. Recipients of this award are measured against his exemplary career. The Heroy Award is presented annually to a geoscientist in recognition of outstanding service to the Institute and to the geoscience profession.

William J. Siok received the 2008 Ian Campbell Medal for fostering a strong understanding of AGI for American Institute of Professional Geologists (AIPG) leadership, providing leadership in the discourse of the federation through active participation on the AGI Member Society Council, numerous AGI committees, and ensuring a robust communication between AIPG and its leadership to AGI, the member societies, and the federation as a whole. Siok is executive director of AIPG.

## **Outstanding Contribution to Public Understanding of Geosciences Award**

The AGI Award for Outstanding Contribution to Public Understanding of the Geosciences was established in 1985 and is presented annually to a person, organization or institution in recognition of an outstanding contribution to the public understanding of geology. The contribution may be in geology as a science or in geology as it relates to economic or environmental aspects of modern civilizations.

Susan Solomon, of the National Oceanic & Atmospheric Administration, was the recipient of the 2008 Outstanding Contribution to Public Understanding of Geosciences Award. She was recognized for her contributions to humankind's understanding of climate change. Solomon is also the 1999 National Medal of Science recipient and authored the book "The Coldest March: Scott's Fatal Antarctic Expedition." Solomon had a pioneering role in the international scientific community's efforts to discover the ozone "hole."

# Leadership

History will look back on 2008 as a year of major changes, from the rapid deterioration of the global economy to the election of the first African American as President. Change always brings both challenges and opportunities, as it did at AGI during 2008. The Institute capitalized on this change and took hold of several opportunities to advance our mission of strengthening the geosciences.

Two major events brought new strength to the institute – both in growing the federation to 45 member societies and in better positioning AGI’s flagship publication to bring the geosciences into the full public eye.

The National Ground Water Association (NGWA) became AGI’s 45th member society. With this new group comes another 14,000 voices that will help shape AGI’s programs and direction. As ground water continues to become an ever more critical societal issue, NGWA’s involvement in AGI will ensure that we are strengthening the collective geosciences voice in imparting timely and accurate ground water science to policy makers, the geoscience community, and the general public.

And as a follow-up to AGI’s successful effort, Faces of Earth, to bring geosciences to the broad public, AGI leadership made a firm and thoughtful commitment to relaunch AGI’s 52-year old flagship publication, Geotimes, as EARTH. The relaunch of the magazine coincided with a concerted effort to formalize its broadened coverage, invest in its production quality, and ensure its presence on newsstands around the nation, and the world. The magazine had been transformed to become the voice of the geosciences for both the profession and the general public. The new name brings a new level of accessibility for the general public that the profession has yet to reach previously.

The turmoil of 2008 also brought about great opportunities for AGI. Our Government Affairs Program coordinated the member societies in developing a Transition Document that highlights the importance of the earth sciences to top government officials and the U.S. leadership. The document identifies seven national issues and the role geosciences can play in addressing them: energy and climate, water, waste disposal, natural hazards, infrastructure, raw materials, and workforce and education needs. With the help of our member societies, this document has proven to be a crucial form of outreach to policy makers.

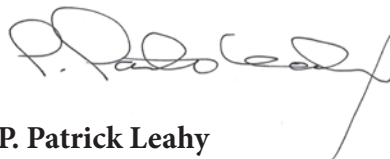
As the economy shifted, our Workforce program redoubled its efforts to informing on the state of the profession through the release of important data snapshots through Geoscience Currents. Topics covered ranged from salaries, oil prices, and university enrollments. These and other Currents issues the Workforce Department distributed, enabled geosciences organizations to face whatever challenges lay ahead armed with the information necessary to adapt to the transforming economy.

But the changes and opportunities were not just here at home. The year was one full of international activities for the geosciences, and AGI provided its support through participation and leadership. As a founding partner of the International Year of Planet Earth (IYPE), AGI has maintained an active presence on the Board of Directors of IYPE, participated in numerous IYPE events,

including the Global Launch Event. Likewise, AGI provided substantial outreach opportunities for IYPE by sponsoring a global photography contest through Earth Science Week and providing access to AGI’s video assets for several IYPE outreach efforts.

AGI also continued its tradition of attending the International Geological Congresses, by participating in the 2008 IGC in Oslo, Norway. Not only did AGI exhibit at the conference, distributing information and materials related to AGI and its member societies, but was an active participant in the congress by hosting a workshop on the Global Geoscience Workforce. Through these bridge building efforts, AGI and its member societies’ interests and activities were shared with our colleagues around the world.

AGI has grown the federation to ensure that we are the voice of all earth scientists, We’ve broadened our reach by becoming involved in international initiatives, and engaging new audiences. With the distribution of the Transition Document we’ve positioned the geoscience community as recognized key contributors to tackle society’s needs. As the economy struggles, our Workforce Program is working hard to distribute data on the key topics affecting our community. And we’ve reinvented our flagship publication to better communicate our news effectively to both the community and the public. By involving more earth scientists, raising our exposure to different audiences, and doing what’s necessary to promote our programs and publications we’ve ensured that AGI will be successful into 2009 and beyond.



**P. Patrick Leahy**  
AGI Executive Director



# GeoRef Information System

For the second year in a row, GeoRef set a new growth record, processing more than 130,000 new references. With more than 1500 sites subscribing to its online and CD-ROM services GeoRef remains the unrivalled leader for bibliographic information in the geosciences. The database project started in 1967, and the primary database now contains over 3.0 million bibliographic references with subject and geographic indexing. During 2008, an average of more than 2,500 references were added each week for serials, books, reports, conferences, maps and theses. Over 40 percent of all new references contain abstracts. More than 70 percent of the publications cited in GeoRef in 2008 were published outside the United States; these citations include references from 102 countries in 42 different languages. A staff of 34 work to produce the database. GeoRef is funded by sales of its products and services.

## Access To Georef

The GeoRef database is available in several modes: CD ROM, Web, Network license, online and custom search.

**CD-ROM:** GeoRef is published as a seven disc set, and produced for AGI by Ovid (SilverPlatter) Information, a division of Wolters-Kluwer. The CD is updated monthly.

**Web-Access:** GeoRef is available over the Internet using standard Web browsers. An organization can subscribe on an annual basis for unlimited access to GeoRef on the Web, from Ebsco, Proquest (Cambridge Scientific Abstracts), Engineering Village (a division of Elsevier), Dialog, Ovid (SilverPlatter and Ovid platforms), or from OCLC. An alternate approach to GeoRef on the Internet is the Electronic Reference Library (ERL), available from Ovid (SilverPlatter). This interface has the same look and feel as the CD version of GeoRef.

GeoRef is also available as a fully integrated part of GeoScienceWorld, the aggregation of geoscience journals. Subscriptions to GeoRef are combined in GeoScienceWorld with access to thirty-eight of the leading geoscience journals.

**Network License:** An organization or several organizations can obtain a copy of the GeoRef database from AGI and load it to provide unlimited use at a fixed annual fee. For example, a university could license GeoRef and make the database searchable by students and faculty over the same internal network as its own online library catalog. Updates are twice monthly.

**Online-Services:** GeoRef can be searched online through the DIALOG and STN search services. Online searching is done over phone lines from a personal computer. Users pay by time used and references delivered. Each of the search services provides its own search interface and offers access to multiple databases. For users who want continuously updated information, NERAC offers

searches of GeoRef on a custom basis and provides current awareness searches based on user interest profiles.

## GeoRef Services and Publications

- **GeoRef Thesaurus** – GeoRef’s guide to its controlled vocabularies for the geosciences; available in print and online as an integrated part of GeoRef; The 11th edition revision was completed and printed in 2008
- **GeoRef Serials List** – GeoRef’s guide to series covered by GeoRef; includes more than 18,000 titles; updated annually
- **GeoRef Document Delivery Service** – GeoRef’s locator service providing copies of hard-to-find maps, theses and foreign publications to researchers and students; located more than 1100 publications for users in 2008
- **GeoRef Previews** – GeoRef’s easy access to current literature (70K+ recent references); free to all users on AGI’s website; updated weekly
- **GeoRef In Process** – GeoRef’s database of unedited or unverified publications supplied by data exchange partners (>70,000 references); available through GeoRef vendors as a supplement; updated quarterly; also available as a combined database with GeoRef Previews through selected vendors

## AusGeoRef Enhancements

AusGeoRef, a cooperative project with Geoscience Australia, was greatly enhanced during 2008 by the continued addition of bibliographic records from AESIS, Australia’s Geoscience, Minerals and Petroleum Database. More than 40,000 references were added during 2008 bringing the total number of references in AusGeoRef to more than 180,000. AusGeoRef is available through subscription on the AGI web site.

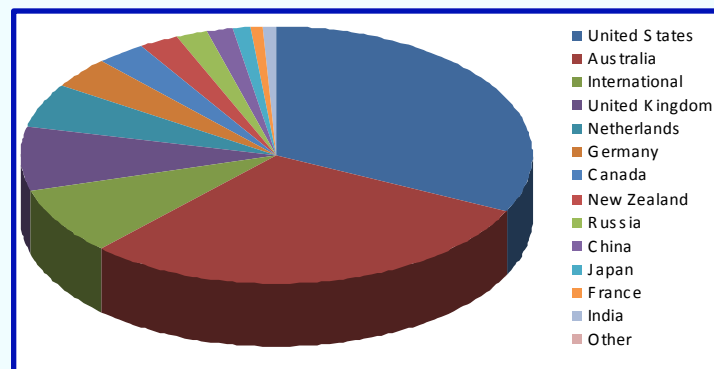
## Other Information Systems Department Products and Services in 2008

- **Cold Regions Bibliography Project** – continuing grant from NSF and the U.S. Army Corps of Engineers



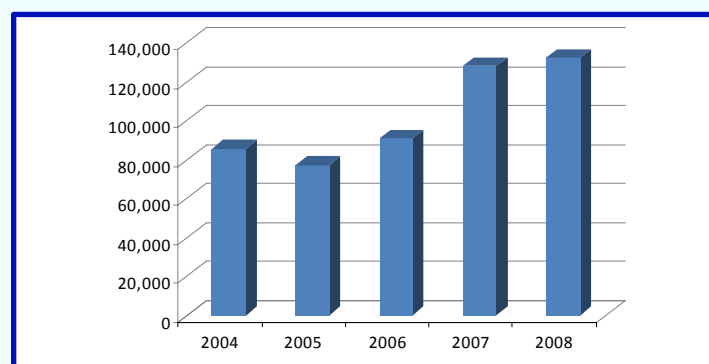
- Antarctic Bibliography – more than 85,000 references; updated weekly; free on AGI web site
- Bibliography on Cold Regions Science and Technology – more than 227,000 references; updated weekly; free on AGI web site
- IPY Publications Database – collaborative project with the Arctic Institute of North America and the Scott Polar Research Institute; launched in 2006 and updated quarterly in 2008
- Groundwater and Soil Contamination database – covers the soil and groundwater pollution fields; includes more than 122,000 references; available by subscription on the AGI web site; updated weekly; used in more than 80 libraries
- Integrated Ocean Drilling Program Publications Database – almost 25,000 references; sponsored by the Integrated Ocean Drilling Program and hosted on the AGI web site; free to the public
- Geologic Guidebooks of North America – produced in cooperation with the GeoScience Information Society; includes information on guidebooks in North America
- Glossary of Geology Online – updated by Information Systems staff in 2008; includes almost 1000 images of rocks, minerals and landforms from the ImageBank and 28,000 Spanish term translations

## 1. Publications by country (new figures below)



United States	39,857	30%
Australia	36,558	28%
International	10,876	8%
United Kingdom	9,685	7%
Netherlands	7,034	5%
Germany	4,608	4%
Canada	4,095	3%
New Zealand	3,036	2%
Russia	2,381	2%
China	1,798	1%
Japan	1,671	1%
France	1,060	1%
India	869	1%
Other	7%	

## 2. Total references processed by GeoRef annually



2004	85,852
2005	77,444
2006	91,295
2007	128,573
2008	132,776

# Technology and Communications

The Technology and Communications department works across all programmatic areas in support of AGI's mission. The Technology program carries on two functions. The first is the primary IT functions for AGI, ranging from servers and desktops to connectivity and procurement. The second is that of shepherding programs at AGI that tap technical geoscience expertise. Past projects for this role have included the Fox River Peer Review, Faces of Earth, and the Transcontinental Cross Section project. The department also serves AGI's general communication's needs. Responsibilities include press releases, conferences, meeting logistics, advertising, and inter-society communication efforts, such as GeoSpectrum.

Web-based Services Earthinquiry, a series of data-centric, web-based activities for introductory-level university geoscience courses in cooperation with W.H. Freeman Publishers, continues to be used in a number of universities. In June 2003, AGI launched the Earth Science World Image Bank for use by the education community and the public. By the end of 2008, AGI had digitized over 20,000 images and cataloged nearly 7500. Over 24 million images had been viewed through the Image Bank system, with the largest proportion being used in educational presentations. Indexing of the images is following the conventions and quality control standards used in GeoRef, providing an optimal search solution and allowing for integration of the database into future GeoRef products.

## Faces of Earth

The Faces of Earth TV series premiered on The Science Channel on July 23, 2007. The series aired frequently through the middle of August. Since the premier, the series has seen continued reruns on The Science Channel, as well as licensing for broadcast in Japan, Germany, and throughout the Middle East. Likewise, a DVD license was struck for home video distribution in Germany.

The video archive from the series is being used both commercially and educationally. FootageBank HD in Venice, California represents the footage for AGI to the video production industry. This arrangement is netting some regular royalties from use in documentaries and commercials. In addition, AGI has provided

access to the footage for use in educational efforts by several member societies, including the Geological Society of America and the American Association of Petroleum Geologists, and for use by International Year of Planet Earth in their outreach efforts. AGI has also produced, using the footage, a number of additional products, including the Why Earth Science? and the Visions of Earth videos.

AGI has seen an increase in requests for closed captioned versions of the videos for the educational market, and in response, AGI is looking to produce in 2009 both captioned versions for education and Blu-Ray versions for HD users.

## Press Releases

AGI continues to enhance the creation and distribution of press releases, including expanding targets into mainstream media. Hits on AGI press releases through services like EurekaAlert as well as follow-on use of the press releases indicate that this process remains a steady growth area for expanding awareness of the geosciences and the Institute. The effectiveness of these efforts became evident with media inquiries by Audubon, CNN Radio, National Geographic Television, USA Today, NPR, Time Magazine for Kids, BBC America, O Magazine, Fox News, Here and Now Radio Show, and Vanity Fair Magazine. Likewise, AGI is beginning to experiment with multi-media news and information releases, with an expectation of broader distribution in 2009.

## GeoSpectrum

During 2008, GeoSpectrum, AGI's e-newsletter located on the AGI website at <http://www.agiweb.org/geospectrum/>, continued drawing new readers. Using Drupal and later WordPress blogging software, AGI staff posted news notes from within the Institute and more importantly, from member societies and other science organizations. Topics covered included, leadership changes, science funding, education, current events, and more.

# Education and Outreach

AGI's Education programs include development of curriculum materials for grades 6 – 12, online resources for grades K-5, teacher enhancement programs and educational adjunct materials. AGI also works in partnership with other organizations to develop non-curricular educational materials, conduct teacher professional development, sponsor awards and publish reports.

## Curriculum Projects and Support Materials

AGI completed Visions of Earth, a four-DVD set to accompany High School Environmental Science (an NSF-supported program). High School Environmental Science is scheduled for publication at the end of 2009 by Delmar/Cengage Learning. It is comprised of a core text, a laboratory manual, and ancillary materials. AGI's video Why Earth Science? was translated into Spanish by the Mexican Committee of the International Year of Planet Earth and broadcast to all high schools in Mexico. The English version of Why Earth Science? has received a Telly Award, a Videographer's Award, and a Digital Media Award.

## Teacher Enhancement

The K-5 GeoSource professional development website for teachers was updated and expanded. AGI's online graduate level courses for teachers continued in 2008 through a partnership with the Science and Mathematics Education Department of the Illinois Institute of Technology. Thirty-one lead middle school Earth science teachers attended a week-long training workshop sponsored by BP Exploration in Houston, TX, July 20 – 25, 2008. The 2009 training is scheduled for the week of July 26-31 in Houston. AGI conducted a week-long leadership training for 25 K-5 teachers in Houston during the last week in June 2008. This first K-5 training was sponsored by a grant from ExxonMobil and was held at their Upstream Technical Training Center in Houston. A second training is scheduled for June 21-26, 2009.

AGI again collaborated with the American Chemical Society and American Physical Society to conduct cross-disciplinary workshops for grades K-8 teachers at the National Science Teachers Association Regional Meetings in Charlotte, NC on October 31; Portland, OR on November 21; and Cincinnati, OH on December 4. A joint summer workshop for 35 teachers, which also included participation from the National Association of Biology Teachers, was held from July 6 to 9 at Duquesne University in Pittsburgh.

## Other Education Department Programs

AGI supported awards programs offered by the AAPG (Earth Science Teacher of the Year), NAGT (Outstanding Earth Science Teacher Award), and National Science Foundation (Presidential

Awards for Excellence in Mathematics and Science Teaching). AGI also sponsored a \$1,000 prize and \$250 honorable mention award for high school student geoscience entries in the Intel International Science and Engineering Fair. AGI and the AGI Foundation collaborated to offer the Edward R. Roy, Jr. Award for Excellence in K-8 teaching. This award, which was won by Michelle Brand Buchanan of Louisiana, was given for the first time at the annual AAPG meeting in San Antonio.

AGI continued working as a subcontractor to SRI, Inc., on the final phase of a four-year Department of Education grant to compare three methods of professional development for middle school teachers. The three methods are: IES training alone; Earth Science by Design training alone; a combination of IES and Earth Science by Design training; and a control group. Subjects for the study are Duval County, FL teachers. AGI is also collaborating with SRI, Inc. on a second project to study the effects of using two new types of educational technology to teach IES lessons. This new project is supported by a grant from the National Science Foundation.

AGI collaborated with AAPG's Youth Education Activities committee to produce a guide for geoscientists visiting the classroom. This guide, which includes the Why Earth Science? video, is available both in hard copy and online.

## Outreach

AGI's Outreach Department works with AGI member societies as well as a number of federal and non-federal agencies and organizations to promote appreciation for the importance of Earth science in everyone's lives. They accomplish this through initiatives such as Earth Science Week, National Parks Programs and the Michael Collier exhibit, Stones from the Sky.

## Earth Science Week

The 11th annual Earth Science Week was held October 12-18, 2008, celebrating the theme "No Child Left Inside." This theme encouraged young people and others to explore Earth science outdoors in their own areas. Students, teachers, and Earth science enthusiasts in all 50 states and more than 18 countries took part. Over 20 million people worldwide learned about Earth Science Week and the geosciences through promotions, education, activities, media coverage, and the Internet. The Earth Science Week website received some 90,000 hits in October 2008 and over 445,000 hits throughout 2008.

The celebration also was spotlighted by hundreds of newspapers, television stations, websites, and other media outlets, such as NBC and National Public Radio, which covered the "No Child Left Inside" Day event hosted by USGS and AGI at a Virginia middle school. Major partners for the program included USGS, NASA, the AAPG Foundation, NOAA, the National Park Service, and the

Fish & Wildlife Service. These partners provided funding, kit materials, event support, and/or publicity for Earth Science Week. In addition to the hundreds of people who participated in AGI's traditional Earth Science Week contests, dozens more submitted images to the new joint Earth Science Week-International Year of Planet Earth Photo Contest.

Once again, AGI distributed 16,000 Earth Science Week kits to teachers and geoscientists, each of whom used materials to reach potentially hundreds of students. Each 2008 kit included special items such as a "Rite in the Rain" field notebook and a "Journey to the Center of the Earth 3D" Educator Guide. The number of AGI Member Societies requesting kits for distribution rose again in 2008 to 21 from 15 the previous year, and Toolkits were requested for distribution by the majority of State Geological Surveys.

During Earth Science Week 2008, AGI also launched new online offerings, made international connections, and promoted quality education through the new Edward C. Roy, Jr. Award for Excellence in Earth Science Teaching. Signaling the success of Earth Science Week, 94 percent of surveyed participants said they plan to increase or maintain participation in the future. Moreover, 84 percent said Earth Science Week offers opportunities to teach and promote Earth science they would not have otherwise.

## National Parks Projects

In addition to its ongoing participation in Earth Science Week, in 2008 the National Park Service continued a collaborative effort with AGI's Outreach Department to develop a series of print materials (brochures and posters) on the geology of the National Parks. The development and distribution of these products is supported by a Cooperative Agreement between the National Park Service and the AGI. The second poster, Caves in the National Parks, was finished and inserted in the 2008 Earth Science Week kits. It is also being distributed to the National Parks. A third poster, Glaciers in the National Parks, is scheduled for release in early 2009.

## Stones from the Sky Photography Exhibit

AGI continues to sponsor the Stones from the Sky exhibit of 45 of Dr. Michael's Collier's aerial photographs. In 2008, the exhibit was shown during the month of January at the USGS in Reston, VA; the National Science Foundation from March 1 through June 30, 2008; the Geological Society of America conference in Denver in October; and at the Houston Museum of Natural Science from September through February. It is currently at the Denver Museum of Nature and Science.

## Journey 3-D Project

AGI worked with Walden Media to produce an education guide in conjunction with the release of their film: Journey to the Center of the Earth 3-D. This is a re-make of Jules Verne's Journey to the Center of the Earth. The guide, which was in comic book format,

contained Earth science activities for students and carried the AGI logo. It had a distribution of 300,000 copies.



# Workforce Program

The American Geological Institute's Geoscience Workforce Program has established itself as the only comprehensive source of geoscience workforce data in the United States. The program promotes the development of a strong workforce for the geosciences through its outreach activities and collaborations across all sectors of the profession.

In 2008, AGI collected data from university departments, private industry, professional societies and government agencies in order to characterize the supply and demand for geoscientists at all experience levels and across all sectors of the economy. Workforce staff filled more than 100 direct requests for custom workforce data from professional geoscientists, journalists, government officials, university faculty, and many others, and presented results of internal data collection and analyses at major national meetings, including the AAPG, AGU and GSA annual meetings and the International Geological Congress. In addition, AGI sent out more than 19,849 copies of Geoscience Currents data briefs, with an additional 37,241 copies downloaded from the AGI website. The Geoscience Workforce Program has just published a compendium report entitled Status of the Geoscience Workforce that establishes the first comprehensive baseline of geosciences workforce and economic data.

AGI formed a committee of seven representatives from different sectors of the geosciences to advise AGI and to gather community support for programs that will identify, track and address developing workforce issues. This action-oriented committee meets regularly, and is positioning itself to affect change through leadership in the geoscience community in ways that will complement AGI's data collection and outreach activities.

AGI's data collection and committee discussions have identified two major workforce issues: the aging of the geoscience workforce and insufficient supply of new geosciences talent entering the field. To address these concerns, AGI began an aggressive outreach campaign in 2008. AGI created the "Academic Leadership Program", and recruited 72 strong geoscience departments from around the U.S. to help AGI identify emerging issues at university level and to pilot student recruitment strategies. AGI created 3,500 copies of student engagement materials designed to help geoscience departments attract the best and brightest new talent to the field. These materials were sent to the Academic Leadership Program departments as a pilot test beginning in March 2009.

AGI designed geoscience careers materials will be mailed directly to high school and community college students and their parents in Fall 2009. AGI staff is collaborating with faculty at the College of William and Mary to produce a comprehensive listing of community colleges that teach geosciences courses, and will use this information to build bridges with community college programs for future outreach initiatives. AGI has expanded its online presence on websites such as Facebook and YouTube to reach students via modern communication and social networking platforms.

Though AGI's initial data collection and outreach efforts have focused on the United States, the Geoscience Workforce Pro-

gram is making inroads with the international community. AGI co-hosted a workshop at the International Geological Congress held in Norway in August of 2008, and has been tapped by the International Union of Geological Sciences to lead a Task Force on Global Geoscience Workforce.



# Government Affairs

AGI's Government Affairs Program (GAP) was established in 1992 to represent the geoscience community in Washington, serve as an information source for federal policymakers, and alert AGI's member societies and their membership to developments in Washington that affect the geosciences. More than any other part of the Institute, this program exists to serve the AGI member societies - providing a flow of relevant policy information and lending logistical support to facilitate Washington visits and congressional testimony by member society leaders. The member societies provide about a third of the program's support through voluntary contributions. In addition to member society contributions, the program is supported by internal AGI funds, and a grant from the AGI Foundation's William L. Fisher Congressional Geoscience Fellowship Endowment.

The government affairs staff informs the geoscience community about program activities and events in Washington through several methods. Monthly reviews, special updates, and action alerts are sent by email directly to more than 1,000 member society leaders, public affairs committee members, geoscientists and policymakers. Several member societies redistribute these messages, thus reaching a broad segment of the geoscience community. The program's website, [www.agiweb.org/gap](http://www.agiweb.org/gap), provides a unique resource for geoscientists, students, and others seeking information on environmental, resource, natural hazards, and science policy issues. The site includes extensive updates on key legislation, articles by program staff, AGI testimony, summaries of reports and hearings, and tips on how geoscientists can become active citizen scientists. The site is used by geoscientists, congressional staffers, federal and state agency officials, and others in the United States and abroad. The staff also provide policy information to the geoscience community by more traditional means through articles in EARTH and member society publications, and presentations at universities and member society meetings.

## Internship Program

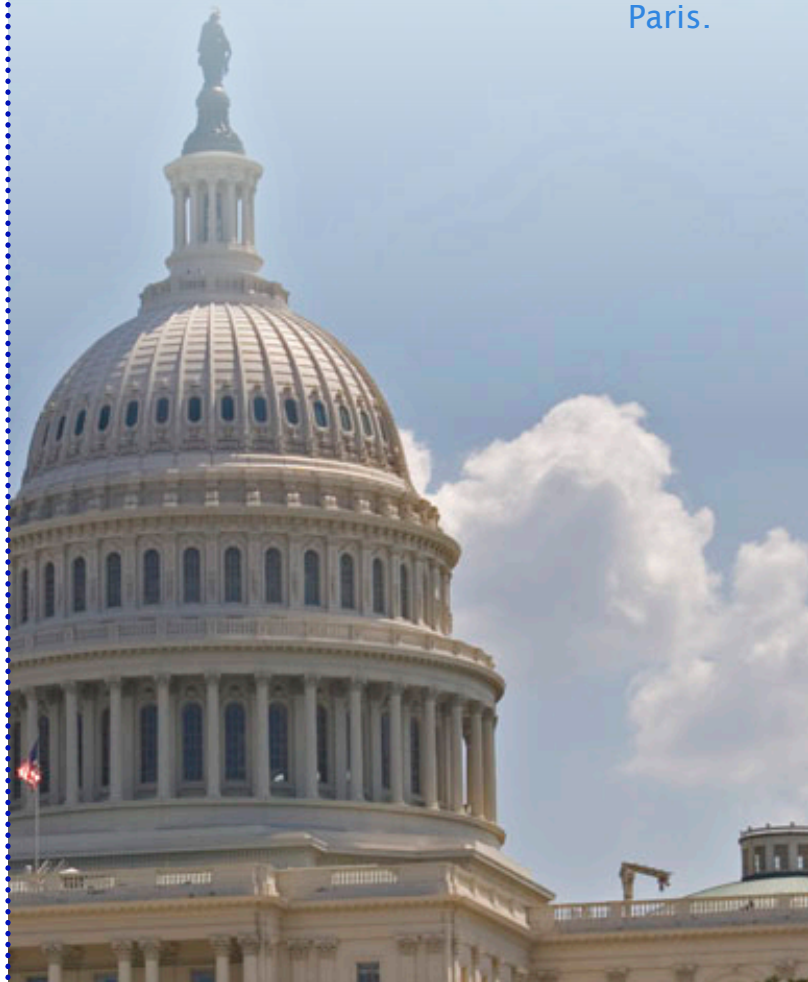
Our successful internship program provides talented geoscience students with the opportunity to get a first-hand look at the federal policymaking process. The American Institute of Professional Geologists (AIPG) Foundation continued its strong support of the summer program, allowing AGI to host three undergraduate geoscience students: Laura Bochner (Lafayette College, PA), Jillian Luchner (Humboldt State University, CA) and Corina Cerovski-Darriau (University of California, Berkeley). The American Association of Petroleum Geologists (AAPG) Foundation provided support for Merilie Reynolds (Smith College, MA) during the fall semester. The interns attended congressional hearings, researched a wide variety of topics, and attended seminars and meetings with science policy leaders to develop a broader understanding of policy issues facing the geoscience community. Articles by the AIPG/AGI summer interns appeared in *The Professional Geologist* and an article by Reynolds appeared in *The Explorer*. Former interns currently work for the Office of the Vice President, the Consortium for Ocean

## AGI CONGRESSIONAL SCIENCE FELLOW



With generous support from the AGI Foundation, the William L. Fisher Congressional Geoscience Fellowship continued

to bring geoscientists to Congress. In September, Gabrielle Dreyfus began her term as AGI's 2008-2009 fellow. Gabrielle was awarded a Ph.D. in geosciences from Princeton University and the University of Paris.



Leadership, AGU, AAAS and other policy-related organizations while others have pursued careers in science and industry.

## Raising Congressional Awareness

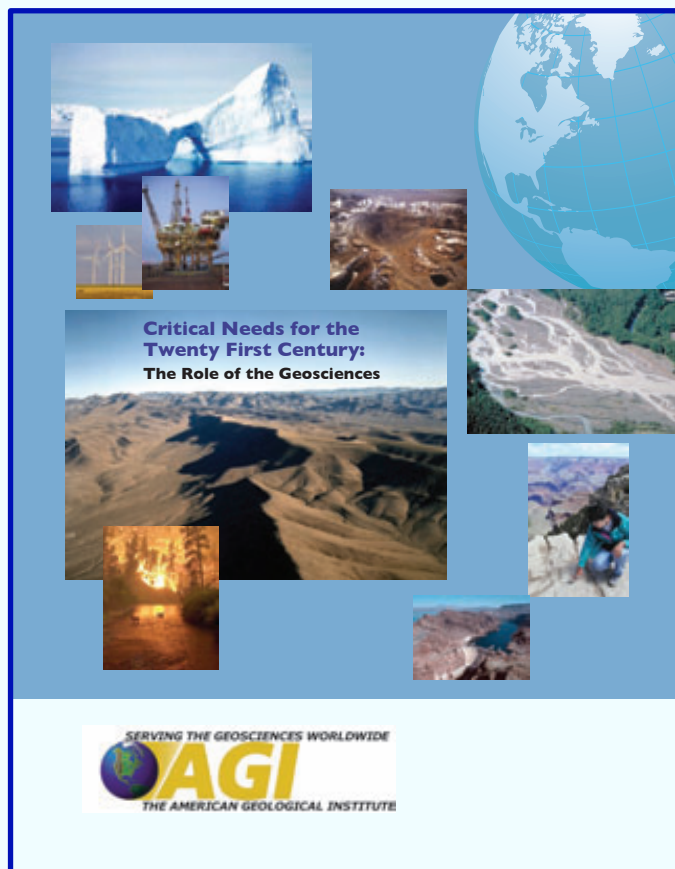
In March, approximately 35 geoscientists and geo-engineers participated in the thirteenth annual Science-Engineering-Technology Congressional Visits Day event, which promotes federal investment in research and the importance of partnerships between federal and state government, academia, and industry. Participants were briefed on congressional processes and the federal science budget before conducting visits with their representatives and senators.

In June, AGI, in partnership with the American Geophysical Union (AGU) and the Geological Society of America (GSA), sponsored two booths at the Coalition for National Science Funding's Capitol Hill exhibition and reception showcasing research and education projects supported by the National Science Foundation. Six geoscientists visited with congressional offices during the day and then explained their research to other decision-makers, the director of NSF, Arden Bement, and many others at the evening reception.

In September, the geoscience community gathered together for the first Geosciences Congressional Visits Day (GEO-CVD) in Washington DC. More than 60 geoscientists from 26 states conducted over 100 congressional visits with Members of Congress, congressional staff and congressional committees. Each geoscientist communicated a message about the importance of investing in geoscience R&D and geoscience education at the federal level. The event was organized by the informal Geopolicy Working Group (GWG). GWG consists primarily of the public policy offices of the AAPG, AGI, AGU, the American Society of Limnology and Oceanography, GSA, the Seismological Society of America and the Soils Science Society of America.

## PUBLIC POLICY IMPACT

During 2008, GAP worked closely with our member societies to produce a policy guidance document for the new Administration and new Congress. The document entitled "Critical Needs for the Twenty First Century: The Role of the Geosciences" offers policy guidance on seven critical needs - energy and climate change, water resources, waste management, infrastructure, natural hazards, raw materials and geoscience education and workforce. The document has been distributed and discussed widely with geoscientists, policymakers and the public. The document and related discussions have been effective in highlighting the importance of the geosciences and providing a pathway for helping the geoscience community to work on critical needs with policymakers and the public. A PDF of the document is available at <http://www.agiweb.org/gap/trans08.html>



# EARTH Magazine

For 52 years, Geotimes was the flagship publication of the American Geological Institute. Beginning with the September 2008 issue, Geotimes became EARTH. This name change represents the apex of the transition of the magazine from a intersociety newsletter to a public outreach tool for the geosciences. Along with the name change came several major production enhancements, including an expansion of page count to 92, better paper stock, perfect binding, and major investments in an enhanced art program.

EARTH also managed to secure a distribution contract with Curtis Circulation that will see the monthly newsstand presence of the magazine expand from about 1,000 copies per month in the US to about 20,000 copies per month, worldwide. Also with this enhanced presence, EARTH made efforts to test new marketing approaches in late 2008, but has suspended those in face of the difficult consumer economy.

At the end of 2008, EARTH was making a major shift to meet industry standard production schedules to enhance the timeliness and marketability of the publication.

Editorially, EARTH continues to embrace the full scope of its outreach mission of covering earth, energy, and the environment. This expansion has met some resistance from long-term Geotimes readers, but the broadening of coverage has brought in new exposure of the geosciences to a much wider public audience.

## Publications

In 2007, AGI had a second printing of its very popular book the Geoscience Handbook: AGI Data Sheets 4th Edition and by the end of 2008 was planning a third printing, but with some minor revisions to the document. AGI also continued offering its Glossary of Geology as an online subscription for individuals and institutions and organizations. Site licenses expanded dramatically in 2008, and renewal rates are above 95%.

AGI also made a presence at a number of conferences, including the American Association of Geographers, American Association of Petroleum Geologists, ASPRS, Geological Society of America, International Geological Congress in Oslo, and the American Geophysical Union. All of these efforts expanded awareness of AGI publications and services, but our participation in the “non-traditional” meetings were most fruitful.

AGI is expanding its distribution and marketing efforts for publications. AGI continued its publications distribution agreements with Amazon.com which provides deeper market penetration and increases in core publication sales. In addition, AGI distributed more than 60,000 copies of a Geoscience Science Services Catalog, which included AGI member society publications and information, as well as AGI publications.

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# Environmental Affairs

AGI formally established its Environmental Affairs Program department in 1998. The program started to take shape in 1993 with the appointment of an Environmental Geoscience Advisory Committee (EGAC) ably chaired by AGI past president Philip E. LaMoreaux. The activities of the Environmental Affairs Program are guided by the EGAC which is now chaired by Geoff Plumlee (USGS). Representatives of AGI's member societies serve on the EGAC along with liaison representatives from selected government agencies, academic institutions, and industry. Comprising more than 30 geoscientists actively involved in various aspects of environmental research and industrial applications, the committee provides a forum for developing broad consensus concerning the role of geoscience in key environmental issues.

## Environmental Awareness Series

The Environmental Affairs Program continued development of the highly successful Environmental Awareness Series of publications. This series promotes better understanding among citizens and policy-makers of the role of earth sciences in all aspects of understanding and mitigating environmental concerns. The foundation of the series is a 64 page richly illustrated publication in full color. Posters are developed that accompany the booklets and visually emphasize their general theme. The posters also include explanatory material and a related student investigation.

Each volume addresses specific and timely environmental topics in clear non technical language. Experts from the ranks of AGI member societies present science-based explanations of environmental concerns and how we can technically deal with them. Each manuscript is extensively reviewed for completeness and accuracy as well as "readability." The reviews enable the authors, editors, and designers to create a booklet that is appealing, informative, and scientifically accurate.

Appropriate publishing partners are invited to sponsor and distribute the individual volumes in the Environmental Awareness Series. In order to ensure wide distribution, organizations involved in public outreach and education activities, such as teacher enhancement programs, can purchase bulk quantities of these publications at cost. In addition, gratis copies are sent to selected educators, lawmakers, and congressional staff. Copies of each booklet are also made available for purchase through AGI and publishing partners at a moderate price.

AGI produced the first book of the series, Sustaining our Soils and Society, in 1998, in cooperation with the Soil Science Society of America and USDA, Natural Resources Conservation Service. In the following years, AGI has produced in cooperation with a number of government agencies, societies, and other organizations a long list of publications, including Metal Mining and the Environment, Living with Karst – A Fragile Foundation, Water and the Environment, Petroleum and the Environment, Meeting

Challenges with Geologic Maps, Aggregate Operations and the Environment, Soils, Society, and the Environment and Coal and the Environment.

The tenth book in the series, Living with Unstable Ground will be published in early 2009.

Author teams are also working on several additional topics including Geology and Cities, The Coast, Minerals and Health, Nuclear Energy, and Volcanoes. Although already broad in scope, the list of subjects included in the Environmental Awareness Series is likely to grow.

## Environmental News

The Environmental Affairs Program provides a monthly email of environmental news to the Environmental Geoscience Advisory Committee members and other interested parties. This service enables member society representatives to relay relevant environmental information to their organizations in a timely manner.

## Environmental Geoscience Textbook

The National Association of Geoscience Teachers (NAGT) has teamed with AGI to develop and publish an environmental geoscience textbook (Living with Earth) for the non-science major in college. This book is now in production at Prentice Hall.



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 Larry Wilding  
 Charles R. Williamson  
 John and Alaine Willott  
 Armour C. Winslow  
 David F. Work

### 500 Club

Edward S. Belt  
 Robert H. Blodgett  
 Thomas E. Ewing  
 Thomas A. Fitzgerald  
 Robert D. Hatcher Jr.  
 Roy M. Huffington  
 Wilson Humphrey  
 Ernest A. Mancini  
 Richard E. Migues  
 Richard L. Nielsen  
 William M. Quackenbush  
 Robert W. Ridky  
 Robert Ryan  
 Raman J. Singh  
 Harvey and Heather Smith  
 Marilyn L. Smith

### Centurion Club

Terry V. Almsted  
 James David Applegate  
 Larry B. Baggett  
 Jean M. Bahr  
 Victor R. Baker  
 Earl A. Baldon  
 George A. Ball, Jr.  
 C. S. Venable Barclay  
 John M. Barnes  
 Charles S. Bartlett  
 Gerald R. Baum  
 R. Michael Beathard  
 Charles F. Berkstresser Jr.

William C. Berridge  
Richard Berry  
Sue Ann Bilbey  
Richard S. Bishop  
Claude E. Bolze  
Jeannette Boyer  
Lawrence W. Braile  
Margaret C. Brandt  
Philip F. Brennan  
Donald A. Brobst  
Severn P. Brown  
Dennis M. Buck  
Scott and Glenda Burns  
Gary Ray Byerly  
Jon D. Champeny  
William A. Cobban  
Kirby L. Cockerham, Jr.  
John M. Colvin  
Clarence F. Conrad,  
J. Maurice Cox  
David Curtiss  
Ellie R. Cyr  
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Donald M. Davidson, Jr.  
Nicholas F. Davis  
Maurice Deul  
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Haig F. Kasabach  
Marvin E. Kauffman  
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Joe R. Klutts  
Theodore A. Konigsmark  
Carl Koteff  
Edward Landa  
John F. Lawlor  
Martha K. Layman  
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Ernest K. Lehmann  
Morris W. Leighton  
Robert I. Levorsen  
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Donald R. Lindsay  
Mark W. Longman  
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Richard Lund  
R. Heather Macdonald  
David B. MacKenzie  
James A. Madison  
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John J. Markham  
John H. Marshall, Jr.  
Brian Mason  
John W. Mason  
Terry W. Massoth  
Emil J. Mateker, Jr.  
Edmond A. Mathez  
G. Brent McAfee  
Cameron McCarthy  
Joseph G. Minke  
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Haydn H. Murray  
Peter B. Nalle  
James T. Neal  
Sarah E. Newcomb  
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William F. Oline  
John P. Olson  
John C. Osmond, Jr.  
Elaine R. Padovani  
Allison R. Palmer  
Richard B. Palmer  
Quintin Papineau  
Robert H. Paschall  
Alma Paty

James A. Peterson  
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R. Jeffrey Serne  
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John S. Williams  
John R. Williams  
Richard S. Williams, Jr.  
John Stephen Woncik  
Gene Woodruff  
J. Lamar Worzel  
Walter Youngquist  
Herman B. Zimmerman

# Financial Summary

In 2008, the economy experienced home prices declining, and the financial system reverted to a history-repeating 1929 era that included banks failing and a plunging stock market. All market sectors were negative in 2008, erasing trillions of dollars of investors' wealth. After adjusting for inflation, stock values were more than 40% lower than their 2007 high and more than 50% lower than their 2000 high.

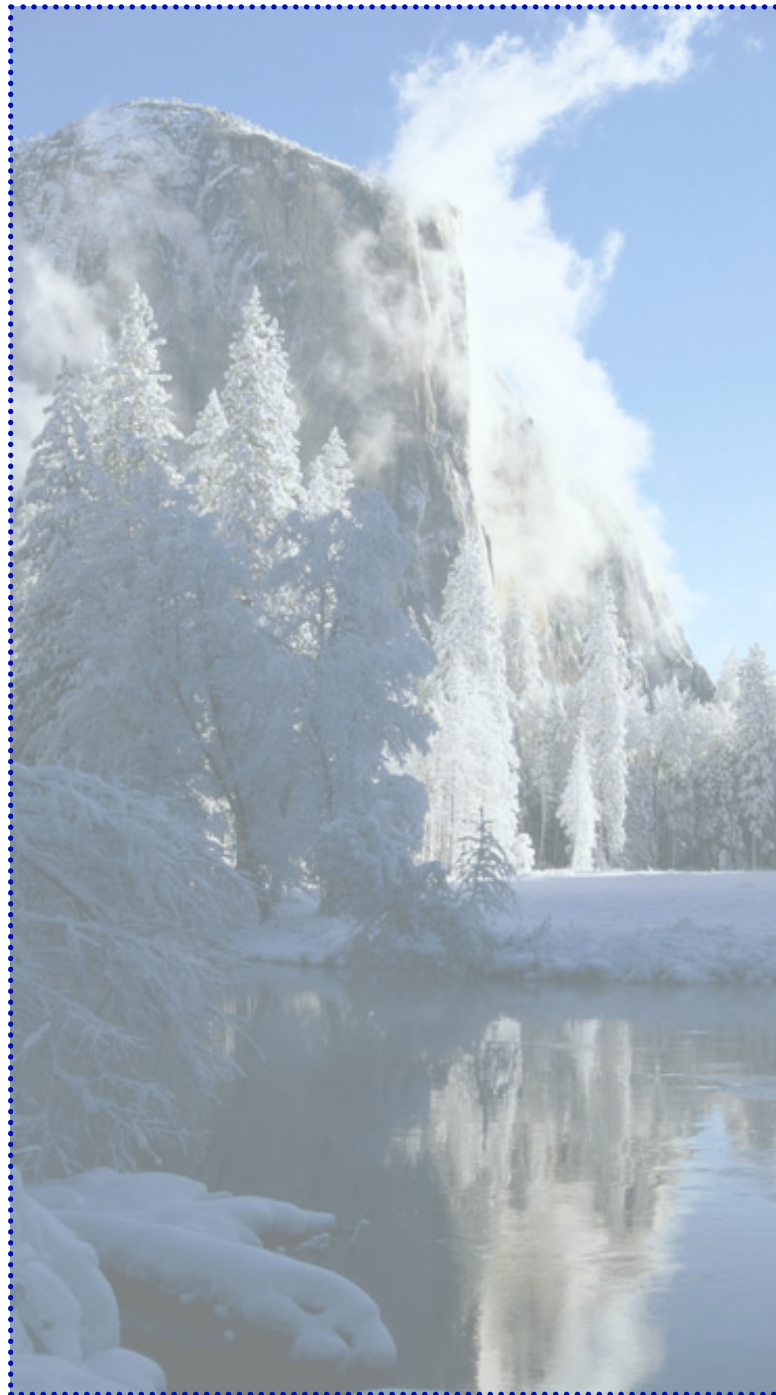
AGI's stock fund investments declined a few percentage points higher than the major indices. AGI's stock funds are a little more aggressive with about half of the funds in energy and real estate. In a bull market, those funds tend to do better than the major benchmarks. In 2008, AGI's stock fund portfolio declined 42.3%, compared to 38.1% for the S&P 500 Index. While the decline in market value of the stock funds was higher than the benchmarks, AGI had only 34% of its portfolio in equity funds at the beginning of the year. In May of 2008, AGI sold about a fifth of those equity holdings, which reduced equity funds to about 27% of total investments as of May 31, 2008. Most of AGI's 2008 investments were in interest-earning cash and cash equivalent investments. With about 73% of investments in cash and Treasuries for most of 2008, AGI's total investment return was a negative 10.3%

AGI's investment write-down on stock funds was the reason for the first negative bottom line in sixteen years. Unfortunately, the accounting standards require market valuations of investments to be reflected in the Statement of Activities instead of as a footnote. It should be noted that if the investment write-down wasn't reflected in the activity statement, AGI's bottom line would have been positive.

Despite the negative year, AGI's financial position continues to show resilience; current assets are nearly 4-to-1 over current liabilities and cash and investments were over \$3 million at the close of calendar year 2008. In addition, with the final payment made on its headquarters building, AGI has no material debt.

AGI's conservative financial practice has served well in the past and its financial strength is a key strategic advantage during this recessionary business cycle.

In summary, market value decline in AGI's mutual fund investments was the reason for the 2008 negative bottom line of nearly \$153,000. It should be noted, however, operational results were in the black nearly \$280,000.





KOSITZKA, WICKS • COMPANY  
Certified Public Accountants

### Independent Auditor's Report

Member Society Council  
**American Geological Institute**  
Alexandria, Virginia

We have audited the accompanying statements of financial position of the **American Geological Institute** (a not-for-profit corporation) as of December 31, 2008 and 2007, and the related statements of activities, functional expenses, and cash flows for the years then ended. These financial statements are the responsibility of **American Geological Institute's** management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the **American Geological Institute** as of December 31, 2008 and 2007, and the changes in its net assets and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

*Kositzka, Wicks and Company*

Alexandria, Virginia  
March 10, 2009



American Geological Institute

Statements of Financial Position  
December 31,

	2008	2007
<b>Assets</b>		
Current assets		
Cash and cash equivalents	\$ 1,071,392	\$ 664,204
U.S. Treasury securities	1,500,000	1,000,000
Marketable securities	470,458	1,465,541
Accounts receivable	1,278,739	1,260,170
Grants and contracts receivable	38,953	91,846
Prepaid expenses and advances	68,452	37,647
Inventory of publications	30,045	44,171
	<u>4,458,039</u>	<u>4,563,579</u>
Property and equipment, at cost		
Building and improvements	1,901,383	1,901,383
Furniture and equipment	293,611	300,644
Less: Accumulated depreciation	<u>(1,331,914)</u>	<u>(1,283,773)</u>
	863,080	918,254
Land	<u>525,032</u>	<u>525,032</u>
	1,388,112	1,443,286
Other assets		
Trademark	108,540	-
GeoRef database, at appraisal value	4,500,000	4,500,000
Software, net of amortization	12,026	1,817
Mineral displays	<u>13,362</u>	<u>13,362</u>
	4,633,928	4,515,179
<b>Total assets</b>	<u><u>\$ 10,480,079</u></u>	<u><u>\$ 10,522,044</u></u>
<b>Liabilities and net assets</b>		
Current liabilities		
Accounts payable and accrued expenses	\$ 326,773	\$ 261,317
Advance subscription and project income	629,833	488,741
Note payable, current portion	-	110,481
Accrued vacation	151,407	123,052
Publication obligations, current portion	<u>17,860</u>	<u>-</u>
	1,125,873	983,591
Long-term liabilities		
Note payable, net of current portion	-	108,504
Publication obligations, net of current portion	<u>76,960</u>	<u>-</u>
	76,960	108,504
<b>Total liabilities</b>	<u><u>1,202,833</u></u>	<u><u>1,092,095</u></u>
Net assets		
Unrestricted	9,198,432	9,360,730
Temporarily restricted	<u>78,814</u>	<u>69,219</u>
<b>Total net assets</b>	<u><u>9,277,246</u></u>	<u><u>9,429,949</u></u>
<b>Total liabilities and net assets</b>	<u><u>\$ 10,480,079</u></u>	<u><u>\$ 10,522,044</u></u>

The accompanying Independent Auditor's Report and Notes are an integral part of the Financial Statements.

# American Geological Institute

## Statement of Activities for the year ended December 31, 2008

	Unrestricted	Temporarily Restricted	Total
<b>Support and revenue</b>			
Advertising	\$ 237,820	\$ -	\$ 237,820
Dues	133,322	-	133,322
Grants, contracts, and services	1,076,753	-	1,076,753
Contributions	112,669	10,000	122,669
Publication sales	200,596	-	200,596
Subscription income	309,221	-	309,221
Royalties	3,786,635	-	3,786,635
List rentals	2,838	-	2,838
Interest and investment income (loss)	(349,339)	-	(349,339)
Other	96,888	-	96,888
Net assets released from restrictions:			
Satisfaction of program requirements	405	(405)	-
	<u>5,607,808</u>	<u>9,595</u>	<u>5,617,403</u>
<b>Expenses</b>			
Publications	153,364	-	153,364
Grants and contracts	1,053,997	-	1,053,997
Education and special programs	421,092	-	421,092
Environmental series	70,104	-	70,104
Magazine department	666,142	-	666,142
GeoRef department	1,794,652	-	1,794,652
Public relations	206,717	-	206,717
General and administrative	1,404,038	-	1,404,038
	<u>5,770,106</u>	<u>-</u>	<u>5,770,106</u>
<b>Change in net assets</b>	(162,298)	9,595	(152,703)
<b>Net assets, beginning of year</b>	<u>9,360,730</u>	<u>69,219</u>	<u>9,429,949</u>
<b>Net assets, end of year</b>	<u>\$ 9,198,432</u>	<u>\$ 78,814</u>	<u>\$ 9,277,246</u>

# AGI FOUNDATION

The American Geological Institute Foundation (AGIF) assists the Institute in seeking funding and partnerships with foundations, corporations, other organizations, and individuals that share AGI's commitment to create innovative earth science programs of benefit to all citizens. The Foundation provides start-up, development, or matching funds for AGI programs approved by the AGIF trustees. The trustees represent a broad spectrum of geoscience interests and industries; including petroleum, mining, environmental, engineering, government, and education. Their primary role is to raise funds for specific programs and to advise AGI as appropriate. Since 1996 the Foundation has raised more than \$12 million and continues to raise funds in support of the following programs.

**K-12 Education:** The Foundation provides major support for programs that prepare teachers to use AGI's two national curriculum programs: Investigating Earth Systems (grades 6-8) and Earth System Science in the Community (EarthComm) (grades 9-12). These teacher support programs include face-to-face workshops around the country, online teaching resources, and web-based graduate-level courses. AGI offers the graduate courses to teachers through a partnership with the Illinois Institute of Technology. The Foundation also continues to provide funding support for the K-5 GeoSource professional development web site for elementary teachers. This site, which was developed by AGI, contains geoscience content, activities, resources, career information, and educational research. In 2008, AGI staff members used material from the K-5 GeoSource site to conduct the first K-5 Earth Science Summer Leadership Teacher Academy sponsored by Foundation member ExxonMobil Exploration. Material from Investigating Earth Systems was used in 2008 during the second Summer Leadership Academy for middle school teachers supported by Foundation member BP Exploration. In addition, foundation funds contributed to the development of a major AGI video product in 2008 – Visions of Earth. This four-DVD set, which is already available to schools, was designed to accompany AGI's new High School Environmental Science textbook, scheduled for release by Delmar/Cengage Learning in late 2009. Finally in 2008, the Foundation and AGI collaborated to sponsor the first Edward C. Roy, Jr. Award for Excellence in K-8 Earth Science Teaching. The award was given to Michelle Brand Buchanan, an exemplary teacher of middle school Earth science in Louisiana.

**Congressional Geoscience Fellowships** provide an opportunity to increase the geoscience presence on Capitol Hill. In 2003, the Foundation established the William L. Fisher endowment to provide permanent funding for the AGI Congressional Geoscience Fellowship. The \$2.0 million endowment recognizes William L. Fisher for his outstanding service to the nation, his home state of Texas, and the geological profession. The Fisher endowment is the first of its kind among all the many scientific and engineering societies that have supported fellows over the 30-year history of the fellowship program, administered by the American Association for the Advancement of Science.

**The Environmental Awareness Series** consists of publications that provide a balanced review and discussion of key environmental geoscience concerns. Each book is produced in cooperation with AGI member societies and covers the nature and complexity of major environmental issues on a given topic. Additional books in the series are planned.

**The Workforce Program:** In 2008, the AGI Geoscience Workforce Program continued to track supply and demand of geoscience workers and other parameters affecting the geoscience community; to inform students, parents, and others concerning the importance and opportunities in the geosciences; and to engage students, faculty, and others in attracting and retaining high quality geoscience majors.

## Philanthropy

Contributions from individuals, corporations, and foundations enable AGI to respond to needs in the geoscience community with programs that meet those needs. Planned gifts from individuals can help provide programs of great benefit to the geoscience community while bringing significant financial advantages to the donor. The Foundation's financial managers, Woodway Financial Advisors, are an experienced and successful trust company in Houston, Texas, that has fiduciary responsibility to manage the Foundation's programmatic and endowment accounts. Woodway can provide advice to potential individual donors or their representatives and to organizations interested in planned charitable giving or establishing meaningful endowments, as well as the management of assets in trusts.

**The AGI Foundation**, established in 1984, is a non-profit, non-stock corporation operating under the laws of the state of Virginia and in accordance with Internal Revenue Service (IRS) codes governing tax-exempt charitable and educational organizations 501(c)(3). An independent audit is conducted annually. Gifts to the Foundation are tax-deductible. Individuals who would like more information about the planned giving program or who wish to tailor a personal giving program should contact either Maureen Phillips of Woodway (1-800-940-0650) or J.F. (Jan) van Sant, Executive Director, AGI Foundation, 10777 Westheimer, Suite 250, Houston, TX 77042-3453 Tel: (713) 787-6767 Fax: (713) 787-6772

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William A. Van Wie, Vice-Chair Devon Energy Corporation  
William L. Fisher, Secretary University of Texas at Austin  
William E. Gipson, Treasurer Houston, TX

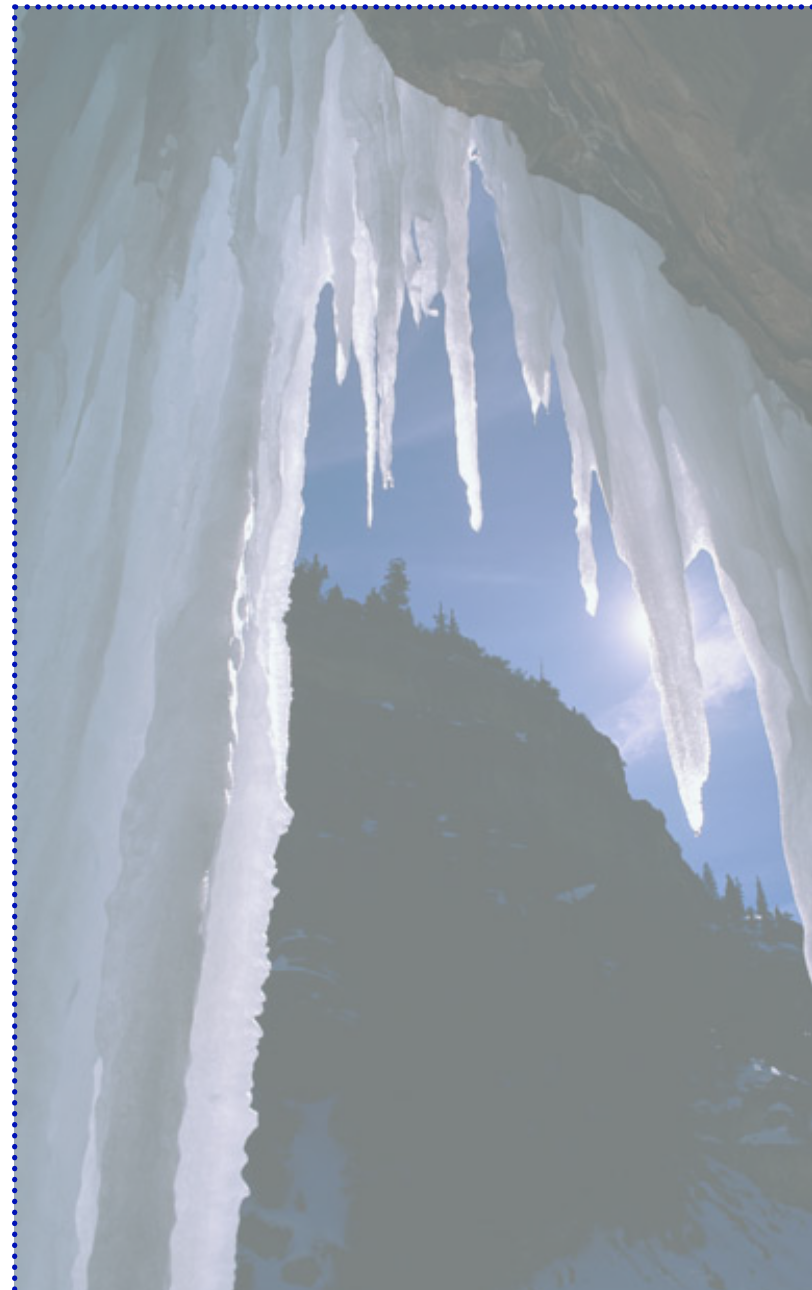
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David F. Work, Victor, ID

## Executive Director

**Jan F. van Sant**  
American Geological Institute Foundation



## Marcus Milling Legendary Geoscientist Medal

Dr. W. G. Ernst was presented with the 2008 Marcus Milling Legendary Geoscientist Medal. Established in 1999 as the Legendary Geoscientist Award, the medal is presented to a geoscientist who has demonstrated a long history of scientific achievement and exceptional service to the geoscience profession. The award was renamed in honor of former AGI Director, Dr. Marcus Milling in 2006.

Ernst received his B.A. (1953) in geology from Carlton College and his M.S. (1955) from the University of Minnesota. He then went on to earn his Ph.D. (1959) in geochemistry from Johns Hopkins University. He is the Benjamin M. Page Professor Emeritus at Stanford University School of Earth Sciences. He began his career as Assistant Professor of Geology and Geophysics from UCLA and later served as Chair of both the department of Geology and the Department of Earth and Space Sciences. He was also the Director of the Institute of Geophysics and Planetary Physics at UCLA before becoming a Professor of geology and geophysics at Stanford University. Once at Stanford he served as Dean of the school of Earth Sciences and was a professor of Geological and Environmental Sciences before Professor Emeritus in 2004.

He has held many leadership roles including serving as President of the Geological Society of America (1985-1986), President of the Mineralogical Society of America (1980-1981), Secretary Class I, of the National Academy of Sciences (2000-2003), and Fellow of the American Academy of Arts and Sciences (1976). He also serves as editor of the *International Geology Review*, a Trustee of the Carnegie Institution of Washington, and is a member of the White Mountain Research Station Advisory Committee to U.C. President.

Dr. Ernst has previously received the Roebing Medal from the Mineralogical Society of America (2006), the Penrose Medal of the Geological Society of America (2004) and the Geological Society of Japan Medal (1998).

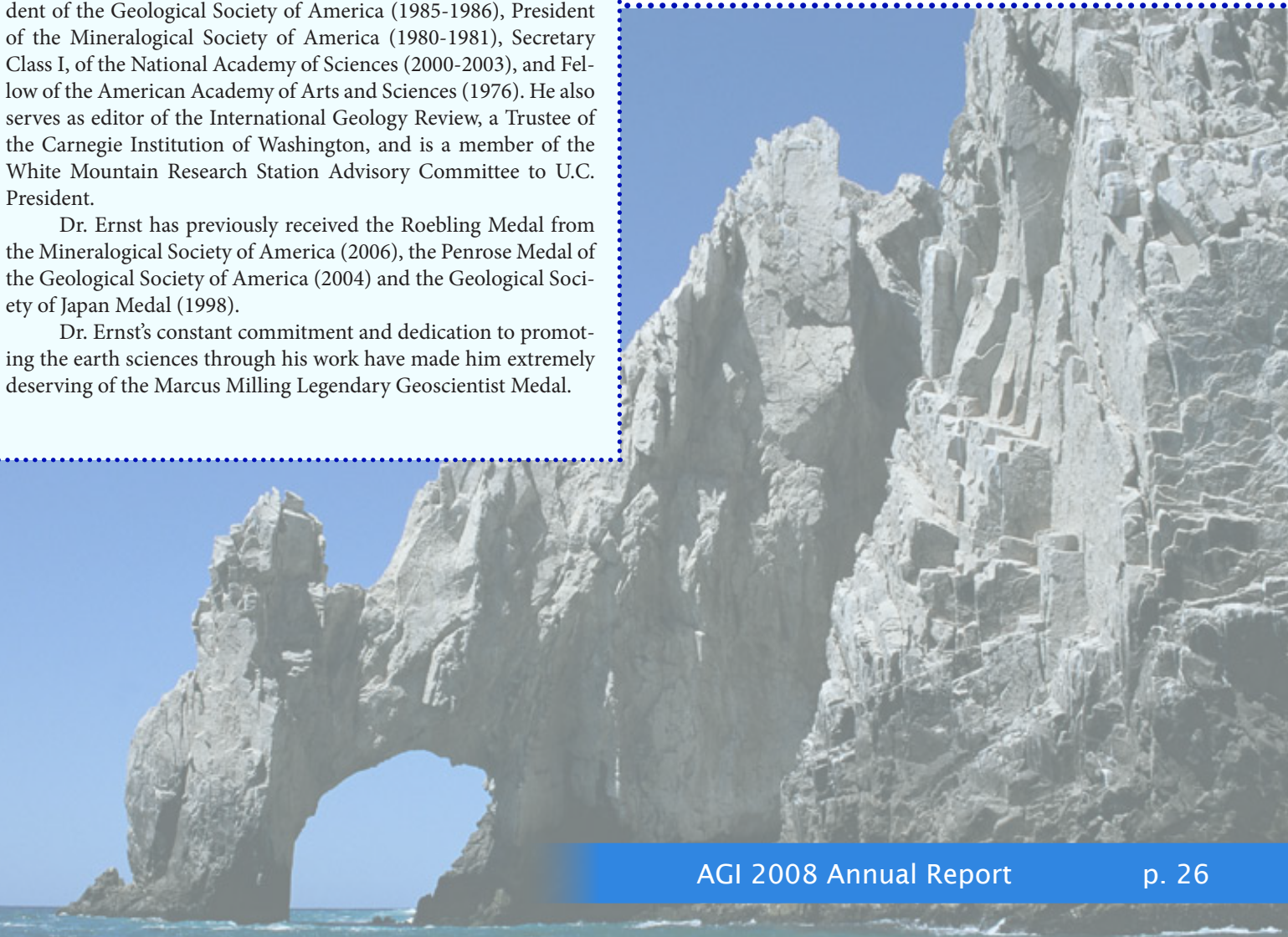
Dr. Ernst's constant commitment and dedication to promoting the earth sciences through his work have made him extremely deserving of the Marcus Milling Legendary Geoscientist Medal.

## Edward C. Roy, Jr. Award for Excellence in K-8 Earth Science Teaching

Michelle Brand Buchanan was named the first recipient of the Edward C. Roy, Jr. Award for Excellence in K-8 Earth Science Teaching. Ms. Buchanan received her B.S. from the University of North Texas and is a National Board Certified teacher of 7th grade life and environmental science and 8th grade earth, space and environmental science at Pineville Junior High in Pineville, Louisiana.

She is involved in several organizations that promote science education including the Louisiana Science Teachers Association, the National Science Teachers Association, and is active in the Antarctic Geologic Drilling Program.

In addition to the Edward C. Roy, Jr. Award, she has received several other accolades, including the 2007 National Association of Geoscience Teachers Outstanding Earth Science Teacher of the Year Award for Louisianan, the U.S. Department of Education's Star Teaching Award, and the 2005 Sam's Club Regional Teacher of the Year Award.



# Scholarships

For the past 36 years, the American Geological Institute has administered the Minority Participation Program (MPP). The broad goal for this program is to maintain and increase incrementally the number of underrepresented ethnic-minority students in the geosciences. Since employment opportunities in the geosciences increase significantly for those who hold graduate degrees, the program targets the increased matriculation of minority students in advanced-degree programs. Recipients of the AGI Minority Geoscience Scholarship receive small scholarships (\$250 to \$1,500), plus an allowance for professional development activities (such as field camp, professional society memberships, or meeting travel) and the opportunity to interact with a mentor from our AGI MPP Advisory Committee. For the 2008-2009 academic year, AGI distributed Minority Geoscience Scholarships to 13 undergraduates and 11 graduate students.

.....

The 2008-2009 AGI Minority Participation Program was sponsored by the generous financial support from individual donors and the following professional organizations and corporations:

American Chemical Society's Petroleum Research Fund

ExxonMobil

Seismological Society of America

Guleed Ali, University of Arizona

Emerlene Aragon, New Mexico State University

Claire Bailey, San Fransico State University

Antony Berthelote, University of Montana-Missoula

Raul Brens, Jr., Boston University

Miriam Galenas, University Missouri Colombia

Chaquetta Greene, Clemson University

John-Luke Henriquez, SUNY Cortland

Anibal Herrera, Miami Dade College

Gabriela Keeton, Baylor University

Michael Martinez-Colon, University of South Florida-Tampa Campus

Marietta Mayo, University of South Florida

Dominike Merle, Northwestern University

Cheyenne Morgan, Northern Illinois University

Lucas Moxey, University of Hawaii - Manoa

Shandin Pete, University of Montana

Alonzo Poach, Cal State San Bernardino

Jolene Robin-McCaskill, Stanford University

Miguel Rodriguez, Colgate University

Joseph Salazar, Cal State San Bernardino

Sterling Scott, UNC - Wilimington

Celina Suarez, University of Kansas

Marina Suarez, University of Kansas

Christina Velasquez, Cal State San Bernardino

Carrington Wright, Univ. of Tennessee at Martin

# AGI Member Societies

AASP-The Palynological Society (AASP)  
American Association of Petroleum Geologists (AAPG)  
American Geophysical Union (AGU)  
American Institute of Hydrology (AIH)  
American Institute of Professional Geologists (AIPG)  
American Rock Mechanics Association (ARMA)  
American Society of Limnology and Oceanography (ASLO)  
Association for Women Geoscientists (AWG)  
Association of American State Geologists (AASG)  
Association of Earth Science Editors (AESE)  
Association of Environmental & Engineering Geologists (AEG)  
Clay Minerals Society (CMS)  
Council on Undergraduate Research, Geosciences Division (CUR)  
Environmental and Engineering Geophysical Society (EEGS)  
Friends of Mineralogy (FOM)  
Geo-Institute of the American Society of Civil Engineers (GI)  
Geological Society of America (GSA)  
The Geological Society of London (GSL)  
Geoscience Information Society (GSIS)  
History of Earth Sciences Society (HESS)  
International Association of Hydrogeologists/U.S. National Chapter (IAH)  
International Basement Tectonics Association (IBTA)  
Mineralogical Society of America (MSA)  
National Association of Black Geologists and Geophysicists (NABGG)  
National Association of Geoscience Teachers (NAGT)  
National Association of State Boards of Geology (ASBOG)  
National Earth Science Teachers Association (NESTA)  
National Ground Water Association (NGWA)  
National Speleological Society (NSS)  
North American Commission of Stratigraphic Nomenclature (NACSN)  
Paleobotanical Section of the Botanical Society of America (PSBSA)  
Paleontological Research Institution (PRI)  
Paleontological Society (PS)  
Petroleum History Institute (PHI)  
Seismological Society of America (SSA)  
SEPM (Society for Sedimentary Geology) (SEPM)  
Society for Mining, Metallurgy, and Exploration, Inc. (SME)  
The Society for Organic Petrology (TSOP)  
Society of Economic Geologists (SEG)  
Society of Exploration Geophysicists (SEG)  
Society of Independent Professional Earth Scientists (SIPES)  
Society of Mineral Museum Professionals (SMMP)  
Society of Vertebrate Paleontology (SVP)  
Soil Science Society of America (SSSA)  
United States Permafrost Association (USPA)

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