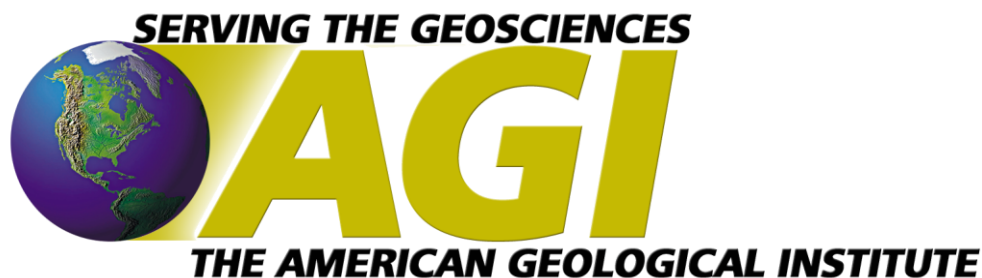


2007

*American Geological  
Institute*



**ANNUAL REPORT**

## **AGI Executive Committee**

### **President**

Gail M. Ashley  
*Rutgers University*

### **President Elect**

Peter J. McCabe  
*CSIRO Petroleum*

### **Secretary**

Mary M. Poulton  
*University of Arizona*

### **Treasurer**

James C. Cobb  
*Kentucky Geological Survey*

### **Member at Large**

Lucy E. Edwards  
*U.S. Geological Survey*

### **Member at Large**

G. Warfield Hobbs IV  
*Ammonite Resources*

### **Member at Large**

Richard M. Powers  
*BCI Engineers & Scientists, Inc.*

### **Past President**

Ernest A. Mancini  
*University of Alabama*

### **Foundation Chair**

Roger P. Pinkerton  
*Marathon Oil Company*

### **AGI Executive Director**

P. Patrick Leahy  
*American Geological Institute*

## **AGI Member Society Council**

### **Chair and AGI President**

Gail M. Ashley  
*Rutgers University*

### **Past Presidents**

Ernest A. Mancini  
*University of Alabama*

Stephen M. Testa

*California State Mining and Geology Board*

## **Member Society Representatives**

### **American Association of Petroleum Geologists**

Daniel L. Smith  
*Sandalwood Oil & Gas L.P.*

### **American Association of Stratigraphic Palynologists**

Fredrick J. Rich  
*Georgia Southern University*

### **American Geophysical Union**

A. F. Spilhaus Jr.  
*American Geophysical Union*

### **American Institute of Hydrology**

Neven Kresic  
*Malcolm Pirnie, Inc.*

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

William J. Siok  
*American Institute of Professional Geologists*

### **American Rock Mechanics Association**

Peter H. Smeallie  
*American Rock Mechanics Association*

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

Adrienne Froelich Sponberg  
*American Society of Limnology and Oceanography*

### **Association for Women Geoscientists**

Nadine Langley  
*Cedar Ridge, California*

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

Chacko J. John  
*Louisiana Geological Survey*

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

John R. Keith  
*U.S. Geological Survey*

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

Terry R. West  
*Purdue University*

### **The Clay Minerals Society**

Blair F. Jones  
*U.S. Geological Survey*

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

**Division**  
Jeffrey Ryan  
*University of South Florida*

### **Environmental and Engineering Geophysical Society**

Norm Carlson  
*Zonge Engineering and Research*

### **Friends of Mineralogy**

Nelson R. Shaffer  
*Indiana Geological Survey*

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

Roman D. Hryciw  
*University of Michigan*

### **Geological Society of America**

John M. Sharp Jr.  
*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**

Stephen M. Testa  
*California State Mining and Geology Board*

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

#### **National Chapter**

John M. Sharp Jr.  
*University of Texas*

### **International Basement Tectonics Association**

John H. McBride  
*Brigham Young University*

### **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**

William G. Dixon Jr.  
*Naperville, Illinois*

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

Roberta Marie Johnson  
*University Corporation for Atmospheric Research*

### **National Speleological Society**

Harvey R. DuChene  
*Centennial, Colorado*

### **North American Commission on Stratigraphic Nomenclature**

Anthony P. Hamblin  
*Geological Survey of Canada*

### **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**

Wayne D. Pennington  
*Michigan Technological University*

### **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)**

Ian Young  
*EnCana Corporation*

### **Joint Oceanographic Institutions (JOI)**

Steven Bohlen  
*Joint Oceanographic Institutions*

### **Northeastern Science Foundation (NESF)**

Gerald M. Friedman  
*Northeastern Science Foundation*

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

Barbara Wainman  
*U.S. Geological Survey*

## Contents

4	The Institute
5	Awards
6	Leadership
7	GeoRef Information Systems
9	Technology and Communications
10	Education and Outreach
13	Geoscience Workforce
15	Government Affairs
17	Publications
18	Environmental Affairs
20	AGI Roll
23	Associates
24	Contributors
26	Financial Summary
30	AGI Foundation
33	Marcus Milling Legendary Geoscientist Award
34	Scholarships
35	AGI Member Societies
35	AGI Administrative Staff

### **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

---

## 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 understanding of the vital role that the geosciences play in society's use of resources 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; and the monthly newsmagazine, *Geotimes*, 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.

## 2007 HIGHLIGHTS AND MILESTONES

### Awards

AGI recognized the professional and scientific contributions of Arthur A. Socolow, Thomas D. Barrow, and Simon Winchester.

### GeoRef Continues Strong Performance

GeoRef, the world's most comprehensive geoscience database, added 128,000 citations in 2007, bringing it to a total to 2.9 million.

### TV Series

*Faces of Earth* premiered in July 2007 on The Science Channel.

### Advancing Earth Science Education

The Education department published the first of four posters on geologic features of America's National Parks as part of a cooperative agreement with the National Park Service.

### Earth Science Week

In October, thousands of students nationwide participated in activities based on the theme "The Pulse of Earth Science."

### Congressional Science Fellowship

In September, Bryan Mignone began his term as AGI's 2007-2008 Congressional Fellow.

### Expanding *Geotimes* Reach

The *Geotimes* website averaged more than 15,000 unique visitors each month.

### New Services

In 2007, AGI began offering a subscription-based online version of the *Glossary of Geology*.

### Financial Stability Continues

The Institute had a positive bottom line for the 15<sup>th</sup> consecutive year. During AGI's financial turnaround in the 1990s, net assets increased from a negative \$230,000 in 1989 to a positive \$9.4 million in 2007.

---

## 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.*

**Arthur A. Socolow** received the 2007 Ian Campbell Medal on October 27, 2007 at the GSA Presidential Address Ceremony in Denver, Colorado. He was the 26<sup>th</sup> recipient of this prestigious annual award.

In 1957, Socolow joined the Pennsylvania Geological Survey where he worked as Director and State Geologist until 1986. After stepping down as Director, he began working as a consulting geologist, focusing on projects addressing environmental geology, engineering geology, mineral resources evaluation and ground water development.

He has served on numerous advisory committees including for the U.S. Department of the Interior, U.S. Department of Energy, National Research Council, and the Interstate Oil Compact Commission. In addition, Socolow has been President of the Association of American State Geologists, the Geologic Section of the American Association for the Advancement of Science, and the Association of Stratigraphic Nomenclature.

### **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 20<sup>th</sup> 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.*

**Thomas D. Barrow** received the 2007 William B. Heroy Jr. Award for Distinguished Service to AGI.

Barrow received both a B.S. in petroleum engineering and a M.A. in geology from the University of Texas and a Ph.D. in geology from Stanford. In 1951, he started his career with Humble Oil where he later became President and director. Dr. Barrow served as Senior Vice President & Director of Exxon Corporation and also served as Chairman and CEO of Kennecott Corporation, and Vice Chairman of Standard Oil Company (Ohio). He has served in management positions for several organizations and is currently President of Thomson-Barrow Corporation. He is a member of the National Academy of Engineering.

### **Outstanding Contribution to Public Understanding of the 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.*

In 2007, **Simon Winchester** was awarded the Outstanding Contribution of Public Understanding of the Geosciences Award. Winchester studied geology at Oxford and then worked as a geologist in the Ruwenzori Mountains and on oil rigs in the North Sea. He then went on to a successful career writing as a Foreign Correspondent for *The Guardian*. He has also written for *Smithsonian Magazine*, *The New York Times* and *National Geographic*. Winchester has authored several books on geologically important subjects and people including; *The Map that Changed the World*, *Krakatoa: The Day the World Exploded*, and *A Crack in the Edge of the World*.

In addition to this award, Winchester has received Britain's Journalist of the Year distinction, and was made Officer of the Order of the British Empire by Her Majesty The Queen in 2006.

---

## Leadership

2007 was a year of collaboration and progress at AGI. The individual departments at the Institute worked as one and with the Member Societies toward common goals. AGI saw the completion of its largest project to date, revitalized a program that is key to AGI's mission and built on the momentum of previous years to continue on the path to success, all in concert with its Member Societies and their individual members that make up the geoscience community.

The value of an organization does not lie in its brick and mortar; it is in the commitment with the individuals associated with the endeavor. Because of the individuals dedicated to the Institute's mission, AGI was able to complete its largest project to date.

*Faces of Earth*, the four-part TV series AGI produced for Discovery Communications' The Science Channel, premiered in July 2007. This series is an example of true collaboration. The Technology and Education departments took the lead in driving this project to the finish line. But without the support of numerous Member Societies and other organizations the end result would not have been the quality program the community needed and saw produced. With the donations of money, time, interviews, and data from the societies, academia, industry, and government agencies, AGI was able to produce a series that explored all areas of the earth system. The public was able to see an accurate earth science program that explained the complexities and wonder of the geosciences.

Now with *Faces of Earth* completed, we turn our attention to using the various interviews, footage, and animations for other applications. We are furthering

the series' reach by creating educational resources, videos for our websites, and more.

A major aspect of AGI's mission is to serve its Member Societies. For decades, AGI's collection of data pertaining to the health of the geosciences has been a cornerstone service that AGI provided. In the past year, the Human Resources department which historically collected that data has been transformed into the Workforce program. With this change, not only will AGI continue to supply the geoscience community with enrollment and employment information, we are now taking an active role in helping universities recruit a future generation of geoscientists and expand the types of data we collect.

*Geoscience Currents* is one way in which AGI is expanding the dissemination of the information it collects on the health of the field. From scholarships to employment opportunities, the effect of retirements, to university enrollment trends, *Geoscience Currents* provides up-to-the-minute glimpses into all areas of the geoscience fields, from academia, government, and industry to educational opportunities and university demographics. By keeping our Member Societies and the entire community up-to-date on the issues facing the geosciences, we are assuring that steps will be made to educate and employ quality earth scientists in the future.

With the success of the television series and the high demand for information the Workforce program, AGI has situated itself to continue to improve its level of service to the geoscience community. We will continue to collaborate in expanding the geoscience community's influence in the general public, in policy making decisions, and internationally.



Dr. P. Patrick Leahy, Ph.D.  
*AGI Executive Director*

---

# GeoRef Information System

GeoRef set a new record in 2007, increasing the number of references processed by almost 30% to over 128,000. With 1200 geoscience organizations subscribing to its online and CD-ROM services GeoRef remains the unrivalled leader of bibliographic information in the geosciences. The database project began in 1967, and the primary database now contains over 2.9 million bibliographic references with subject and geographic indexing. During 2007, references were added each week for serials, books, reports, conferences, maps and theses. Over 40 percent of all new references contain abstracts. More than 60 percent of the publications cited in GeoRef in 2007 were published outside the United States; these citations include references from 91 countries in 42 different languages. A staff of 33 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.

The GeoRef CD is on a seven-disc set published for AGI by Ovid (SilverPlatter) Information, a division of Wolters-Kluwer. The CD is updated monthly.

An organization can subscribe on an annual basis for unlimited access to GeoRef on the web, from Ebsco, Cambridge Scientific Abstracts, 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-ROM 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-six of the leading geoscience journals.

For access through a 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 can 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.

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; Eleventh edition revision is scheduled for completion 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 provides copies of hard-to-find maps, theses and foreign publications to researchers and students; located almost 1500 publications for users in 2007
- 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 (70K+ references); available through GeoRef vendors as a supplement; updated quarterly.

### AusGeoRef Enhancements

AusGeoRef, a cooperative project with Geoscience Australia, was enhanced during 2007 by the addition of bibliographic records from AESIS, Australia's Geoscience, Minerals and Petroleum Database. More than 30,000 references were added during 2007 and projections for an additional increment of about 50,000 references in early 2008. AusGeoRef is available via subscription on the AGI web site.

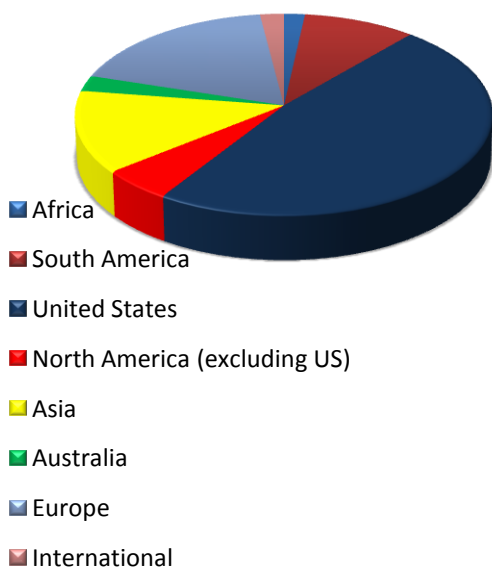
### Other Products and Services in 2007

- Cold Regions Bibliography Project – continuing grant from NSF and the U.S. Army Corps of Engineers
  - Antarctic Bibliography – more than 83,000 references; updated weekly; free on AGI website
  - Bibliography on Cold Regions Science and Technology – more than 220,000 references; updated weekly; free on AGI web site
  - IPY Publications Database – collaborative project with the Arctic Institute of North America and the

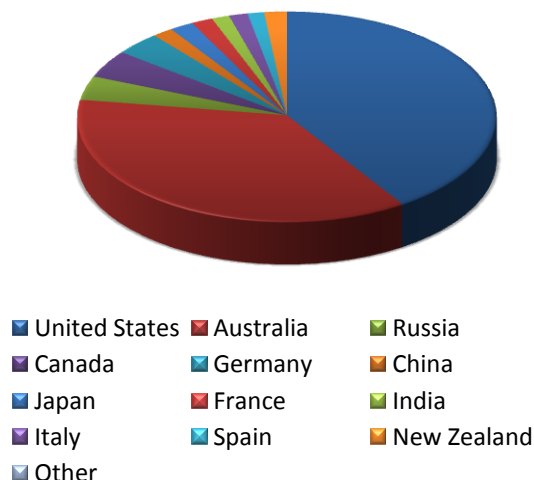
Scott Polar Research Institute; launched in 2006 and updated quarterly in 2007

- Groundwater and Soil Contamination database — covers the soil and groundwater pollution fields; includes more than 116,000 references; available by subscription on the AGI web site; updated weekly; used in more than 80 libraries
- Bibliography and Index of Micropaleontology — cooperative project with Micropress; updated annually
- Ocean Drilling Program Publications Database — 23,000 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 2007; includes almost 1000 images of rocks, minerals and landforms from the Image Bank and 28,000 Spanish term translations

**GeoRef Subscribers by Continent**



**GeoRef Coverage by Country**





---

# 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 facets. 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 require tapping 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 2007, AGI had digitized over 20,000 images and cataloged nearly 7000. Over 21 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 premiere on The Science Channel on July 23, 2007. The series aired frequently through the middle of August. Ratings for the show indicate that around 600,000 viewers watched each premiere episode, and in a

sign of production strength, rating increased during the airing of each individual show.

Feedback on the shows has been very positive and complimentary of the strength of the science, quality of the production, and the light in which the geosciences are portrayed. Given the strong ratings and positive feedback, the show met the targets set out when it was originally conceived. The DVD set of the show became available in mid-October 2007.

One of the episodes of *Faces of Earth – Building the Planet* – was nominated for the award of Best Earth Science Program at the Jackson Hole Wildlife Film Festival. In addition, *Faces of Earth* was nominated for a Cinema Audio Sound Award, placing after “CSI” and “Great Performances at The Met” in two separate categories.

## 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 in the second half of 2006 with media inquiries by 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 2008.

## GeoSpectrum

During 2007, GeoSpectrum, AGI's e-newsletter, evolved from a quarterly PDF to a continually updated digital format. Using 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

## Education

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

Royalties from *EarthComm* and *Investigating Earth Systems* sales reached record levels in 2007. A special California Edition of *Investigating Earth Systems* was adopted state-wide in California. It's About Time/Herff Jones and AGI agreed on terms to publish the NSF-supported *Constructing an Understanding of Earth Systems* (CUES) middle school curriculum. AGI delivered the complete text of *High School Environmental Science* (an NSF-supported program) to its publisher, Delmar Learning, as well as the video teaser for the project. *High School Environmental Science* is scheduled for publication in 2009 and will be accompanied by a 100-minute DVD, *Visions of Earth*. AGI has produced a video version of *Why Earth Science?* for schools and the general public, as well as a short video, *Earth Science and You*, for elementary students.

## Teacher Enhancement

AGI staff and consultants conducted 10 workshops for grades 3 - 8 teachers in Chicago, IL, Jacksonville, FL, Salisbury, MD, Glassboro, NJ, Arlington, VA and Denver, CO in 2007. AGI also sponsored initial training workshops for *EarthComm* teachers in Allentown, PA and Orlando, FL. The *K-5 GeoSource* professional development website for teachers has been completely populated (although it will continue to be revised and augmented). As part of the *K-5 GeoSource* effort, AGI's first online graduate level courses for teachers were launched through a partnership with the Science and Mathematics Education Department of the Illinois Institute of Technology. A third course on rocks and landforms will be offered in Spring 2008 along

with the existing Fossils and Climate and Weather courses.

Thirty-five lead middle school earth science teachers attended a week-long training workshop sponsored by BP Exploration in Houston, TX, July 22 – 27, 2007. The 2008 training is scheduled for the week of July 22 – 27 in Houston. At the end of 2007, AGI received a grant from ExxonMobil to conduct a week-long leadership training for K-5 teachers in Houston during the last week in June 2008.

AGI 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 Meeting in Detroit, MI on October 19 and Denver on Nov. 9, 2007. A joint summer workshop is planned for early July at Duquesne University.

## 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 are collaborating to offer the Edward R. Roy, Jr. Award for Excellence in K-8 teaching. This award will be given for the first time at the annual AAPG meeting in San Antonio.

AGI continued working as a subcontractor to SRI, Inc., on 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. In this third year of the study, AGI and TERC staff conducted follow-up training in June for middle school teachers in Jacksonville, FL.

AGI is collaborating with AAPG's Youth Education Activities committee to produce a guide for geoscientists visiting the classroom. This guide, which will include the *Why Earth Science?* video, is scheduled to be launched at the AAPG annual meeting in April.

### **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, the *Faces of Earth* television series, National Parks Programs and the Michael Collier exhibit, *Stones from the Sky*.

### **Earth Science Week**

The 10th annual Earth Science Week was held October 14-20, 2007, celebrating the theme "The Pulse of Earth Science." This theme focused on promoting public awareness of the status of Earth science in education and society. Students, teachers, and other Earth science enthusiasts in all 50 states and several countries took part. An estimated five million people worldwide learned about Earth Science Week through promotions, education, and media coverage. The celebration was covered by dozens of newspapers, television stations, websites, and other media outlets, from the Los Angeles Times to NBC. Major partners for the program included USGS, NASA, the AAPG Foundation, NOAA, and the National Park Service. These partners provided funding, kit materials, event support, and publicity for Earth Science Week.

Earth Science Week workshops were held throughout the week at Baltimore's Maryland Science Center, where visitors first viewed "Why Earth Science," a new educational video created by AGI as an introduction to the geosciences. AGI also partnered with the Association of Science-Technology Centers, NASA, NOAA, and related organizations to promote a live, interactive video-conference for students around the world focusing on International Polar Year. Moreover, AGI highlighted three additional "international science years" launched in 2007: International Year of

Planet Earth, International Heliophysical Year, and International Electronic Geophysical Year.

AGI distributed over 15,000 Earth Science Week kits to teachers and geoscientists by the time of the October celebration, more than had ever been distributed by that point in the year. Two-thirds of the state geological surveys requested complimentary shipments of kits for distribution, and the number of AGI member societies doing so increased to 15 from a dozen the previous year.

During Earth Science Week 2007, AGI also launched the Pulse of Earth Science website, offering up-to-date information on the status of geoscience education, as well as guidance for advocates. The site makes a significant addition to the Earth Science Week website, which was viewed by more than 52,000 people in 2007. AGI also initiated year-round distribution of the monthly ESW Update electronic newsletter, beginning in April 2007. The newsletter gained readers last year, reaching more than 2,500 subscribers, up significantly from 1,900 in 2006.

### **Faces of Earth Television Project**

*Faces of Earth*, AGI's four-part television series on the interconnectedness of the Earth's systems, was broadcast repeatedly on The Science Channel in late July/August 2007. The program received good ratings and was shown again in the fall of 2007. Educational ancillary materials, derived from the *Faces of Earth* archive, are in development. The first of these, *Why Earth Science?* is available now. A 100-minute DVD for high school, *Visions of Earth*, will be ready by late Spring 2008. AGI owns this archive, consisting of over 160 hours of footage and an extensive collection of state-of-the-art animations.

### **National Parks Projects**

In addition to its ongoing participation in Earth Science Week, in 2007 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 first poster, *Volcanoes*

in the National Parks, was finished and inserted in the 2007 Earth Science Week kits. It is also being distributed to the National Parks. A second poster, Caves in the National Parks, is scheduled for release in early 2008.

### ***Stones from the Sky Photography Exhibit***

AGI co-sponsored the first *Stones from the Sky* exhibit (June 7 – Sept. 14, 2007) of 45 of Dr. Michael's Collier's aerial photographs through a partnership with the American Association for the Advancement of Science. The show then went to the USGS in Reston, VA for the month of January 2008 and is scheduled to be exhibited at the National Science Foundation from March 1 through June 30, 2008. A subset of this exhibit was shown at the Geological Society of America conference in Denver in October.

### **Journey 3-D Project**

AGI is working with Walden Media to produce educational materials and mall events in conjunction with the release of their new film this summer, *Journey 3-D*. This is a re-make of Jules Verne's *Journey to the Center of the Earth* shot in 3-D.

# Geoscience Workforce

AGI continues to maintain its popular Geoscience workforce web site, [www.agiweb.org/workforce/](http://www.agiweb.org/workforce/). The web site includes profiles of and career essays by prominent geoscientists, statistics and reports on enrollments and employment, frequently asked questions, employment listings, and links to other career websites.

In early 2007, AGI published the 45<sup>th</sup> edition of the *Directory of Geoscience Departments*. AGI also continued to publish the *Guide to Geoscience Departments* on the AGI web site, <http://guide.agiweb.org>.

## Enrollments and Degrees Granted

AGI's Geoscience Workforce program documents the supply of and demand for geoscientists by maintaining current and historical data on student enrollments and degrees granted. Because geoscience student populations do not reflect the diverse composition of the general population — particularly regarding ethnic minorities and foreign students — our surveys include monitoring the student participation rates of these groups.

From a high of 47,000 in 1983, geoscience undergraduate enrollments in the United States have declined by 53 percent to 22,000 in 2003. For the same period, the number of geoscience degrees granted dropped from 7300 in 1983 to 3500 in 2005. Yet female participation rates have continued to increase, with the geosciences seeing just short of half of its enrolled students at all levels being female.

## Earth and Space Science PhDs

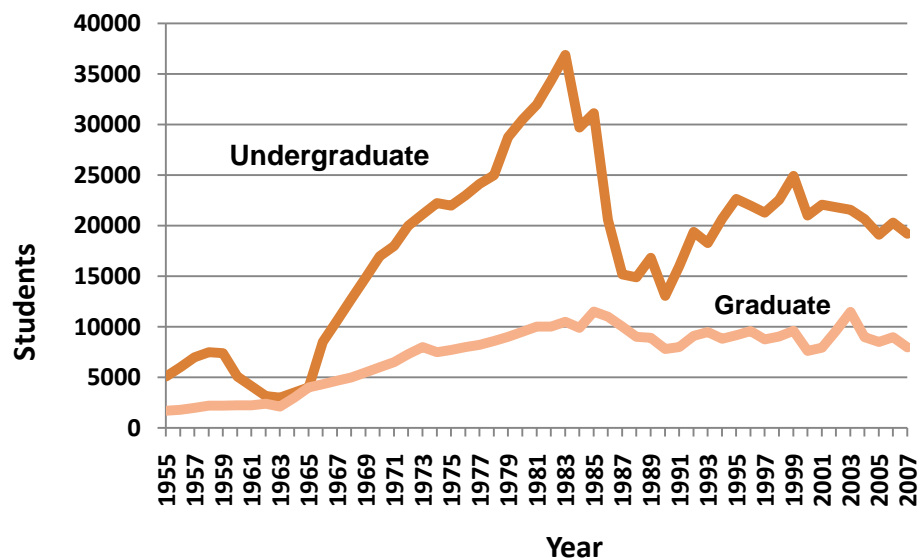
The American Geological Institute and the American Geophysical Union (AGU) have been actively collecting data on the employment patterns of recent PhDs in the earth and space sciences. Over the past nine years, AGI and AGU have surveyed recent PhD recipients (within six months of receipt of degree) to examine their experiences in obtaining their first jobs. The survey topics include time to obtain employment, age, racial/ethnic background, gender, employment setting, occupational activities and starting salaries. Attitudinal data concerning perceptions of the job market, barriers to finding satisfying employment, and their most effective job-search methods are also collected.

## Field Camp

In 2006, the American Geological Institute (AGI) performed a census of geoscience departments in the United States to identify schools that have offered geoscience field camps in the past two years. According to this search, 103 schools offer summer field camps in 2006, which is less than 15% of the 695 departments listed in the *Directory of Geoscience Departments* that year.

The total numbers of departments offering a

US Geoscience Enrollments, 1955-2007



traditional summer field course has decreased 60% since 1985. In 1985 and 1995 close to 35% of schools offered summer field courses for geoscience students, with field courses offered at 259 schools in 1985 and 257 schools in 1995.

### **Geoscience Currents**

In November, 2007, AGI began publishing one-page snapshots of geoscience workforce data, covering hot topics like geoscience salary information, student scholarships available, and enrollment data for academic geoscience departments. These snapshots, called *Geoscience Currents*, are distributed to the academic and professional geoscience community through an email list and on the AGI Workforce website, and will be published on a near-weekly basis.

### **AGI on Social Networking Sites**

In 2007, AGI started a social networking group for the geosciences on the popular site Facebook. This group brings together geoscientists, geoscience students and curious students looking for a major to career and educational information about the geosciences.

---

## 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 other organizations in the United States and abroad. The staff also provides policy information to the geoscience community by more traditional means through articles in *Geotimes* and member society

publications, and presentations at universities and member society meetings.

### Public Policy Impact

During 2007, GAP worked to enhance the use of and support for science in public policy in a number of areas. GAP advocated for increased and steady appropriations for the Department of Energy, National Science Foundation, and U.S. Geological Survey (USGS) through written testimony, letters, phone calls and visits with policymakers and grassroots efforts. GAP helped AGI's leadership and members of AGI's Member Societies inform policymakers about the value of geoscience and the need for greater federal support of research and education.

GAP continues to work with AGI's Member Societies and other professional societies on a range of issues affecting the geosciences and more broadly engineering and science. GAP is an active member of many large coalitions, including the USGS Coalition, the Coalition for National Science Funding, the Science, Technology, Engineering, and Math Education Coalition (STEM-ED), the Energy Science Coalition, the Hazards Caucus Alliance and the National Earthquake Hazards Reduction Program Coalition.

### Internship Program

AGI's 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: Paul Schramm (University of Notre Dame); David McCormick (Marietta College in Ohio); and Sargon de Jesus (Brown University). The American Association of Petroleum Geologists (AAPG) provided support for Erin Gleeson (University of Arizona) 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 January/February 2008 issue of

*The Professional Geologist.* Former interns currently work for Earth Scope, IRIS, the White House Office of Science and Technology Policy, the House and congressional support agencies, while others have pursued careers in science and policy.

### **Congressional Awareness**

In March, more than 50 geoscientists and geo-engineers participated in the eleventh annual Science-Engineering-Technology Congressional Visits Day, which promotes federal investment in research and the importance of partnerships between federal and state government, academia, and industry. Participants were briefed by congressional and administration leaders before visiting with their representatives and senators.

In June, AGI partnered 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.

In September, more than 20 geoscientists and geo-engineers visited their representatives and senators to discuss the value and importance of the National Science Foundation. Their efforts helped to ensure the vitality of federal science funding for basic research within a tight discretionary budget. Also in September, the USGS Coalition held a reception on Capitol Hill to inform policymakers about the value of the USGS.

Throughout the year, AGI and the Hazards Caucus Alliance organized briefings on geoscience issues of relevance for congressional members and their staff. AGI also maintained the alliance web site, including providing information about hazards legislation and resources about hazards and hazards policy. The objective of the Caucus is education and the sharing of information about natural hazards to help inform sound policy.

### **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 August, Allyson Anderson

completed her fellowship year on Capitol Hill, where she worked for the Senate Energy and Natural Resources Committee. She decided to stay on the Hill and is now a full time professional staff member on the committee. In September, Bryan Mignone began his term as AGI's 2007-2008 fellow. Bryan was a MacArthur Science and Technology Fellow at the Brookings Institution, where he launched and maintained an active, interdisciplinary research program at the intersection of climate, energy and technology policy. Bryan was awarded a Ph.D. in geosciences from Princeton University, a graduate certificate in science, technology and environmental policy from the Woodrow Wilson School of Public and International Affairs and an A.B. in physics and philosophy from Cornell University.



---

## Publications

### *Geotimes*

The monthly magazine *Geotimes* is one of the most important services AGI provides for the geoscience community. The magazine's dynamic appearance and content have been instrumental in securing advertising. Annual advertising revenues for *Geotimes* have doubled since 1999.

In 2005 the magazine reached its initial goal for newsstand circulation – meeting industry standard sell-through rates. This goal was reached during the second half of 2004, and coincided with increased distribution of the magazine on the newsstands, being sold in Barnes and Noble, Borders, and other bookstores across the United States and Canada. Newsstand distribution began with the December 2001 issue as part of a larger, ongoing mission to expand and diversify the community reading *Geotimes*. Currently *Geotimes* newsstand sales are exceeding industry standards.

To continue reaching earth enthusiasts beyond the geoscience community, AGI has also been sending complimentary copies on a per issue basis to groups who are not members of AGI member societies. This promotion, as well as expansion of targeting segments of the general public will be pursued through 2008, as the magazine focuses on expanding its reach.

The newsstand sales of *Geotimes* have become a key metric for testing reader needs and reactions to the magazine. In addition, monthly online polls and continued focus on current events have sparked broadening exposure of *Geotimes*. The magazine's coverage also continues to evolve, pushing into political and current event topics, including coverage of the climate change debate in Congress and the world of celebrity, and the rising price of energy – all topics that were well-received

both by subscribers and through newsstand sales. Another valuable tool in measuring response to *Geotimes* is its Web site, which continues to average more than 15,000 unique visitors every month. Visits to the site are fueled by both the classified ads, and more importantly, the weekly news stories unique to the site, prepared by staff and contributing writers.

### Publications

In 2007, AGI had a second printing of its popular book the *Geoscience Handbook: AGI Data Sheets 4<sup>th</sup> Edition*. AGI also began offering its Glossary of Geology as an online subscription for individuals and institutions and organizations such as the U.S. Geological Survey, Chevron and ExxonMobil subscribed immediately. AGI's sales of the 2-DVD set *Faces of Earth* started very strongly in October 2007.

The *Global GIS* DVD-ROM continues to sell well with intense marketing and an aggressive site licensing program. The products, which provide comprehensive GIS data at a regional scale for the entire world, and in many cases, represents the first unified and integrated set of data for global coverage for such topics as geology and slope stability, has seen continued strong licensing. Site licensing of the materials have come from secondary schools, major university campuses, as well as consulting and media companies looking for geographic data resources for their own products.

AGI continues to expand its distribution and marketing efforts for publications. AGI continued its publications distribution agreements 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.

---

## 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 the late AGI past president Philip E. LaMoreaux (LaMoreaux and Associates). The activities of the Environmental Affairs Program are guided by the EGAC co-chaired by Phil LaMoreaux and Stephen H. Stow (Oak Ridge National Laboratory, Retired). Representatives of AGI's member societies serve on the EGAC along with liaison representatives from selected government agencies, academic institutions, and industry. The committee provides a forum for developing broad consensus concerning the role of geoscience in key environmental issues.

Through the EGAC, the AGI Environmental Affairs Program develops and guides projects that

1. Increase public awareness and understanding of environmental issues,
2. Communicate societal needs for managing resources, protection from earth hazards, and for evaluation of risks associated with human activities related to earth processes and resources,
3. Increase dissemination of information related to environmental programs, projects, research, and professional activities in the geoscience community,
4. Promote appropriate science in public policy through communication within and outside the geoscience, and
5. Identify opportunities for AGI, its Member Societies, and other contributors to participate in environmental.

### Environmental Awareness Series

The Environmental Affairs Program continued development of the successful Environmental Awareness Series. 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 illustrated publication in full color.

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."

Appropriate publishing partners are invited to sponsor and distribute 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 in this format, *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*.

*Living with Unstable Ground* has been drafted and technically reviewed. Publication of this next book in the series is expected in 2008.

Author teams are also working on several additional topics including *Earth's Changing Climate*, *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. An advisory board of earth science teachers and an expert panel of technical authorities oversee and guide the project.

Prentice Hall is the publisher. They support the project with a developmental editor, project manager, and a teacher review system. The entire book has been drafted and reviewed. Revisions in light of review, final drafts, are now being made.

### **Looking Ahead**

The principal challenges for the AGI Environmental Affairs Program in the coming year will be to maintain timely progress in development of the Environmental Awareness Series and the environmental geoscience textbook including publishing *Living with Unstable Ground* and completing all chapters in *Living with Earth*.

---

# AGI ROLL

## Education Advisory Committee

Barbara J. Tewksbury, Chair  
*Hamilton College*

Richard M. Busch  
*West Chester University*

Norbert E. Cygan  
*Castle Rock, Colorado*

Gary Lewis  
*Geological Society of America*

Peggy Lubchenco  
*Santa Barbara, California*

Ian D. MacGregor  
*National Association of Geoscience Teachers*

Parker Pennington IV  
*Ann Arbor, Michigan*

Elisabeth Price  
*Reno, Nevada*

Robert W. Ridky  
*U.S. Geological Survey*

Marilyn L. Smith  
*ExxonMobil Exploration Company*

William D. Underwood  
*Society of Exploration Geophysicists*

Missi Zender  
*Summit County Educational Service Center*

## Environmental Geoscience Advisory Committee

Philip E. LaMoreaux, Chair  
*LaMoreaux & Associates*

Stephen H. Stow, Co-Chair  
*Knoxville, Tennessee*

Scott F. Burns  
*Portland State University*  
*(Association of Environmental & Engineering Geologists)*

Rebecca L. Dodge  
*University of West Georgia*  
*(American Association of Petroleum Geologists)*

Harvey R. DuChene  
*Centennial, Colorado*  
*(National Speleological Society)*

Michael Fehler  
*Los Alamos National Laboratory*  
*(Seismological Society of America)*

Mimi R. Garstang  
*Missouri Geological Survey*  
*(Association of American State Geologists)*

Mary L. Gillam  
*Durango, Colorado*  
*(Association for Women Geoscientists)*

Neal C. Grasso  
*Gradient Corporation*  
*(Geological Society of America)*

Beth A. Gross  
*GeoSyntec Consultants*  
*(Geo-Institute of ASCE)*

Anthony P. Hamblin  
*Geological Survey of Canada*  
*(North American Commission on Stratigraphic Nomenclature)*

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

John P. Hogan  
*University of Missouri-Rolla*  
*(International Basement Tectonics Association)*

Julia A. Jackson  
*GeoWorks*  
*(Association of Earth Science Editors)*

Zelma Maine Jackson  
*Washington State Dept. of Ecology*  
*(National Association for Black Geologists and Geophysicists)*

Carl Katsu  
*Fairfield Area School District*  
*(National Earth Science Teachers Association)*

Paul R. La Pointe  
*Golder and Associates, Inc.*  
*(American Rock Mechanics Association)*

David Lindbo  
*North Carolina State University*  
*(Soil Science Society of America)*

John E. Moore  
*Denver, Colorado*  
*(International Association of Hydrogeologists/U.S. National Chapter)*

Frederick E. Nelson  
*University of Delaware*  
*(United States Permafrost Association)*

Geoffrey S. Plumlee  
*U.S. Geological Survey*  
*(Society of Economic Geologists)*

Robert M. Ross  
*(Paleontological Research Institution)*

Leslie F. Ruppert  
*U.S. Geological Survey*  
*(The Society for Organic Petrology)*

Nelson R. Shaffer  
*Indiana Geological Survey*  
*(Friends of Mineralogy)*

William J. Siok  
*(American Institute of Professional Geologists)*

Jill M. Whitman  
*Pacific Lutheran University*  
*(National Association of Geoscience Teachers)*

Scott L. Wing  
*Smithsonian Institution*  
*(Paleontological Society)*

Michael A. Wise  
*National Museum of Natural History*  
*(Society of Mineral Museum Professionals)*

### ***Liasion Representatives***

John R. Keith  
*U.S. Geological Survey*

Christopher C. Mathewson  
*Texas A&M University*

### **GeoRef Advisory Committee**

Dennis Trombatore, Chair  
*University of Texas at Austin*

Harvey A. Cohen  
*S. S. Papadopoulos & Associates*

Shaun J. Hardy  
*Carnegie Institution of Washington*

Lura Joseph  
*University of Illinois*

Suzanne T. Larsen  
*University of Colorado*

James O'Donnell  
*California Institute of Technology*

John C. Steinmetz  
*Indiana Geological Survey*

### **Geotimes Editorial Board**

Steve Burns  
*National Geographic Channel*

Charles G. Groat  
*Jackson School of Geosciences*

Thomas H. Yulsman  
*University of Colorado, Boulder*

### **Government Affairs Program Advisory Committee**

Mary Lou Zoback, Chair  
*RMS, Inc.*

Jared D. Abraham  
*U.S. Geological Survey*  
*(Environmental and Engineering Geophysical Society)*

Philip M. Astwood  
*University of South Carolina*  
*(National Association of Geoscience Teachers)*

William I. Ausich  
*The Ohio State University*  
*(Paleontological Society)*

Jerry Brown  
*Woods Hole, Massachusetts*  
*(United States Permafrost Association)*

David M. Diodato  
*U.S. Nuclear Waste Technical Review Board*  
*(Geological Society of America)*

Marie Dvorzak  
*University of Wisconsin-Madison*  
*(Geoscience Information Society)*

William L. Ellsworth  
*U.S. Geological Survey*  
*(Seismological Society of America)*

Susan C. Eriksson  
*Boulder, Colorado*  
*(Friends of Mineralogy)*

Thomas B. Ervin  
*Davenport North High School*  
*(National Earth Science Teachers Association)*

Robert A. Gastaldo  
*Colby College*  
*(Paleobotanical Section of the Botanical Society of America)*

Harold J. Gluskoter  
*McLean, Virginia*  
*(Society for Mining, Metallurgy, and Exploration)*

Marianne Guffanti  
*U.S. Geological Survey*  
*(American Geophysical Union)*

Leigh House  
*Falls Church, Virginia*  
*(Society of Exploration Geophysicists)*

Blair F. Jones  
*U.S. Geological Survey*  
*(The Clay Minerals Society)*

John R. Keith  
*U.S. Geological Survey*  
*(Association of Earth Science Editors)*

Leonard F. Konikow  
*U.S. Geological Survey*  
*(International Association of Hydrogeologists/U.S. National Chapter)*

David Lindbo  
*North Carolina State University*  
*(Soil Science Society of America)*

Ernest A. Mancini  
*University of Alabama*  
*(North American Commission on Stratigraphic Nomenclature)*

Hazel E. Medville  
*Reston, Virginia*  
*(National Speleological Society)*  
Thomas R. Moore  
*Illinois State Geological Survey*  
*(SEPM, Society for Sedimentary Geology)*

H. Jack Naumann Jr.  
*Naumann Oil & Gas, Inc.*  
*(Society of Independent Professional Earth Scientists)*

Becky Roland  
*(Association of Environmental & Engineering Geologists)*

W. Jerrold Samford  
*Virginia Technical Services*  
*(Geo-Institute of ASCE)*

Laurie Scheuing  
*Quantitative Environmental Analysis, LLC*  
*(Association for Women Geoscientists)*

Peter A. Scholle  
*New Mexico Bureau of Geology & Mineral Resources*  
*(Association of American State Geologists)*

Klaus J. Schulz  
*U.S. Geological Survey*  
*(Society of Economic Geologists)*

Peter H. Smeallie  
*(American Rock Mechanics Association)*

Carl J. Smith  
*(American Association of Petroleum Geologists)*

Adrienne Sponberg  
*(American Society of Limnology and Oceanography)*

Ted J. Vlamis  
*(Society of Vertebrate Paleontology)*

Peter D. Warwick  
*U.S. Geological Survey*  
*(The Society for Organic Petrology)*

David Wunsch  
*New Hampshire Geological Survey*  
*(American Institute of Professional Geologists)*

### ***Liaison Representatives***

Karl M. Glasener  
*American Society of Agronomy/Soil Science Society of America/Crop Sci.*

Donald A. Juckett  
*American Association of Petroleum Geologists*

Barbara Wainman  
*U.S. Geological Survey*

Timothy J. West  
*U.S. Geological Survey*

### **Geoscience Workforce Advisory Committee**

Michael J. Baranovic, Chair  
*Shell Exploration & Production Company*

Scott F. Burns  
*Portland State University*

Erik Davidson  
*Chevron Energy Technology Company*

G. Randy Keller  
*University of Texas at El Paso*

Charles W. Kreidler  
*LBG-Guyton Associates*

Ernest K. Lehmann  
*E.K. Lehmann & Associates*

Michael G. Loudin  
*ExxonMobil Exploration Company*

Christopher G. Maples  
*Desert Research Institute*

David T. Pocknall  
*BP*

Mary M. Poulton  
*University of Arizona*

Robert W. Ridky  
*U.S. Geological Survey*

John H. Spang  
*Texas A&M University*

Alan Trujillo  
*Palomar College*

John W. Williams  
*San Jose State University*

### **Minority Participation Program Advisory Committee**

Marsha F. Bourque, Chair  
*Houston, Texas*

Kia Baptist  
*Houston, Texas*

Philip Bart  
*Louisiana State University*

Don Diego Gonzalez  
*DDG and Associates LLC*

Michael W. Howell  
*University of South Florida*

Jose J. Sequeira Jr.  
*ExxonMobil Development Company*

Elijah E. White Jr.  
*ExxonMobil Development*

### **Finance Committee**

Peter A. Scholle, Chair  
*New Mexico Bureau of Geology/Mineral Resources*

Frank W. Harrison Jr.  
*Optimistic Oil Company*

Donald A. O'Nesky  
*Venice, Florida*

L. Stanley Pittman  
*Dallas, Texas*

Russell G. Slayback  
*Leggette, Brashears & Graham Inc.*

### **Nominating Committee**

Ernest A. Mancini, Chair  
*University of Alabama*

David J. Bottjer  
*University of Southern California*  
*(Paleontological Society)*

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

David L. Kanagy  
*(Society for Mining, Metallurgy, and Exploration)*

Peter A. Scholle  
*New Mexico Bureau of Geology*  
*(Association of American State Geologists)*

Stephen M. Testa  
*California State Mining and Geology Board*

## **Ian Campbell Award Nominating Committee**

Donald C. Haney, Chair  
*Richmond, Kentucky*

Robert A. Gastaldo  
*Colby College*  
*(Paleobotanical Section of the Botanical Society of America)*

Susan Newman  
*(Seismological Society of America)*

John M. Sharp Jr.  
*University of Texas*  
*(Geological Society of America)*

J. Alexander Speer  
*(Mineralogical Society of America)*

## **ACADEMIC ASSOCIATES**

Amherst College  
Ball State University  
Bates College  
Baylor University  
Bloomsburg University  
Bowling Green State University  
Bridgewater State College  
Brown University  
Bucknell University  
California Institute of Technology  
California State University, Fullerton  
California State University, Northridge  
Calvin College  
Central Michigan University  
Colby College  
College of Charleston  
Colorado College  
Columbia University  
Denison University  
Duke University  
East Carolina University  
Eastern Washington University  
Fort Hays State University  
Franklin & Marshall College  
Idaho State University  
Indiana State University  
Indiana University, Bloomington  
James Madison University  
Kansas State University  
Kean University  
Kent State University  
Kutztown University of Pennsylvania  
Lamar University  
Lawrence University  
Lehigh University  
Louisiana State University  
Marietta College  
Mendocino College  
Miami University  
Montana Tech of the University of Montana  
Montclair State University  
North Carolina State University  
Northern Illinois University  
Ohio University, Athens  
Ohio Wesleyan University  
Oregon State University  
Pennsylvania State University, University Park

Purdue University  
Rutgers, The State University of New Jersey  
Skidmore College  
Southern Connecticut State University  
Southern Illinois University Carbondale  
Southern Oregon University  
Stanford University  
SUNY, Cortland  
SUNY, Stony Brook  
Susquehanna University  
Texas Christian University  
Texas Tech University  
Trinity University  
Union College  
University of Akron  
University of Alabama  
University of Arizona  
University of Arkansas, Fayetteville  
University of California, Riverside  
University of Florida  
University of Illinois, Urbana-Champaign  
University of Iowa  
University of Kansas  
University of Maine  
University of Miami  
University of Michigan  
University of Minnesota, Duluth  
University of Missouri, Columbia  
University of Missouri, Kansas City  
University of Nevada, Reno  
University of New Mexico  
University of North Carolina, Chapel Hill  
University of Pittsburgh  
University of Saskatchewan  
University of South Carolina  
University of Southern Mississippi  
University of Tennessee, Chattanooga  
University of Texas, Austin  
University of Texas, El Paso  
University of Tulsa  
University of Utah  
University of West Florida  
University of Wyoming  
Washington State University  
Washington University  
West Virginia University  
Western Michigan University  
Wheaton College  
Wichita State University  
Williams College  
Wittenberg University

## **CORPORATE ASSOCIATES**

Anadarko Petroleum Corporation  
Anschutz Foundation  
Baker Hughes Foundation  
S.D. Bechtel Jr. Foundation  
BHP Billiton  
Bill Barrett Corp.  
BP  
Brown Family Foundation  
Burlington Resources  
CGG Americas Inc.  
Chevron Energy Technology Company  
Comet Ridge Limited  
ConocoPhillips Inc.  
Devon Energy Corp.  
Dominion Exploration Foundation  
Equitable Production Co.  
ExxonMobil  
Five States Energy Co.  
Forest Oil Corp.  
Fugro Consultants

Glynn Geotechnical Engineering  
Halliburton Foundation  
Kerr-McGee Corp.  
Marathon Oil Co.  
National Sand, Stone & Gravel Assn.  
Noble Drilling Corp.  
Occidental Petroleum Corp. Foundation  
Ocean Energy, Inc.  
Optimistic Oil Co.  
Parker Drilling  
Petrotechnical Open Software Corp.  
Questar Corp  
Schlumberger Foundation

Shell Oil Co.  
Southwestern Energy Corp.  
Stone Energy Corp.  
Strike Oil Limited  
Subsurface Consultants & Associates  
Texas Crude, Inc.  
Thomasson Partner Associates, Inc.  
Union Oil Co.  
Vulcan Materials Co.  
Western Gas Resources  
Williams Production Co.

## INDIVIDUAL CONTRIBUTORS

### Millinnium Club

John J. Amoruso  
Bruce S. Appelbaum  
Kenneth W. Ciriackis  
William L. Fisher  
M. C. Forrest  
Lawrence W. Funkhouser  
Charles G. Groat  
Donald R. Hembre  
Melvin J. Hill  
Dudley J. Hughes  
P. Patrick Leahy  
Donald W. Lewis  
Peter W. Lipman  
Arthur Mirsky  
Charles B. Officer  
James C. Patterson  
Roger P. Pinkerton  
Floyd R. Price  
Daniel L. Smith  
J. William Soderman  
Stephen M. Strachan  
M. Ray Thomasson  
Jack C. Threet  
Jan van Sant  
William A. Van Wie  
Robert J. Weimer  
Lawrence P. Wilding  
John A. 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.  
G. W. (Skip) Hobbs IV  
Roy M. Huffington  
Wilson Humphrey  
Christopher M. Keane  
David H. Lehman  
Mark W. Longman  
Richard L. Nielsen  
William M. Quackenbush  
Robert W. Ridky  
Raman J. Singh  
Marilyn L. Smith  
William A. Thomas

### Centurion Club

Clifford and Betsy Alexander  
Doug Allen  
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  
Charles F. Berkstresser Jr.  
William C. Berridge  
Richard Berry  
Sue Ann Bilbey  
Richard S. Bishop  
Claude E. Bolze  
Roger N. Borchert  
Blair T. Bower  
Robert E. Boyer  
Jeannette Boyer  
Lawrence W. Braile  
Margaret C. Brandt  
Philip F. Brennan  
Donald A. Brobst  
Severn P. Brown  
Bruce H. Bryant  
Arvo V. Buck  
Dennis M. Buck  
Ray A. Burke  
Scott F. Burns  
Donald M. Burt  
Gary Ray Byerly  
Lawrence R. Cann  
Jon D. Champeny  
William A. Cobban  
Kirby L. Cockerham Jr.  
William D. Collins  
John M. Colvin  
Clarence F. Conrad  
J. Maurice Cox  
Margaret Cross  
David Curtiss  
Ellie R. Cyr  
Edward C. Dapples  
Claire B. Davidson  
Donald M. Davidson Jr.  
Nicholas F. Davis  
Paul S. De Carli  
Maurice Deul  
Wallace Dewitt

Norman H. Donald Jr.  
Douglas R. Dow  
Mary E. Dowse  
James A. Drahovzal  
David E. Dunn  
Thomas A. Earl  
Edwin H. East  
Gordon P. Eaton  
David Eugene Eby  
Lucy E. Edwards  
Jacob D. Eisel  
William Elbel  
Wolfgang E. Elston  
W. Gary Ernst  
Robert H. Fakundiny  
Cyrus W. Field  
Lanny H. Fisk  
Peter T. Flawn  
Leon R. Follmer  
Linda Fontenot  
Arthur H. Forbes Jr.  
John L. Forman  
Robert E. Fox  
Robert B. Fulton III  
Christine Gaynor  
M. Charles Gilbert  
William H. Gillespie  
Jerlyn R. Gilmore  
Robert N. Ginsburg  
Ernest Gomez  
Donn S. Gorsline  
Eugene N. Gottsdanker  
Robert J. Graebner  
Henry H. Gray  
Beverly Greenwell  
Robert T. Gregory  
George Fulford Hanson  
Kenneth Lemuel Harkins Jr.  
Robert H. Harris  
William K. Hart  
Roger A. Haskins  
Henry G. Healy  
Ronald G. Heck  
Ronald M. Hedberg  
John W. Hess  
Carol T. Hildreth  
Henry A. Hill  
Paul F. Hoffman  
Thomas L. Holzer  
Adolf Honkala  
Donald M. Hoskins  
Liang-Chi C Hsu  
Harrison C. Jamison  
William W. Jenney Jr.  
Norris W. Jones  
Suzanne R. Jones



Robert R. Jordan  
Haig F. Kasabach  
Marvin E. Kauffman  
William S. Keeler  
G. Randy Keller  
Harold Kentta  
Deane E. Kilbourne  
Michael J. King  
Joe R. Klutts  
Karl J. Koenig  
Theodore A. Konigsmark  
Carl Koteff  
Robert L. Laney  
John F. Lawlor  
Charles Lawson  
Martha K. Layman  
Ernest K. Lehmann  
Morris W. Leighton  
Benjamin F. Leonard  
Arthur L. Lerner-Lam  
Robert I. Levorsen  
Charles R. Lewis  
Donald R. Lindsay  
Laurence O. Luebke  
Richard Lund  
R. Heather Macdonald  
David B. MacKenzie  
James A. Madison  
David G. Majewski  
Charles J. Mankin  
John J. Markham  
John H. Marshall Jr.  
Brian Mason  
John W. Mason  
Terry W. Massoth  
Emil J. Mateker Jr.  
George Donald Mathews  
Christopher C. Mathewson  
Edmond A. Mathez  
G. Brent McAfee  
Cameron McCarthy  
Herschell Jack McCunn  
John P. McDowell

Rebecca S. Meadows  
Keith H. Meldahl  
Jene D. Michaud  
Thomas Arthur Miller  
Joseph G. Minke  
Steven D. Mitchell  
Brent Miyazaki  
David F. Morehouse  
Haydn H. Murray  
Peter B. Nalle  
James T. Neal  
Thomas Neel  
Sarah E. Newcomb  
Robert M. Norris  
William F. Oline  
Jack E. Oliver  
John P. Olson  
John C. Osmond Jr.  
Carel Otte Jr.  
Elaine R. Padovani  
Allison R. Palmer  
Richard B. Palmer  
Quintin Papineau  
Robert H. Paschall  
James A. Peterson  
M. Dane Picard  
Edward B. Picou Jr.  
Bernard Pipkin  
Charles C. Plummer  
W. Robert Power  
Walter C. Pusey III  
James A. Ragsdale  
Douglas W. Rankin  
Donald Rasmussen  
Robert R. Reynolds  
Claire A. Richardson  
Stephen R. Robichaud  
John F. Rogers  
John W. Rold  
Joshua H. Rosenfeld  
Robert T. Russell  
Wayland Savre  
Herman T. Schassberger

Craig M. Schiffrics  
Henry R. Schmoll  
Frederic L. Schwab  
Theodore Scott  
Tom Scott  
R. Jeffrey Serne  
Brian J. Skinner  
Robert R. Smart  
Michael J. Smith  
David D. Smith  
Brian M. Smyth  
Stephen A. Sonnenberg  
Raymond Sosnowski  
Dudley P. South Jr.  
Nancy E. Spaulding  
Alan M. Stueber  
Lee J. Suttner  
Donald A. Swanson  
Donald B. Tait  
Ed Tarbuck  
George Thornton  
Kenneth J. Towe  
Peter Trabant  
Arthur M. van Tyne  
Mary Emma Wagner  
Harriet E. Wallace  
Johannes Weertman  
Gordon W. Weir  
Joseph L. Weitz  
Charles W. Welby  
Edmund G. Wermund Jr.  
Heyward M. Wharton  
Charles B. Wheeler  
John R. Williams  
John S. Williams  
Richard S. Williams Jr.  
James E. Wilson  
John Stephen Woncik  
Gene Woodruff  
J. Lamar Worzel  
Pinar O. Yilmaz  
Walter Youngquist  
Herman B. Zimmerman

---

## Financial Summary

What a year! For the year ended December 31, 2007, AGI recorded a record positive bottom line of nearly \$873,000, up 82% from last year. In addition, cash flow increased nearly \$742,000 for the same period. In comparing last year's results, AGI's bottom line was positive nearly \$480,000, while cash flow was negative nearly \$1.1 million.

For the past fifteen years, AGI's continuing positive bottom line, for the most part, has been due to the growth of GeoRef royalty revenue. Globalization and technology — particularly the internet — have increased subscriptions to GeoRef, which has increased royalties from \$600,000 in 1992 to nearly \$3.1 million in 2007, a fivefold improvement. In 2007, GeoRef royalties were 44.5% of AGI's total revenue, compared 17.7% of total revenue in 1992. Even with GeoRef's record royalties in 2007, the extraordinary boost in AGI's 2007's positive bottom line from last year was attributed to the 68% increase in education royalties.

### Financial Highlights

- Record bottom line recorded
- Positive bottom line for fifteenth consecutive year

- GeoRef royalties reach record level
- Educational products generate record royalties
- Liquidity at an all-time high
- Net assets reach a record \$9.4 million

For the year end 2007, the stock market did produce gains. The S&P 500 gained 3.5%, the Nasdaq Composite 9.8%, the Wilshire 5000 3.9%, and the Dow 6.4%, AGI's stock fund portfolio gained 15.7%. As of December 31, 2007, AGI's investment portfolio consisted of approximately 62% in cash and cash equivalents, 36.2% in mutual funds and 1.8% in bonds.

AGI's top mutual fund performers in 2007 were the energy related funds and the real estate fund. Percentage-wise, the top performers were the CGM Focus Fund, which gained nearly 80%, and the US Global Resources Fund that gained 40%.

AGI's financial condition remains strong. As of December 31, 2007, cash and securities were over \$3.1 million. The ratio of current assets to current liabilities was over 4.5-to-1.

AGI is in excellent financial health — solid, on the right track, with strong business oriented fundamentals and a focus on enhancing the geosciences.

**KOSITZKA**  
AND COMPANY  
**WICKS**

A PROFESSIONAL CORPORATION  
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, 2007 and 2006, 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 U.S. generally accepted auditing standards. 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, 2007 and 2006, and the changes in its net assets and its cash flows for the years then ended in conformity with U.S. generally accepted accounting principles.

*Kositzka, Wicks and Company*

Alexandria, Virginia  
March 3, 2008

# American Geological Institute

## Statements of Financial Position December 31,

	2007	2006
<b>Assets</b>		
<b>Current Assets</b>		
Cash and cash equivalents	\$ 1,664,204	\$ 922,536
Marketable securities	1,465,541	1,738,173
Accounts receivable	1,260,170	1,134,589
Grants and contracts receivable	91,846	710,284
Notes receivable, current portion	-	34,417
Prepaid expenses and advances	37,647	20,020
Inventory of publications	44,171	47,086
<b>Total Current Assets</b>	<u>4,563,579</u>	<u>4,607,105</u>
<b>Property and Equipment, at cost</b>		
Building and improvements	1,901,383	1,901,383
Furniture and equipment	300,644	312,416
Accumulated depreciation	(1,283,773)	(1,229,183)
	<u>918,254</u>	<u>984,616</u>
Land	525,032	525,032
<b>Total Property and Equipment, net</b>	<u>1,443,286</u>	<u>1,509,648</u>
<b>Other Assets</b>		
GeoRef database, at appraisal value	4,500,000	4,500,000
Notes receivable, net of current portion	-	11,260
Software, net of amortization	1,817	3,173
Mineral displays	13,362	13,362
<b>Total Other Assets</b>	<u>4,515,179</u>	<u>4,527,795</u>
<b>Total Assets</b>	<u>\$ 10,522,044</u>	<u>\$ 10,644,548</u>
<b>Liabilities and Net Assets</b>		
<b>Current Liabilities</b>		
Accounts payable and accrued expenses	\$ 261,317	\$ 669,315
Advance subscription and project income	488,741	536,798
Note payable, current portion	110,481	91,706
Accrued vacation	123,052	146,365
Due to American Geological Institute Foundation	-	292,002
<b>Total Current Liabilities</b>	<u>983,591</u>	<u>1,736,186</u>
<b>Long-Term Liabilities</b>		
Note payable, net of current portion	108,504	351,266
<b>Total Liabilities</b>	<u>1,092,095</u>	<u>2,087,452</u>
<b>Net Assets</b>		
Unrestricted	9,360,730	8,487,877
Temporarily restricted	69,219	69,219
<b>Total Net Assets</b>	<u>9,429,949</u>	<u>8,557,096</u>
<b>Total Liabilities and Net Assets</b>	<u>\$ 10,522,044</u>	<u>\$ 10,644,548</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, 2007

	Unrestricted	Temporarily Restricted	Total
<b>Revenue</b>			
Advertising	\$ 285,495	\$ -	\$ 285,495
Dues	133,533	-	133,533
Grants, contracts, and services	1,547,869	-	1,547,869
Contributions	154,437	-	154,437
Publication sales	264,210	-	264,210
Subscription income	294,629	-	294,629
Royalties	3,860,033	-	3,860,033
List rentals	5,322	-	5,322
Interest and investment income (loss)	279,635	-	279,635
Other	112,114	-	112,114
Net assets released from restrictions:			
Satisfaction of program requirements	-	-	-
<b>Total Revenue</b>	<u>6,937,277</u>	<u>-</u>	<u>6,937,277</u>
<b>Expenses</b>			
Grants and contracts	1,663,625	-	1,663,625
GeoRef department	1,727,852	-	1,727,852
Education and special programs	388,453	-	388,453
Geotimes	555,700	-	555,700
Publications	194,838	-	194,838
Public relations	142,936	-	142,936
General and administrative	1,391,020	-	1,391,020
<b>Total Expenses</b>	<u>6,064,424</u>	<u>-</u>	<u>6,064,424</u>
<b>Increase in Net Assets</b>	872,853	-	872,853
<b>Net Assets, beginning of year</b>	8,487,877	69,219	8,557,096
<b>Net Assets, end of year</b>	<u>\$ 9,360,730</u>	<u>\$ 69,219</u>	<u>\$ 9,429,949</u>

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

---

# 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. Since 1996 the Foundation has raised more than \$10 million and continues to raise funds in support of the following programs.

## **K-12 Education**

The Foundation provides major support for all national curriculum programs, *Investigating Earth's Systems* (grades 5-8) and *Earth System Science in the Community (EarthComm)* – *Understanding Our Environment* (grades 9-12). These innovative programs incorporate the National Science Education Standards, include a significant teacher enhancement and mentoring component, and make effective use of new, web-based technologies. With support from AGIF, AGI staff and trained curriculum leaders conducted major teacher enhancement workshops in 2006 in Denver, Las Vegas, Chicago and Jacksonville, FL. The Foundation also provided funding support for the new *K-5 GeoSource* professional development web site for elementary teachers. This new site, developed by AGI and launched in late 2006, contains geoscience content, activities, resources, career information, educational research and online graduate-level courses.

**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** was instituted in 2007 to provide information on tracking supply, demand, and other parameters affecting the geosciences; 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

## **OFFICERS**

Roger P. Pinkerton, Chair  
*Marathon Oil Company*

William L. Fisher, Secretary  
*University of Texas at Austin*

William A. Van Wie, Treasurer  
*Devon Energy Corporation*

## **TRUSTEES**

John J. Amoroso  
*Amoroso Petroleum Company*

Bruce S. Appelbaum  
*Mosaic Resources*

Michael J. Baranovic  
*Shell Exploration & Development Company*

Stephen J. Barberio  
*Vulcan Materials Company*

William J. Barrett  
*Bill Barrett Corporation*

Thomas D. Barrow  
*Houston, TX*

Annell Bay  
*Shell Energy Resources Company*

R. Michael Beathard  
*Bechtel Corporation*

Steven R. Bell  
*Remora Energy*

Kenneth W. Ciriacks  
*Tucson, AZ*

Peter D. Carragher  
*BP America, Inc.*

William E. Crain  
*Danville, CA*

Robert P. Daniels  
*Anadarko Petroleum*

Peter A. Dea  
*Cirque Resources LP*

James W. Farnsworth  
*Cobalt International Energy*

Michael C. Forrest  
*Dallas, TX*

James M. Funk  
*Sewickley, PA*

Lawrence W. Funkhouser  
*Palo Alto, CA*

James A. Gibbs  
*Five States Energy Company*

William E. Gipson  
*Gas Investments/Gas Fund Inc.*

Howard R. Gould  
*Houston, TX*

Arthur R. Green  
*Gig Harbor, WA*

Priscilla C. Grew  
*University of Nebraska, Lincoln*

Elwyn C. Griffiths  
*ExxonMobil Exploration*

Charles G. Groat  
*University of Texas at Austin*

Thomas M. Hamilton  
*Houston, TX*

James W. Handschy  
*ConocoPhillips*

Frank W. Harrison Jr.  
*Optimistic Oil Company*

John D. Haun  
*Evergreen, CO*

G. Warfield Hobbs  
*Ammonite Resources*

Philip E. LaMoreaux  
*LaMoreaux & Associates*

Gregory M. Larberg  
*Burlington Resources*

Ernest A. Mancini  
*University of Alabama*

Jerry A. McCalip  
*McCalip & Co.*

Cole R. McClure Jr.  
*San Carlos, CA*

Richard E. Miguez  
*Santa Ana, CA*

Donald L. Paul  
*Chevron Corporation*

Alan Pennington  
*Meridian Resource Corp.*

Richard A. Plumb  
*Schlumberger Data Consulting Services*

Mary M. Poulton  
*University of Arizona*

Floyd R. Price  
*Apache Corp.*

Mr. Vikram Rao  
*Halliburton Energy Services Group*

James F. Reilly  
*NASA*

Peter R. Rose  
*Ross & Associates*

Robert N. Ryan  
*Chevron Corp.*

John N. Seitz  
*Endeavour International Corporation*

Russell G. Slayback  
*Leggette, Brashears & Graham, Inc.*

Daniel L. Smith  
*Sandalwood Energy LLC*

Harvey A. Smith  
*Sequim, WA*

Charles B. Stanley  
*Questar Market Resources*

James V. Taranik  
*University of Nevada, Reno*

M. Ray Thomasson  
*Thomasson Partner Associates, Inc.*

Jack C. Threet  
*Houston, TX*

Scott W. Tinker  
*Texas Bureau of Economic Geology*

Wallace Ulrich  
*Jackson, WY*

Edward M. Warner  
*Denver, CO*

Kane C. Weiner  
*Texas Crude, Inc.*

Lawrence P. Wilding  
*Texas A&M University*

John A. Willott  
*Jackson, WY*

David F. Work  
*Houston, TX*

## **EXECUTIVE DIRECTOR**

Jan F. van Sant  
*American Geological Institute Foundation*



---

## **AGI/AGIF Marcus Milling Legendary Geoscientist Medal**

Dr. William L. Fisher was presented with the 2007 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.

Fisher received his B.S. (1954) in geology from Southern Illinois University and both his M.A. from the University of Kansas in 1958 and 1961 respectively. He is the Leonidas T. Barrow Chair and Professor in the Department of Geological Sciences of the Jackson School of Geosciences at the University of Texas at Austin. Previously, he served as the Inaugural Dean and the first Director of the John A. and Katherine G. Jackson School of Geosciences, a school he was instrumental in founding as well as securing its substantial endowment. He is a former long-time director of the Bureau of Economic Geology, former chairman of the Department of Geological Sciences and former director of the Geology Foundation.

He has held many leadership roles including serving as president of the American Association of Petroleum Geologists (1985-1986), the American Geological Institute (1990-1991), the American Institute of Professional Geologists (1993), and the Association of American State Geologists (1981-1982). Dr. Fisher has an exceptional record of public service, including as an advisor to many local and federal officials as he is a member of the National Petroleum Council a former member the Commission on Geoscience, Environment, and Resources of the National Research Council, Assistant Secretary of Energy and Minerals in Interior, and was as member of the White House Science Council. He is also a member of the National Academy of Engineering and a founding member of the Academy of Medicine, Engineering and Science of Texas.

Dr. Fisher has previously received a Presidential Citation from the University of Texas (2002), the Don R. Boyd Medal (2002) from the Gulf Coast Association of Geological Societies, the William H. Twenhofel Medal (2001) from SEPM, the Sidney Powers Medal (1994) from AAPG, the Ben F. Parker Medal (1996) from AIPG, the Ian Campbell Medal (1991) from AGI, and the Hollis D. Hedberg Medal (1991) from the Institute for the Study of Earth and Man.

Dr. Fisher'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.

---

# Scholarships

## Minority Scholars

For the past 35 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 2007-2008 academic year, AGI distributed Minority Geoscience Scholarships to 11 undergraduates and 17 graduate students. The 2007-2008 AGI Minority Participation Program was sponsored by the generous financial support from individual donors and the following professional organizations and corporations:

ExxonMobil  
Chevron  
Marathon Oil  
Seismological Society of America

In January 2008, the MPP received a three-year grant from the American Chemical Society's Petroleum Research Fund, which will significantly increase the program budget beginning in 2008-2009.

## Undergraduate Students

- Emerlene Aragon, New Mexico State University
- Claire Bailey, San Francisco State University
- Jaqueline Chavez, California State University at Long Beach
- Gina Fallas, Colgate University
- Gabriela Keeton, Baylor University
- Amanda Lopez, California State University, San Bernadino
- Stephanie Montgomery, California State University, San Bernadino
- Ariel Morales, Amherst College
- Charles Plummer, College Of William And Mary
- Joseph Salazar, California State University, San Bernadino
- Christina Velasquez, California State University, San Bernadino

## Graduate Students

- Fleur Bases University of Louisiana
- Antony Berthelote, Department of Geoscience
- Sabrina Canalda, University of Texas at El Paso
- Irma Caraballo Alvarez, University of California, San Diego
- Rebecca Garcia, New Mexico State University
- Frank Guerrero, University of Texas at El Paso
- Michael Martinez-Colon, University of South Florida
- Dominike Merle, University of Missouri
- Cheyenne Morgan, Northern Illinois University
- Kelsey Mosley, Oklahoma State University
- Rachel Novak, University of Arizona
- Anisa Perez, University of Texas at Austin
- Harold Peterson, University of Nevada, Reno
- Jolene Robin-McCaskill, Stanford University
- Stanley Stackhouse, University of Texas at Austin
- Celina Suarez, University of Kansas
- Marina Suarez, University of Kansas

---

## AGI Member Societies

American Association of Petroleum Geologists  
American Association of Stratigraphic Palynologists  
American Geophysical Union  
American Institute of Hydrology  
American Institute of Professional Geologists  
American Rock Mechanics Association  
American Society of Limnology and Oceanography  
Association for Women Geoscientists  
Association of American State Geologists  
Association of Earth Science Editors  
Association of Environmental & Engineering Geologists  
Clay Minerals Society  
Council on Undergraduate Research, Geosciences Division  
Environmental and Engineering Geophysical Society  
Friends of Mineralogy  
Geo-Institute of the American Society of Civil Engineers  
Geological Society of America  
The Geological Society of London  
Geoscience Information Society  
History of Earth Sciences Society  
International Association of Hydrogeologists/U.S. National Chapter  
International Basement Tectonics Association  
Mineralogical Society of America  
National Association of Black Geologists and Geophysicists  
National Association of Geoscience Teachers  
National Association of State Boards of Geology  
National Earth Science Teachers Association  
National Speleological Society  
North American Commission of Stratigraphic Nomenclature  
Paleobotanical Section of the Botanical Society of America  
Paleontological Research Institution  
Paleontological Society  
Petroleum History Institute  
Seismological Society of America  
SEPM (Society for Sedimentary Geology)  
Society for Mining, Metallurgy, and Exploration, Inc.  
The Society for Organic Petrology  
Society of Economic Geologists  
Society of Exploration Geophysicists  
Society of Independent Professional Earth Scientists  
Society of Mineral Museum Professionals  
Society of Vertebrate Paleontology  
Soil Science Society of America  
United States Permafrost Association

---

## 2007 AGI Administrative Staff

### **Executive Director**

P. Patrick Leahy

### **Administrative Assistant to Executive Director**

Leigh Sutherland

### **Director of Education, Outreach, and Development**

Ann E. Benbow

### **Earth Science Week Coordinator**

Geoff Camphire

### **Director of Information Systems**

Sharon Tahirkheli

### **Chief Editors**

Afifa Kechrid

James Mehl

### **Senior Programmer**

Lawrence Berg

### **Director of Government Affairs**

Linda Rowan

### **Managing Editor, Geotimes**

Megan Sever

### **Director of Communications and Technology**

Christopher Keane

### **Manager of Communications**

Andrea Martin

### **Manager of Technology**

Mary Jo Alfano

### **Manager of Publications and Marketing**

John Rasanen

### **Director of Environmental Affairs**

Travis L. Hudson

### **Controller**

Patrick Burks