

SERVING THE GEOSCIENCES



# AGI

THE AMERICAN GEOLOGICAL INSTITUTE

2006 Annual Report

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Canadian Geoscience Council

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Joint Oceanographic Institutions

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Petrotechnical Open Standards Consortium

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

Barbara Wainman  
U.S. Geological Survey

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

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

# THE INSTITUTE

Founded in 1948, the American Geological Institute (AGI) serves its member societies and the geoscience profession of more than 120,000 geologists, geophysicists, and other earth and environmental scientists. AGI provides professional information services, serves as a voice of shared interests in the geosciences, plays a major role in strengthening geoscience education, and increases 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 publication sales, royalties, grants and contracts, contributions and member society dues.

AGI's staff of 60 full- and part-time employees provides professional and information services related to government affairs and science policy issues; earth science education, outreach, geoscience workforce, and scholarships; environmental policy issues; 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.

## 2006 HIGHLIGHTS AND MILESTONES

### AWARDS

AGI recognized the professional and scientific contributions of Robert D. Hatcher, M. Ray Thomasson, and Joanne Kluessendorf.

### GEOREF CONTINUES STRONG PERFORMANCE

With more than 2.8 million references, GeoRef is the largest and most comprehensive geoscience database in the world. A new record of more than 91,000 citations were added in 2006.

### TV SERIES

Production of the Faces of Earth TV series, to be aired on The Science Channel (Discovery Communications) began.

### GEOSPECTRUM

Early in 2006, GeoSpectrum was relaunched as a blog for the geoscience community.

### ADVANCING EARTH SCIENCE EDUCATION

AGI with the support of the AGIF launched K-5 GeoSource, an online professional development tool for elementary educators.

### EARTH SCIENCE WEEK

In October, thousands of students nationwide participated in activities based on the theme "Be a Citizen Scientist!"

### CONGRESSIONAL SCIENCE FELLOWSHIP

In September, Allyson Anderson began her term as AGI's 2006-2007 Congressional Fellow working for the Senate Energy and Natural Resources Committee.

### EXPANDING GEOTIMES DISTRIBUTION

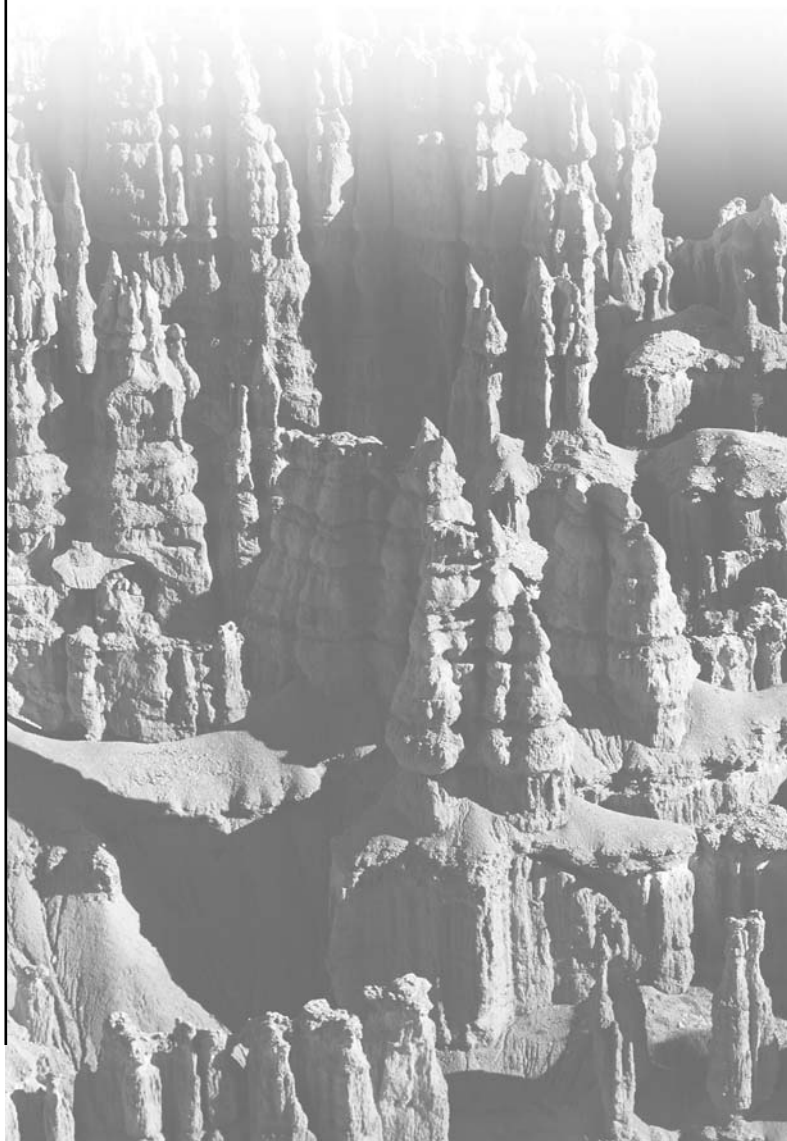
Newsstand sales exceeded industry standards in 2006. The magazine is sold in Barnes and Noble, Borders, and other bookstores in the United States and Canada.

### NEW BOOKS

AGI published the 9th installment in the Environmental Awareness Series, *Coal and the Environment*, and *The Geoscience Handbook: AGI Data Sheets 4th Edition* during 2006.

### FINANCIAL STABILITY CONTINUES

The Institute had a positive bottom line for the 14th consecutive year. During AGI's financial turnaround in the 1990s, net assets increased from a negative \$230,000 in 1989 to a positive \$8.5 million in 2006.



## 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.

**Robert D. Hatcher** received the 2006 Ian Campbell Medal on October 21, 2006 at the GSA Presidential Address Ceremony in Philadelphia, Pennsylvania. He was the 25th recipient of this prestigious annual award.

Hatcher received both a B.A. and M.S. from Vanderbilt University. He then received a Ph.D. in structural geology from the University of Tennessee-Knoxville. Following graduation, he worked for Humble Oil and Refining Company. From there, he moved into academia at Florida State University, and the University of South Carolina-Columbia. In 1986, he moved to the University of Tennessee-Knoxville and the Oak Ridge National Laboratory.

Hatcher has been president of both GSA (1993) and AGI (1996). He has also served on several GSA and National Academy of Science committees. He has served as the Chair of the Geological Society of America Foundation Board of Trustees, Chair of the GSA Honorary Fellows Committee, and as Co-Chair for the American Association of Petroleum Geologists History of Petroleum Geology Committee.

### WILLIAM B. HEROY, JR. AWARD FOR DISTINGUISHED SERVICE TO AGI

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

**Dr. M. Ray Thomasson** received the 2006 William B. Heroy, Jr. Award for Distinguished Service to AGI.

Thomasson obtained both a B.S. and a M.S. from the University of Missouri and a Ph.D. from the University of Wisconsin. He has received Distinguished Alumni awards from both institutions. Thomasson worked in management for Shell Oil Company, as Vice President of Exploration for McCormick Oil and Gas, Inc., as President of Spectrum Oil and Gas, Inc., and as President of Pend Oreille Oil and Gas, Inc. In 1990,



he founded Thomasson Partner Associates, Inc., a firm that generates and promotes high-potential exploration projects to industry. Thomasson has served in a number of leadership roles for AGI, including as the first Chair of the independent AGI Foundation, as a Trustee of the AGI Foundation, and as AGI President in 2003. He has been instrumental in the development of a number of AGI outreach activities, including nurturing relationships between AGI and the National Park Service, promoting the development geoscience-oriented children's books, and championing the development of the forthcoming *Faces of Earth* TV series being produced in cooperation with Discovery Communications. His leadership in the areas of outreach has extended beyond AGI, including campaigning for additional support for the Geological Society of America's GeoCorps program that places geoscientists in the National Parks.

### 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 civilization.

In 2006, **Joanne Kluessendorf** was awarded the Outstanding Contribution of Public Understanding of the Geosciences Award.



Kluessendorf has a long history of educating the public about the earth sciences. She was instrumental in the development, design, and implementation of construction of the Weis Earth Science Museum, the official mineralogical museum of Wisconsin. She has nominated more areas as National Historic Landmarks than any person in the country. The National Park Service has in turn designated all of Kluessendorf's nominated areas, located in five states, as National Historic Landmarks.

Dr. Kluessendorf received both her B.S. and Ph.D. in geology from the University of Illinois at Urbana-Champaign. She is currently serving as the Director of the Weis Earth Science Museum and as an adjunct professor at the University of Wisconsin-Fox Valley.

# LEADERSHIP

2006 was a year of great progress and profound change at AGI. The substantial efforts of over a decade's service by AGI Executive Director, Marcus E. Milling, began to flourish and greatly change the geoscience profession. But 2006 was also the year that Marcus Milling stepped down as the Executive Director of AGI to become a Senior Advisor to the Institute. As difficult as that loss was for AGI, its staff, and the profession, it was overshadowed by Marcus' passing in October 2006 after a long battle with cancer. He fought his cancer with the same zeal and rigor as he did in growing and expanding AGI and its programs. His legacy is forever etched in AGI's programs and at that, throughout the geoscience profession.

The most exemplary demonstration of Marcus Milling's legacy is through the vibrant AGI programs and their activities in 2006. Public outreach, geoscience education, and informed policy-makers were Marcus's greatest foci in his final years of service to the Institute. Under his guidance and leadership, the Education Department grew into a leader through the expansion of new curriculum, classroom materials, and teacher development. During 2006, the Education Department continued to produce quality earth science curriculum, materials and provided teacher training. With support from the AGI Foundation, a new online educational resource, K-5 GeoSource was created to make available earth science activities, support, and continuing education opportunities for elementary-level teachers.

Another major accomplishment was AGI reaching a publishing agreement with Thomson Delmar Learning to produce a high school environmental science text that incorporates data from AGI's *Global GIS* DVDROM. Also, the *Investigating Earth Systems* curriculum for middle school students was adopted by California.

Earth Science Week was initiated as part of the celebration for AGI's 50th anniversary in 1998. 2006 marked its 9th year and is the Institute's major outreach mechanism to reach hundreds of thousands of K-12 students and educators each October to highlight the importance of the geosciences.

*Faces of Earth*, the four-part TV series being developed in cooperation with Discovery Communications, Inc. began filming in 2006. This series is AGI's largest project to date and focuses on the complexities and interconnectedness of the Earth systems, telling the story through the eyes of geoscientists. *Faces of Earth* was the culmination of Marcus Milling's quest to expand the reach and exposure of the geosciences, and represented a concerted five-year effort to make the opportunity for AGI to branch out into first-line media projects. With his leadership, AGI raised the necessary support to undertake such a major program. He brought together a knowledgeable and well respected team of geoscientists to ensure strong scientific

content. Filming and computer graphics development began in 2006 and is expected to be completed in 2007. Because of the vision and effort that Marcus put into the development of the series, AGI will be releasing its first major television production in 2007.

The Data Sheets publication was completely revised and published under the new name, *The Geoscience Handbook*, to reflect the many changes and additions created in this new edition. This revision has become AGI's fastest selling publication ever. *Coal and the Environment*, the latest addition to the nine-part Environmental Awareness Series, was published and the *Online Glossary of Geology* was launched. The publications continue AGI's reputation of being one of the premier publishers of geoscience resources.

The Government Affairs Program flourished during Marcus's tenure as Executive Director. Because of this invaluable service provided by AGI, member societies grew dramatically to a total of 44 representing over 120,000 geoscientists. AGI's reach is larger than it has ever been in its nearly 60 year history.

With that reach came financial stability. AGI operated in the black for the 14th consecutive year, an achievement unparalleled in AGI history.

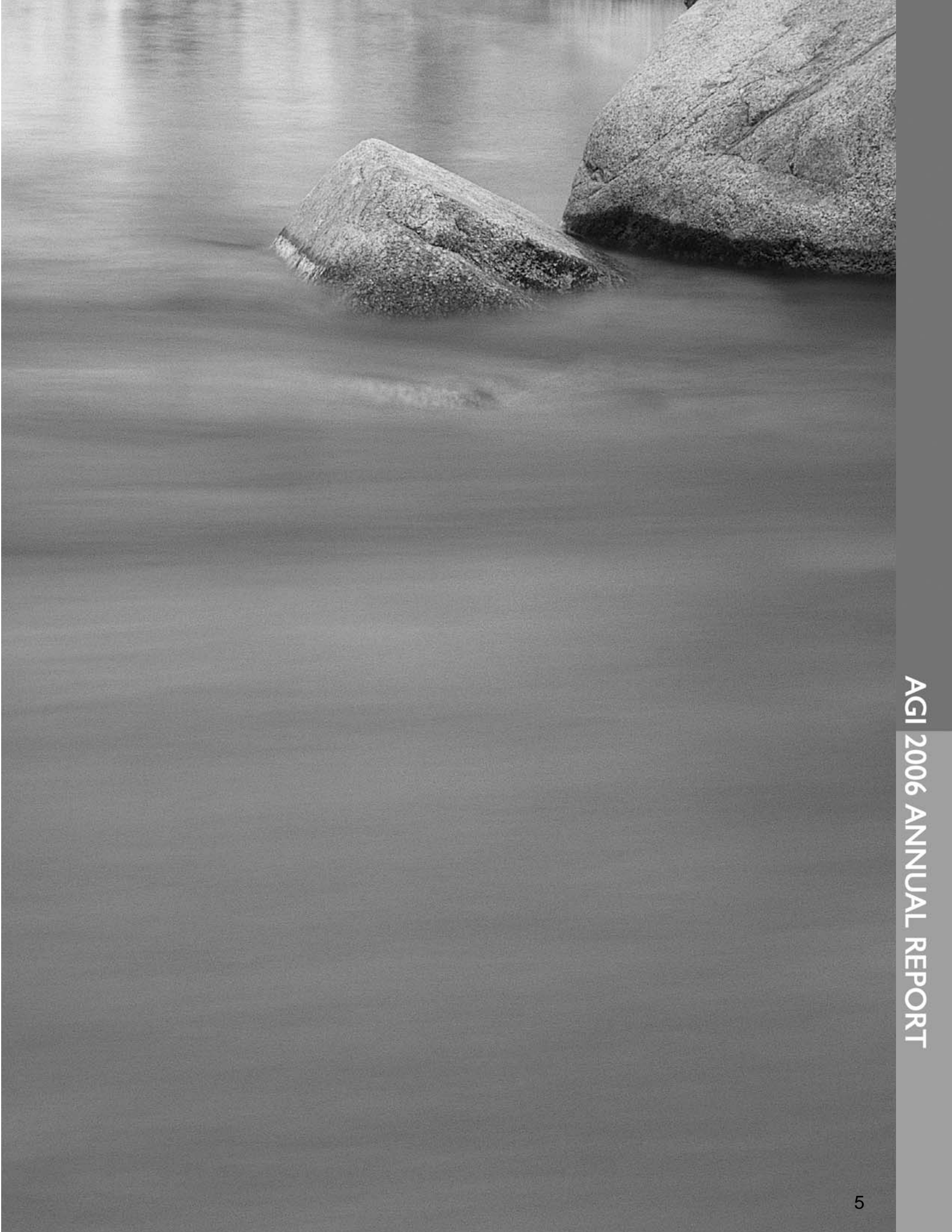
The passing of Marcus was a loss not only for AGI but for all of the geosciences. His passion for the science and profession was evident by the programs that grew at the Institute while he was the director. The foundation that he laid will continue to support geoscience education, outreach, communication, and policy at not just AGI but at the member societies as well. Although he will be missed greatly, the legacy he built at AGI will be a reminder of the spirit he brought to the geosciences.

**Ernest A. Mancini**  
*President*



**Dr. Ernest A. Mancini**, is a Distinguished Research Professor of geology at the University of Alabama (UA), Director of the Center for Sedimentary Basin Studies at UA and the Eastern Gulf Region Director of the Petroleum Technology Transfer Council. With over 130 papers and 200

abstracts published in renowned scientific journals, Mancini is widely recognized and honored for his ability to communicate and educate. He has made more than 200 technical presentations to academic, industrial and governmental organizations.



## GEOREF INFORMATION SYSTEMS

GeoRef had a record year in 2006 with almost 1200 geoscience organizations subscribing to its database and a total of more than 91,000 new bibliographic references added to the system. GeoRef is now available on all seven continents and is the unrivalled leader for bibliographic information in the geosciences. The database project was begun in 1967, and the primary database now contains over 2.8 million bibliographic references with subject and geographic indexing. During 2006, references were added each month for serials, books, reports, conferences, maps and theses. Over 40 percent of all new references contain abstracts. More than 53 percent of the publications cited in GeoRef in 2006 were published outside the United States; these citations include references from 86 countries in 44 different languages. A staff of 33 work to produce the database. GeoRef is funded by royalties from 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.

GeoRef is available over the Internet through web-based data services. 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 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-two 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 could license GeoRef and make the database searchable by students and faculty over the same internal network as its own online library catalog. Updates are twice monthly.

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 is the most important resource in the library it is essential for our work. Cancel the journals if you have to, but NEVER cancel GeoRef.***

Alan T. Linde, Seismologist  
Carnegie Institution of Washington, Washington, D.C.

### GeoRef Services and Publications

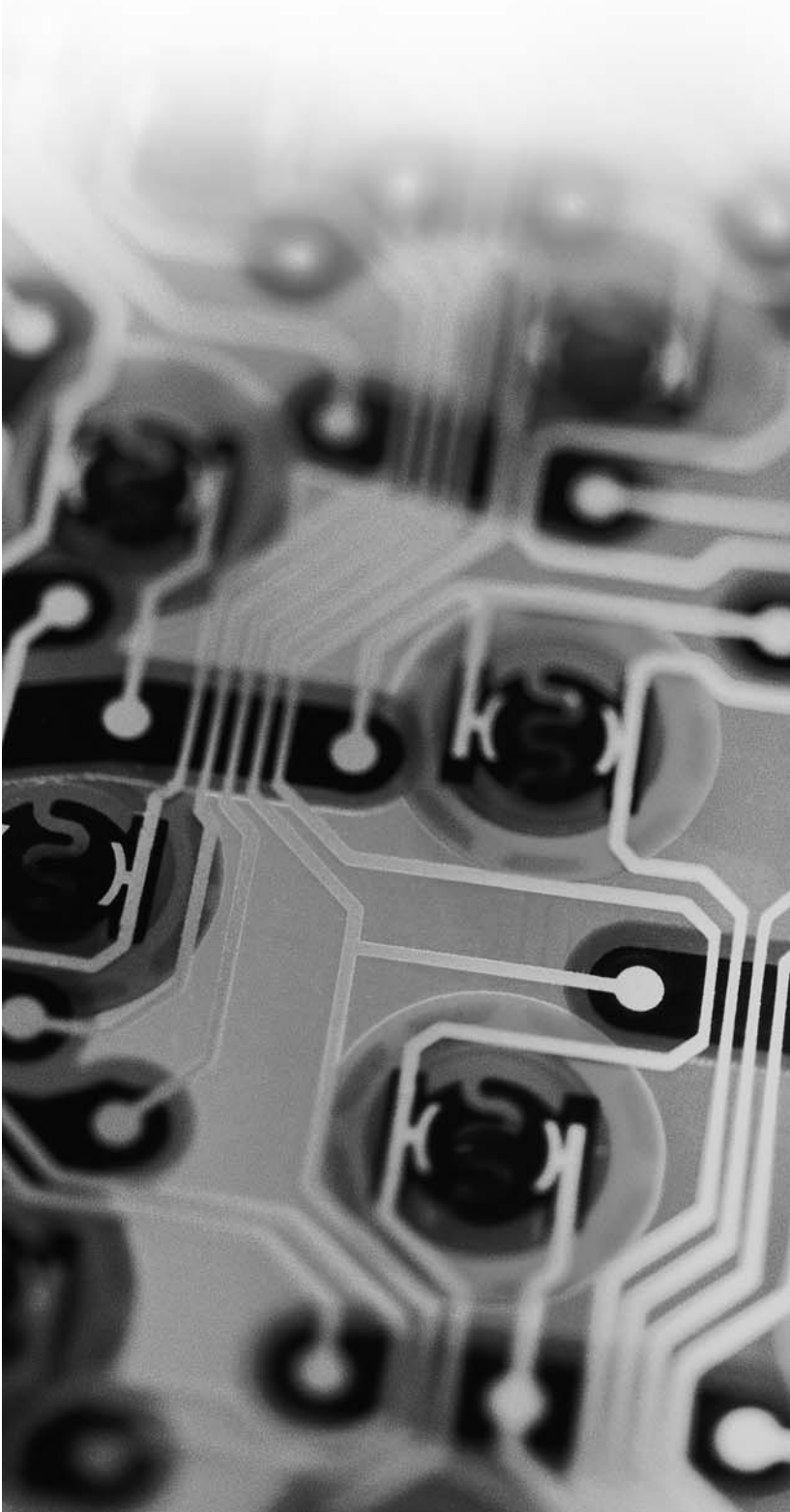
- GeoRef Thesaurus: GeoRef's guide to its controlled vocabularies for the geosciences; available in print and online as an integrated part of GeoRef; Eleventh edition revision began in 2006
- GeoRef Serials List: GeoRef's guide to series covered by GeoRef; includes more than 18,000 titles; updated annually
- GeoRef Document Delivery Service: GeoRef's locator service providing copies of hard-to-find maps, theses and foreign publications to researchers and students; located almost 1500 publications for users in 2006
- 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

### Other Information Systems Department Products and Services in 2006

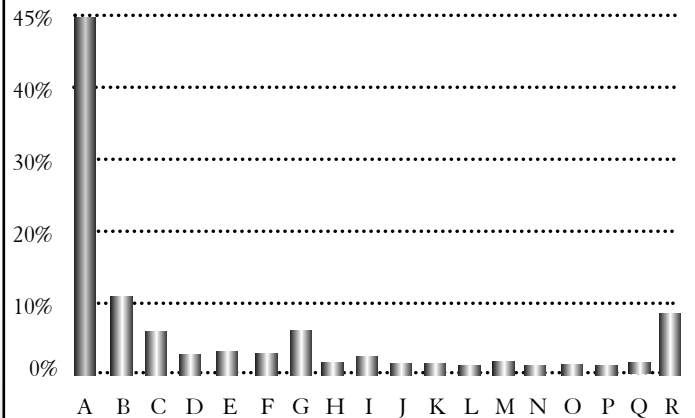
- Cold Regions Bibliography Project: continuing grant from NSF and the U.S. Army Corps of Engineers
- Antarctic Bibliography: more than 80,000 references; updated weekly; free on the AGI web site
- Bibliography on Cold Regions Science and Technology: more than 180,000 references; updated weekly; free on the AGI web site
- IPY Publications Database: collaborative project with the Arctic Institute of North America and the Scott Polar Research Institute; launched in 2006
- Groundwater and Soil Contamination database: covers the soil and groundwater pollution fields; includes more than 110,000 references; available by subscription on the AGI web site; updated weekly; used in more than 80 libraries
- AusGeoRef: cooperative project with Geoscience Australia; includes more than 75,000 references; available by subscription on the AGI web site; updated weekly
- Bibliography and Index of Micropaleontology: cooperative project with Micropress; updated monthly
- Ocean Drilling Program Publications Database: 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*: web-based version of the *Glossary of Geology 5th Edition* designed and updated by Information Systems staff in 2006; includes almost 1000 images of rocks, minerals and landforms from the Image Bank and 28,000 Spanish term translations;
- **Metadata Services**
  - DLESE: completed Third and final phase of cataloging for Digital Library for Earth System Education in 2006
  - AGI's Image Bank: cataloged more than 1000 images in 2006



Items added to GeoRef in 2006  
by Country of Publication



- A. United States
- B. International
- C. United Kingdom
- D. Australia
- E. Germany
- F. China
- G. Netherlands
- H. Russia
- I. Canada
- J. Japan
- K. France
- L. India
- M. Italy
- N. Poland
- P. Spain
- Q. New Zealand
- R. Other



- Africa
- South America
- United States
- North America (excluding US)
- Asia
- Australia
- Europe
- International

# TECHNOLOGY AND COMMUNICATIONS

## EARTH SCIENCE WORLD IMAGE BANK

In June 2003, AGI launched an electronic database of print-quality geoscience images for use by the education community and by AGI for publications. By the end of 2006, AGI had digitized over 20,000 images and cataloged nearly 7000. Over 12.5 million images had been viewed through the Image Bank system, with the largest proportion being used in educational presentations. Indexing of the images follows 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. The Image Bank was cited by Scientific American as one of the top ten websites in the earth and spaces sciences in 2004.

## INTERACTIVE ONLINE LEARNING

Since 1998, AGI has been working on development of web-based learning modules aimed at continuing education for petroleum geologists. The project, originated by the Society of Exploration Geophysicists, was advanced by AGI to include 15 modules on reservoir characterization in a fluvial-deltaic environment. The AGI Foundation has provided support for developing the modules. AGI has an agreement with the American Association of Petroleum Geologists (AAPG) to market the modules under the "Interactive Online Learning" banner, <http://iol.agiweb.org>. Development of the next set of modules began in 2002 with a target of eight modules on carbonate reservoir characterization. These modules were completed in late 2003 and became available through AAPG during 2004.

## EARTHINQUIRY.ORG

AGI continues to develop a series of data-centric, web-based activities for introductory-level university geoscience courses in cooperation with W.H. Freeman Publishers. Currently EarthInquiry is a suite of eight online modules and companion booklets. Further module development continues, with coverage of soils and water budget as near-term targets. Use of the system grew steadily, with most of the modules now in second or third printings.

## GEOSPECTRUM

In 2005 AGI relaunched its newsletter GeoSpectrum as a newsletter of the entire geoscience community. Originally created as an AGI newsletter in the 1990s, the publication is now a newsletter for the entire geoscience community, with materials of interest to the broad geoscience community and submitted by AGI member societies and other geoscience organizations. GeoSpectrum was launched as a quarterly electronic newsletter, and initial demand and submissions exceeded all projected expectations. It has since adopted a blog format and is available online at <http://www.agiweb.org/geospectrum>.

## DATA PRESERVATION

As the global economy has developed, many U.S. petroleum

***"[This] effort, through the American Geological Institute and the geoscience societies, to preserve important scientific data and complementary efforts to archive core specimens will contribute significantly to increased understanding from and use of a very large base of well-drilling experience."***

Report of the Energy  
Research and Development Panel  
The President's Committee of Advisors on  
Science and Technology, November 1997

and mining companies have focused their attention on overseas investment opportunities. This trend has put vast amounts of domestic geological and geophysical data in jeopardy of being lost or destroyed. Since 1994, the American Geological Institute has coordinated the development of an interconnected national network of geographically distributed, public domain repositories for geoscience data. The objective of the National Geoscience Data Repository System (NGDRS) is to serve as a clearinghouse. It provides a process and means of capturing and preserving billions of dollars of geoscience data that are in jeopardy of being destroyed, as major domestic oil and gas companies reduce the scope of their operations in the United States. The project also developed an electronic catalog of data stored in these repositories; the catalog greatly improves data access. Support for the project was through joint public and private sector funding by the Department of Energy's (DOE) Fossil Energy program and major petroleum companies. AGI has engaged in a number of capacities in the developing Geoinformatics efforts, including advising based on experiences from the NGDRS program, facilitating communications with industry, and examining opportunities and needs for public outreach and engagement.

## TECHNOLOGY INFRASTRUCTURE

AGI's technology infrastructure continues to grow to service the demands of the Institute's ongoing projects. AGI utilizes a server farm of 11 Linux and 4 Windows servers. The internal network backbone was fully migrated to Gigabit ethernet and desktops continue to be upgraded as needed. All business technology is of current vintage and security levels. Additionally, AGI maintains hardware firewalls as well as enterprise-class anti-virus and anti-spam software.

### **AGI Facilitates Transfer of Offshore West Coast Data to the USGS**

In December 2004, AGI signed agreements with both Chevron and the U.S. Geological Survey which facilitates the transfer of proprietary reflection seismic data for the offshore U.S. West Coast to the public domain, and to be hosted by the U.S. Geological Survey. The data being transferred covers offshore U.S. from San Diego to Washington State, and includes over 500,000 line-miles of reflection seismic data. First physical transfers of the data were executed during 2005.

# 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, host national conferences, sponsor awards and publish reports.

## CURRICULUM PROJECTS AND SUPPORT MATERIALS

In late 2006, AGI premiered K-5 GeoSource ([www.k5geosource.org](http://www.k5geosource.org)), a comprehensive professional development web site with geoscience activities, content and resources for elementary teachers. Supported by funds from the American Geological Institute Foundation, K-5 GeoSource was launched in partnership with Scholastic, Inc. Scholastic worked with AGI to develop two poster teaching resources for grades K-2 and grades 3 - 5 teachers. These posters were distributed to 137,000 teachers across the U.S. via a Scholastic mailing and in the 2006 Earth Science Week Toolkits. In addition to activities, the web site also offers online graduate level courses in partnership with the Illinois Institute of Technology.

AGI distributed over 6,000 copies of the *Why Earth Science?* Brochure, published in both English and Spanish, to schools, colleges, AGI member societies and individuals in 2006. Since the publication was first released in 2004, AGI has distributed over 150,000 copies.

With a \$1 million grant from the National Science Foundation, AGI is developing a high school environmental science textbook for grades 10-12. All of the text's 17 chapters have been written, a number have been revised, and all are being field tested with 20 high school teachers during 2006 - 2007. The textbook will incorporate the *Global GIS* DVD and will be published by Thomson Delmar in early 2009.

*EarthComm*, AGI's inquiry based curriculum for high school, was recommended for adoption in Denver Public Schools, Orange County, FL, and in Chicago Public Schools. The *Investigating Earth Systems* (IES) curriculum, a series of ten inquiry based modules and teacher guides for middle school, was adopted by the state of California, which is a major coup for an NSF-funded, inquiry-based curriculum. AGI worked with the publisher, Its' About Time/Herff Jones, to develop a special edition of IES for California.

In 2006, AGI staff, working in conjunction with external content advisors and field test teachers, revised the NSF-supported middle school curriculum called *Project CUES: Constructing Understanding of Earth Systems*. In each of the four units of CUES, students do several weeks of guided, hands on inquiry that emphasize the connectedness of the Earth systems and the nature of

science. The curriculum will be accompanied by a video component with Earth systems science content.

## TEACHER ENHANCEMENT

In 2006, AGI engaged an external evaluation group to assess the effectiveness of the Chevron-supported teacher enhancement program for *EarthComm* in the Los Angeles Unified School District (LAUSD). A partnership between AGI, It's About Time, LAUSD, and Chevron, this program emphasized teacher professional development through training and mentoring, and student attainment of California standards for earth science, through implementation of *EarthComm's* Earth's Dynamic Geosphere unit. Over the three years of the project, over 660 teachers were trained. The evaluation supported the effectiveness of the teacher training model used, as students whose teachers received training scored higher on the California state science achievement earth science items than those students whose teachers received little or no training.

In 2006, AGI conducted a series of professional development workshops for the Denver Public Schools, Chicago Public Schools, and Clark County grade six teachers, as well as workshops at the National Science Teachers Association conference and the American Association of Petroleum Geologists Conference.

In late February, AGI hosted the 2006 NSF Instructional Materials Developers' conference in Arlington, Virginia. This was the third and final conference supported by a three-year grant for \$567,000 from the National Science Foundation to host the event annually. Over 150 curriculum developers and NSF staff attended the two-day conference, which had the theme of Learning Progressions.

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 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 second year of the study, AGI and TERC staff conducted a month of training in June for middle school teachers in Jacksonville, FL.

## 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 and National Parks Programs.

## EARTH SCIENCE WEEK

The 9th annual Earth Science Week was held from October 8-14, 2006, celebrating the citizen-science theme "Be a Citizen Scientist!" Major partners for the program included the U.S. Geological Survey, NASA, the American Association of Petroleum Geologists Foundation, NOAA, the National Park Service, and the Geological Society of America. These partners provided funding, kit materials, event support, and publicity for Earth Science Week. The first annual International EarthCache Day kicked off the week's events. EarthCache Day was a geocaching event featuring a speaker from The Weather Channel and was co-hosted at the Washington Monument in Washington, D.C. by AGI, GSA, the National Park Service and Groundspeak, Inc. Earth Science Week workshops also were held throughout the week at Baltimore's Maryland Science Center. Television coverage of events in 2006 expanded to three stations nationwide, up from one in the previous year. More than 1,200 people entered event contests, up 155 percent from 2005. In addition, the event website became an increasingly important means of contact with participants, as visitors to the site escalated 22.5 percent for the month of October 2006 from October 2005. Kits remained important, as AGI sent out approximately 16,000 kits, the same as in 2005. In addition to the traditional event poster, the 2006 kit included an activities poster for elementary grades developed in collaboration with Scholastic Inc. and a calendar showcasing geoscience careers, classroom investigations, and important dates for earth science events throughout the school year.

## FACES OF EARTH TELEVISION PROJECT

AGI moved forward in 2006 with a television series on the complexity and interconnectedness of Earth's systems. The four-part series will be broadcast on the Science Channel/Discovery Communications in the U.S. and its territories, and by international broadcasters. AGI is working with Evergreen Films, LLC, their graphics studio (Meteor Productions), the Science Channel and a team of scientists to produce the program. The

***"Americans are blessed to live amid many wonders of nature. We have made remarkable progress over the years in protecting our environment and natural resources, and we must continue to conserve our national heritage through good stewardship. Earth scientists improve our understanding of the world around us and help ensure that our national treasures remain clean, safe, and a source of pride to our citizens."***

President George W. Bush

episodes are scheduled to be delivered to the Science Channel in mid-2007 and aired later in 2007. Educational ancillary materials, complementing AGI's curricula and online programs, will be developed from the television series footage and animations in 2007. AGI will also own the 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 2006 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, has been designed and the content approved. Upon publication, these will be made available to National Parks throughout the U.S.

# GEOSCIENCE WORKFORCE

AGI continues to maintain its popular Careers in Geoscience web site, [www.earthscienceworld.org/careers/](http://www.earthscienceworld.org/careers/). The web site includes profiles and essays on the careers of working geoscientists, statistics and reports on enrollments and employment, frequently asked questions, Geotimes employment listings, and links to other career websites. Since the site was established in 1998, it has averaged more than 7,500 visits per month.

In early 2006, AGI published the 44th 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>.

## ENROLLMENT AND EMPLOYMENT PATTERNS

### ENROLLMENTS AND DEGREES GRANTED

AGI's Geoscience Workforce Department 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. The chart tracks geoscience enrollments from 1955-2006. 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

In 2006, AGI published its second annual report on Introductory Geoscience enrollments. This data includes students enrolled in three categories of courses: physical geoscience-type courses, environmental geoscience, and classes on the geoscience of National Parks or public lands. The 2004-2005 estimated total enrollment in introductory geoscience courses was 403,200. This represents 2.7% of the undergraduate population. When compared to the 2003-2004 data, the 2004-2005 estimates show a 3% increase for the enrollment in Physical

Geology courses and an 18% increase for the enrollment in Environmental Geology courses, but an 18% decrease for the enrollment in National Parks/Public Lands courses.

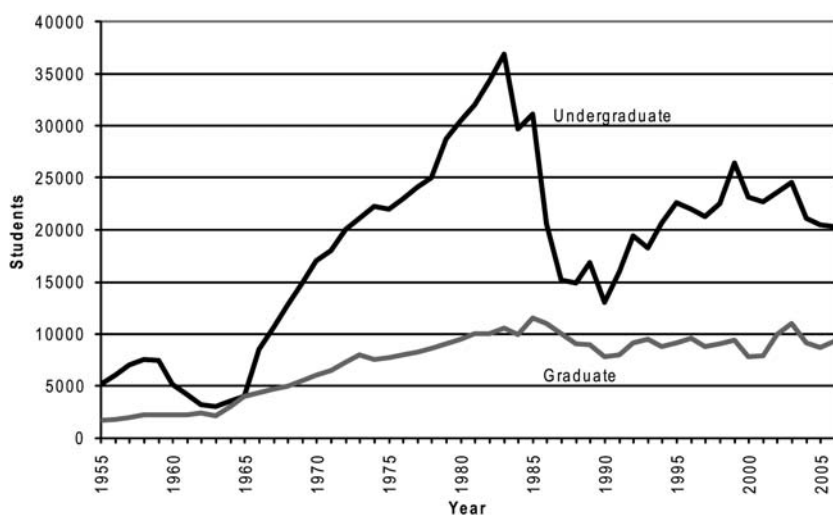
This study will be repeated on a bi-annual basis, with the next survey covering the 2006-2007 academic year.

### 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 seven 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. The most recent report is available at [www.agiweb.org/careers/phdreport03.pdf](http://www.agiweb.org/careers/phdreport03.pdf)

### Geoscience Master's Degrees

In 2003, AGI completed a grant from the Alfred P. Sloan Foundation to conduct a survey to document and assess the status of geoscience master's degree programs in the United States. For nearly all geoscience employment sectors, exclusive of those that are academic and research-oriented (college/university teaching, national laboratories, federal and industrial research), the master's degree is the preferred degree credential for new hires. Given this new-hire degree preference of employers, AGI examined master's-degree programs in the geosciences to provide departments and students with a greater awareness of the degree's significance. This survey was sent to the approximately 450 university departments in the United States that offer a geoscience master's degree, either alone or in combination with other degrees. The survey was designed to distinguish and characterize the many types of master's programs that are currently available, which may include those that are business/industry oriented, preliminary to a PhD, research-oriented (thesis and/or project required), and teaching-oriented.



## U.S. GEOSCIENCE STUDENT ENROLLMENT

Undergraduate and graduate levels, 1955-2006

Undergraduate

Graduate

## 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 program 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 2006, GAP measured 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 engineer-

ing 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: Jessica Rowland (University of Arizona); Tim Donahue (Winona State in Minnesota); and Carrie Donnelly (University of Washington). The American Association of Petroleum Geologists (AAPG) provided support for Jenny Fisher (California Institute of Technology) during the spring semester and Rachel Bleshman (Wesleyan University in Connecticut) 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 November 2006 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.

### RAISING CONGRESSIONAL AWARENESS

In March, more than 80 geoscientists and geo-engineers participated in the eleventh annual Science-Engineering-Technology Congressional Visits Day event, which promotes federal investment in research and the importance of partnerships between federal and state government, academia, and industry. Participants were briefed by congressional and administration leaders before visiting with their representatives and senators.

In June, GAP, in partnership with the American Geophysical Union (AGU) and the Geological Society of America (GSA), sponsored two booths at the Coalition for National Science Funding's Capitol Hill exhibition and reception showcasing research and education projects supported by the National Science Foundation.

In September, more than 25 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, GAP and the Hazards Caucus

Alliance organized briefings on the benefits of mitigation of tornadoes and drought for congressional members and their staff. GAP 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, Steve Quane completed his year on Capitol Hill, where he worked for Representative Tom Udall (D-NM), who sits on the Resources, Small Business and Veterans committees. In September, Allyson Anderson began her term as AGI's 2006-2007 fellow. Anderson is a petrophysicist on a one-year sabbatical from ExxonMobil. She has a Master's and Bachelor's degrees in the geosciences and also worked at the Kansas Geological Survey before joining ExxonMobil. She is working for the Senate Energy and Natural Resources Committee and is a member of the majority staff. The majority chief of staff is Bob Simon and the chair of the committee is Senator Jeff Bingaman (D-NM).



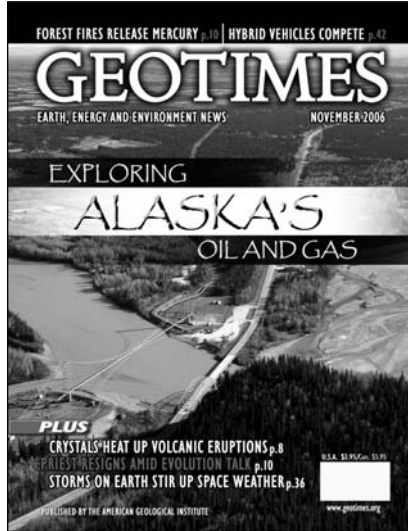
# PUBLICATIONS

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 building public readership and ensuring the viability of the publication.

In 2005 the magazine reached its initial goals for newsstand circulation - meeting industry standard sell-through rates. This accomplishment was reached with increased distribution of the magazine on the newsstands at 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 continue to exceed industry standards.

To broaden the reach of *Geotimes* beyond the geoscience community, AGI has also been sending complimentary copies on a per issue basis to groups in targeted disciplines 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 2007 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.

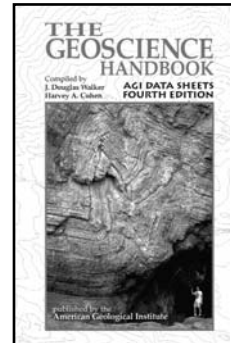
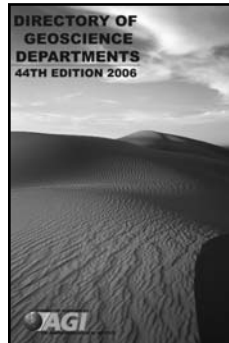
Another valuable tool in measuring response to *Geotimes* is its Web site, which continues to average more than 15,000 unique visitors every month. Visits to the site are fueled by both the classified ads, and more importantly, the weekly news stories unique to the site, prepared by staff and contributing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

In 2006, AGI printed and published *The Geoscience Handbook: AGI Data Sheets 4th Edition* as well as the 9th installment of the Environmental Awareness Series, *Coal and the Environment*, produced in cooperation with the Illinois Basin Consortium, the U.S. Department of Energy, and the Office of Surface Mining with additional support from the AGI Foundation and the U.S. Geological Survey.

The *Global GIS* CD and DVD-ROM continue to sell well as a result of aggressive marketing and site licensing programs. 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.

The success of AGI glossaries, dictionaries, bibliographies and directories has established the Institute as the premier reference publisher for the geosciences.

AGI continues to expand its distribution and marketing efforts for publications. AGI maintained its publications distribution agreements with Amazon.com and Springer 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 established the Environmental Affairs Program in 1998. The program started to take shape in 1993 with the appointment of an Environmental Geoscience Advisory Committee (EGAC) chaired by AGI past-president Philip E. LaMoreaux (LaMoreaux and Associates). The activities of the Environmental Affairs Program are guided by the EGAC which is now co chaired by Phil LaMoreaux and Stephen H. Stow (Oak Ridge National Laboratory). Representatives of AGI's member societies serve on the EGAC along with liaison representatives from selected government agencies, academic institutions, and industry.

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

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

## ENVIRONMENTAL AWARENESS SERIES

The Environmental Affairs Program continued development of the highly successful Environmental Awareness Series. This series promotes 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 well-designed and illustrated publication. Posters are developed that accompany and support the booklets. The posters also include explanatory material and a related student investigation.

Each volume addresses specific and timely environmental topics in clear non technical language. Experts from the ranks of AGI member societies present science-based explanations of environmental concerns and their solutions. Each manuscript is reviewed for completeness and accuracy as well as "readability."

Publishing partners are invited to join in sponsoring and distributing the individual parts of 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 modest price.

The color posters that accompany the Environmental Awareness Series books emphasize the principal themes of the book as well as stewardship. More than 75,000 go to high school and middle school teachers as enclosures in the National Science Teacher Association publications *The Science Teacher* and *Science Scope* and in other publications for teachers and geoscientists. The posters are also used in other AGI and member-society education and public outreach activities, including distribution opportunities associated with the annual Earth Science Week.

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*, and *Soils, Society, and the Environment*.

The most recent installment, *Coal and the Environment* was published in 2006. Publishing partners are the U.S. Department of Energy, the Illinois Basin Consortium, and the Office of Surface Mining. Additional support was provided by the U. S. Geological Survey. This book explains the role of coal in providing for U. S. energy needs, how coal is mined and used, and how environmental concerns associated with coal mining, transport, and combustion are addressed.

Author teams are also working on several additional topics: Earth's changing climate, geology and cities, living with unstable ground, offshore operations and the environment, waste management, 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. Other topics under discussion for inclusion in the series include marine environments, the coast, and power generation and the environment.

#### 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. Nine chapters have been revised in light of teacher review, initial drafts of two chapters are complete, and five chapters remain to be drafted. Prentice Hall initiated a market review in late 2006.



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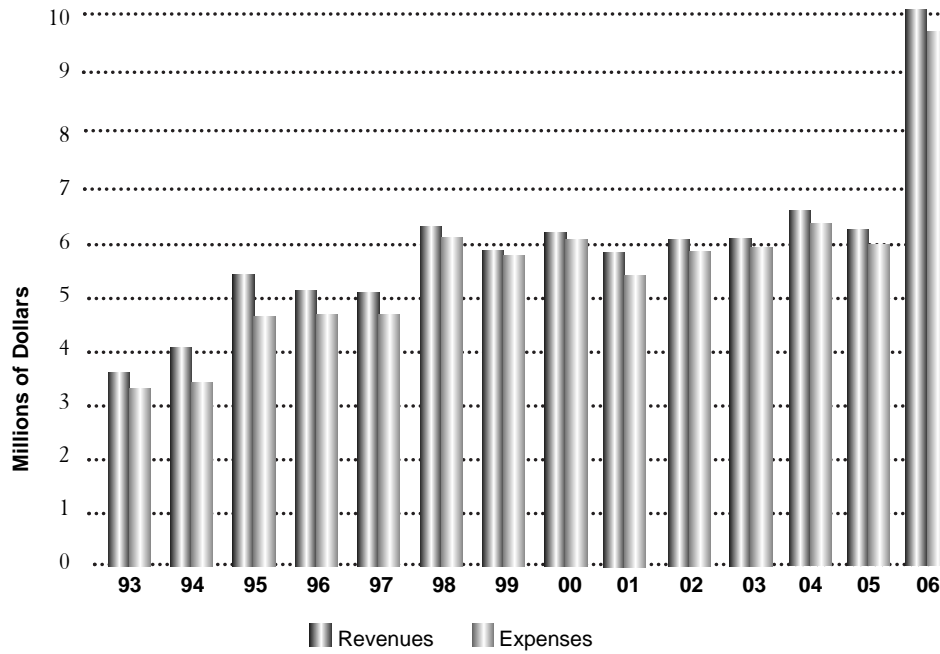
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## Revenues/Expenses



## FINANCIAL SUMMARY

For AGI, 2006 was a year of notable achievement--both in program activities and financial performance. It was highlighted by record revenue of over ten million dollars and a positive bottom line for the fourteenth consecutive year.

A continuous increase in net assets over time is one indicator of financial health. Since 1993, AGI has increased its net assets every year. As of December 31, 2006, 2005 and 2004, the Institute's net assets increased about \$480,000, \$339,000 and \$308,000, respectively. These increases are primarily attributed to market value increases in investments and royalties from GeoRef and educational products.

For the year 2006, total revenues were over \$10.1 million and expenses were nearly \$9.7 million, compared to \$6.3 million and \$6 million, respectively in 2005. The film series project escalated AGI's revenue and expenses for 2006.

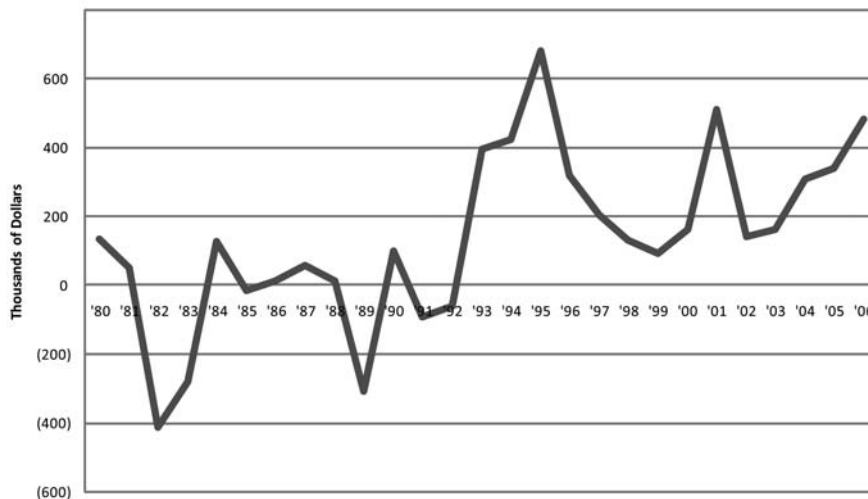
Any successful year is underscored by key revenue streams and third party contributors. GeoRef royalties, AGI's largest component of consistent revenues, continues to be the staple of AGI's viability. And, we cannot forget to mention the AGI Foundation, the fund raising arm for AGI programs. AGIF contributed substantial dollars for several programs in 2006.

For the first four months of 2006, the stock market came out of the gates on an oil slick. At the end of April, AGI's portfolio was up 10%. Change happens--stock values started to decline. In fact, the month of May saw returns drop 50% from the previous four months gain. As for rest of the spring and the first part of summer, it was a continuing decline. Change again--the numbers were more enlightening from September to December. As for the year ended December 31, 2006, AGI's stock fund portfolio returned 13.1%, compared to 9.2% in 2005.

The financial condition of AGI remains very strong. Total liabilities were reduced about \$700,000 from last December's Balance Sheet; current assets exceed current liabilities nearly 2.7-to-1; and net assets are over \$8.5 million, up nearly 6% from December 31, 2005.

The future net activities of AGI will be subject to economic and operational swings, particularly, investments, grant funding, and contributions. A major downturn in any of those revenue streams will have an impact on net activities.

**1980 2006 Annual Net Activities**



# 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, 2006 and 2005, and the related statements of activities, functional expenses, and cash flows for the years then ended. These financial statements are the responsibility of the 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, 2006 and 2005, 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  
February 26, 2007

AMERICAN GEOLOGICAL INSTITUTE

STATEMENTS OF FINANCIAL POSITION  
December 31,

2006

2005

ASSETS

CURRENT ASSETS

Cash and cash equivalents	\$ 922,536	\$ 1,993,107
Marketable securities	1,738,173	1,543,218
Accounts receivable	1,134,589	865,015
Grants and contracts receivable	710,284	209,448
Notes receivable, current portion	34,417	56,661
Prepaid expenses and advances	20,020	29,973
Inventory of publications	47,086	49,615

TOTAL CURRENT ASSETS

\$ 4,607,105      \$ 4,747,037

PROPERTY AND EQUIPMENT, at cost

Building and improvements	\$ 1,901,383	\$ 1,901,383
Furniture and equipment	312,416	312,416

Accumulated depreciation	\$ 2,213,799	\$ 2,213,799
	(1,229,183)	(1,158,001)

Land	\$ 984,616	\$ 1,055,798
	525,032	525,032

TOTAL PROPERTY AND EQUIPMENT, NET

\$ 1,509,648      \$ 1,580,830

OTHER ASSETS

GeoRef database, at appraisal value	\$ 4,500,000	\$ 4,500,000
Notes receivable, net of current portion	11,260	16,533
Loan costs, net of amortization	-	529
Software, net of amortization	3,173	4,824
Mineral displays	13,362	13,362

TOTAL OTHER ASSETS

\$ 4,527,795      \$ 4,535,248

TOTAL ASSETS

\$ 10,644,548      \$ 10,863,115

The accompanying independent auditor's report and notes are an integral part of the financial statements. The full report is on file at AGI headquarters.

	2006	2005
<b>LIABILITIES</b>		
<b>CURRENT LIABILITIES</b>		
Accounts payable and accrued expenses	\$ 669,315	\$ 427,114
Advance subscription and project income	536,798	1,329,189
Notes payable, current portion	91,706	602,023
Accrued vacation	146,365	127,024
Pledges payable	-	380
Due to American Geological Institute Foundation	292,002	300,000
<b>TOTAL CURRENT LIABILITIES</b>	<b>\$ 1,736,186</b>	<b>\$ 2,785,730</b>
<b>LONG-TERM LIABILITIES</b>		
Notes payable, net of current portion	\$ 351,266	\$ -
<b>TOTAL LIABILITIES</b>	<b>\$ 2,087,452</b>	<b>\$ 2,785,730</b>
<b>NET ASSETS</b>		
Unrestricted	\$ 8,487,877	\$ 8,004,931
Temporarily restricted	69,219	72,454
<b>TOTAL NET ASSETS</b>	<b>\$ 8,557,096</b>	<b>\$ 8,077,385</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$ 10,644,548</b>	<b>\$ 10,863,115</b>

AMERICAN GEOLOGICAL INSTITUTE

STATEMENTS OF ACTIVITIES  
for the years ended December 31,

2006

2005

	Unrestricted	Temporarily Restricted	Total	Total
REVENUE				
Advertising	\$ 257,909	\$ -	\$ 257,909	\$ 295,962
Dues	134,678	-	134,678	135,075
Grants, contracts, and services	5,295,770	-	5,295,770	1,730,959
Contributions	137,095	19,335	156,430	232,097
Publication sales	252,661	-	252,661	287,445
Subscription income	281,708	-	281,708	400,585
Royalties	3,466,693	-	3,466,693	3,002,636
List rentals	2,773	-	2,773	3,110
Interest and investment income (loss)	237,818	-	237,818	150,507
Other	50,617	-	50,617	53,461
Net assets released from restrictions:				
Satisfaction of program requirements	22,570	(22,570)	-	-
<b>TOTAL REVENUE</b>	<b>\$ 10,140,292</b>	<b>\$ (3,235)</b>	<b>\$ 10,137,057</b>	<b>\$ 6,291,837</b>
EXPENSES				
Grants and contracts	\$ 5,133,002	\$ -	\$ 5,133,002	\$ 1,582,606
GeoRef department	1,619,368	-	1,619,368	1,535,026
Education and special programs	322,243	-	322,243	199,537
Outreach and Tech departments	19,528	-	19,528	39,418
Geotimes	558,291	-	558,291	543,225
Publications	212,651	-	212,651	255,513
General and administrative	1,792,263	-	1,792,263	1,797,821
<b>TOTAL EXPENSES</b>	<b>\$ 9,657,346</b>	<b>\$ -</b>	<b>\$ 9,657,346</b>	<b>\$ 5,953,146</b>
<b>INCREASE IN NET ASSETS</b>	<b>\$ 482,946</b>	<b>\$ (3,235)</b>	<b>\$ 479,711</b>	<b>\$ 338,691</b>
NET ASSETS, beginning of year	8,004,931	72,454	8,077,385	7,738,694
NET ASSETS, end of year	<u>\$ 8,487,877</u>	<u>\$ 69,219</u>	<u>\$ 8,557,096</u>	<u>\$ 8,077,385</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 \$8 million and continues to raise funds in support of the following programs.



**Russell G. Slayback**



**Jan F. van Sant**

## K-12 EDUCATION

The Foundation provides major support for two national curriculum programs, *Investigating Earth's Systems* (grades 5-8) and *Earth System Science in the Community* (EarthComm - 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, Florida. 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

Congressional Geoscience Fellowships increases 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.

## ENVIRONMENTAL AWARENESS

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. In 2006, AGI published *Coal and the Environment* as part of the series. Additional books in the series are planned.

## PHILANTHROPY

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

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

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# 2006 LEGENDARY GEOSCIENTIST

## Robert J. Weimer



Robert J. Weimer was presented with the 2006 Legendary Geoscientist Award, supported by the AGI Foundation. Established in 1999, the award is presented to a geoscientist who has demonstrated a long history of scientific achievement and exceptional service to the geoscience profession.

Weimer received both his B.A. (1948) and M.A. (1949) in geology from the University of Wyoming. He then received

his Ph.D. in 1953 in geology from Stanford University. Weimer began his career at Union Oil in Utah in 1949 and became a consulting geologist in 1954. In 1957 he joined the faculty of Colorado School of Mines. He continues on as a Professor Emeritus at the Colorado School of Mines. Dr. Weimer has been influential to many students who went on to productive careers in petroleum and other industries.

Dr. Weimer has been extremely active in the geoscience community. He has served as an officer for the American Association of Petroleum Geologists, the Geological Society of America, the Rocky Mountain Association of Geologists and the Society for Sedimentary Geology (SEPM). He has also authored or co-authored over 200 publications. In addition, he has been active throughout his career in public affairs as an advisor for local, state and federal agencies and for the judicial system.

His long and distinguished career includes many awards. Among them are the University of Wyoming's Distinguished Alumnus (1982), the SEPM Twenhofel Medal (1995), AAPG's Sidney Powers Medal (1983), and Distinguished Educator Award (1996), The Hollis D. Hedberg Award in Energy from the Institute for the Study of Earth and Man at Southern Methodist University (2001) and GSA's Sloss Award (2003). He is also an Honorary Member of both AAPG and SEPM.

## Scholarships and Awards

### 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 financial awards (\$250 to \$1,000) and the opportunity to interact with a mentor from the geoscience community within our AGI MPP Advisory Committee. For the 2006-2007 academic year, AGI distributed Minority Geoscience Scholarships to 7 undergraduates and 11 graduate students. The 2006-2007 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

### GRADUATE STUDENTS

Antony Berthelote, University of Montana-Missoula  
Jessica Black, University of Colorado  
Anthony Didlake, University of Washington  
Michael Martinez, University of South Florida Tampa Campus  
Christyanne Melendez, Northern Arizona University  
Dominike Merle-Johnson, University of Missouri-Columbia  
Sergio Restrepo, University of Florida  
Jolene Robin-McCaskill, Stanford University  
Celina Suarez, University of Kansas  
Marina Suarez, University of Kansas  
Roberto Velarde, University of Texas El Paso

### UNDERGRADUATE STUDENTS

Rebecca Garcia, New Mexico State University  
Michelle James, East Carolina University  
Amanda Lopez, CSU-San Bernadino  
Charles Plummer, College of William and Mary  
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AMERICAN GEOPHYSICAL UNION (AGU)  
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AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS (AIPG)  
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