AGI MEMBER SOCIETY COUNCIL MEETING
Monday, April 7, 2014
Lanier Grand Ballroom J, Hilton Americas Hotel, 1600 Lamar Street, Houston, Texas

AGENDA

Hot Breakfast Will Be Available at 7:30 a.m.

8:00 a.m.	1.	**Call to Order**	Nick Tew
	2.	**Approval of Agenda**	Nick Tew
	3.	**Approval of Joint AGI/GSA Societies Meeting Minutes** October 28, 2013, Meeting in Denver	Dorian Kuper
	4.	**2014 Nominations**	
	4.1	Nominating Committee Report	Sharon Mosher
	4.2	Ian Campbell Report	Pat Leahy
	4.3	Call for 2015 Nominations	Sharon Mosher
	5.	**Report of AGI Treasurer**	Rick Lambert
	6.	**American Geosciences Institute Update**	Pat Leahy
8:30 a.m.	7.	**EarthCube**	Lee Allison
	8.	**Center for Geoscience Education & Public Understanding**	Pat Leahy
9:45 a.m.		BREAK	
10:00 a.m.	9.	**Critical Issues Programs**	Maeve Boland
	10.	**Open Access Update**	Sharon Tahirkheli
	11.	**Ethics in the Geosciences**	Maeve Boland
10:50 a.m.	12.	**Next Meeting** October 20, 2014, in Vancouver, BC (GSA 2014)	
11:00 a.m.	13.	**Wrap up and Adjourn**	Nick Tew

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AGI MEMBER SOCIETY COUNCIL MEETING REPRESENTATIVES – April 7, 2014 (* is Alternate)

AGI Member Societies

AASP - The Palynological Society	Fredrick J. Rich
American Association of Petroleum Geologists	Laura C. Zahm
American Geophysical Union	Melanie D. Harrison
American Institute of Hydrology	Neven Kresic
American Institute of Professional Geologists	William J. Siok
American Rock Mechanics Association	Peter Smeallie
Association for the Sciences of Limnology and Oceanography	Adrienne Froelich Sponberg
Association for Women Geoscientists	Sara Welna
Association of American Geographers	Douglas Richardson
Association of American State Geologists	John G. Parrish *
Association of Earth Science Editors	John R. Keith
Association of Environmental and Engineering Geologists	Becky Roland
The Clay Minerals Society	Debora Berti
Council on Undergraduate Research, Geosciences Division	Patricia L. Manley
Environmental and Engineering Geophysical Society	Catherine Skokan
Friends of Mineralogy	Nelson R. Shaffer
The Geochemical Society	Richard W. Carlson
Geo-Institute of ASCE	Roman D. Hryciw
Geological Association of Canada	Richard Wardle
Geological Society of America	John W. Hess *
The Geological Society of London	Edmund Nickless
Geoscience Information Society	Jan Heagy *
History of Earth Sciences Society	Warren A. Dym
International Association of Hydrogeologists/U.S. National Chapter	Leonard F. Konikow
International Medical Geology Association	Robert B. Finkelman
Karst Waters Institute	Harvey R. DuChene
Mineralogical Society of America	J. Alexander Speer
National Association of Black Geoscientists	Michael J. Carroll
National Association of Geoscience Teachers	Bruce Herbert *
National Association of State Boards of Geology	Darrel W. Schmitz *
National Cave and Karst Research Institute	George Veni
National Earth Science Teachers Association	Patricia H. Reiff *
National Speleological Society	David Decker
North American Commission on Stratigraphic Nomenclature	Norman P. Lasca Jr.
Paleobotanical Section of the Botanical Society of America	Robert A. Gastaldo
Paleontological Research Institution	Elizabeth Brando
Paleontological Society	Sandra Carlson
Petroleum History Institute	William R. Brice
Seismological Society of America	Susan B. Newman
SEPM (Society for Sedimentary Geology)	Howard E. Harper Jr.
Society for Mining, Metallurgy, and Exploration	Jonathan G. Price
The Society for Organic Petrology	Prasanta K. Mukhopadhyay
Society of Economic Geologists	Brian G. Hoal
Society of Exploration Geophysicists	Don Steeples *
Society of Independent Professional Earth Scientists	C. Al Taylor Jr.
Society of Mineral Museum Professionals	Penny Williamson
Society of Vertebrate Paleontology	Ted J. Vlamis
Soil Science Society of America	Larry P. Wilding *
U.S. Permafrost Association	Julie Brigham-Grette
Council Chair and AGI President	Berry (Nick) H. Tew Jr.
AGI Past Presidents	Sharon Mosher and Wayne Pennington

International Associate Societies

Canadian Federation of Earth Sciences	Elisabeth C. Kosters
Geological Survey of South Africa	Aberra Mogessie
YES Network	Wang Meng

Liaisons

Australian Institute of Geoscientists	Andrew Waltho
Board on Earth Sciences and Resources of the National Academies	Elizabeth A. Eide
Consortium for Ocean Leadership	David Divins
Energistics	Randy W. Clark
U.S. Geological Survey	Barbara Wainman

AGI Executive Committee

President Berry (Nick) H. Tew Jr.; President Elect Eric M. Riggs; Secretary Dorian E. Kuper; Treasurer Richard J. Lambert; Members at Large Katharine Lee Avary, Jacqueline E. Huntoon, and John Parrish; Past President Sharon Mosher; Chair of AGI Foundation Richard M. Powers; and AGI Executive Director P. Patrick Leahy

MINUTES
JOINT AGI/GSA SOCIETIES MEETING

Monday, October 28, 2013

Centennial Ballroom A, Hyatt Regency Hotel, Denver, Colorado

Present

Associated Societies	
American Geophysical Union	Melanie D. Harrison, Chris McEntee and Billy Williams
American Institute of Professional Geologists	Ronald Wallace and William Siok
Association for Women Geoscientists	Denise Cox
Association of American State Geologists	John Parrish
Association of Earth Science Editors	Carole L. Ziegler
Association of Environmental & Engineering Geologists	Becky Roland
Board on Earth Sciences and Resources	Elizabeth Eide
Chinese Academy of Geological Sciences	Shuwen Dong
Colorado Scientific Society	Lisa Fisher and Thom Fisher
Council on Undergraduate Research, Geosciences Division	Lee Phillips
Environmental and Engineering Geophysical Society	Cathy Skokan and Bruce Smith
Geochemical Society	Seth Davis
Geo-Institute of ASCE	Roman Hryciw
Geologica Belgica	Philippe Claeys
Geological Association of Canada	Richard Wardle
Geological Society of London	Edmund Nickless
Geological Society of South Africa	Jeannette McGill
Geoscience Information Society	Amanda Bielskas
International Association of Geoscience Diversity	Kathleen Nicoll
International Association of Hydrogeologists/U.S. National Chapter	Andy Manning
International Medical Geology Association	Robert B. Finkelman
Karst Waters Institute	Harvey DuChene
Mineralogical Society of America	J. Alex Speer
The Mineralogical Society of Great Brittan and Ireland	Kevin Murphy
National Association of Geoscience Teachers	Aida Awad, Cathy Manduca, and James D. Myers
National Association of State Boards of Geology	Richard Spruill
National Earth Science Teachers Association	Michael Passow
National Ground Water Association	Rachel Geddes
North American Commission on Stratigraphic Nomenclature	Norman P. Lasca Jr.
Paleontological Society	Sandy Carlson
Seismological Society of America	Susan Newman
SEPM - Society for Sedimentary Geology	Howard Harper
Society for Mining, Metallurgy, and Exploration	Jonathan Price and Sharon Schonhaut
The Society for Organic Petrology	Peter Warwick
Society for the Preservation of Natural History Collections	Ann Molineux
Society of Economic Geologists	Brian G. Hoal
Society of Exploration Geophysicists	Rhonda Jacobs
Society of Independent Professional Earth Scientists	George Carlstrom
Soil Science Society of America	Jan Hopmans
Western Interior Paleontological Society	Malcolm W. Bedell Jr. and Paul Belanger
Guests	
AGI Past President	G. Warfield Hobbs IV
AGI Foundation	William N. Barkhouse
International Union of Geological Sciences	Roland Oberhaensli
Speakers	Katy Human and Charles Knobloch
American Geosciences Institute	
AGI Executive Committee	Jackie Huntoon, Dorian Kuper, Michael D. Lawless, P. Patrick Leahy, Wayne D. Pennington, Richard M. Powers, Sharon Mosher, John Parrish (also AASG), Berry (Nick) H. Tew Jr.
AGI Officers Elect	Lee Avary, Richard Lambert, and Eric Riggs

AGI STAFF	Ann E. Benbow, Maeve A. Boland, Leila Gonzales, Travis L. Hudson, Christopher M. Keane, Maureen Moses, Walter Sisson, Leigh Sutherland, Sharon N. Tahirkheli
Geological Society of America	
GSA Executive Committee Members	Hap McSween
GSA STAFF	Jack Hess and Wesley Hill

1. **Joint Meeting Call to Order**
   Mosher and McSween called the meeting to order at 8:02 a.m.

2. **Approval of Agenda**
   The agenda was amended to insert a short report from IUGS after item 7 and then approved as amended.

3. **Approval of AGI Council Minutes of May 20, 2013**
   A motion was made to approve the minutes from the AGI Member Society Council meeting in Pittsburgh on May 20, 2013. The motion was seconded and unanimously approved.

4. **Call for 2014 AGI Nominations**
   Pennington pointed out the page that called for nominations for AGI officer positions and awards in the meeting handout and asked Member Societies to participate. He added that submitting complete nominations eases the work of the Nominating Committee in making selections.

5. **Welcome to AGI Member Societies**
   Mosher welcomed everyone, spoke about AGI's Center for Geoscience Education and Public Understanding, and mentioned AGI's “I am a Geoscientist” pin outreach campaign.

6. **Welcome to GSA Associated Societies**
   McSween welcomed GSA’s associated societies, named the six new associated societies and gave them a special welcome.

7. **Academic Program Classification Report**
   Pennington reported that several Member Societies had requested AGI review the problem of accreditation in the geosciences. It turns out not to be an accreditation issue but rather a need to identify what skills programs provide. Classification was initially pursued as an answer. Now the push is to student-based badging. The committee of 25 will finish its work soon and produce a report. One outcome may be a new committee formed to look at competency ratings with findings.

IUGS Report

Oberhaensli, president of the International Union of Geological Sciences or IUGS, reported that his organization works to represent all geoscientists and establish geological standards. The geosciences have been downgraded by UNESCO and are in strong need of a united voice. The International Council for Science or ICSU (formerly the International

Council for Scientific Unions) is funding a Future Earth program which focuses on climate research and social sciences but not enough on earth resources. The support of national organizations is needed to increase funding for the geosciences. He was questioned about European K-12 Earth science education. He responded that IUGS is working to educate even younger students about Earth sciences as well as reach out to those going into public administration. One problem is that Europe does not have a continent-wide Earth science education system.

8. **Status of Earth Science Education in the U.S.**
Benbow reported the Center has launched its web site and that the Center is designed to be a service to the general public. Its components include education resources, outreach resources, reports and data, critical issues program, conferences, news and events, and career resources. Recently a report on Trends in U.S. Education was issued; it is an update and expansion of the report which was previously done in 2004 and 2007. The release this year was timed with the April 2013 release of the new science standards and is available for download from the Center web site <http://geocntr.org/>. She spoke of several report findings. One audience member commented the report was very good and that some schools are getting around the lack of an AP course by working directly with colleges.

9. **GSA Strategic Updates**
McSween spoke that Geological Society of America was created to better earth science. GSA recently completed an update of their Strategic Plan with goals of better communicating what natural science means to policy makers, expanding the diversity in the geosciences, getting more private sector involvement in GSA, providing mentoring to college students and professional development for teachers. GSA is considering hosting an associates meeting at EGU in Vienna in the future but the next spring meeting of the associates will be March 15-16 in Boulder.

10. **GSA 125th Anniversary Wrap up**
Mosher reported that being chair for GSA's 125th celebration has been an amazing experience and a pleasure working with everyone. Highlights included a trip to Antarctica with 100 people to view incredible geology; participation in other meetings, such as AGU and GeoMed; two trips with GSL in Scotland; and several books about how geology has changed. This GSA meeting is the culmination with many student presentations and tomorrow night's black-tie gala.

11. **Leadership Forum Follow-up**
Leahy reported the September 16 AGI Leadership Forum had twenty societies participating. He mentioned this year is also the 50th anniversary of AIPG. He also wanted the AGI Member Societies to be aware that the Geological Association of Canada has requested Member Society status with AGI and AGI's Executive Committee approved this request at yesterday's meeting and they will soon be getting an email asking for their e-vote approval of this.

Boland reported on the Leadership Forum and its speakers. The theme was Ethics in the Geosciences and one result of the meeting was a Consensus Statement on Ethics in the Geosciences. It is not an AGI document although AGI is among the signatories. It has been sent out to all AGI Member Societies, resulting in seven that have signed on.

12. **Intellectual Property**

Knobloch, a Houston patent attorney, geologist, and current chair of the Texas Board of Professional Geoscientists, reported intellectual property is mainly thought of as patents but it includes other forms, such as trademarks, copyrights, and trade secrets. Making public or offering to sell an idea, technique, or item can destroy the ability to patent it. There is only one subclass for Geophysics out of the 638 international patent classes and only 27 geoscience patents issued in the computing artificial intelligence area over the last 25 years. The U.S. Patent Office typically issues 3,500 patents every week. The geoscience community needs to improve intellectual property skills within the profession by making graduates aware of its importance and how best to protect intellectual property; something societies can provide a helping hand with.

Passow asked about creating patentable activities. Knobloch responded that teaching methodology goes under business processes with some patentable and some not. One step is to determine what is unique followed by a patent search; whether patentable or not, it may be better to also seek protection to certify, trademark or copyright your work.

Newman asked about educating the patent office that something is not unique. Knobloch responded that once a patent is issued, it is presumed valid and until found invalid by the court. To invalidate a patent is costly, making them valuable to get.

A question was raised about creative commons. Knobloch responded that those using creative commons are volunteering to release their rights to the public under the creative commons terms they choose. This led to a comment about authors being able to recapture rights they once long ago gave to others. This area is particularly important to professional organizations planning to "open access" their old publications on the internet and the need for organizations to have their assets and plans reviewed. This led to another question raised about different copyrights for different countries. Knobloch emphasized the need for organizations to do due diligence on reach into both domestic and international markets, especially in light of putting papers and works for internet ordering or download or where the original authors and works come from other countries.

A last question on patents and publishing scientific papers: when asked whether publishing a technique meant someone could patent it, Knobloch responded that in U.S. there is a special grace period for one year from the time the inventor first discloses to give the inventor time to prepare a patent application. Once published, others who had the idea cannot patent. Most countries have no grace period, even for the inventor. Some organizations make their work public so it cannot be patented by others in the future.

13. **Science in the Media**

Human, the communications director for CIRES and a Stanford University PhD graduate in ecology, gave some of her history in science communications for the past 17 years. There is still great science reporting online, and she gave several examples. Sometimes it is easier to get a story into the online version rather than the print version of a publication. She noted there are no longer as much science reporting on television but that weather broadcasters can be a good source to send your information. There are also many science social media sites and several collaborator websites. When societies highlight awards, there should be science included.

All media work should consider the audience and goals. Where to place stories will depend on what audience is to be reached and why. She gave an example of how slanting a

story to produce human interest increases the chance of it being picked. News to children should be sent to the newspapers' kids papers or media targeting kids. Determine what category your news belongs to; this can include the categories of new, important, innovative, quirky, hot, and visual (include good pictures). Make sure it is well written, uses plain language, and proofed to verify the science. Consider the questions the story raises and have answers prepared. Experiment by trying something new and tracking the results. Use a diverse approached by including quotes or adding video or visuals. Collaborate, be available to talk to the media, and consider hiring someone as it takes time to reach the media and research who to reach out to.

McSween said scientists may be shy about promoting their research but societies can take up that slack. Human responded that sometimes it is picking the right reporter who can draw out a scientist as well as continuing to interview practice. There could be guidelines for how to answer questions to the media that societies can give to their members or maybe training sessions. One comment was that scientists should talk to the public, especially community organizations, instead of just other scientists. Another felt that good science seems to be overwhelmed by the bad science being pushed. Human said to keep in mind is that erroneous beliefs are held by only a small percentage, but they are a loud group. Another question was how to avoid being steamrolled by university sales offices so the data is not over sold. Human responded that media knows what can resonate with their audience and the exaggeration could be deliberate.

14. **Open Discussion**

There were no other discussion items.

15. **Next Meetings**

AGI's next Council meeting was announced as April 7, 2014, at AAPG in Houston, Texas, and GSA's next meeting was announced as March 15-16, 2014, in Boulder, Colorado.

16. **Wrap up and Adjourn**

The meeting ended at 11:02 p.m.

Dorian Kuper	P. Patrick Leahy
AGI Secretary	AGI Executive Director

american geosciences institute

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Geological Survey of Alabama

PRESIDENT-ELECT
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Texas A&M University

PAST PRESIDENT
Sharon Mosher
Jackson School of Geosciences

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TREASURER
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MEMBER AT LARGE
Katharine Lee Avary
Consulting Geologist, WV

MEMBER AT LARGE
Jacqueline E. Huntoon
Michigan Technological University

MEMBER AT LARGE
John G. Parrish
California Geological Survey

AGI FOUNDATION
Richard M. Powers
Consultant

EXECUTIVE DIRECTOR
P. Patrick Leahy

April 6, 2014

TO: AGI Executive Committee and Member Society Council

FROM: AGI 2014 Ian Campbell Nominating Committee
Harvey Thorleifson, Chair and AASG Representative
Suzanne Mahlburg Kay, GSA Representative
Lee Krystinik, AAPG Representative
Matthew B. Morris, AEG Representative
J. Alexander Speer, MSA Representative

RE: 2014 Ian Campbell Nominating Committee Report

The AGI Medal in Memory of Ian Campbell for Superlative Service to the Geosciences is AGI's highest award, given in recognition of singular performance in and contributions to the profession of geology. Campbell was a man of remarkable accomplishment and widespread influence. He was a geologist, educator, administrator, and public servant. The 2014 candidate nominated by the committee is James F. Davis for his dedication to maximizing the role that geoscience plays in bringing benefits to society.

Dr. Davis has made tremendous contributions to optimizing the role that geoscience plays in society, over a five-decade career in capacities such as State Geologist of New York, State Geologist of California, President of the Association of American State Geologists, President of AGI, and recent positions such as Chair of the Geology and Society Division of GSA and a very active member of the GSA Geology and Public Policy Committee. He has been an influential innovator in the field of mitigating earthquake hazards. In California, he implemented a program of detailed fault-hazard mapping and made sure that zoning based on these maps was implemented at the local level with the force of State law. He also established a statewide program of landslide- and liquefaction-hazard mapping and oversaw a program for improving seismic safety in public schools and hospitals. Concurrently, his work with natural hazard experts from the social sciences improved links between geoscientists, emergency managers, and decision makers.

His educational background includes a BA in Geology (1953) from the University of Virginia, a MS in Economic Geology (1956) from the University of Wisconsin and a Ph.D. in Economic Geology (1965), also from the University of Wisconsin. He began his service career as an Associate Scientist at the New York State Geological Survey in 1963. Five years later, he was appointed State Geologist of New York, a position he held for ten years (1968 – 1978); there he demonstrated the importance of geology and seismology as critical fields in the siting of nuclear power plants and associated waste disposal facilities. In 1978, he moved to become California State Geologist, where he served for 25 years (1978-2003). Under his leadership, the then California Division of Mines and Geology greatly expanded its scope of programs from regional mapping and mining and mineral resources, into the complex fields of geological hazards, earthquake engineering and strong motion seismology, and quantitative seismic hazards assessments.

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California Geological Survey

AGI FOUNDATION
Richard M. Powers
Consultant

EXECUTIVE DIRECTOR
P. Patrick Leahy

April 6, 2014

TO: AGI Executive Committee and Member Society Council

FROM: AGI 2014 Nominating Committee
Wayne D. Pennington, Chair & AGI Past President Once Removed
Don W. Steeples, Society of Exploration Geophysicists Representative
C. Al Taylor Jr., SIPES Representative
Barbara J. Tewksbury, NAGT Representative
Sharon Mosher, AGI Current Past President

RE: Nominations for AGI 2014 Awards and 2015 Officers

The AGI 2014 Nominating Committee unanimously recommends the following:

AGI 2015 Officers

President-Elect — **Scott W. Tinker**, State Geologist, Bureau Economic Geology, Texas
He had 17 years in the oil and gas industry prior to joining UT-Austin in 2000. He was also past President of AAPG (2008-2009) and AASG (2006-2007). He also received AGI's 2013 Public Understanding Award for his energy documentary *Switch*.

Secretary — **William J. Siok**, Executive Director, AIPG, Colorado
As AIPG Executive Director he has organized, run and maintained records of Executive Committee and Advisory Board meetings as well as conducted focused and productive meetings.

Member-at-Large — **Paul M. Bertsch**, University of Kentucky, Kentucky
His well rounded service includes the CMS Board, the Committee for Earth Resources at the NAS, two terms as chair of the U.S. National Committee for Soil Science as well as SSSA President.

AGI 2014 Awards

William B. Heroy Jr. Award for Distinguished Service to AGI
American Association of Petroleum Geologists is being recognized for its multifaceted service to AGI, with its support of Earth Science Week, AGI's K-5 initiative, sponsoring AGI's Spring and Fall interns, providing committee members, assisting in complete coverage of AAPG publications in GeoRef, and more.

AGI Award for Outstanding Contribution to Public Understanding of the Geosciences
David R. Wunsch, State Geologist, Delaware Geological Survey, is being recognized for his prior duties with the New Hampshire Geological Survey where for ten years he served to educate the public of the importance and fragility of New Hampshire's agricultural, groundwater, and mineral resources and about ways in which to protect them.

CALL FOR 2015 NOMINATIONS

AGI OFFICERS AND AWARDS

Each year AGI sends out a call to its Member Societies for nominations for AGI Officers and Awards. Nominees will be reviewed and screened by the AGI Nominating Committees and passed on to the AGI Executive Committee and Member Society Council for final approval at the May 31 and June 1, 2015, meetings in Denver, Colorado. The nature and criteria for selection of candidates to be considered for officers and awards is outlined below. **The deadline for submitting nomination forms and supporting bio/backup material on candidates to AGI is February 1, 2015.** Nomination forms are available on the AGI web site to download. While nominations are requested from Member Society Representatives, nominations can be made by individual members of any Member Society. Nominations can also be submitted online by visiting the website: **<http:// http://www.americangeosciences.org/awards>** and clicking on "Call for Nominations" at the bottom of the page.

AGI is seeking nominations for the following Executive Committee positions and awards:

AGI 2016 Executive Committee Positions

President Elect	(3-years –President Elect, President, and Past President)
Treasurer	(2-year commitment)
Member at Large	(3-year commitment)

AGI 2015 Awards

Medal in Memory of Ian Campbell for Superlative Service to the Geosciences

The Ian Campbell Medal is given in recognition of singular performance in and contribution to the profession of geology. Candidates are measured against the distinguished career of Ian Campbell, whose service to the profession touched virtually every facet of the geosciences. Campbell was a most uncommon man of remarkable accomplishment and widespread influence. In his career as a geologist, educator, administrator, and public servant, he was noted for his candor and integrity.

Marcus Milling Legendary Geoscientist Medal

This is given in recognition of (1) consistent contributions of high-quality scientific achievements and service to the Earth sciences having lasting, historic value, (2) recognized previously for accomplishments in field(s) of expertise by professional societies, universities, or other organizations, (3) senior scientist nearing completion or has completed full-time "regular" employment, and (4) living at time of selection and expected to personally accept the award. This award was established in 1999 as the Legendary Geoscientist Award but renamed in 2007 to honor past AGI Executive Director.

Outstanding Contribution to the Public Understanding of the Geosciences

This award is given for a contribution or contributions that lead to greater public appreciation and better understanding of the role of geosciences in the affairs of our society. It will normally be given to one recipient per year. The award is presented to a person, organization, or institution in recognition of an outstanding contribution to the public understanding of geology. The contribution may be in geoscience as a science or as it relates to economic or environmental aspects of modern civilization. The award may be given to a geoscientist or non-geoscientist, or to an organization or an institution that is geoscience or non-geoscience in character. This award was renamed from "AGI Award for Outstanding Contribution to Public Understanding of Geology" in 1999.

To: **AGI Member Society Council**

From: **Walt Sisson**

Re: **AGI Financial Report**

Date: **March 21, 2014**

Operating Results

FY 2013 - For the fiscal year ending September 30, 2013 AGI revenue was $6,072,638 and expenses were $5,977,988 resulting in a YTD surplus of $94,650.

Comparing actual results to the FY13 budget, both revenue and expenses were slightly lower than projected.

FY 2014 - For the three months ending December 31, 2013 AGI revenue was $2,012,090 and expenses were $1,542,046 for a surplus of $470,043. Revenue is slightly higher than projected as investment income was $97,000 over budget. Expenses were slightly under budget.

Operating Cash

AGI had $673,111 in cash the end of December.

Investments

The Towneley investment funds performed very well in the last three months of the year.

- Reserve Fund – the account balance at December 31 is $3,195,695. We had unrealized gains of $105,000 and interest income of almost $39,000 in the three months ending 12/31.
- Operating Fund – account balance at December 31 is $501,622. We had unrealized gains of $1,672 and interest income of $1,046.

All funds have been invested by Towneley according to our policy; the reserve fund was invested 61% in equities, 34.3% in fixed income and 4.7% in commodities.

Accounts Receivable

AGI has an accounts receivable balance of $1,633,454 at December 31. Of this amount $1,287,000 is related to royalty income receivable.

Other

AGI has converted its monthly payroll processing to an online timesheet system. Staff report their time semi-monthly and timesheets are approved by supervisors online. Our vendor, ADP, has also assumed responsibility for all payroll tax reporting for AGI.

Executive Director's Report

P. Patrick Leahy

AGI is searching for a new Director of Education and Outreach. Ann Benbow, after serving AGI for ten years, has moved on to become the Executive Director of the Archeological Institute of America in Boston. AGI has formed a search committee to evaluate and interview candidates for the position. The selection is expected to be made in April.

AGI is moving its banking operations from United Bank to Bank of America to take advantage of some cost savings and to gain a service advantage, in particular allowing online bill pay with AGI approval. Due to the high volume of electronic transactions, this process will take several months.

AGI's phone system is being upgraded to a modern, cloud-based solution and is expected to be in place by the end of April. This system includes call forwarding to multiple locations; access to voice mail via an email account; Direct Interval Dial (DID) lines to allow separate phone numbers; and system management via the web.

In February the investment portfolio increased in value by over $103,000 and is up over $49,000 in 2014. AGI's Finance Committee will meet in conjunction with the AAPG meeting for a presentation by our investment firm.

AGI added dental and vision care benefits for employees on March 1. Twenty-five people signed up for this benefit. The AGI Member Society Council meeting will be held at the AAPG Convention in April. Several topics will be discussed including status of EarthCube, ethics in the geosciences, and open access. The AGI Executive Committee met in February in conjunction with the SME annual convention. Interactions with the leadership of SME were very positive and we are hopeful greater collaboration between the societies will be enhanced.

Center for Geoscience Education and Public Understanding Activities

AGI is working with the AGI Foundation to raise funds for the new Center. During Earth Science Week 2013, the Center web site was launched with databases of Earth science teacher professional development programs, curricula, resources, research and other information for the geoscience community and general public. A report on the status of secondary Earth science education in the United States was also released during Earth Science Week 2013. A complimentary report on the status of elementary Earth science education is scheduled for release in the spring of 2014. Plans are also underway for a second Earth science education summit to be held in the fall of 2014.

The Center for Geoscience Education and Public Understanding web site is running smoothly, with updates and upgrades being added regularly. Correlation of the site's classroom activities with Next Generation Science Standards is ongoing, and data collection is well under way for the K-12 Status of Earth Science Report. In preparation for the Second Geoscience Education Summit, a proposal has been submitted to NSF for funding, complimenting an AGI commitment of $20,000 for this Washington, DC meeting of geoscience education leaders, most likely sometime in Fall 2014.

Stephanie Tubman, a graduate of Michigan Tech's Peace Corps Master's International Program in Geohazards Mitigation, joined the program on February 1 as the first AGI/Schlumberger Fellow in Geoscience Communication. The Fellowship is supported by a generous donation from Schlumberger.

The **Critical Issues Information Exchange** is growing rapidly and now holds all the USGS factsheets from 2009 onwards and almost 700 state geological survey documents. Information from the database is used as the basis for information products such as a factsheet on earthquakes that Stephanie prepared for the Hazard Caucus Alliance earthquake briefing. The Information Exchange will be made available as a public resource.

The results of the **Critical Issues Survey** were published in February 2014. The 890 responses to the survey indicate that climate change is a prime concern and that water, human population growth & health, and energy are also regarded as critical issues that require immediate attention. The inaugural **Critical Issues Forum** will be held this fall. The focus of the forum is on the potential transition to a global hydrogen economy with the first step being the evolution of natural gas in the global energy mix. A steering committee is being formed.

Education and Outreach Activities

AGI Education is showing progress on a number of fronts. Additional AGI education projects include the Teacher Leadership Academies slated for June-July at a confirmed ExxonMobil venue, the Online Earth Science Course being prepared with Rebecca Dodge and the Illinois Institute of Technology, the Physical Geology e-book being written by Michael Wysession for publication by Pearson, and the DOE/AGI Energy Literacy Videos that will be shown at the National Science teachers Conference in Boston

AGI Education and Outreach staff are making exhibit preparations for NSTA Boston (April 3-5) and the USA Science & Engineering Festival in Washington, DC (April 26-27). The Ed Roy Award will be presented to Laura

Finney of Ohio during a NESTA Reception at NSTA. Also, staff are writing and overseeing production of an introductory booklet on Geologic Heritage for the National Park Service, planned for publication later this year. Finally, preparations are being made for Earth Science Week 2014 (October 12-18), which will focus on the theme of "Earth's Connected Systems." Fundraising is ongoing, the program web site is being redesigned, a new poster and kit design are being developed, and contributions to the teacher toolkit are being solicited. This year's most exciting new initiative is the launch of Earth Science Week Denver, a locally focused event much like last year's successful Earth Science Week Houston, which promises to strengthen offerings, boost participation, and garner media attention.

Environmental Affairs Activities

An Environmental Awareness Series (EAS) e-book focusing on USGS volcano activities is in review by USGS staff. It is scheduled to be released in 2014. Discussions with the chair of the Environmental Affairs advisory committee have begun to assess priorities and the focus of AGI efforts in the future.

Geoscience Policy Activities

Policy Associate, Abby Seadler, has been taking on more responsibility for Geoscience Policy. Our Fall 2013 intern was Sophia Ford, a graduate of Kansas State University, and the Spring 2014 intern is Scott Miller, who graduated from Appalachian State University. Fisher Congressional Geoscience Fellow, Kristen Mitchell is placed in the office of Rep. Mike Honda (D-CA) whose district includes much of Silicon Valley. The fellow for 2014 has been selected and will be announced prior to the AAPG meeting in April.

AGI, in collaboration with eight other geoscience organizations, has been playing a leading role in organizing the **Geoscience-Energy Briefing Series** for Congressional staff. Briefings to date covered a review of the energy mix, geothermal energy, and geoscience aspects of nuclear power; three other briefings are planned before the summer recess. AGI also worked on two briefings on behalf of the Hazards Caucus Alliance covering floodplain mapping and earthquake research.

Information Systems Activities

To promote the custom search feature of GeoRef, a new brochure been developed using quotes provided by Dorian Kuper after the Salt Lake City Executive Committee meeting. The new brochure was distributed at the March PDAC meeting in Toronto where members of the mining community were interested in the Custom Search.

A visit to the Geological Society of London is planned for the week of March 24 to interview applicants for the GeoRef metadata project in the GSL library. A recruitment agency that specializes in information management and services has been engaged to identify suitable candidates with geoscience backgrounds and knowledge of metadata production.

The recent PDAC meeting provided the opportunity to flesh the next agreement with Purplerock Editing and the Canadian Federation for Earth Sciences to ensure the coverage of the publications of the provinces of Quebec, Nova Scotia and New Brunswick plus the Territories as part of CanGeoRef. A plan for maintenance of data for the provinces that have already been indexed was also discussed.

The Geoscience Australia (GA) budget shortfall of 25% has had an immediate impact on AusGeoRef. Work by the subcontractor to GA has been suspended while the entire Survey undergoes an examination of its expenditures. In the meantime, GeoRef staff are looking at ways to fill the gap in coverage left by this hiatus.

Technology, Communication and Workforce Activities

AGI has published the 49th edition of the *Directory of Geoscience Departments* both in paperback and as an eBook. We had record levels of updates from departments this year. We plan to create a focus group to help consider what might be an appropriate modernization of the publication for its 50th edition.

AGI recently published *Travels in Geology*, Volume 1 as an eBook available from AGI, Google, and Amazon. Apple iBookstore sales should begin shortly. We are planning on the second volume to focus on Europe.

The new AGI website/domain has been released in a soft roll-out. AGI will be working with the domain name of americangeosciences.org from now on, although agiweb.org will continue to work.

AGI has started the planning process for a major update of The Geoscience Handbook. We are targeting a release date of the 5th edition for GSA in October. AGI now owns the trademark to the word EARTH free-and-clear. The magazine is rolling out its digital access to subscribers. AGI continues to participate in the EarthCube governance development process through the development of Strategic Pathways Exercises and participation in its development committee.

Promote Your Society in GeoSpectrum!

http:// http://www.americangeosciences.org/geospectrum

GeoSpectrum is an e-Magazine for the entire geoscience community. It is also one the best ways to promote the amazing work, thoughts and advice of your society. AGI is endeavoring to make sure all of its organizations have a voice in it and reap the benefits of exposure within *GeoSpectrum*, which goes to more than 10,000 people per issue. You are encouraged to share *GeoSpectrum* with the leadership at your organizations and use it to help market your society.

Part of the increasing success of *GeoSpectrum* has been sharing relatable stories that transcend the individual research interests of each society and news where geoscience impacts society and demonstrates the strong sense of community at these organizations. Maureen scours newsletters from the societies in the AGI federation and was struck by the scope and impact of the work done by the societies. In each newsletter she found at least one article that has value across different disciplines, and could positively impact the broader geoscience community!

To use *GeoSpectrum* to successfully communicate your news to the geoscience community at large:

- Put *GeoSpectrum* editor, Maureen Moses, in contact with the newsletter chair, or communication point-person at your society. This helps create the most fruitful synergies between AGI and the individual societies.
- Maureen is also seeking access to password-protected newsletters (not journals) to help in her search for Member Society news that would resonate with the GeoSpectrum audience.
- Please share your newsletter reprint policies with Maureen, and who is the best person at your society to contact and obtain permission to reprint. All citation and credit will be clearly stated at the beginning of the story (AGI wants to demonstrate your hard work; we're merely aggregating it and making sure the entire community is aware of your organization and your members' work.)

If you have any questions regarding *GeoSpectrum* and how to ensure your organization can be involved without a large time commitment on your end, please contact

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