

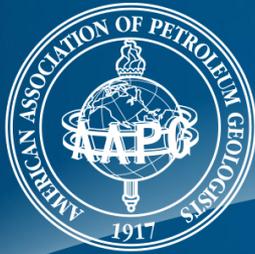


# Joint AGI/GSA Societies Meeting

October 20, 2014 • Vancouver, British Columbia



THE GEOLOGICAL SOCIETY  
OF AMERICA®



# AAPG

*Advancing the World of Petroleum Geosciences™*

# American Geophysical Union

- **New open-access journal, Earth and Space Science, to be led by Editor-in-Chief, John Orcutt.** This is AGU's second new open-access journal in 18 months. Submissions are currently being accepted.
- **Announced 62 new AGU Union Fellows for class of 2014, including 13 new female Fellows,** equaling AGU's largest ever class of female Fellows.
- **AGU Election Results** : new President-elect, Eric Davidson – takes office January 1,2015. See full slate of new officers at <http://elections.agu.org/>
- **2014 AGU Fall Meeting dates, San Francisco: 15 – 19 December**
- **Joint Assembly – Montreal Canada: 3-7 May, 2015** November 5 session proposal deadline
- **AGU's longstanding publication Eos relaunches online as Eos.org** in December 2014, with a color magazine replacing the tabloid in January 2015.
- **Register for updates on the Thriving Earth Exchange** at – <http://thrivingearthexchange.org/>

# AMQUA



[www.commons.wikimedia.org](http://www.commons.wikimedia.org)  
LaBrea Tar pits by Charles Knight

## **American Quaternary Association**

[www.amqua.org](http://www.amqua.org)

**...devoted to studying  
all aspects of the  
Quaternary Period**



Credit: Ron Blakey  
<http://cpgeosystems.com/namQ.jpg>



Biennial Meetings  
Workshops  
Field Trips  
Interdisciplinary  
Founded in 1970

# ARMA

American Rock Mechanics Association

- Hold U.S. Rock Mechanics/Geomechanics Symposium; 49<sup>th</sup> in San Francisco, June 2015
- Disseminate information through meetings & publications
- Publish ARMA e-Newsletter quarterly
- Conduct workshops, short courses, organize topical forums
- Issue annual rock mechanics awards
- Maintain ARMA digital library for OnePetro
- Cooperate and co-sponsor international meetings; Brazil symposium, Sept. 2014
- Establish topical committees; induced seismicity, hydraulic fracturing
- Maintain U.S. membership in the International Society for Rock Mechanics

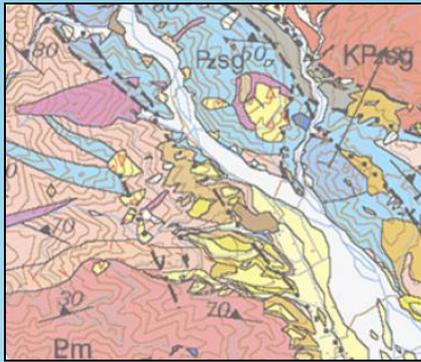




# Association for Women Geoscientists

- **ENCOURAGE** the participation of women in the geosciences
- **EXCHANGE** educational, technical, and professional information
- **ENHANCE** the professional growth and advancement of women in the geosciences

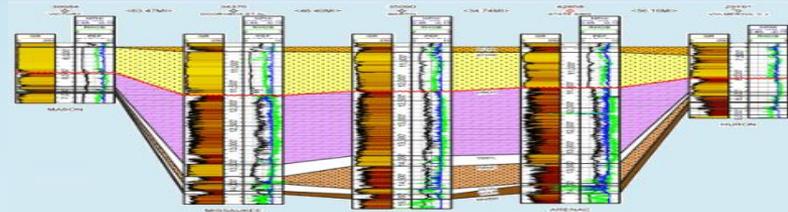
Are You Connected? [AWG.org](http://AWG.org)



# AASG

Association of American State Geologists

- ▶ Geological surveys of U.S. states and territories
- ▶ Unified collaboration with federal partners and other stakeholders
- ▶ Generation and dissemination of high quality geosciences information
  - Maps
  - Reports
  - Databases



*“Strength through unity”*

# Association of Earth Science Editors



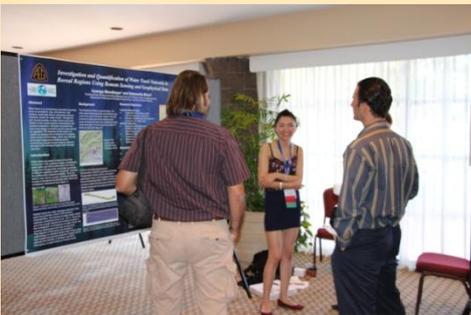
- Communicating Geo-science for the World
- Next Annual Meeting expected in Colorado, Fall 2015
- Members include freelance and organization editors, publishers, printers, publication managers and other interested parties
- Benefits: Job postings, Blueline Newsletter, ListServ for discussing editorial issues, networking
- [www.aese.org](http://www.aese.org)

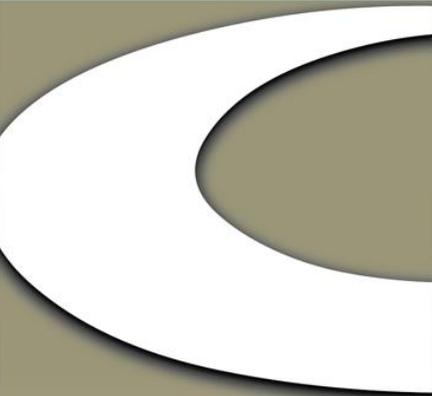


## AEG's Mission

The Association of Environmental and Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology.

<http://www.aegweb.org/home>





THE  
**CLAY**  
MINERALS  
SOCIETY

- ▶ INTERNATIONAL ORGANIZATION
  - ▶ *CLAYS AND CLAY MINERALS*
- ▶ ANNUAL MEETING
  - ▶ ONLINE ACCESS TO THE ARCHIVED JOURNALS AND SPECIAL PUBLICATIONS
- ▶ SOURCE CLAYS REPOSITORY
  - ▶ AWARDS/LECTURES
- ▶ RESEARCH AND TRAVEL GRANTS FOR STUDENTS

■ STUDY OF CLAYS & CLAY MATERIALS

■ ANNUAL MEETING

■ MEMBERSHIP

■ CMS ORGANIZATION

- COUNCIL

- EXECUTIVE COMMITTEE

- STANDING COMMITTEES

■ *ELEMENTS* - MEMBERSHIP MAGAZINE

■ SOURCE CLAYS

■ EDUCATIONAL RESOURCES



# Council on Undergraduate Research



- ✧ GeoCUR and the On the Cutting Edge designed a website on the SERC system: “Undergraduate Research as Teaching Practice”
- ✧ GeoCUR Workshops at GSA and AGU
  - GSA 2014: “Getting Started in Undergraduate Research for New and Future Faculty”
  - AGU 2014: “How to Get an Undergraduate Research Program Started”
- ✧ GeoCUR offers an annual Undergraduate Research Mentor Award
  - 2011 – John Brady, Smith College
  - 2012 – Tracey Holloway, University of Wisconsin--Madison
  - 2013 – Mary Savina, Carleton College
  - **2014 – Mary MacLaughlin, Montana Tech of the University of Montana**
- ✧ GeoCUR issued 10 Excellence in Student Research Awards in 2014
  - A certificate is issued to select students working with CUR Geoscience Division Members



- International union of scientists established in 2002 dedicated to the geosciences, planetary, and space sciences
- Over 12,500 members worldwide
- 22 Scientific divisions & 8 committees
- EGU General Assembly (each year in April in Vienna) with over 12,000 participants
- 16 peer-reviewed open access journals
- Outreach programme incl. the publication of press releases, blogging and social media activities, organising workshops for teachers (GIFT), supporting external events ...

**Contact: [info@egu.eu](mailto:info@egu.eu)**





geochemical  
society

[www.geochemsoc.org](http://www.geochemsoc.org)

*Mission: to encourage the application of chemistry to improve our understanding of the Earth and solar system.*

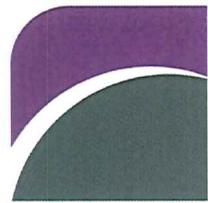
- INTERNATIONAL: 4,069 members in 65 countries
- COLLABORATIVE: Affiliated with nine associations (AAAS, AGU, AGI, CESSE, EAG, GSJ, GSA, IUGS, and MSA); *Elements* magazine (17 societies)
- SUPPORTIVE: Outreach programs to under-represented countries; Student Travel grants; Meeting Assistance grants; Mentor programs
- INFORMATIVE: 7,400+ subscribers to *Geochemical News*; *GCA* (*IF* = 4.25)



# Geological Association of Canada

***Canada's leading geoscience knowledge organization  
reaching Industry, Academia, and Government with:***

- 13 disciplinary divisions and 6 regional sections supporting geoscience advancement across the country
- Annual conference with the Mineralogical Association of Canada (GAC<sup>®</sup>-MAC) and other geoscience organizations
- World-class journal *Geoscience Canada*
- Quarterly newsletter *GEOLOG*
- An accessible online bookstore producing and selling respected publications such as “Facies Models” and “Ore Deposits Models” plus many more
- Prestigious national medals and awards program
- Student outreach and networking opportunities
- Plus much, much more!!!



## THE GEOLOGICAL SOCIETY OF AMERICA®

- GSA Annual Meeting Vancouver - 4500 Abstracts
- Membership Stands at 26,400
- 70 Associated Societies
- Awarded 400 Graduate Student Research Grants for \$612,789
- Dr. Marjorie Chan, 2013–2014 Distinguished International Lecturer
- 2<sup>nd</sup> year of “On to the Future” Diversity Initiative brought 125 diverse, first time students to the GSA Annual Meeting in Vancouver

Science - Stewardship - Service



- *Communicating Contested Geoscience* – a one-day conference (June 2014) bringing together geoscientists, social scientists and science communication practitioners to develop new approaches to communicating geoscience to non-geologists around issues such as shale gas, radioactive waste disposal and CCS.
- *100 Great Geosites in the UK and Ireland* – a major public engagement initiative run mostly through social media in recent months. The final list will be launched during Earth Science Week UK (13-19 Oct), the theme of which is 'Our Geoheritage'.
- *Sustainable Resource Development in the Himalaya* (June 2014) – an international conference held jointly with the Institute of Energy Research and Training, University of Jammu, in Leh, Ladakh, India, including a schools programme.

# Geological Society of South Africa

- Established in 1895
- Professional and Learned Society
- Publishes South African Journal of Geology
- Publishes news quarterly - Geobulletin
- Promotes the Study and Practice of Geology
- Promotes the Interests of Geologists
- 15 Branches and Specialist Divisions
- Strong Meetings Program
- 3600 Members and Fellows
- Visit [www.gssa.org.za](http://www.gssa.org.za)



CHERISH  
PROMOTE  
PROSPER



# DOE Geothermal Technologies Office

New AGI Liaison

*Research and development to locate, access, and develop geothermal resources in the United States*

[ENERGY.GOV/EERE/GEOTHERMAL](https://www.energy.gov/eere/geothermal)

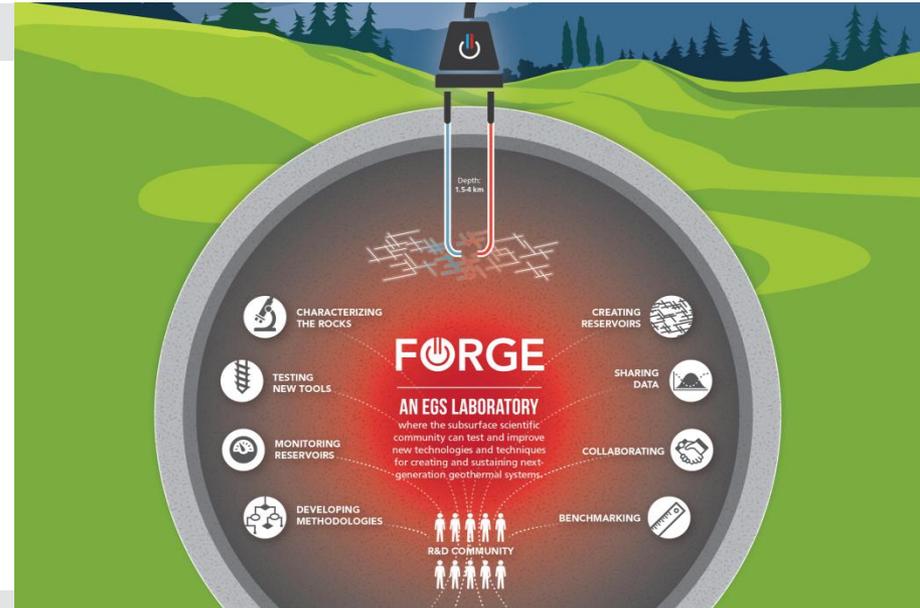
## Major New Initiatives

# FORGE

Frontier Observatory for Research in Geothermal Energy

[energy.gov/forge](https://www.energy.gov/forge)

A dedicated field site where the geosciences community will advance breakthroughs in Enhanced Geothermal System (EGS) technologies and techniques.



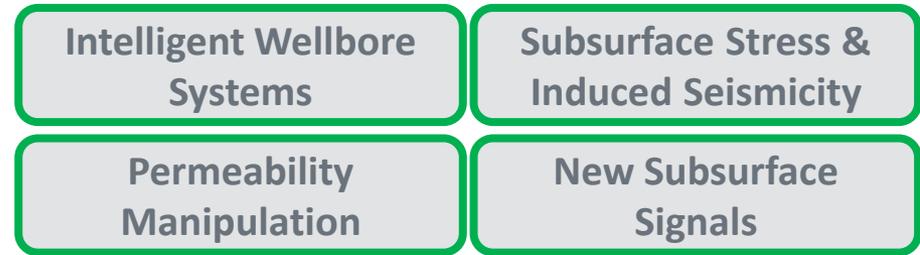
# SubTER

Subsurface Technology and Engineering RD&D Crosscut

[energy.gov/subsurface-tech-team](https://www.energy.gov/subsurface-tech-team)

An integrated platform across DOE offices to address crosscutting grand challenges associated with the use of the subsurface for energy extraction and storage.

KEY DOE PARTNER OFFICES: Energy Efficiency & Renewable Energy, Fossil Energy, Nuclear Energy, Environmental Management, Science

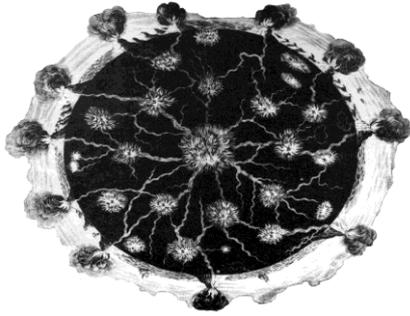


U.S. DEPARTMENT OF **ENERGY**

Energy Efficiency & Renewable Energy

# History of the Earth Sciences Society

(Founded in 1982)



Athanasius Kircher's (1602-1680) '*Systema ideale prophyliaciorum*'.

An imagined view of subterranean fires and surface volcanoes from *Mundus subterraneus*, 1678.

- *Earth Sciences History*: two issues per year, now at Vol. 33, No. 2
- 33/2 is a special issue from the INHIGEO meeting held in Manchester, England, July 2013
- Plan to publish a special issue (34/2) from the INHIGEO meeting held at Asilomar conference center and co-sponsored by GSA
- Topics range from history of geology, paleontology, palynology, oceanography, meteorology, seismology, geophysics . . .
- Subscription (print or on-line) is \$50 per year
- More information at: [www.historyearthscience.org](http://www.historyearthscience.org)



The IAGD mission is to improve access to the geosciences for individuals with disabilities and promote communities of research, Instruction, and student support.

## The IAGD Vision

- *Celebrate the diverse abilities of all geoscientists while fostering student engagement in geoscience career pathways*
- *Provide faculty professional development in instructional access and inclusion*
- *Unify and promote efforts of collaboration in research and instructional best practices*
- *Develop a community of resources for faculty and student support*
- *Advance knowledge of access and accommodation within the geosciences through scientific research*



# INTERNATIONAL ASSOCIATION for PROMOTING GEOETHICS

- An international, scientific, multidisciplinary platform to discuss problems of **Ethics applied to the Geosciences**
- Promoting the reflection on the **role that geoscientists can have in society**
- Raising the **awareness of geoscientists about their responsibility** toward society
- Developing the idea of a common and shared "**geological heritage**", to be considered as a **cultural, educational and scientific value**, as well as a **social capital** of our societies
- Our network: **430 members in 76 countries**. 542 followers of the LinkedIn Group

<http://www.iapg.geoethics.org>



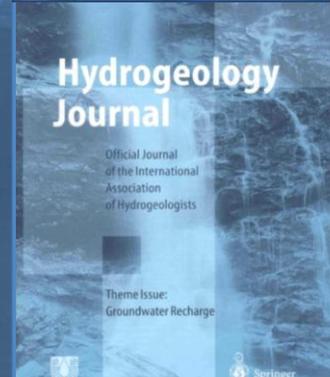


International Association  
of Hydrogeologists  
**UNITED STATES  
NATIONAL CHAPTER**



- Worldwide scientific and educational organization: promotes groundwater research, management, and protection
- Publishes *Hydrogeology Journal*
- Annual conference: Global IAH Congress
- Forum for global perspectives on groundwater and hydrogeological issues
- Sponsors students and developing country members
- Joins GSA and AGI: united voice for geoscience promotion and education

[www.iah.org](http://www.iah.org)





# International Medical Geology Association (IMGA)

Since 2006

## Aims

- ▶ To facilitate interactions between biomedical and geoscience researchers world wide
- ▶ To address human and animal health problems caused by geologic materials or geologic processes.
- ▶ To promote education and research in Medical Geology worldwide.

## Highlights

- 390 Members from about 70 countries, 22 Country Chapters
- Education: Short Courses; Books; Webinars
- The next International Conference: **6th MEDGEO 2015 in Aveiro, Portugal** <http://medgeo15.web.ua.pt/>

[www.medicalgeology.org](http://www.medicalgeology.org)

# INTERNATIONAL SOCIETY FOR AEOLIAN RESEARCH



The International Society for Aeolian Research was created to promote contacts among scientists undertaking research in aeolian processes, landforms, and modeling, to stimulate scientific research in aeolian topics and related fields, and to further the application of the results of such research into practical applications.

This is accomplished by:

- *Promoting open discussions and comparisons of research results.*
- *Initiating conferences such as the International Conference on Aeolian Research.*
- *Organizing relevant excursions and demonstrations.*
- *Establishing contacts and cooperation with organizations in other science fields.*
- *Supporting the publication of a peer-reviewed scientific journal (Aeolian Research).*

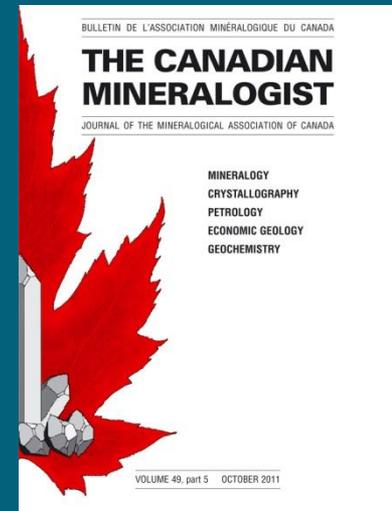
## Our Mission:

Promoting and advancing the knowledge of mineralogy and the allied disciplines of crystallography, petrology, geochemistry and mineral deposits

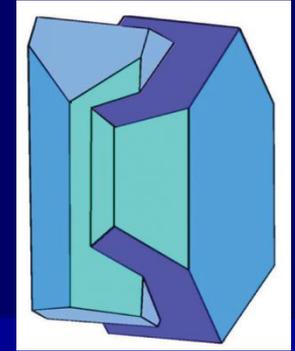


# MINERALOGICAL ASSOCIATION OF CANADA

- Publications:
  - *The Canadian Mineralogist*
  - Special Publications
  - Short Course Volumes
  - *Elements* — *An International Magazine of Mineralogy, Geochemistry, and Petrology*
- Medals and Awards
- Scholarships and Grants
- Sponsorships of Special Sessions
- Short Courses and Berry Schools

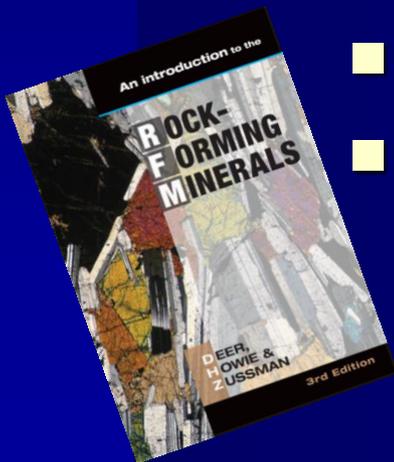


# Mineralogical Society of Great Britain & Ireland



*NEW THIS YEAR!*

- *Euroclay2015* ([www.euroclay2015.org](http://www.euroclay2015.org))
- *Geomicrobiology Network*
- *Planetary Mineralogy*
- *Introduction to the Rock-Forming Minerals*



[www.minersoc.org](http://www.minersoc.org)



## National Association of Geoscience Teachers 2013-2014 Accomplishments

- Website redesign and reorganization based on usability testing and member feedback
- New Traveling Workshops Program: incorporating both Building Strong Geoscience Departments and Building Strong Geoscience Courses workshops
- Increased coordination between NAGT, Cutting Edge, and InTeGrate for a unified workshop program
- Two new topical divisions for our members:
  - Teacher Education Division (TED)
  - Geoscience Education Research Division (GER)

[NAGT.ORG](http://NAGT.ORG)



# *National Association of State Boards of Geology*

- **COMMITTEE ON ACADEMIC ASSESSMENT** - Implementation of the *Curriculum Performance Assessment Tool (CPAT)* to be used by U.S. academic institutions that use the ASBOG® Fundamentals of Geology (FG) as an assessment/exit examination for graduating senior-level geology/geoscience students.
- **COMMITTEE ON ETHICS** - Survey of state Member Boards on the enforcement of codes of professional ethics and resources available for this activity. Formulating survey of U.S. and Canadian-licensed geoscientists as to the importance of professional ethics in licensed practice.
- **COMMITTEE ON EXAMINATIONS** - Work with Task Analysis Survey (TAS) Subcommittee to analyze results of 2015 TAS and finalize report.
- **COMMITTEE ON INTERNATIONAL RELATIONS** - Continue interaction with Canadian counterparts to enhance U.S./Canada cooperative licensure/mobility programs.
- **COMMITTEE ON PUBLIC RELATIONS** - Continue outreach to professional organizations to encourage Affiliate Organization and International Organization membership in ASBOG® and subsequent participation in the Council of Examiners (COE) Workshops by licensed geologists/geoscientists.
- **COMMITTEE ON UNIFORM PROCEDURES** - Development of an "*Association Records Program*" to assist geologists in maintaining professional licensure records and in obtaining timely licensure in other states through cooperative licensure methods (*reciprocity, comity or endorsement*).

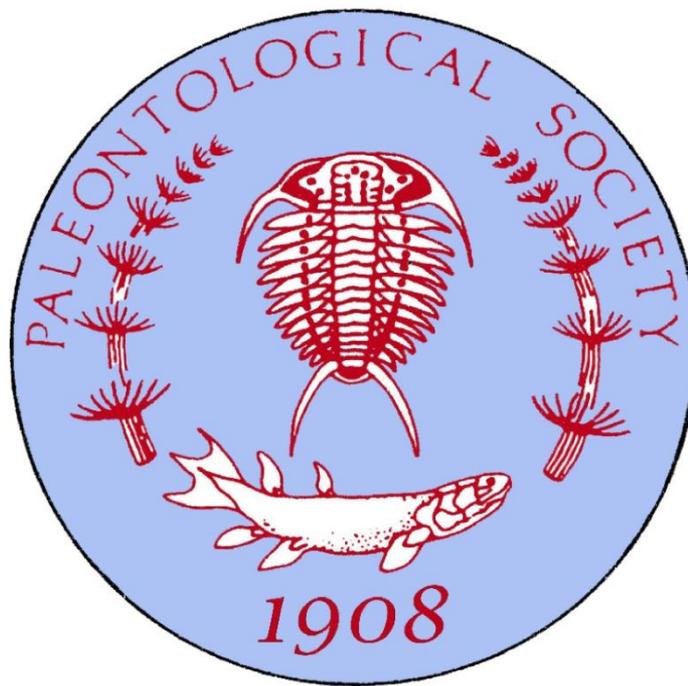
## News from NCKRI

- Completing additional construction at NCKRI Headquarters!
- Hosted the *USGS Karst Interest Group Workshop* and the *International Workshop on Ice Caves* in 2014 and will host *The Sinkhole Conference* in October 2015.
- Co-developing the World Karst Aquifer Map (see paper on Tuesday, Session T82, 11:30 a.m.).
- Conducted the world's first geophysical surveys of bat guano; part of a paleoclimate coring program.
- Continued teaching international workshops on the management of karst aquifers.



2013-2014

1. 2014 GSA Session 176-Stratigraphy Papers by NACSN Commissioners:
  - 176-8 Donovan "A Common Sense Check on Stage Boundary Placement"
  - 176-13 Fluegeman "Road-Testing the Paleogene Global Stratotype Sections..."
  - 176-15 Edwards "Road-Testing GSSPs in the Miocene coastal Plain..."
2. Upper Cretaceous Turonian Stage GSSP "Golden Spike" in Greenhorn formation, Lake Pueblo State Park, October 25<sup>th</sup>.
3. "The 'Anthropocene' as a ratified unit in the ICS International Chronostratigraphic Chart: fundamental issues that must be addressed by the Task Group" by S.C. Finney, ICS chair
4. Amendment to formalize names of intrusive complexes in preparation
5. NACSN Website now at Micropaleo Press: <http://www.nacstrat.org>.



- Founded in 1908 and now has over 1500 members from around the world.
- Dedicated to advancement of all aspects of the science of paleontology.
- Publishes two professional journals: *Paleobiology* and *Journal of Paleontology*.
- Administers numerous grants for student and young faculty research in paleontology.
- Partnering with GSA and SEPM, through STEPPE, to promote research analyzing the deep-time environmental and evolutionary history of our planet.

<http://www.paleosoc.org/>



*The Seismological Society of America:*

- ❖ **Statement of Purpose: *To Advance seismology and the understanding of earthquakes for the benefit of society***
  
- ❖ *Held our largest solo annual meeting in history in Anchorage commemorating the 50<sup>th</sup> anniversary of 1964 M9.2 Great Alaska earthquake*
  
- ❖ *Initiated Student Travel Grants to for Geo-Congressional Visits Day (GeoCVD)*
  
- ❖ *Launched e-first publishing for BSSA and SRL on GeoScience World*

SSA '15: April 21-23 in Pasadena  
See <http://www.seismosoc.org>

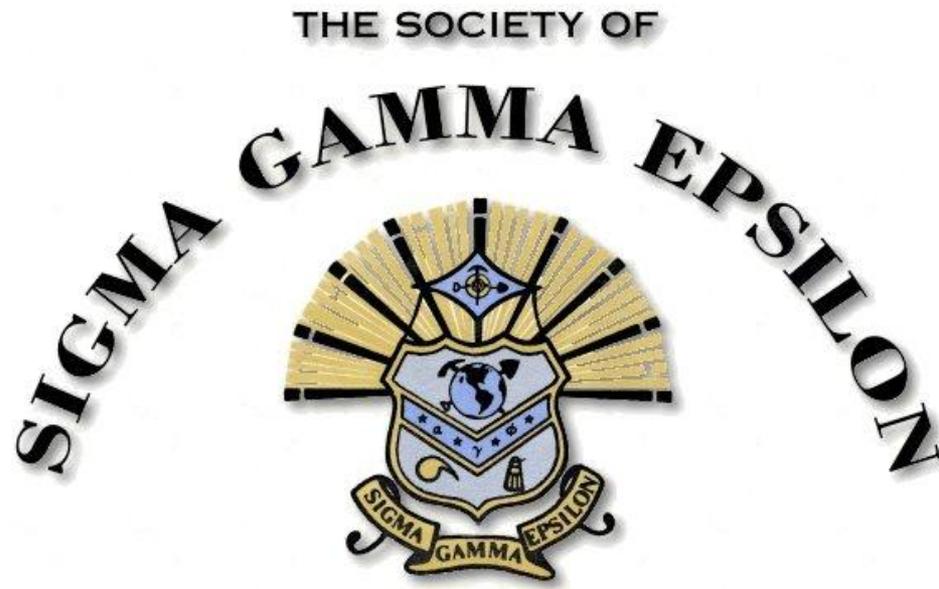


The Society for the Preservation of Natural History Collections [SPNHC] is an international society whose mission is to improve the preservation, conservation and management of natural history collections to ensure their continuing value to society.

Latest strategic plan focus of four goals:

- To show leadership
- To communicate
- To provide value for money
- To work internationally

Partnerships with stakeholders such as GSA are key to achievement of these goals



## The national honor society for the Earth Sciences

- established in 1915 to recognize scholarship and professionalism in the Earth Sciences
- promotes the scholastic, scientific, and professional development of its members
- nearly 200 chapters at universities throughout the U.S.

- SME Congressional Fellow – Dr. Josh Hoffman
  - First Congressional Fellowship for mining in Washington, D.C.
  - Term – September 1, 2014 – August 30, 2015.
  - Dr. Hoffman holds Ph.D. in mining engineering from University of Kentucky.
- OneMine.org  
Participating societies include SME, AIME, TMS, IMMS, NIOSH, DFI, SAImm and AusImm. As of September 4, 2014 OneMine contained 106,665 documents totaling 1,824,455 pages.
- SME Meetings  
2014 Annual Meeting – attendance 6,722; exhibits 804  
2015 Annual Meeting – February 15 – 18, 2015; Denver, CO

# SOCIETY OF ECONOMIC GEOLOGISTS



- World-Class Ore Deposits: Discovery to Recovery
  - Conference, September 27-30, 2015, Hobart, Tasmania, Australia
- SEG Education and Training Curriculum
  - 30 courses and field trips offered worldwide
- Student Grants and Fellowships
  - More than \$0.5 million awarded annually
- New SEG Member Benefits
  - e-Docs of books and special issues of Economic Geology
  - Geofacets-SEG Millennium Edition at special price to members



For more information, please visit  
[www.segweb.org](http://www.segweb.org)

# SOCIETY OF INDEPENDENT PROFESSIONAL EARTH SCIENTISTS



## A Unique Organization for Earth Science Independents

- NETWORK – Meet other self-employed earth scientists in other disciplines
- CHAPTERS – SIPES has 11 active local chapters
- PUBLICATIONS – Quarterly newsletter, annual membership directory & e-news
- MEETINGS – Attend annual conventions in resort locations, and local chapter events

**SIPES 2015 Convention will be in Deer Valley, Utah from June 15-18**



[www.sipes.org](http://www.sipes.org)



## ***VISION***

**Assuring a healthy and sustainable planet through our soils.**

## ***MISSION***

**To advance soils as fundamental to life.**

## ***GOALS***

### **Promote soil science ...**

- education to a broad audience
- research
- as a profession

**Annual Meeting**  
**November 2-5, 2014**  
**Long Beach, CA**  
*Grand Challenges,*  
*Great Solutions*