american geosciences institute

connecting earth, science, and people

MEMBER SOCIETY COUNCIL MEETING

Monday, June 1, 2015

Hyatt Regency Hotel, Denver

AAPG

Advancing the World of Petroleum Geosciences™

American Geophysical Union

- **2015 AGU Fall Meeting dates, San Francisco: 14 – 19 December** Abstract submission deadline 5 August

- **Ocean Sciences Meeting – New Orleans: 21-26 February, 2016** (Joint with ASLO and the Oceanography Society) Abstract submission opening 15 July

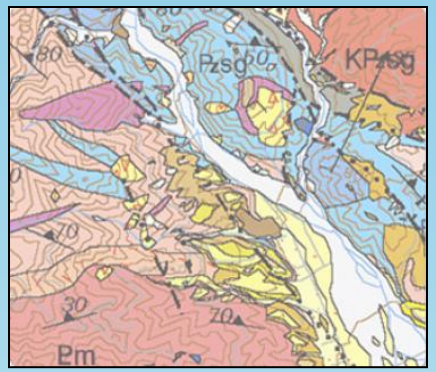
- **AGU's longstanding publication Eos launched online as Eos.org**, with a color magazine replacing the tabloid.

- **Register for updates on the Thriving Earth Exchange** at http://thrivingearthexchange.org/

ARMA

American Rock Mechanics Association

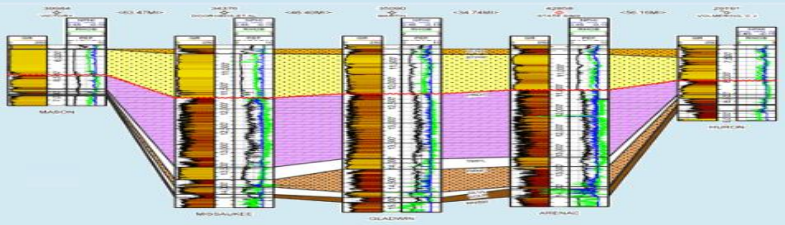
- Hold U.S. Rock Mechanics/Geomechanics Symposium; 49th in San Francisco, June 2015
- Disseminate information through meetings & publications
- Publish ARMA e-Newsletter quarterly
- Conduct workshops, short courses, organize topical forums
- Issue annual rock mechanics awards
- Maintain ARMA digital 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



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"

American Institute of Professional Geologists

- *Service to the Profession and Professionals*
- *Competence…Integrity…Ethics…*
- *Advocacy*

- *AIPG 52nd Annual Meeting*
  September 19 - 22, 2015
  Anchorage, Alaska

- *AIPG 53rd Annual Meeting*
  September 9-13, 2016
  Santa Fe, New Mexico

www.aipg.org

Association for Women in Geosciences

- **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??

Board on Earth Sciences and Resources (BESR)

Recent reports (free PDF downloads at http://www.nap.edu/):

- **Development of Unconventional Hydrocarbon Resources in the Appalachian Basin: Workshop Summary**
- **Advancing Land-change Modeling: Opportunities and Research Requirements**
- **Preparing the Next Generation of Earth Scientists: An Examination of Federal Education and Training Programs**
- **Emerging Workforce Trends in the U.S. Energy and Mining Industries: A Call to Action**

Video on induced seismicity: http://www.youtube.com/watch?v=Uuh9lHavdvc

Projects underway or in development:

- **Subsurface characterization, monitoring, and remediation of fractured rocks**
- **State of the art and practice in earthquake induced soil liquefaction assessment**
- **Identifying Transformative Research in the geographical sciences: A workshop**
- **Roundtable on Unconventional Hydrocarbon Development**
- **Minerals to Materials: Toward a National Strategy (Workshop)**

NATIONAL RESEARCH COUNCIL
OF THE NATIONAL ACADEMIES

BESR coordinates activities on Earth science and resources including geographic and mapping science. Contact: eeide@nas.edu

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

- Annual Meeting of the Clay Mineral Society Jointly with the European Clay Groups Association
- Program: http://www.euroclay2015.org/Programme

DOE Sub-Surface Crosscut Initiative – *"SUBTER"*
"Adaptive Control of Subsurface Fractures and Fluid Flow"

Wellbore Integrity NE & FE	Subsurface Stress & Induced Seismicity FE & EERE	Permeability Manipulation FE & EERE	New Subsurface Signals FE & EERE
Materials: adaptive cements, muds, casing	Stress state beyond the borehole	Physicochemical rock physics, including fluid-rock interactions	Diagnostic signatures of system behavior and critical thresholds
Real time, in-situ data acquisition and transmission system	Signal acquisition and processing and inversion	New approaches to remotely characterize in-situ fractures and to monitor fracture initiation/branching and fluid flow	Autonomous acquisition, processing and assimilation approaches
Diagnostics tools, remediation tools and techniques	Localized manipulation of subsurface stress	Manipulating (enhancing, reducing and eliminating) flow paths	Integration of different measurements collected over different scales to quantify critical parameters and improve spatial and temporal resolutions
Quantification of material/seal fatigue and failure		Novel stimulation methods	
Advanced drilling and completion tools (e.g., anticipative drilling & centralizers)			
Well abandonment analysis/ R&D			

Energy Field Observatories

Fit For Purpose Modeling and Simulation

Risk Assessment Tools and Methodologies

Geological Society of America

* 2015 Annual Meeting – Baltimore MD – 1-4 November
* Moving to open access journal publication in 2017
* www.geosociety.org

- Bicentenary of William Smith's 1815 Geological Map of England and Wales
  - Year-long celebration launched on 23 March
  - Plaque on Smith's London home unveiled by Sir David Attenborough
  - Rare early copy of Smith's map rediscovered, conserved and digitised
  - That map can be viewed online, along with other Smith maps and images, at: http://www.geolsoc.org.uk/PictureLibrary

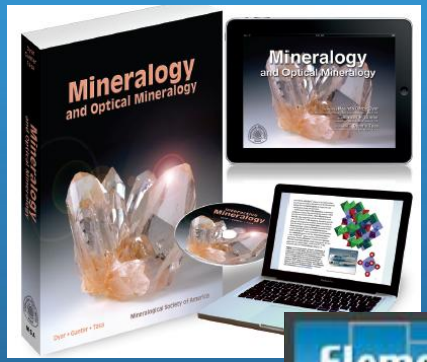
- Society policy on research data associated with its publications reviewed

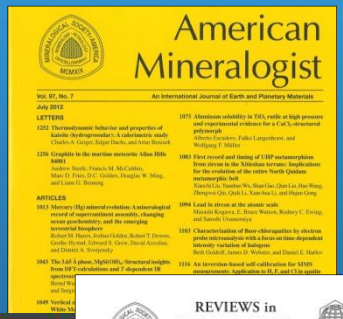
- 100 Great Geosites in the UK and Ireland, announced during Earth Science Week UK (13-19 Oct), received extensive national and local media coverage.

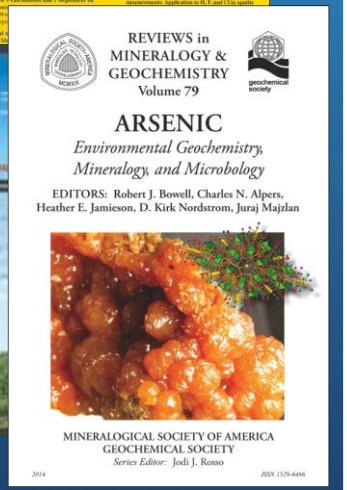
- *Geology for Society* report has been translated into 11 European languages, with the help of the European Federation of Geologists and its national associations – to be launched at the European Parliament on 2 June

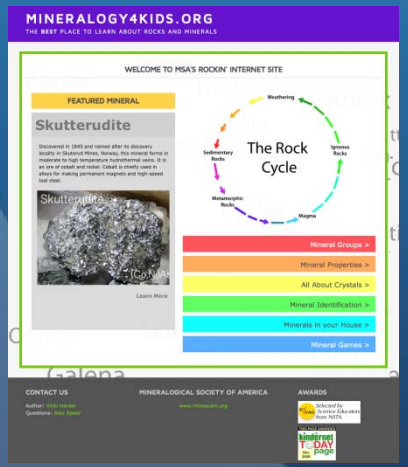
www.geolsoc.org.uk

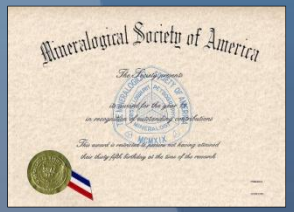
Mineralogical Society of America



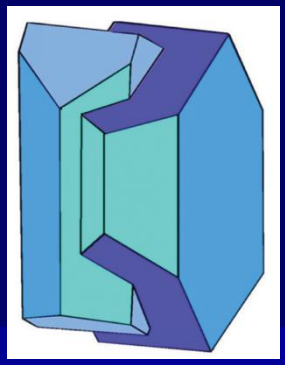






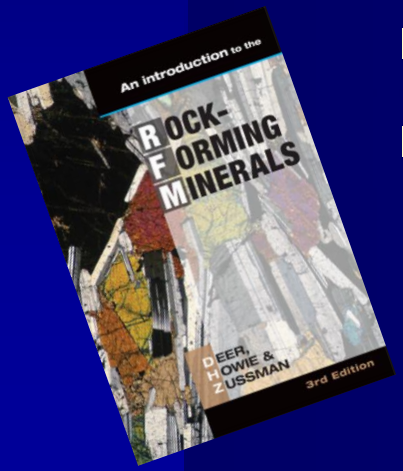


Mineralogical Society of Great Britain & Ireland



NEW THIS YEAR!

- *Euroclay2015 (www.euroclay2015.org)*
- *Geomicrobiology Network*
- *Planetary Mineralogy*
- *Introduction to the Rock-Forming Minerals*



www.minersoc.org

National Association of State Boards of Geology

- COMMITTEE ON ACADEMIC ASSESSMENT - **Development 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 implement 2015 TAS. Continue revising examination graphics.**
- 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 – **Vetting Members at Large to increase participation in the Spring and Fall Council of Examiners.**

(Revised May 2015)

News from NCKRI

- Completing additional construction at NCKRI Headquarters!
- Hosting *The Sinkhole Conference* in Rochester, Minnesota, October 2015: www.sinkholeconference.com.
- Co-developing the World Karst Aquifer Map.
- Conducted the world's first geophysical surveys of bat guano; part of a paleoclimate coring program.
- Continued teaching national and international workshops on the management of karst aquifers.

NORTH AMERICAN COMMISSION ON STRATIGRAPHIC NOMENCLATURE

2014-2015

1. 2014 GSA Session 176-Stratigraphy Papers Presented 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. The archive of Commission records from 2003-2013 is now published in *Stratigraphy*, vol. 11, p. 143-157. A link is provided on the NACSN website.

3. The commission approved a motion to submit the final draft of the amendment to the North American Stratigraphic Code to formalize the names of intrusive complexes to *Stratigraphy* for publication. All commission organizations will be provided with a link to the draft to insure wide dissemination.

4. The commissioners concluded it would be premature to codify the nomenclature of Sequence Stratigraphy. The NACSN will continue to monitor this.

PETROLEUM HISTORY INSTITUTE

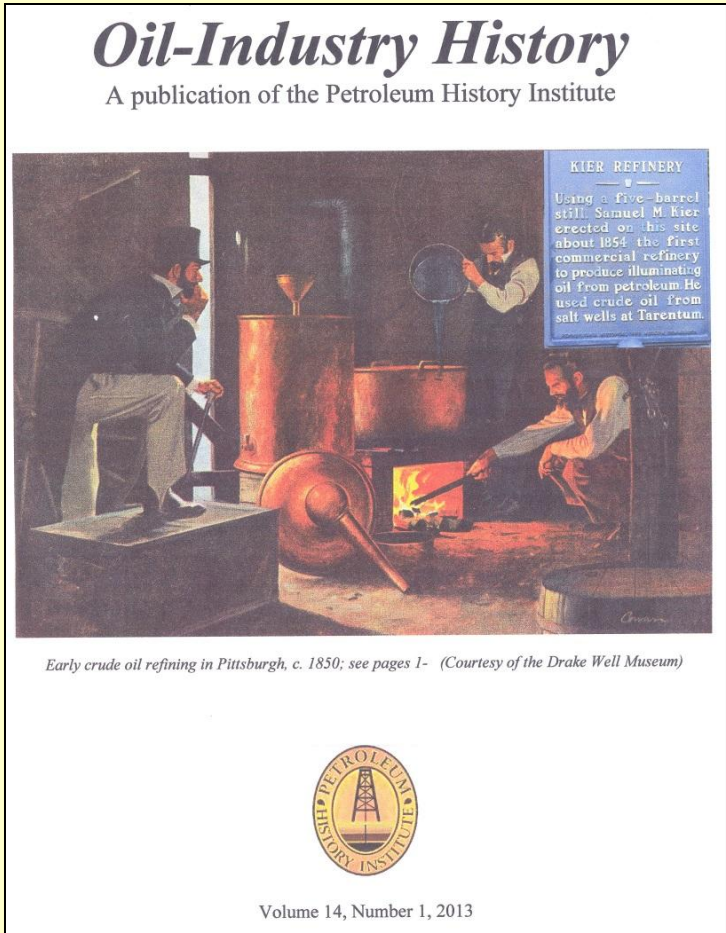
www.petroleumhistory.org

Mission:
To pursue the history and heritage of the oil and gas industry through:

(1) Annual symposia
(2) Field trips (in conjunction with symposia)
(3) Awards to pioneers (in conjunction with symposia)
(4) Publications (*Oil-Industry History*)
(5) Maintaining a website
(6) Educating public and schools
(7) Interactions with other professional societies

Membership (Annual):

Individual	$40
Student	$20
Corporate	$250
Life	$500



SEPM
Society for Sedimentary Geology

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SEPM Members Only

TREATISE on Invertebrate Paleontology

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  Anywhere you have online access–work, home, travel
  Journal of Sedimentary Research, PALAIOS, SEPM Books
- **Online BookArchive!**
  Over 150 SEPM eBooks–1929 to 2009
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SME'S CORE PURPOSE

TO BE THE RESOURCE AND ADVOCATE FOR THE MINING COMMUNITY.

SME members can choose between 8 distinct divisions depending on their professional interests, along with a variety of strategic and standing committees.

SME Society for Mining, Metallurgy & Exploration®

SME offers a wide variety of published material including books and periodicals to keep its members apprised of the latest industry news and advancements.

SME recognizes outstanding individual achievement with awards presented each February at the SME Annual Conference & Exhibition.

SME provides industry resources and scholarships to students in the mining and underground construction industries.

SME's Government Affairs and Public Policy department advocates on behalf of the industry and is a reliable source of current events that affect the industry.

http://www.smenet.org

Society of Economic Geologists

Advancing Science and Discovery

www.segweb.org

World-Class Ore Deposits: Discovery to Recovery

- Conference, September 27-30, 2015, Hobart, Tasmania, Australia

Popular SEG Member Benefits

- Full archive of Economic Geology
- Online member directory – 7,000+ contacts in 100 countries
- Geofacets-SEG Millennium Edition

Student Grants and Fellowships

- >$0.5 million awarded annually

SEG Education and Training Curriculum

- 30 courses and field trips offered worldwide

Visit www.segweb.org

Society of Exploration Geophysicists

The international society of applied geophysics

- Meetings, workshops, and conferences worldwide
- Over 8,400 attendees at the SEG 2014 Annual Meeting
- Publications *The Leading Edge*, GEOPHYSICS, and *Interpretation*, reference books and eBooks
- 61 Continuing Education courses, SEG DISC tour, On Demand eLearning
- Distinguished and Honorary Lecturer tours, 160-200 presentations annually worldwide

SEG **Society of Exploration Geophysicists**
The international society of applied geophysics

www.seg.org

SIPES 52nd ANNUAL MEETING & 2015 CONVENTION

Deer Valley, Utah

June 15-18, 2015

Visitors Are Welcome!

SOCIETY OF INDEPENDENT PROFESSIONAL EARTH SCIENTISTS | WWW.SIPES.ORG

The Society for Organic Petrology (TSOP)

- The Society for Organic Petrology (TSOP) provides a forum for the exchange of scientific research carried out by geoscientists, chemists, and engineers working in Fossil Fuels, Environmental, and Astrogeological Sciences. While the focus is on Organic Petrology, TSOP advocates for a multidisciplinary approach to the study of Sedimentary Organic Matter in coal and hydrocarbon source rocks (in kerogen), as well as bitumens, other forms of carbons, natural and synthetic cokes; and fly ash. TSOP members are also involved in studies of mineral matter associated with sedimentary organic matter and palynological research related to energy and environmental issues.

- **Best Student Oral Presentation at the 2014 TSOP Meeting in Sydney, Australia: : Daniela Kondla, University of Calgary, Alberta, Canada on** "*Dispersed Organic Matterand depositional Environment:Insight from a Triassic source rock in Artic Canada*"

- **Best Student Poster Presentation at the 2014 TSOP Meeting in Sydney, Australia *is received by KojiTakahashi of Hokkaifo University, Japan on :*** "*Open and Close Sytem pyrolysis.. Gas expulsion from Paleogene Coal*"

established 1984

2015 TSOP 32st Annual Meeting of TSOP:
In Yogyakarta, Indonesia, September 20-26

TSOP website: www.tsop.org

The Society for Organic Petrology