



# THE GEOLOGICAL SOCIETY OF AMERICA

## *Geoscience Education Division*

<http://gsaged.org/>

February 2008

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### From Your Newsletter Editor

Greetings everyone! I'll keep my comments very brief, as there is LOTS of news in this edition, including pieces from the GED chair and past chair. I would, however, like to express my gratitude for the Distinguished Service Award that I received at the GSA Annual Meeting in Denver (see news item below). It was so flattering, especially to receive recognition for something that I just plain enjoy doing: acting as your newsletter editor. Thank you! I would also like to add that Barb Echohawk at GSA headquarters has a LOT to do with the final versions of these newsletters, so many thanks to her as well!

As always, if you have items you would like included in the next newsletter, please e-mail them to me at [mhafen@cas.usf.edu](mailto:mhafen@cas.usf.edu).

Mark Hafen  
Department of Geography  
University of South Florida

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### Warm February Greetings from the 2008 GED Chair ...

Dear GED Members:

It was a pleasure interacting with many of the members in Denver last October at the GSA GED business meeting, the GED/NAGT Geosciences Education luncheon, and in several GSA technical sessions. I would like to take this opportunity to introduce you to the 2008 GED management board, highlight division accomplishments of 2007, and to alert you to several GED opportunities and initiatives for this year.

#### The current management board and other important contacts:

Chair:	Kristen St. John, <a href="mailto:stjohnke@jmu.edu">stjohnke@jmu.edu</a>
First Vice-Chair:	Elizabeth Nagy-Shadman, <a href="mailto:eanagy-shadman@pasadena.edu">eanagy-shadman@pasadena.edu</a>
Second Vice-Chair:	Eric Pyle, <a href="mailto:pyleej@jmu.edu">pyleej@jmu.edu</a>
Secretary-Treasurer:	William (Bill) Slattery, <a href="mailto:william.slattery@wright.edu">william.slattery@wright.edu</a>
Past Chair:	Heather Petcovic, <a href="mailto:heather.petcovic@wmich.edu">heather.petcovic@wmich.edu</a>
Newsletter Editor:	Mark Hafen, <a href="mailto:mhafen@cas.usf.edu">mhafen@cas.usf.edu</a>
Website Manager:	Hugh Rance, <a href="mailto:hughrance@rcn.com">hughrance@rcn.com</a>
GSA Council Liaison:	Nancy McMillan, <a href="mailto:nmcmilla@nmsu.edu">nmcmilla@nmsu.edu</a>
Rep. to GSA Geoscience Ed. Committee:	Virginia (Ginny) Peterson, <a href="mailto:petersvi@gvsu.edu">petersvi@gvsu.edu</a>

#### Highlights from 2007:

- We are currently the **5<sup>th</sup> largest division** of GSA, with 1090 members.
- **Division finances** are in excellent condition, with a balance of \$30,277.

- An impressive 267 abstracts in geoscience education were submitted to the **2007 GSA Annual Meeting**, the 2<sup>nd</sup> largest number by discipline. In addition, GED sponsored 14 education-related sessions, 1 K-12 field trip, and 1 workshop at the Annual Meeting.
- The **Biggs Award** was approved by GSA Council as the GSA GED named Division Award beginning in 2008. Congratulations to **Joe Elkins**, Bowling Green State University, 2007 recipient of the Biggs Award.
- **Student Travel Awards** were initiated by the Board this year to support attendance at the GSA Annual Meeting for Division student members who were presenting work in the field of geoscience education. Six awards of \$250 each were made on the basis of merit and financial need to:
  - Andrea Pearce, "Developing a Watershed Field Course to Inspire Interdisciplinary Learning"
  - Dorien McGee, "Contribution of Spreadsheets Across the Curriculum Modules to Undergraduate Geology Courses at the University of South Florida - History and New Directions"
  - Jeffrey Barney, "Assessing the Efficacy of Student Response Technology in an Ocean Science Course"
  - Juli Moore, "A Preliminary Geocognitive Study Used to Analyze Spatial Visual Learning Between Geology Majors and Non-Majors"
  - Leigha King, "Gender Differences and Results of the Geoscience Concept Inventory on Field Based Programs"
  - Mark Howe, "Teaching Physical Geology to the Visually Disabled: A Revised Lab Manual and Teaching Guide"
- A **Distinguished Service Award** was initiated this year in order to recognize a member who has given outstanding service to the Division. The first recipient of this award is Mark Hafen, GED newsletter editor (see below).

#### **GED Opportunities and Initiatives for 2008:**

- **Time Sensitive - Deadline February 1, 2008:** Starting this year, the **Biggs Award for Excellence in Earth Science Teaching** will be the Geoscience Education Division's named award. Division-named awards are among the most prominent awards given by GSA. The Biggs Award recognizes innovative and effective teaching in college-level earth science. Earth-science instructors and faculty members from any academic institution engaged in undergraduate education who have been teaching full time for 10 years or fewer are eligible. (Part-time teaching is not counted in the 10-years-or-fewer requirement.) Both peer- and self-nominations are accepted for this award. The US\$750 award is made possible as a result of support from the Donald and Carolyn Biggs Fund, the GSA Geoscience Education Division, and GSA's Science, Education, and Outreach Programs. An additional travel reimbursement of up to US\$500 is available to the recipient to enable him or her to attend the award presentation at the GSA annual meeting. To access the nomination form, please go to <http://www.geosociety.org/awards/biggs.htm>. All nomination material should be sent to Eric J. Pyle [pyleej@jmu.edu](mailto:pyleej@jmu.edu), James Madison University, Department of Geology & Environmental Science, MSC 6903, Harrisonburg, VA 22807 by **February 1, 2008**.
- GSA is very interested in greater **integration of the Divisions into Section Meeting programming**. I have agreed to be the point person for GED on this initiative. In that capacity, I am very interested in member suggests on:
  - (1) activity formats that might be especially strong ways for GED to contribute to Section Meetings (e.g., Division sponsorship, case studies, combined field trip/technical sessions, short courses or workshops, expert lectures, student mentoring or other student activities, etc.)
  - (2) geoscience education topics of regional interest, and
  - (3) possible avenues for outreach to local communities, educational institutions, civic/governmental leaders, and the media.

Success on this initiative will result from strong member input and dialog, so I encourage you to contact me [stjohnke@jmu.edu](mailto:stjohnke@jmu.edu) (540-568-6675) with your ideas and suggestions. I would greatly appreciate it.

- **Division Website Make-Over:** If you haven't visited the GED website, it is time to take a look. Go to: <http://gsaged.org/>. Hugh Rance, website manager, has been making some changes in content and appearance of our division website with the goal of improving communication and serving the members better. Let us know what you think. Please send your comments and suggestions to Hugh [hughrance@rcn.com](mailto:hughrance@rcn.com) and Kristen [stjohnke@jmu.edu](mailto:stjohnke@jmu.edu).

On behalf of the current management board, we are looking forward to serving the GED membership in the coming year. I encourage you to contact us with any questions, concerns, or ideas.

Kind Regards,



Kristen St. John  
Chair, Geoscience Education Division

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## ...and Notes from the 2008 GED Past Chair



Dear GED Members:

Congratulations to our very own GED newsletter editor, Mark Hafen. Mark is the first recipient of the Geoscience Education Division Distinguished Service Award, which was presented at the GED Business Meeting held during the GSA Annual Meeting. The GED management board created this award in 2007 to honor a member who has given outstanding service to the Division. As our longstanding newsletter editor, we felt that Mark was most deserving of this award. Please offer Mark a big "thank you" for his efforts!

*[Editor's Note: insert blushing here.]*

**Mark Hafen**

We hope you had a chance to see the new **Geoscience Education Division poster** on display at the GSA Annual Meeting. Earlier this summer, we put out a call for photo contributions featuring geoscience education in many venues, and GED members responded by submitted over 100 photos for consideration. Of these, the management board selected a dozen photos to appear on the new poster. We would like to thank the following GED members, whose photos appear on the 2007 poster:

Steve Bennett, Paulette Bond, Mark Hafen, Rich Hengst, Daphne Lapointe, Mark Leckie, Tibi Marin, Barb Tewksbury, Suzanne Traub-Metlay, and Rob Turner

In addition to the contributions of these members, we would also like to thank the following GED members for contributing photos for consideration:

Don Barrie, Bob Butler, Bill Elliott, Gail Gibson, Mark Howe, Jim Kipp, Steve Mattox, Steve May, Kata McCarville, Thomas McGuire, Nancy Mcmillan, Marli Bryant Miller, Ray Nance, Shelley Olds, Antoneta Seghedi, Todd Radenbaugh, and Laura Serpa

Thanks again to everyone who participated!

Julie Libarkin and I hosted an informal meeting of the **Geoscience Education Research Interest Group** during the GSA Annual Meeting in October. The interest group meeting was sponsored by the Geoscience Education Division and was financially supported by the Center for Research on College Science Teaching and Learning at Michigan State University and the Mallinson Institute for Science Education at Western Michigan University.

About 60 participants, including faculty, graduate students, postdoctoral fellows, and researchers, attended the meeting in order to meet, mingle, network, and share ideas about ongoing geoscience education research. We also had several international colleagues in attendance, including researchers from Canada and the UK.

One immediate outcome of the meeting was the establishment of a Geoscience Education Research list-serve. If you were unable to attend the meeting at GSA but would like to join the list-serve, simply send an email to [listserv@list.msu.edu](mailto:listserv@list.msu.edu). The body of the email should contain the SUBSCRIBE command: SUBSCRIBE GEOED-RESEARCH firstname lastname

Anyone interested in geocognition or geoscience education research should join; we look forward to learning from many new conversations!

Heather Petcovic  
Past Chair, Geoscience Education Division

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## GED Seeks Nominations for 2009 Division Second Vice-Chair

The Geoscience Education Division of the Geological Society of America is seeking candidates for the position of **second vice-chair** to join the executive board (2008 Chair – Kristen St. John; 2009 Chair, Elizabeth Nagy-Shadman; 2009 First Vice-Chair, Eric Pyle; Secretary-Treasurer, Bill Slattery). The job of second vice-chair entails executive board planning work and supervising the Biggs Award and other Division award processes. The second vice-chair moves up each succeeding year to first vice-chair, chair, and past chair, so the position is a four-year commitment. Attendance at the GSA Annual Meeting is strongly recommended during all four years of service. It's a great way to get to know your colleagues in the geoscience education world and to learn more about how GSA works.

If you are interested in running for this position, or if you would like to nominate someone else, please respond to Heather Petcovic, GED Past Chair, by June 1, 2008: [heather.petcovic@wmich.edu](mailto:heather.petcovic@wmich.edu). We will request a brief bio and statement of interest from each candidate on the ballot. Elections will be held in June, with the new member officially joining the board at the 2008 GSA Annual Meeting.

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## Internships Available in Scientific Drilling

DOSECC (Drilling, Observation and Sampling of the Earth's Continental Crust) internships promote involvement in projects where drilling has provided data and materials for study. Graduate and undergraduate students, as well as primary and secondary school teachers, are invited to apply. Interns can undertake research related to ongoing or past drilling efforts. Internship funding will be available in the summer of 2008 and budgets of \$2000 to \$5000 are appropriate. Applications must be received by March 1, 2008 and awardees will be announced April 1, 2008. In the past, a high percentage of applicants have been successful. Application details are listed on our website: [www.dosecc.org](http://www.dosecc.org). For additional information, contact a DOSECC representative at a member institution, or e-mail DOSECC's Education and Outreach Manager, David Zur at [dzur@dosecc.org](mailto:dzur@dosecc.org).

David Zur  
DOSECC

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## Two Opportunities in Science Education



Morehead State University invites applications for two tenure track, nine month appointments as Assistant or Associate Professors with expertise in:

- 1) Earth/Space Science Education, or
- 2) Physical Science Education

in the Department of Physical Sciences beginning August 7, 2008.

**Responsibilities:** Teach science education content and methods courses to pre-service and in-service candidates for preK-12 teaching at the undergraduate and graduate levels; teach at off-campus MSU centers, online, and through ITV; advise and mentor science education students; maintain an active scholarly agenda; and participate in service to students, the department, the university, schools, community, and professional organizations.

**Qualifications:** 1) Doctorate in science education and Master's degree or equivalent in an earth or space science discipline, or Doctorate in an earth or space science discipline and Master's degree or equivalent in science education. 2) Doctorate in science education and Master's degree or equivalent in a physical science

discipline, or Doctorate in a physical science discipline and Master's degree or equivalent in science education. ABDs will be considered if completion of the doctorate degree is by August 2008.

**Desired Qualifications:** Successful K-12 teaching experience.

Review of applications will begin on **January 30, 2008** and will continue until positions are filled.

To apply, visit: [www.moreheadstate.edu/novushrapps](http://www.moreheadstate.edu/novushrapps) to complete the MSU Application for Employment and upload a letter of application, curriculum vitae, transcripts, a cover letter addressing suitability with regard to responsibilities and qualifications for the position, a statement of teaching philosophy, three letters of reference, and transcripts. The online application must be completed; however, supporting documents can be mailed to: Office of Human Resources, Attn: 2 Sciences, Morehead State University, HM 101, Morehead, KY 40351. Files can be attached to your MSU Application for Employment after submitted by visiting the Applicant Home Page and clicking on "Manage Uploads." Morehead State University is an equal opportunity/affirmative action educator and employer with a strong commitment to community engagement.

Jen O'Keefe  
Morehead State University  
[j.okeefe@moreheadstate.edu](mailto:j.okeefe@moreheadstate.edu)

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## History of Science Syllabus Sampler Submissions Sought

The History of Science Syllabus Sampler volumes 1 (1992) and 2 (2001) have provided an invaluable resource to faculty members wishing to extend, enrich, and improve their approaches to history of science in the classroom. The Committee on Education announces the creation of a **third** sampler volume, building on and updating the strong tradition established by Henry Steffens, editor of Samplers I and II.

The third volume will be an online, rather than a print or "hardcopy" project. This will allow the syllabi to be readily available and easily cross-indexed. It will also eliminate printing and shipping costs and will allow for the inclusion of many more syllabi than a print version could accommodate.

The Sampler III project will include syllabi and syllabi sections for three broad categories of courses:

- **Majors:** History of Science Courses for History of Science Majors
- **Minors:** History of Science Courses as Enrichment in Other Majors
- **Harmonics:** History of Science Content for Non-History of Science Courses

Submissions will be evaluated by a referee committee. Those selected will be published as PDF documents accompanied by brief statements on course philosophy and organization by their authors. The deadline for submissions is **30 June 2008**.

Please consider submitting your own syllabi and encourage your colleagues, teachers, and students to submit their own.

All inquiries and submissions should be directed to the Editor: Julie R. Newell, HSS Committee on Education Chair 2007-08, [jnewell@spsu.edu](mailto:jnewell@spsu.edu).

Julie Newell  
Southern Polytechnic State University (Georgia)

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## History of Geology Division Student Awards

The GSA History of Geology Division is soliciting proposals for a student award for the amount of \$500. The selected paper will be given at the GSA Annual Meeting for that year. This award, established in 2004, is made possible by a bequest from the estate of Mary C. Rabbitt. Consideration will be given to both undergraduate and graduate students provided the person is a student in good standing at the time of application; the presentation at the GSA Annual Meeting may take place after graduation. Both oral and poster presentations are acceptable, but oral presentations are preferred. Faculty advisor(s) may be listed as second author(s), but not as the lead author of the paper. The proposed paper may be, but is not limited to: **(1)** A paper in the history

of geology; or **(2)** A literature review of ideas for a technical work or thesis/dissertation; or **(3)** Some imaginative aspect of the history of geology we have not thought of before.

The award consists of a plaque and a check for \$500 presented at the History of Geology Division luncheon, and the student will present the winning paper in the History of Geology Division disciplinary session at the next GSA Annual Meeting. It is open to all students regardless of discipline, provided the proposed paper is related to the history of a geological idea/person, etc. After the applications have been received and reviewed by the Award Committee, the winner will be notified. The winner should formally submit his/her abstract for the next GSA Annual Meeting and then register for that meeting in order to present his or her paper at the History of Geology Division disciplinary session. A ticket to the History of Geology luncheon will be provided for the student and a guest. The \$500 award and plaque will be presented and the student will be recognized at the annual luncheon. If there are multiple authors, the cash award will be presented to the senior author, and further distribution is up to that person.

Proposal guidelines and application forms are available from the Division website at <http://gsahist.org>, or if there are any questions about the award, please contact the Division Secretary-Treasurer, Chris Schuberth, [kyanite23@verizon.net](mailto:kyanite23@verizon.net). Nominees do not have to be members of the History of Geology Division or members of the Geological Society of America.

Due date for proposals and application is **May 1** each year, so that the proposal content can be reviewed and the selection made for the award in time to meet the official GSA deadline. Also in this way, the GSA abstract can, perhaps, be refined. The Division award committee will make the selection.

Chris Schuberth  
History of Geology Division

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## **GED Gets Kudos from GSA Council (we so rock...)**

The Geological Society of America thrives because of the work done by its members, especially in the divisions and sections. This is particularly true of the Geoscience Education Division, and I hope you all know that your work is deeply appreciated. We can all tell a multitude of stories of the misconceptions that exist in the general public about the Earth and Earth processes. The development of a scientifically literate citizenship—and geoscientifically literate as well—is a goal that will take all of us pulling together to achieve.

GSA's Geoscience Education Division plays a key role in this challenge, because the Division membership includes geoscientists from all disciplines, joining together to improve the nation's understanding of our planet, its history, and its resources. As the Division plans for 2008, be encouraged by knowing that GSA considers your work invaluable. Please don't hesitate to contact me at [nmcmilla@nmsu.edu](mailto:nmcmilla@nmsu.edu) if there is anything I can do to pave your way.

Nancy J. McMillan  
GSA Council Liaison to the Geoscience Education Division

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## **The Spirit of Geology: The ESPRIT Online Community**

The ESPRIT listserv began nearly two decades ago in New York State with a clunky IBM product called PSINET (people sharing information network). This slow, modem-based tool has grown into what is probably the most active geoscience education network in the world. There are currently about 1500 participants in most states and many foreign countries.

The physical location of the ESPRIT listserv is at Oneonta College in New York State and moderated by Dr. Jim Ebert. This is not an actively moderated list so anyone can post messages. But Jim and the more active members do a good job of keeping us focused on common educational needs. Participation has grown from a few discussions a week into about 20-50 messages a day. (Those who have a "day job" learn to hit the delete key – a lot.)

Discussions of teaching resources dominate the email traffic. A question of "Where do I find..." quickly draws many responses both on and off the public list. For example, recent discussions have included sharing web sites, dealing with student and parent Creationists, new classroom technology, and sequencing Earth science. A

free DVD of time lapse clips of tides on the Bay of Fundy was offered. A number of people with research degrees regularly contribute.

Some listees comment that this has been their most important in-service resource ever. This network helps connect many isolated individuals, especially new teachers or those who are the only geoscience person in their schools. It has even led to group projects and people visiting one another sight unseen.

For those who don't mind the high volume of traffic, this resource can be a great vehicle for professional development and a source of shared expertise. Subscription/unsubscription is easy and free at <http://employees.oneonta.edu/ebertjr/listserv.html> (bookmark that URL so you can sign off when the traffic is unwelcome, such as when you'll be away from email for days or weeks).

An informal group of listserv members (right) who gathered for several days of field experiences in the Adirondack Mountains of New York. Most came hundreds of miles and stayed at Marion Weaver's (second from left) Adirondack farmhouse.



The image to the left is from one of our field stops. This shows two of our group at Saratoga Springs Stromatolite fossils location. (Modern algal blooms are found in tidal pools of Western Australia.)

The image to the right is of us examining flow structures and mineral segregations in an exposure along the upper Hudson River.



Tom McGuire  
GED Member

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## Do You Know an Outstanding Earth Science Teacher?

The Geoscience Education Division recently voted to actively support the Outstanding Earth Science Teacher award program, run by the National Association of Geoscience Teachers, by providing complimentary memberships to OEST Section winners. NAGT would also like to encourage Geoscience Education Division members to become active in the program by seeking out and nominating outstanding earth science teachers in their local region. A full description of the program - and a copy of the nomination form - can be found online at <http://www.nagt.org/nagt/programs/oest.html>.

Please note that both formal and informal educators at the K-12 level are eligible and that nominees are not required to teach 100% earth science. As long as a teacher spends a significant amount of class time on earth science topics, and does an excellent job in the classroom, they can be nominated and will receive full consideration.

John R. Wagner  
Clemson University

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## EarthScope Needs You!

As the EarthScope MREFC (Major Research Equipment and Facilities Construction) phase approaches completion, the advisory structure for the EarthScope program is being revised to focus on its scientific goals. With this letter to the EarthScope community, we solicit nominations to populate the committees and working groups comprising the EarthScope advisory structure.

- EarthScope Steering Committee (ESSC), assisted by the EarthScope National Office (ESNO), will be the liaison between NSF and the EarthScope science community.

- EarthScope Education and Outreach Subcommittee (EEOSC), supported by the ESNO, will focus on the implementation of E&O activities, including coordination with other related E&O activities.
- EarthScope Cyber Infrastructure Subcommittee (ECISC) will provide advice for the continuing development of EarthScope cyberinfrastructure (data, data products, and information access and availability), including coordination with related cyberinfrastructure efforts.
- Thematic Working Groups (TWG) are being established for each of the EarthScope science themes. The TWGs are responsible for advocating for, communicating results of, and coordinating scientific advances.

For more information on the charge and current membership of each of these committees, descriptions of the TWGs and to nominate individuals for membership on these committees, please see [http://www.earthscope.org/about us](http://www.earthscope.org/about_us). Please include contact information and a brief biographical summary with nominations. Self-nominations are welcomed.

Nominations were due this year by January 10, 2008. A nominating committee chaired by current ESSC member Brad Hacker will provide the ESSC and NSF with recommendations for new committee and working group members by mid-February. We anticipate that a call for nominations will be issued annually.

EarthScope will need broad participation from the geoscience research community to fulfill its promise. Please do your part!

Robert J. Lillie  
Oregon State University

*[Editor's Note: the deadline for 2008 nominations passed before this newsletter could be published. However as noted, a call for nominations will be issued annually.]*

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## Be a GSA Fellow: You'll be in Good Company!

In an attempt to stimulate GSA Fellowship nominations and increase participation from the membership, GSA is actively soliciting nominations through its Divisions and Sections. The goal is to identify GSA Members who have not been nominated in the past and are deserving of Fellowship. This endeavor is supported by the Committee on Membership and the GSA Council.

We ask that your group identify colleagues in your field who are deserving of Fellowship by encouraging Fellows in your Division to make nominations. This can be accomplished by making this an agenda item, by placing nomination information on your website, or by contacting colleagues through your newsletters or other communiqués. As an example, the Hydrogeology Division has a page on their website <http://gsahydrodiv.unl.edu/GSAFellowship.htm> that encourages nominations within their field. This Division successfully nominates 10-15 new Fellows each year.

To help facilitate this task, we have attached a spreadsheet of GSA Fellows in each Division to help your Division determine if there are individuals who are not on this list that are deserving of GSA Fellowship.

Thank you in advance for your support of GSA Fellowship. If you have any questions or comments, please do not hesitate to contact myself at the below email or phone number, or Diane Lorenz Olsen, Program Officer of GSA Grants, Awards, and Recognition at [dlorenz@geosociety.org](mailto:dlorenz@geosociety.org) or 303-357-1028.

Fellowship Nominations are due **1 February 2008**. General information can be found at <http://www.geosociety.org/grants/> and specific nomination information can be located at <http://www.geosociety.org/members/fellow.htm>.

Pat Kilner  
Director of Membership Development  
Geological Society of America

*[Editor's Note: Below is a list of your fellow GED members, listed in chronological order according to when they became GSA Fellows.]*

Name	Date	Name	Date	Name	Date
John S. Shelton	Jan 1949	Arthur D. Cohen	Jan 1982	Daniel P Murray	Jan 1996
Ralph Langenheim Jr.	Jan 1956	P. Geoffrey Feiss	Jan 1982	Margaret N. Rees	Jan 1996
Donald B. McIntyre	Jan 1957	Kuo-Liang Pan	Jan 1982	Robert W. Ridky	Jan 1996
James W. Skehan, SJ	Jan 1959	Assad I. Panah	Jan 1982	Philip A. Sandberg	Jan 1996
Gerald M. Friedman	Jan 1961	Caryl Edward Buchwald	Jan 1983	Marilyn J. Suiter	Jan 1996
Norbert E. Cygan	Jan 1964	Louis A. Fernandez	Jan 1983	Michael L. Cummings	Jan 1997
Arthur A. Socolow	Jan 1964	James C. Walters	Jan 1983	Vicki L. Hansen	Jan 1997
Howard R. Cramer	Jan 1965	Floyd W. McCoy	Jan 1984	R. Heather Macdonald	Jan 1997
Arthur Mirsky	Jan 1966	M. James Aldrich	Jan 1986	Noel Potter	Jan 1997
G. Gordon Connally	Jan 1967	Gail M. Ashley	Jan 1987	Richard L. Sedlock	Jan 1997
Dean A. McManus	Jan 1967	Lawrence W. Braile	Jan 1987	Robert J. Stern	Jan 1997
Carleton B. Moore	Jan 1967	Robert F. Butler	Jan 1988	Kenneth L. Verosub	Jan 1997
Eldon Joseph Parizek	Jan 1967	William M. Jordan	Jan 1989	Peter N. Webb	Jan 1997
Christopher J. Schubert	Jan 1967	Stanley R. Riggs	Jan 1989	Philip C. Goodell	May 1998
Edward C. Stoeber Jr.	Jan 1967	John R. Carpenter	Jan 1991	Lawrence A. Krissek	Oct 1998
William D. Romey	Jan 1969	John R. Giardino	Jan 1991	Garry D. McKenzie	Oct 1998
James R. Underwood Jr.	Jan 1969	Stephen J. Reynolds	Jan 1992	Ian D. MacGregor	May 1999
Monem Abdel-Gawad	Jan 1972	Ben A. van der Pluijm	Jan 1992	Ezat Heydari	Oct 1999
H. Robert Burger	Jan 1972	John D. Vitek	Jan 1992	Jacqueline E. Huntoon	Oct 1999
George Michael Clark	Jan 1972	Genevieve Atwood	Jan 1993	Carl N. Drummond	May 2000
James F. Davis	Jan 1972	Alexander E. Gates	Jan 1994	Gary A. Smith	May 2000
William G. Melson	Jan 1972	Catherine J. Hickson	Jan 1994	Barbara J. Tewksbury	Nov 2000
Richard C. Stenstrom	Jan 1972	David W. Love	Jan 1994	David A. Lopez	Oct 2001
Warren E. Yasso	Jan 1973	Robert W. Baker	Jan 1995	Allen J. Dennis	Apr 2002
Priscilla Croswell Grew	Jan 1974	Bruce A. Blackerby	Jan 1995	Karen S. Harpp	Apr 2002
Curtis H. Elder	Jan 1975	Bonnie Blackwell	Jan 1995	H. L. Vacher	Apr 2002
Murray Felsher	Jan 1975	Allan Donaldson	Jan 1995	Vincent S. Cronin	May 2003
Raymond Pestrong	Jan 1975	Gary H. Girty	Jan 1995	Scott F. Burns	Apr 2004
Larry D. Woodfork	Jan 1975	William W. Locke	Jan 1995	Eugene F. Pearson	Apr 2004
Patrick T. Taylor	Jan 1977	James Nicholls	Jan 1995	Janis D. Treworgy	Apr 2005
William I. Rose	Jan 1978	Laura F. Serpa	Jan 1995	Margaret E. Rusmore	Apr 2006
Robert C. Whisonant	Jan 1980	Walter S. Snyder	Jan 1995	Stephen M. Testa	Apr 2006
John W. Williams	Jan 1980	Edward E. Geary	Jan 1996	Anne E. Carey	Apr 2006
Donald M. Burt	Jan 1981	Karen Grove	Jan 1996	Marli B. Miller	Apr 2007
Joseph S. Gates	Jan 1981	Paul K. Link	Jan 1996	Tina M. Niemi	Apr 2007

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## Start Planning for GSA 2008!

Fall 2008 opportunity...

Follow your News Year's resolution to plan ahead! This session, sponsored by Geoscience Ed Division, NAGT, GSA Geoinformatics Division, and GSA Div of Geology and Society will be looking for contributors:

### ***Propagating Geoinformatics and Virtual Globe Resources into the K-12 Environment: Integrating Spatial Earth System Data with Classroom Science for a Future Workforce***

Cathy Connor and Anupma Prakash are session organizers.

Cathy Connor  
University Alaska Southeast

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## Field Geology: *Far Afield*

The Faculty of Earth Sciences at China University of Geosciences (CUG) in Wuhan, China, and the Department of Geological Sciences at the University of Texas at San Antonio (UTSA) are collaborating to develop a field geology course to be held in China.

This course will be open to both undergraduate and graduate students in the United States of America. We plan to offer this course in the summer of 2009. This course will build upon current collaborations between these institutions, specifically Dr. Zuoxun Zeng (structural geology) at CUG [zuoxun.zeng@126.com](mailto:zuoxun.zeng@126.com) and Dr. Stuart Birnbaum (sedimentology) at UTSA [stuart.birnbaum@utsa.edu](mailto:stuart.birnbaum@utsa.edu).

Stuart Birnbaum  
University of Texas at San Antonio

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## Help GSA Reward Young Scientists

VOLUNTEER TO BE A JUDGE! GSA provides three special awards for earth science project excellence at the Intel International Science and Engineering Fair. We are seeking judges for this prestigious event, to be held in Atlanta, Georgia, May 14-16, 2008. There are no funds for this position, so we are looking for GSA members living near or willing to travel to Atlanta and donate their time. If you are interested in this fascinating and rewarding volunteer activity, please contact Chris McLelland at [educator@geosociety.org](mailto:educator@geosociety.org) or 303-357-1082.

Chris McLelland  
GSA Distinguished Earth Science Educator in Residence

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## Cochise Virtual Geology Museum Keeps Growing

The Cochise College Geology Home Page is now also the Virtual Geology Museum. This educational geology website has grown tremendously this past year. There are now over 7700 photos of minerals, rocks, fossils, gems, and meteorites, copyright free for non-commercial educational uses. In addition, there are now more than 160 web pages created by Cochise College students on a wide variety of geology topics; these web pages are excellent mini-lectures.

The Bibliography of Arizona Geology continues to grow. Virtual geology field trips to Catalina Island, California, Mount Saint Helens, and Santorini in Greece have been added. "Opal's Pals" is a new feature that consists of a collection of 128 geology cartoons to help spice up your lectures. After early February, 2008, a new collection of photos from the Tucson gem and mineral shows will be added to the photographic collections.

The fastest means of locating these websites is to on Google and search for either "cochise geology" or "virtual geology museum". If you would like see new geology topics added to the website or would like to contribute your geology photos to this project, please contact me at [weller@cochise.edu](mailto:weller@cochise.edu). There have been over 1.5 million page views from visitors in 176 countries to the Cochise Geology Home Page since October 2005.

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