

## IN MEMORIAM

Christopher J. Schubert (1933-2008)



Although the membership has already been notified that Chris died on May 13, 2008, it is fitting that in our Newsletter we pay honor to his memory, as he had been recently elected to serve as the Secretary-Treasurer-Editor for the History of Geology Division.

Chris was a veteran of the Korean War and a teacher and author. His most recent position, before retirement, was at Armstrong Atlantic State University in Savannah, Georgia. He is remembered there with these words: *Chris was the calm in many a storm within the College of Education at Armstrong. I missed his level head and sage advice when he returned home. He also took with him his expertise in rocks. I thought they were pretty - he taught me that they were full of history. May your family find solace in the knowledge that he was respected and he was loved. He left a void at Armstrong Atlantic State University that no one has been able to fill. Chris, may your soul roam freely throughout the geology fields of this magnificent world for all eternity.* [Pamela Harwood (Savannah, GA)]. Chris also taught courses at the nearby military base: *We at the Army Education Center at Fort Stewart were honored to have known Professor Schubert. He was the AASU face for the Troops to Teachers program and spent much time helping Soldiers and Family members pursue their desire to teach. He was a delight to be around and will be sorely missed.* [Pamela King (Fort Stewart, GA)].

*As gifted a teacher and lecturer as he was, Chris was first, last, and always a **geologist** - by training, by love and with passion. Secondly, he was an avid naturalist in the best 19th century tradition. The mountains of geology-rich material (written, photographs/slides of every visited site, specimens and correspondence) at our home and the frequent relevant discussions he held with me attest to this. Throughout his life he exhibited a vibrant curiosity about the natural world, and a deeply-held belief in the process of science as a way to further human achievement.* (Judith Schubert)

Chris, also, was well known for his many books about the geology in and around New York City, especially *The Geology of New York City and Environs*, which he published in 1968.

Chris is survived by his beloved wife Judith (née Freedman) and his children Karin M. Schubert Bruner, Paul C. Schubert and his wife Ashley. He was the Grandfather of Kara, Alec, Isabelle, Kyle, Catherine and William, and he is also survived by his brother-in-law Alan P. Freedman. Contributions can be made in his memory to: Friends of the Evesham Library, P.O. Box 1024, Marlton, NJ 08053-1024.

All of us in the History of Geology Division/GSA join in extending our deepest sympathies and condolences to Judith Schubert and the Schubert family. We will miss his great enthusiasm and leadership in our Division.

## DIVISION BUSINESS

Bill Brice kindly agreed to come out of retirement and assist with this edition of the Newsletter and to work with the new Division Secretary-Treasurer-Editor, Dr. Jane P. Davidson, Professor of History of Art at the University of Nevada-Reno.

Dr. Davidson, with degrees in history and history of art, will bring a fresh perspective to our Division. Her connection to the history of geology comes through biography, art and paleontology, specifically with her books:

*The Bone Sharp: The Life of Edward Drinker Cope.* Academy of Natural Sciences of Philadelphia, Philadelphia, PA, 1997.

and

*A History of Paleontology Illustration.* Indiana University Press, 2008.

Her temporary appointment was approved by the Division officers in June, and she will be put forward by the nominating committee at the Houston meeting for a full term as Secretary-Treasurer-Editor. Her abbreviated *c.v.* is given below:

### Degrees:

B.A. History, LSU, 1969; M.A. United States History, LSU, 1970; M.A. History of Art, University of Kansas, 1973; M.Phil. History of Art, (Flemish painting, 17th century) Univ. of Kansas, 1974; Ph.D. History of Art, (Flemish painting, 17th century) Univ. of Kansas, 1975

### Areas of specialty:

Art History - 17th Century Flemish Painting; History of Witchcraft Iconography 1400-1900; David Teniers the Younger (Flemish, 1610-1690)

History of Science: History of paleontology; Edward Drinker Cope(1840-1897); History of Paleontology Illustration

United States History: New Deal era sociocultural history

**Employed** by UNR since 1978, Full Professor since 1988. Chair of Art Dept. UNR, 1983; 1988-1990. Prior to that, Assistant Professor of History of Art, Northern Arizona University, 1975-1978.

### Publications: Books:

*David Teniers the Younger.* Westview Press, Boulder, CO, 1979.

*David Teniers the Younger.* European Edition, Thames and Hudson, London, 1980.

*Calvinistic Economy and 17th Century Dutch Art.* With Erik Larsen. University of Kansas Regents Press, 1979.

*Calvinistic Economy and 17th Century Dutch Art.* With Erik Larsen, reprinted 2nd edition, University Press of America, Lanthan MD, 1999.

*The Witch in Northern European Art 1470-1750.* Luca Verlag, Freren, Germany, 1987.

*Hexen in der Nordeuropaischen Kunst 1470-1750.* Tr. by C. Wiemken, Luca Verlag, Freren, Germany, 1988.

*The Bone Sharp: The Life of Edward Drinker Cope.* Academy of Natural Sciences of Philadelphia, Philadelphia, PA, 1997.

*A History of Paleontology Illustration.* Indiana University Press, 2008.

**A note from Jane to the membership:** I am honored to take up the role of Secretary/Treasurer/Editor and thank everyone for their confidence in me. Please contact me if there is anything I can do for you, or any item you wish to bring to my attention for forthcoming issues of our Newsletter. My address is listed at the end of this Newsletter. Jane

We all welcome Jane as our Secretary-Treasurer-Editor.

2008 Joint Annual Meeting  
Celebrating the International Year of Planet Earth  
5–9 October • Houston, Texas, USA

This will be a joint meeting between The Geological Society of America (GSA), Soil Science Society of America (SSSA), American Society of Agronomy (ASA), Crop Science Society of America (CSSA), and the Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM (GCAGS), and hosted by the Houston Geological Society (HGS).

For meeting information, go to the GSA web site: <http://www.geosociety.org/meetings/>

Don't forget to register: <https://www.acsmeetings.org/registrations/>

The Division is sponsoring and co-sponsoring several different events, so be sure to check the schedule carefully so you do not miss any of them in the confusion of such a large meeting. Unfortunately due to a scheduling overlap, you will have to choose between the field trip and the Darwin session.

### **PRE-MEETING FIELD TRIP**

#### **412. History of Oil and Gas Exploration in Southeast Texas.**

Sat., 4 Oct. *Cosponsored by GSA History of Geology Division.*

Neal Immega. Price: \$US85 (L, R).

The trip will begin with a motor-coach ride from the convention center to Galveston to visit the Ocean Star Offshore Drilling Rig and Museum. A harbor ferry will shuttle participants to High Island to view pumping units on the giant salt dome. After that, there will be a short drive to Beaumont for tours of the Texas Energy Museum and Spindletop-Gladys City Boomtown Museum, a demonstration of a gusher, and then return to the convention center.

### **WORKSHOP**

#### **515. Teaching Darwin.**

Sat., 4 Oct., 9 am-12:00 noon. *Cosponsored by GSA History of Geology Division.*

Leo F. Laporte, Univ. of California at Santa Cruz. Limit: 50. Fee: US\$70. CEU: 0.4.

The purpose of this workshop is to enable participants to develop a course of their own on Darwin. Workshop leader Leo Laporte taught a course on Darwin for many years at the University of California at Santa Cruz. He has taught this workshop previously and has developed a Web site of resources for a Darwin course. 2009 will be the 150th anniversary of the publication of *On the Origin of Species* and also the 200th anniversary of Darwin's birth. The GSA History of Geology Division is pleased to sponsor this timely workshop. Contact Leo Laporte [laporte@ucsc.edu](mailto:laporte@ucsc.edu) if you have any questions.

## TECHNICAL SESSIONS

### 1) Historical links between soil sciences and geology:

This session is a special “Z-Series session of SSSA-ASA-CSSA,” and our Division is a co-sponsor.

<http://crops.confex.com/crops/2008am/techprogram/S4460.HTM>

Monday, October 6, 2008: 9:00 AM

## George R. Brown Convention Center, 360AB

### 523: Historical Links Between Soil Science and Geology

Sponsor:	Z04 S205.1 Council on the History, Philosophy, and Sociology of Soils
Cosponsors:	GSA Archaeological Geology; GSA History of Geology; IUSS Commission 4.5
Organizers:	<b>Edward Landa, USGS</b> <b>Benjamin Cohen, University of Virginia</b>
9:00 AM	Introductory Remarks
9:05 AM	<a href="#">History Matters: Links between Environmental History and Environmental Science.</a> <b>Martin Melosi, University of Houston</b>
9:50 AM	<a href="#">Soil Geomorphology in the United States.</a> <b>Vance T. Holliday, University of Arizona</b>
10:05 AM	Break
10:20 AM	<a href="#">A Fruitful Synthesis: Soil Science and Geology in Russia, 1880-1930.</a> <b>Lloyd Ackert, Drexel University</b>
10:35 AM	<a href="#">Geologic Mentoring of Early Soil Surveyors.</a> <b>Eric C. Brevik, Dickinson State University</b>
10:50 AM	<a href="#">Historical Descriptions of Soils and Landscapes of the Texas Gulf Coast.</a> <b>Darrell G. Schulze, Purdue University</b>
11:05 AM	<a href="#">Interrelationship of Pedologic and Geological Mapping.</a> <b>Ahmet Ruhi Mermut, University of Saskatchewan, Dan Yaalon, The Hebrew University of Jerusalem,</b>
11:20 AM	<a href="#">The Pre-History of Soil Science: Jethro Tull, the invention of the Seed Drill and the Foundations of Modern Agriculture.</a> <b>Laura B. Sayre, Independent Scholar</b>
11:35 AM	Break
1:50 PM	<a href="#">The Ties That Bind: A Glimpse at the Life and Career of William Edgar Tharp.</a> <b>Edward Landa, USGS</b>
2:05 PM	<a href="#">William Edgar Tharp and Hugh Hammond Bennett: Early Soil Survey Interpretations for Agricultural Progress.</a> <b>J. Douglas Helms, USDA-NRCS</b>
2:20 PM	<a href="#">Marie Tharp: The Lady Who Showed Us the Ocean Floors.</a> <b>Gary North, North Arrow, Ltd.; US Geological Survey (retired)</b>
2:40 PM	<a href="#">What the Antebellum Farmer Knew and Why Anyone Cared: A Story for Today about the Moral Basis from Which Soil Science and Geology Were Born.</a> <b>Benjamin Cohen, University of Virginia</b>
2:55 PM	<a href="#">The International Humic Substances Society (IHSS) as a Link Between Geology, Hydrology and Soil Science through Organic Matter Studies: A Historical Perspective.</a> <b>Christian Feller, IRD - Institut pour la Recherche et le Developpement, Yona Chen, Hebrew University of Jerusalem, Michel Brossard, IRD - Institut pour la Recherche et le Developpement, Edward Landa, USGS, Jean Trichet, Université d'Orléans</b>
3:15 PM	Break
3:30 PM	<a href="#">The Common Histories of SSSA and The Clay Minerals Society.</a> <b>Joseph W. Stucki, University of Illinois-Urbana-Champaign</b>
3:50 PM	<a href="#">The Role of Lysimeters in the Development of Our Understanding of Water Dynamics in Ecosystems.</a> <b>Michael J. Goss, University of Guelph, Wilfried Ehlers, Georg-August University</b>
4:10 PM	<a href="#">Agriculture and the Erosion of Civilizations.</a> <b>David R. Montgomery, University of Washington</b>
4:25 PM	Concluding Remarks
4:40 PM	Adjourn
Cosponsors:	GSA Archaeological Geology; GSA History of Geology; IUSS Commission 4.5

### 2) Topical Session 207. Alpine concepts in geology and the evolution of geological thought.

[http://gsa.confex.com/gsa/2008AM/finalprogram/session\\_21203.htm](http://gsa.confex.com/gsa/2008AM/finalprogram/session_21203.htm)

Cosponsored by GSA History of Geology Div; GSA Structural Geology & Tectonics Div; GSA International Div; GSA Geophysics Div; National Association of Geoscience Teachers.

Many concepts in modern geology, such as nappe tectonics, continental subduction, ophiolites, flysch, molasse, high-P metamorphism, have their roots in Alpine studies, and these Alpine concepts have led to the formulation of major theories in geology over the centuries. In this session, we will examine the nature, history, significance, and current validity of Alpine concepts in the evolution of geological thought and their impact on the North American geology. Schedule follows:

8:00 AM-12:00 PM, George R. Brown Convention Center: 361C

**T207. Alpine Concepts in Geology and the Evolution of Geological Thought**

Yildirim Dilek, W. G. Ernst and Giovanni B. Piccardo, Presiding

Paper #	Start Time	
475-1	8:00 AM	<a href="#">The "Classification" of Mountains in the Alpine Region during the 18th Century</a> : <b>VACCARI, Ezio</b> , Dipartimento di Informatica e Comunicazione, Università dell'Insubria, via Mazzini 5, Varese 21100 Italy, ezio.vaccari@uninsubria.it
475-2	8:15 AM	<a href="#">Alpine Geology and Geosynclines: Birth and Death of the Concept In a Small Mountain Range</a> : <b>SCHAER, Jean-Paul</b> , Institut de Géologie, Université de Neuchâtel, 11 rue Émile Argand, Neuchâtel, 2007, Switzerland, Jean-Paul.Schaer@unine.ch and <b>SENGÖR, A.M. Celâl</b> , Avrasya Yerbilimleri Enstitüsü ve Jeoloji Bölümü, İstanbul Teknik Üniversitesi, Ayazaga, İstanbul, 34469, Turkey
475-3	8:30 AM	<a href="#">Discovery of Strike-Slip Faulting In the Alps</a> : <b>SENGÖR, A.M. Celâl</b> , Jeoloji Bölümü, İstanbul Teknik Üniversitesi, Ayazağa, İstanbul 34469 Turkey, sengor@itu.edu.tr
475-4	8:45 AM	<a href="#">Mountain Building Paradigms and New Tools for Tectonic Analysis In the Continental Crust of the European Alps</a> : <b>GOSSO, Guido</b> and <b>SPALLA, Maria Iole</b> , Dipartimento di Scienze della Terra "Ardito Desio" and CNR-IDPA, Università di Milano, Via Mangiagalli 34, Milano, 20133, Italy, guido.gosso@unimi.it
475-5	9:00 AM	<a href="#">Tectonic Analysis Vs Numerical Modelling: Insight from the Polycyclic Continental Lithosphere of the Alps</a> : <b>SPALLA, Maria Iole</b> <sup>1</sup> , <b>MAROTTA, Anna Maria</b> <sup>2</sup> , <b>GOSSO, Guido</b> <sup>1</sup> , <b>SALVI, Francesca</b> <sup>3</sup> , and <b>ZUCALI, Michele</b> <sup>3</sup> , (1) Dipartimento di Scienze della Terra "Ardito Desio", Sezione di Geologia and CNR-IDPA, Università di Milano, Via Mangiagalli 34, Milano, 20133, Italy, iole.spalla@unimi.it, (2) Dipartimento di Scienze della Terra "Ardito Desio", Sezione di Geofisica, Università di Milano, Via Cicognara 7, Milano, 20129, Italy, (3) Dipartimento di Scienze della Terra "Ardito Desio", Sezione di Geologia, Università di Milano, Via Mangiagalli 34, Milano, 20133, Italy
475-6	9:15 AM	<a href="#">Alpine Definition of Ophiolites and Oceanic Lithosphere and the Evolution of Geological Thought</a> : <b>DILEK, Yildirim</b> , Geology Department, Miami University, Oxford, OH 45056, dileky@muohio.edu and <b>PICCARDO, Giovanni B.</b> , DIPTERIS, University of Genova, Corso Europa, 26, Genova, I-16132, Italy, piccardo@dipteris.unige.it
475-7	9:30 AM	<a href="#">New Ophiolite Classification</a> : <b>DILEK, Yildirim</b> , Dept of Geology, Miami University, Oxford, OH 45056, dileky@muohio.edu and <b>FURNES, Harald</b> , Department of Earth Science & Centre for Geobiology, University of Bergen, Allegaten 41, Bergen, 5007, Norway
475-8	9:45 AM	<a href="#">Mantle Evolution from Continental Rifting to Ocean Birth: The Record of Alpine-Apennine Ophiolitic Peridotites</a> : <b>MONTANINI, Alessandra</b> , Dipartimento di Scienze della Terra, University of Parma, Viale G.P. Usberti 157A, Parma, I-43100, Italy, alessandra.montanini@unipr.it, <b>PICCARDO, Giovanni B.</b> , DIPTERIS, University of Genova, Corso Europa 26, Genova, I-16132, Italy, piccardo@dipteris.unige.it, and <b>TRIBUZIO, Riccardo</b> , Dipartimento di Scienze della Terra, University of Pavia, via Ferrata 1, Pavia, I-27100, Italy
475-9	10:00 AM	<a href="#">Pre-Alpine Rifting and Alpine Subduction Signature in the Cima Della Sassa Gabbro (Dent Blanche nappe, Valpelline, Western Alps)</a> : <b>GOSSO, Guido</b> , <b>SPALLA, M. Iole</b> , and <b>BALETTI, Luca</b> , Dipartimento di Scienze della Terra "A. Desio", Università di Milano, Via Mangiagalli, 34, Milano, 20133, Italy, guido.gosso@unimi.it
475-10	10:15 AM	<a href="#">Contribution of Petrologic Studies from the Western Alps to the Understanding of the HP / UHP Metamorphism</a> : <b>COMPAGNONI, Roberto</b> , Department of Mineralogical and Petrological Sciences, University of Torino, Via Valperga Caluso 35, Torino 10125 Italy, roberto.compagnoni@unito.it
475-11	10:30 AM	<a href="#">High- and Ultrahigh-Pressure Metamorphism—a View from the Western and Central Alps</a> : <b>ERNST, W.G.</b> , Geological and Environmental Sciences, Stanford University, Building 320, Room 118, Stanford, CA 94305-2115, wernst@stanford.edu

- 475-12 10:45 AM [Metasomatic Influx of LILE-Enriched Complex Brines at UHP Conditions In Dora-Maira Whiteschists \(western Alps\): Petrology and Fluid Inclusion Data](#): FERRANDO, Simona<sup>1</sup>, FREZZOTTI, Maria Luce<sup>2</sup>, PETRELLI, Maurizio<sup>3</sup>, and **COMPAGNONI, Roberto**<sup>1</sup>, (1) Department of Mineralogical and Petrological Sciences, University of Torino, Via Valperga Caluso 35, Torino, 10125, Italy, roberto.compagnoni@unito.it, (2) Scienze della Terra, University of Siena, Via Laterina 8, Siena, 53100, Italy, (3) Department of Earth Sciences, University of Perugia, P.zza Università 1, Perugia, 06100, Italy
- 475-13 11:00 AM [Late Collisional Plutons as a Key to Constrain the Exhumation of Continental HP Units: An Example from the Italian Western Alps](#): **ZANONI, Davide**, Department of Geology, University of New Brunswick, 2, Bailey Drive, Fredericton, NB E3B 5A3, Canada, dzanoni@unb.ca, SPALLA, Maria Iole, Dipartimento di Scienze della Terra "Ardito Desio", Università di Milano and CNR-IDPA, Via Mangiagalli, 34, Milano, 20133, Italy, and GOSSO, Guido, Dipartimento di Scienze della Terra "A. Desio", Università di Milano and CNR-IDPA, Via Mangiagalli, 34, Milano, 20133, Italy
- 475-14 11:15 AM [Recognition of Alpine-Type Tectonics and Its Re-Interpretation as Subduction Tectonics In Japan](#): **OGAWA, Y.** and HISADA, Ken'ichiro, Earth Evolution Sciences, University of Tsukuba, Tennodai, 1-1-1, Tsukuba, 305-8572, Japan, fyogawa45@yahoo.co.jp
- 475-15 11:30 AM [Tectonic Facies Concept Based upon An Alpine Model as Applied to the Geology of Tibet](#): **HSÜ, Kenneth J.**, Center for Environment and Health Engineering, Henan University, Kaifeng, 1234, China, kenjhsu@aol.com and XIAOHAN, Liu, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China
- 475-16 11:45 AM [Alpine Tectonics and the Western US Cordillera](#): **MOORES, Eldridge M.**, Department of Geology, University of California, One Shields Ave, University of California, Davis, CA 95616, [moores@geology.ucdavis.edu](mailto:moores@geology.ucdavis.edu)

3) Topical Session 208. **History of the influence of religion on geology and geology on religion.**

[http://gsa.confex.com/gsa/2008AM/finalprogram/session\\_21710.htm](http://gsa.confex.com/gsa/2008AM/finalprogram/session_21710.htm)

This is our annual Division special session, and few topics have been more in the news for the last 150 years or so, than the connection, or lack thereof, between religion and geology. The topic was explored last year at the INHIGEO conference, and this session will extend that discussion to this side of the Atlantic. Steve.

**Session No. 538**

**Tuesday, 7 October 2008**

1:30 PM-5:30 PM, George R. Brown Convention Center: 361C

**T208. History of the Influence of Religion on Geology and Geology on Religion**

Stephen M. Rowland and Julie Newell, Presiding

**Paper # Start Time**

- 1:30 PM Introductory Remarks
- 538-1 1:35 PM [Ancient Wisdom, Religious Authority and Early Geology](#): **MAGRUDER, Kerry V.**, History of Science Department, University of Oklahoma, 601 S. Elm St., PHSC 621, Norman, OK 73019, [kmagruder@ou.edu](mailto:kmagruder@ou.edu)
- 538-2 1:50 PM [Religion and Geology: Explaining Earthquakes in the Early Modern Atlantic World](#): **STEPHENSON, Jamie**, History, University of Minnesota, 2220 E. Franklin Ave., #328, Minneapolis, MN 55404, [queenisabella@mindspring.com](mailto:queenisabella@mindspring.com)
- 538-3 2:05 PM [Jefferson, Religion, and Megalonyx: The Role of Religion in Thomas Jefferson's Resistance to the Concept of Extinction](#): **ROWLAND, Stephen M.**, Department of Geoscience, University of Nevada Las Vegas, Box 454010, Las Vegas, NV 89154-4010, [steve.rowland@unlv.edu](mailto:steve.rowland@unlv.edu)

- 538-4 2:25 PM [Genesis and Geology in America: The Cooper—Silliman—Stuart Debate, 1829-1839](#): **NEWELL, Julie**, Social and International Studies, Southern Polytechnic State University, 1100 S. Marietta Parkway, Marietta, GA 30060, [jnewell@spsu.edu](mailto:jnewell@spsu.edu)
- 538-5 2:40 PM [Archibald Geikie on the Last Elevation of Scotland](#): **WILSON, Leonard G.**, Saint Paul, MN 55105, [wilso004@umn.edu](mailto:wilso004@umn.edu)
- 538-6 2:55 PM [Sir John William Dawson \(1820–1899\): Some Aspects of His Reconciliation of Scripture and Geology](#): **AALTO, K.R.**, Geology, Humboldt State University, Arcata, CA 95521, [kra1@humboldt.edu](mailto:kra1@humboldt.edu)
- 3:10 PM Break
- 538-7 3:25 PM [Has Evangelicalism influenced geology?](#): **ROBERTS, Michael B.**, Dept of History, Lancaster University, The Vicarage, 5 Lancaster Road, Cockerham, Lancaster LA2 0EB United Kingdom, [michael.andrea.r@ukonline.co.uk](mailto:michael.andrea.r@ukonline.co.uk)
- 538-8 3:45 PM [The Mistaken Rejection of Evolution: How Did Mainstream Christian Fundamentalism Come to Misconstrue the Role of the Hypothesis In Science?](#): **GREER, Penny**, Geology and Physics, The University of Southern Indiana, 8600 University Blvd, Evansville, IN 47712, [greerpen@gmail.com](mailto:greerpen@gmail.com)
- 538-9 4:05 PM [Intelligent Design: A Protean Problem](#): **CAMPBELL, David C.**, Biological Sciences, University of Alabama, 425 Scientific Collections, Box 870345, Tuscaloosa, AL 35487-0345, [amblema@bama.ua.edu](mailto:amblema@bama.ua.edu)
- 538-10 4:20 PM [The Power of God and the Role of Evidence in Creationist Thought](#): **PETERS, Richard A.**, Religion, Boston University, 145/147 Bay State Road, Boston, MA 02215, [rrrickardo@gmail.com](mailto:rrrickardo@gmail.com)
- 538-11 4:35 PM [Models of Geoscience for Current Faith-Based Outreach](#): **GREENBERG, Jeffrey K.**, Geology, Wheaton College, Wheaton, IL 60187, [jeffrey.k.greenberg@wheaton.edu](mailto:jeffrey.k.greenberg@wheaton.edu)

#### 4) General History of Geology Session:

[http://gsa.confex.com/gsa/2008AM/finalprogram/session\\_22673.htm](http://gsa.confex.com/gsa/2008AM/finalprogram/session_22673.htm)

This session provides an opportunity to see and hear what our colleagues are doing and what topics they are exploring. Also, it is in this session that our two Student Award winners will present their papers. Make sure to attend and support your colleagues and the next generation of historians. [At the time of the publication of the Newsletter, the order of the student papers had not been determined. Editor]

### Session No. 592 Wednesday, 8 October 2008

1:30 PM-5:30 PM, George R. Brown Convention Center: 310CF

## History of Geology

Stephen M. Rowland and Julie Newell, Presiding

#### Paper # Start Time

- 1:30 PM Introductory Remarks
- 592-1 1:35 PM [History of the Study of Mudstones since 1556](#): **POTTER, Paul E.**, Department of Geology, Univ of Cincinnati, Cincinnati, OH 45221-0013, [mcdadea@ucmail.uc.edu](mailto:mcdadea@ucmail.uc.edu), **MAYNARD, J. Barry**, Department of Geology, University of Cincinnati, PO Box 0013, Cincinnati, OH 45221-0013, and **HUFF, Warren D.**, Dept. of Geology, Univ of Cincinnati, Cincinnati, OH 45221
- 592-2 1:50 PM [Richard Kirwan \(1733-1812\): Again](#): **NEWCOMB, Sally**, retired, 13120 Two Farm Drive, Silver Spring, MD 20904, [senewcomb@earthlink.net](mailto:senewcomb@earthlink.net)
- 592-3 2:05 PM [The Anaconda Copper Mining Company and the development of geological mine maps at Butte, Montana, 1890-1910](#): **BOLAND, Maeve A.**, Geology & Geological Engineering, Colorado School of Mines, 1516 Illinois Street, Golden, CO 80401, [mboland@mines.edu](mailto:mboland@mines.edu)
- 592-4 2:20 PM [" Devil's Tails " from the Frozen Land of the " Devil-Fish ": Stegosaurus Remains from Wyoming](#)

[in the Late 1800s and Early 1900s](#): BREITHAUPT, Brent H., Geological Museum, University of Wyoming, Laramie, WY 82071, uwgeoms@uwyo.edu, SOUTHWELL, Elizabeth H., Geological Museum, University of Wyoming, Laramie, WY 82071, and MATTHEWS, Neffra A., Geological Museum, Univ of Wyoming, Laramie, WY 82071

- 592-5 2:35 PM [Data behind Powell's Uinta Mountain Report: The 1871 Contributions of F.M Bishop and John Steward](#): BIELER, David B., Department of Geology, Centenary College of Louisiana, Shreveport, LA 71134, dbieler@centenary.edu
- 592-6 2:50 PM [The Past Can Be the Key to the Present: Lessons from J.W. Powell's Nineteenth and Early Twentieth Century Policy Making](#): MCCURDY, Karen M., Department of Political Science, Georgia Southern University, P.O. Box 8101, 2287 Carroll Building, Statesboro, GA 30460, KMcCurdy@GeorgiaSouthern.edu
- 3:05 PM Break
- 3:20 PM History of Geology Student Award
- 3:50 PM History of Geology Student Award
- 4:20 PM Discussion
- 4:40 PM Concluding Remarks

**NOTE: The HoGD LUNCHEON and AWARDS are tentatively scheduled for Monday, October 6.**

### **MARY C. RABBITT HISTORY OF GEOLOGY AWARD**

The History of Geology Division is pleased and proud to present the 2008 *MARY C. RABBITT HISTORY OF GEOLOGY AWARD* to **Dr. Gregory Good** of West Virginia University. Greg is well known to all of us for his many contributions to the history of the earth sciences, including several terms as editor of the HESS journal, *Earth Sciences History*. The full citation and response will be available on the Division web site. **CONGRATULATIONS, Greg!!**

### **HISTORY OF GEOLOGY STUDENT AWARD**

This year, the Division Review Committee could not decide on a single winner for our Student Award, so we have two *HISTORY OF GEOLOGY STUDENT AWARDS* for 2008.

*The first student awardee* is **Beth A. Johnson**, a fourth-year Ph.D. candidate in the Department of Geology and Environmental Sciences at Northern Illinois University. Her advisor is Dr. Philip Carpenter. Her abstract is given below:

### **The Evolution of Glacial Lake Agassiz: Deciphering the Demise of the Laurentide Ice Sheet**

**Abstract:** After the Laurentide Ice Sheet (LIS) reached its maximum extent 18,000 years ago, it underwent a period of rapid retreat, generating large volumes of meltwater that collected in proglacial lakes along its margin. The largest and most extensive of these was glacial Lake Agassiz. While N.H. Winchell was the first to note that the Red River Valley in Minnesota once held a large lake, the first researcher to recognize Agassiz as a glacial lake was Warren Upham in 1880. Upham associated the existence of such a lake with a single retreating ice sheet, which he detailed in his U.S.G.S. Monograph 25 in 1895. However, problems arose from Upham's interpretation of a single filling and drainage of the lake. Joseph Burr Tyrrell wrote in 1896 and 1898 that Lake Agassiz formed as a result of the action of multiple ice sheets, an interpretation that put him at odds with Upham for more than twenty years. Research conducted by William A. Johnston initially contradicted Upham by suggesting that Lake Agassiz had refilled after draining. However, this was later revised to try to reconcile the work of Upham and Tyrrell by suggesting that the Campbell shoreline actually marked a two-phase lake history. Researchers in subsequent decades mapped and named more proglacial lakes, but advances in aerial photography and topographic mapping, the need for a detailed understanding of agricultural soils, and the expansion of groundwater research allowed investigators to advance beyond the limitations of the availability of good exposures that had hindered previous studies of Lake Agassiz. Work completed by John A. Elson in the 1960s determined the slopes of water planes on the lake, which he correlated with strandline topography. This allowed him to stretch the boundaries of Lake Agassiz farther northwest and east, leading him to suggest a lake history with three to four changes of level. Mapping carried out in the 1970s and early 1980s redefined the maximum extent of Lake Agassiz, and the history of the lake was expanded to



include six phases: 1) the Cass Phase, 2) The Lockhart Phase, 3) the Moorhead Phase, 4) the Emerson Phase, 5) the Nipigon Phase, and 6) the Ojibway Phase. Research in the last few decades has focused on locating the drainage paths leading from Lake Agassiz and establishing a tighter timing of drainage events from the lake.

### **Important Citations for this Research**

- Clayton, L. (1983). Chronology of Lake Agassiz drainage to Lake Superior, in Teller, J.T. and Clayton, L., eds., *Glacial Lake Agassiz*. Geological Association of Canada, Special Paper 26, p. 291-307.
- Elson, J.A. (1983). Glacial Lake Agassiz – Discovery and a century of research, in Teller, J.T. and Clayton, L., eds., *Glacial Lake Agassiz*. Geological Association of Canada, Special Paper 26, p. 21-41.
- Fisher, T.G. (2003). Chronology of glacial Lake Agassiz meltwater routed to the Gulf of Mexico. *Quaternary Research*, 59, p. 271-276.
- Teller, J.T., Leverington, D.W., & Mann, J.D. (2002). Freshwater outbursts to the oceans from glacial Lake Agassiz and their role in climate change during the last deglaciation. *Quaternary Science Reviews*, 21, p. 879-887.
- Thorleifson, L.H. (1996). Review of Lake Agassiz history, in Teller, J.T., Thorleifson, L.H., Matile, G., and Brisbin, W.C., eds., *Sedimentology, Geomorphology and History of the Central Lake Agassiz Basin (Field Trip B2)*. Geological Association of Canada Field Trip Guidebook, 101 p.

*The second student awardee* is **Jamie L. Stephenson**, a Ph.D. candidate in the Department of History, University of Minnesota. Her advisors are Professors Carla Rahn Phillips (History) and J. B. Shank (History and History of Science, Technology, and Medicine). Her paper is:

### **Religion and Geology: Explaining Earthquakes in the Early Modern Atlantic World**

**Abstract:** For many scholars, the Lisbon earthquake of 1755 has become somewhat legendary. It is often regarded as “the first modern disaster,” but this was hardly the first earthquake to have occurred in the early modern era or the first one to be discussed distinctively from previous events. In fact, human understanding about the Lisbon quake, as expressed in both religious and geological terms, was not unlike knowledge of seismic events during the previous two centuries. By focusing on earthquakes before the 1755 Lisbon quake, this paper helps to establish a broader context for understanding early modern knowledge about earthquakes.

In the sixteenth, seventeenth, and eighteenth centuries, dozens of earthquakes struck regions in Europe and the Americas, prompting written responses both religious and philosophical. Whether these events occurred in seismically active regions such as Peru (which experienced major quakes in 1609, 1687, and 1746) and the Caribbean islands (in the 1690s) or in the less frequently shaken regions of New England (1638, 1727) and the British Isles (1580, 1750), a recognizable commonality among the variety of texts about them is the seemingly comfortable coexistence between religious and geological discussions. Indeed, some of these authors are well versed in two ancient and seemingly incompatible textual traditions – the Christian Bible on the one hand and the writings of philosophers such as Aristotle, Seneca, and Pliny on the other – and they often draw on both in trying to explain earthquakes and their causes. Even in cases where writers give God ultimate credit for causing the earth to tremble, divine cause does not mean that there are not earthly processes at work, and so the authors discuss both. Further, several religious authors, like the Spanish Jesuit José de Acosta (1540-1600), wrote texts about earthquakes and other geological realities that helped to lay the foundation for new understandings of these phenomena.

Through comparative analysis and discussion, this paper investigates the complex relationship between religion and geology as found in multiple earthquakes texts published in Europe and the Americas in the early modern era. This paper also demonstrates how the distinctive nature of earthquakes makes them particularly useful as a source of historical study. Earthquakes, like many geological phenomena, cannot be predicted, reproduced, experimented upon, or controlled, and thus present a constant challenge to both spiritual and scientific understanding.

We extend our heartiest congratulations to **Beth** and **Jamie** as the *HISTORY OF GEOLOGY STUDENT AWARD* winners for 2008. And we apologize to Beth for not getting her abstract put in the program, but we will post it on our Division website.

## GERALD M. and SUE T. FRIEDMAN DISTINGUISHED SERVICE AWARD

The Division is pleased to present the *FRIEDMAN DISTINGUISHED SERVICE AWARD* for 2008 to **Dr. William R. Brice**. Bill served as the Division's Secretary-Treasurer-Editor for ten years and served the Division as an officer and committee chair. He currently is chair of the Rabbitt Fund Review Committee. [Due to his son's wedding reception on October 4th, Bill will not be able to attend the meeting.]

### STUDENTS and FRIENDS of HoGD RECEPTION:

Tentatively scheduled for Tuesday evening, October 7

Don't forget to bring items for the raffle. If you have items to bring, please contact Steve and let him know that you have an item and what it is: [steve.rowland@univ.edu](mailto:steve.rowland@univ.edu).

*See you in Houston! See you in Houston! See you in Houston!*

## ITEMS OF INTEREST

► **Martin J. S. Rudwick**. *Worlds Before Adam; The Reconstruction of Geohistory in the Age of Reform*. University of Chicago Press, 2008. 800 pages. Cloth \$49. ISBN 0-226-73128-6.

A sequel of Rudwick's *Bursting the Limits of Time*, the book covers primarily the development of British geohistory and paleontology between 1817-1855. Continental geohistory, especially contributions by Louis Agassiz are included.

► **The Geological Society (London) Publishing House** is pleased to announce the publication of the following titles, likely to be of interest to list members. For further details, click on the link to the Society's Online Bookshop.

○ *Four Centuries of Geological Travel* - Edited by **P. N. Wyse Jackson**. List price £90.00; GSL members price £45.00.

In the last four centuries, geologists have traversed the globe, searching for economically important materials or simply to satisfy their intellectual curiosity. Geologists have often been at the vanguard of scientific exploration. The microscopist Robert Hooke explored the Isle of Wight, and Charles Darwin the Cape Verde islands and parts of South America. The volcanic wonders of Italy and central France attracted native and foreign visitors including Lyell and Murchison. The Tyrrell brothers faced great hardship in northern Canada, as did the actor and mineralogist Charles Lewis Giesecke in Greenland. The development of Sydney, Australia, depended on finding limestone for building. French geologists relied on camels in the Sahara, while Grenville Cole trusted his tricycle to carry him across Europe.

○ Smith Maps - '*Strata*' *Smith: His Two Hundred Year Legacy* – Digitally Enhanced Maps and Sections by William Smith, George Bellas Greenough, John Cary and Richard Thomas 1796-1840. DVD. Edited by **P. Wigley, P. Dolan, T. Sharpe and H. S. Torrens**. List price £20.00 + VAT; GSL members price £10.00 + VAT.

William Smith has often been declared to be the 'Father of English Stratigraphy'. Smith conceived stratigraphy in 3D but endeavoured to represent his concept in 2D on his remarkable 1815 map, A delineation of the strata of England and Wales, with part of Scotland. Almost two hundred years later his original maps and sections have been digitized and combined with remote sensing data. For the first time we can see Smith's maps in 3D, and thereby better appreciate what was going through his

mind, as well as being able to compare them with Greenough's subsequent maps. An example of John Cary's magnificent 1796 base map of England and Wales, without which Smith could never have completed his own map, is also included. The maps have been built into a GIS and can be viewed using ESRI's ArcReader software. The maps are accompanied by a report describing sources, notes on the maps of Smith and Greenough and a technical appendix.

To order these and other Geological Society titles, visit our online bookshop: [www.geolsoc.org.uk/bookshop](http://www.geolsoc.org.uk/bookshop). E-mail addresses for enquiries are given below.

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Society website: [www.geolsoc.org.uk](http://www.geolsoc.org.uk)

### ► Other Items from Our Colleagues in Great Britain

The latest History of Geology Group (HOGG) newsletter, No. 33, is now available to view online. You can access it by following the link on the HOGG homepage at [www.geolsoc.org.uk/hogg](http://www.geolsoc.org.uk/hogg), or directly at [http://www.geolsoc.org.uk/webdav/site/GSL/shared/pdfs/specialist%20and%20regional%20groups/hogg\\_n\\_33.pdf](http://www.geolsoc.org.uk/webdav/site/GSL/shared/pdfs/specialist%20and%20regional%20groups/hogg_n_33.pdf). Best wishes, Nic Bilham, HOGG Committee member

## APPEAL FOR INFORMATION

This is an appeal for information about a fantastic and very odd geological gallery that the National Trust are about to restore in Staffordshire called Biddulph Grange. The gallery sets out geological evidence in its walls for the six days of creation of the Earth and was probably constructed at about the time of the publication of *The Origin of Species* in opposition to the emerging Darwinian views. Little literature has come to light about this gallery although it is likely that it would have been visited and commented upon somewhere as it contained fantastic specimens including marine vertebrate remains, adult mammoth remains etc.

Was the Geological Gallery designed to refute the ideas propounded in Charles Darwin's *The Origin of Species* (1859)—and constructed in double quick time—or does it predate the publication of that revolutionary work? Bateman's attempt to reconcile theology and geology may alternatively reflect the ideas set out in William Buckland's 1829 publication *Geology and Mineralogy considered with reference to Natural Theology*. Cooke joined in the popular game of poking fun at Darwin, and his 1872 publication *Grotesque Animals* is illustrated with chimerical caricatures assembled from the parts of many different creatures.

The National Trust hopes to begin the restoration of the gallery in 2009 to coincide with the bicentenary of Charles Darwin's birth and the 150th anniversary of the publication of his Theory of the Evolution of Species by means of Natural Selection. It is currently in the process of identifying the remaining fossils and the sequence of geological strata. Some conservation cleaning has already taken place and further work will be done later this year.

For more information, please contact: Graham Wornton, Keeper of Geology & Manager, Dudley Museum & Art Gallery, St James Road, Dudley, DY1 1HU, England. Tel: 01384 815575; Fax 01384 815576; email: [graham.wornton@dudley.gov.uk](mailto:graham.wornton@dudley.gov.uk).

## MEETING OF INTEREST

### OPEN UNIVERSITY GEOLOGICAL SOCIETY - SYMPOSIUM 2008

**The History of Geology: Royal Holloway, Egham, Surrey, 8–11 August 2008**

**History of Geology:** The topic has been chosen to link in with the 150th anniversary of the Geologists' Association (to which the OUGS is affiliated), and the 200th anniversary of the Geological Society and their joint "Local Heroes" initiative.

#### **Lectures include:**

Cynthia Burek - 'The role women played in developing the science of geology' (with special reference to Gertie Ellis and Catherine Raisin).

Rob Butler - 'Understanding continental tectonics through mapping - from Peach and Horne to today.'

Chris Duffin - 'God's great plough' - Louis Agassiz and the Ice Age.'

Cherry Lewis - 'James Parkinson - medicine, the founding of the Geological Society and a little light treason.'

John Mather - 'Geologists versus engineers' - 19th century conflicts over the supply of water to London'. (Thomas Telford, Robert Stephenson and Samuel Collett Homersham versus James Charles Clutterbuck, John Dickinson and John Evans).

Anne O'Connor - 'Nineteenth-century battles over bones and ice: Geikie versus Dawkins.'

Jane Randle - 'Ian Gass - our Founding Father.'

Ted Rose - 'World wars: a catalyst for British geological innovation.'

Tom Sharpe - 'Henry de la Beche' (full title in the making).

Bob Spicer - 'Of Christmas cards and Family planning: the early years of British palaeobotany' (some tales of Marie Stopes and others).

Barry Thomas - 'aspects of British geoconservation in the 19th century and beyond (full title in the making).'

Graham Worton - 'Local people in geological conservation in the Dudley area.'

**Workshops:** The Geology Department of the University are keen to be involved and will be opening up the Department and labs for members to visit and look around. Many of the PhD students will also be attending and will be available to discuss their latest research projects, possibly also giving talks and holding workshops.

**Social activities:** A dinner and ceilidh have been arranged for the Saturday evening, and there will be a quiz on Sunday evening.

**Monday events:** There will not be any field trips over the weekend as we wish to concentrate on the workshops and university facilities, but there will be trips arranged for the Monday morning and details of local places of interest for members to attend on their way home. Trips will include the Albury Trail, Virginia Water, Brookwood Cemetery and the Museum of Oxford.

If you have not been to an OUGS symposium before, please do consider attending – the lectures are always interesting and the atmosphere very relaxed and informal. For more information and a copy of the Booking Form please go to: [www.ougs.org/events](http://www.ougs.org/events). For more information, contact Sue Vernon at [london@ougs.org](mailto:london@ougs.org) or Sally Munnings at [oxford@ougs.org](mailto:oxford@ougs.org).

## HISTORY OF GEOLOGY DIVISION SEEKS NOMINATIONS FOR THREE AWARDS!!

The History of Geology Division is actively seeking nominations for any of the three awards that are offered each year to qualifying individuals. See deadline dates below (two are February 1; the third is May 1.) *The Division strongly encourages the submission of qualifying candidates for these awards.*

### HISTORY OF GEOLOGY STUDENT AWARD May 1 Submission Deadline

The History of Geology **Student Award** was established in 2004 and is made possible by a bequest from the estate of Mary C. Rabbitt. Consider making a nomination for those students who are deserving of recognition for their distinctive work in the history of geology.

#### Scope of Award

The History of Geology Division continues to seek proposals for the **Student Award**, which:

- includes a cash award in the amount of \$500;
- requires the development of a paper to be presented at the GSA Annual Meeting in October;
- is considered for both undergraduate and graduate students.

Both oral and poster presentations are welcome, however, for the **Student Award**, oral presentations are preferred. Faculty advisors may be listed as second author, but not as the lead author of the paper.

#### Guidelines for Preparation

The proposed paper may be: (1) 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 not previously considered.

The award is open to all students regardless of subject-matter discipline, provided the proposed paper is related to the historical development of a particular geological idea or concept in the geological sciences; such as research into a particular individual who offered new insights in the field of geology; or the historical development of a particular technology that improved a better understanding of the Earth; and so on.

#### Procedure

After the applications have been received and reviewed by the Award Committee, the winner will be notified. The winner should then register for the GSA Annual Meeting and present his or her paper at the History of Geology Division disciplinary session. A ticket to the History of Geology luncheon will be provided.

The \$500 award will be presented at the time the paper is presented, and the student will also 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.

#### Guideline for Submission

Proposal guidelines and application forms are available from the Division website, <http://gsahist.org>. If there are any questions about the award, procedure, or scope of the guidelines, please contact the History of Geology Division Secretary-Treasurer. All applications and proposed abstracts also should be forwarded to the Division Secretary-Treasurer, whose address is given below.

**All communication is to be in the electronic e-mail format. The completed application, together with any supporting documentation, is to be submitted electronically as e-mail attachments.**

Due date for proposals and completed application is *May 1* each year. This allows adequate time for the proposal to 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 be refined should that be necessary. The History of Geology Division's Award Committee will make the final selection.

**Person to Contact:** Dr. Jane P. Davidson, Secretary-Treasurer, GSA History of Geology Division, Art Dept 224, University of Nevada - Reno, Reno, NV 89557. Tel: 775-784-6561; Fax: 775-784-6655; e-mail: [jdhexen@unr.edu](mailto:jdhexen@unr.edu).

## **MARY C. RABBITT HISTORY OF GEOLOGY AWARD**

### **February 1 Submission Deadline**

The **History of Geology Award** was established by the History of Geology Division in 1981 and in 2005 renamed as the Mary C. Rabbitt History of Geology Award as a memorial to Mary C. Rabbitt.

#### **Scope of Award**

The Mary C. Rabbitt History of Geology Award is presented annually by The Geological Society of America's History of Geology Division to an individual for exceptional scholarly contributions of fundamental importance to our understanding of the history of the geological sciences.

Neither the nominator nor the nominee needs to be a member of the History of Geology Division or be a member of The Geological Society of America.

Achievements deserving of the award include, but may not be limited to, publication of papers or books that contribute new and profound insights into the history of geology based on original research or a synthesis of existing knowledge.

The award consists of an embossed certificate and a pewter Revere bowl.

**All communication is to be in the electronic e-mail format. The completed application, together with any supporting documentation, is to be submitted electronically as e-mail attachments.**

#### **Deadline:**

The deadline for receipt of nominations by the selection committee is **February 1** each year.

#### **Past Awardees:**

Please refer to the Division web site at <http://gsahist.org> for past awardees.

#### **Person for whom the award is named:**

The late Mrs. Mary C. Rabbitt served as a geophysicist, administrator, and research historian with the U.S. Geological Survey (USGS) in Reston, Virginia. After retiring in 1978, she completed a three-volume history and assessment (1980-1986) of the public lands, Federal earth-science and mapping policies, and the development of mineral resources in the United States from its founding to 1939. These contributions to knowledge earned for Mrs. Rabbitt the Geological Society of America's History of Geology Award (1984) and the Department of the Interior's Distinguished Service Award (1988).

**Person to Contact:** Dr. Jane P. Davidson, Secretary-Treasurer, GSA History of Geology Division, Art Dept 224, University of Nevada - Reno, Reno, NV 89557. Tel: 775-784-6561; Fax: 775-784-6655; e-mail: [jdhexen@unr.edu](mailto:jdhexen@unr.edu).

**GERALD M. and SUE T. FRIEDMAN  
DISTINGUISHED SERVICE AWARD  
February 1 Submission Deadline**

This award of the GSA History of Geology Division was created in 2005 and in 2006 was renamed in honor of Gerald M. and Sue T. Friedman.

**Scope of Award**

The Gerald M. and Sue T. Friedman Award is to be given from time to time to an individual or individuals for exceptional service to the advancement of our knowledge of the history of the geological sciences.

Neither the nominator nor the nominee has to be a member of the Division or of GSA.

The service to the history of geology may include, but not be limited to, the discovery of and making available of rare source materials; comprehensive bibliographic surveys; organizing meetings and symposia in the history of geology; exceptional service to the Division; and so on.

**All communication is to be in the electronic, e-mail format. The completed application, together with any supporting documentation, is to be submitted electronically as e-mail attachments.**

**Deadline:**

The deadline for receipt of nominations by the selection committee is **February 1** each year.

**Past Awardees:**

Please refer to the Division web site at <http://gsahist.org> for a list of past awardees.

**Persons for whom the award is named:**

Gerald M. Friedman has made numerous and significant contributions to research in the energy industry and has long been committed to education and academic research. Dr. Friedman is a retired Distinguished Professor at Brooklyn College, which was his academic home since 1985, after a long and productive career involving appointments at Rensselaer Polytechnic Institute, the University of Cincinnati, and Amoco Petroleum Corporation. He was the founding editor of *History of Earth Sciences*, devoted exclusively to articles related to the history of all earth sciences. Dr. Friedman has received the highest honors in the field of sedimentary geology, including the Twenhofel Medal of the Society for Sedimentary Geology (SEPM), the Sidney Powers Medal of the American Association of Petroleum Geologists (AAPG), and the Hollis D. Hedberg Award of the Institute for the Study of Earth and Man. Sue T. Friedman, Gerry's wife, is well known to everyone for her untiring contributions and support in many arenas, including the organization of meetings, symposia, and history journals.

**Person to Contact:** Dr. Jane P. Davidson, Secretary-Treasurer, GSA History of Geology Division, Art Dept 224, University of Nevada - Reno, Reno, NV 89557. Tel: 775-784-6561; Fax: 775-784-6655; e-mail: [jdhexen@unr.edu](mailto:jdhexen@unr.edu).

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**Past Chair:** Julie Newell, Southern Polytech State U, Marietta, GA 30060; 678-915-7481; [jnewell@spsu.edu](mailto:jnewell@spsu.edu)

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