

THE

HISTORY OF GEOLOGY

DIVISION

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**PHILADELPHIA – October 20-25, 2006
REMEMBER ABSTRACT DEADLINE IS JULY 11**

**TIME IS SHORT – SUBMIT ABSTRACT NOW
RESISTANCE IS FUTILE**

HISTORY OF GEOLOGY DIVISION ACTIVITIES

The History of Geology Division is sponsoring a wide range of field trips and sessions, and always, even if we or GSA forgets to list them, the History of Earth Sciences Society (HESS) is always a co-sponsor of our programs. Our program of field trips begins with a pre-meeting field trip and there are other trips during and after the meeting that will be of interest to members of our Division. Check the GSA meeting schedule carefully and sign up for any or all of the trips, and, as always, plan to attend our various sessions. Below is a listing of the activities:

FRIDAY, OCTOBER 20, 2006

FIELD TRIP

GSA Field Trip #2. Behind the Scenes at the American Philosophical Society, the Library Company, and the Academy of Natural Sciences: Research Collections in the History of Geology and Paleontology: Fri., 20 Oct.

Cosponsored by GSA History of Geology Division and the History of Earth Science Society.

Gary Rosenberg, Indiana University–Purdue University, +1-317-274-7468, fax +1-317-274-7966, <grosenbe@iupui.edu>; Sally Newcomb.

A day-tour behind the scenes at the American Philosophical Society (APS), the Library Company, and the Academy of Natural Sciences. The APS is America's first learned society, founded by Benjamin Franklin in 1743 for the pursuit of "all philosophical Experiments that let Light into the Nature of Things." The Library Company was founded in 1731 by Franklin and his colleagues, with the motto, "To pour forth benefits for the common good is divine." The Academy is the oldest natural sciences institution in the Western Hemisphere, founded in 1812 by artist and inventor Charles Willson Peale "for the encouragement and cultivation of the sciences." Among the highlights: Thomas Jefferson's fossil collection; William Parker Foulke's papers on America's first dinosaur, Hadrosaurus; the rediscovered copy of Nicholas Steno's first publication, *De Thermis*; Konrad Gesner's *De rerum fossilium*; and William Smith's first map of the geology of England. Max: 30; min: 5. Cost: US\$79 (L, R, vans).

SATURDAY, OCTOBER 21, 2006

GENERAL ACTIVITIES FOR SATURDAY

After you have been on the Division field trip on Friday, what is there to do on Saturday before GSA activities begin? In Philadelphia you are lucky indeed. On Independence Square there are the Liberty Bell, Independence Hall, and an excellent visitor's center with five theaters to see films about the history of the United States and Pennsylvania. There are many other historical centers, including the Independence Seaport Museum, the ship Spirit of Philadelphia, and other attractions on the Delaware River side of the city. Near Independence Square are the Atwater Kent Museum, the mint, and the Franklin post office. Christ Church, where Franklin is buried, is near. There is an exhibit titled "Money in Motion" at the Federal Reserve Bank of Philadelphia.

Philadelphia probably has more venues with more subjects, mostly within walking distance of downtown, than any other city in the country. Is art your pleasure? The Philadelphia Art Museum on Benjamin Franklin Parkway is most interesting, with a varied, extensive collection and special exhibits. There are many fine galleries and the exhibit space of the Pennsylvania Academy of Fine Arts as well. Theaters and concert halls abound on the Avenue of the Arts (Broad St.). Even if you don't go to a concert, the architecture of the Kimmel Center is worth a look. The Reading Terminal Market, immediately behind the Convention Center, will attract many for lunch.

Back with science, The Franklin Institute is an exemplary hands-on museum. They no longer have their library holdings, which fell victim to "efficiency" several years ago. The good news is that much of that collection was bought by other institutions in Philadelphia. A little farther afield is University City across the Schuylkill River where you find the excellent Univ. of Pa. Museum of Archaeology and Anthropology. If you are over that way at dusk, the view on returning to center city over the river will be of the famed Philadelphia boathouses, Victorian structures outlined with lights.

Transport in and around the city is remarkably easy, with train connections from north, south, and west and light rail to suburbs. Within the city there are a subway and buses. My favorite is the Phlash, a bus that constantly runs a route from the Art Museum, around downtown, and to Independence Square from 10:00 a.m. to 6:00 p.m. Cost is \$1 for all you youngsters; for us senior citizens it is free, except between 4:30-5:30 p.m.

See you there! Sally Newcomb

FIELD TRIP

GSA FIELD TRIP #19. The Great Centralia Mine Fire: A Natural Laboratory for the Study of Coal Fires: Sat., 21 Oct.

Glenn Stracher, East Georgia College, +1-478-289-2073, fax +1-478-289-2050, <stracher@ega.edu>;
Melissa Nolter; Daniel H. Vice; Janet L. Stracher.

We will travel to the famous Centralia Mine Fire in the central Appalachian Mountains of eastern Pennsylvania, where we will discuss the coal stratigraphy and structural geology of the Western Middle coalfield as well as the origin, history, and socio-political-economic impact of the mine fire. Trip participants will see spectacular subsidence features, anthracite smokers (gas vents), and ground fissures associated with underground burning in abandoned coal-mine tunnels. Field techniques for collecting the mineral by-products of coal combustion and for collecting microarthropods from vegetation adjacent to gas vents and fissures will be demonstrated. Gas collection techniques using stainless steel gas canisters, a hand-operated sampler, and Tedlar gas bags will also be demonstrated as will in situ field analysis of select coal gas components using Dräger tubes. An interview with one of the few remaining residents of Centralia is planned. Participants should be prepared for light hiking and possible inclement weather. People interested in coal stratigraphy, coal mining, and coal fires will enjoy this trip. Max: 45; min: 12. Cost: US\$95 (L, D, R, bus).

SUNDAY, OCTOBER 22, 2006

HoG BUSINESS MEETING, 4:30–6:00 PM, Sunday, October 22, 2006

Due to our three awards this year, the Rabbitt Award, the Distinguished Service Award, and our Student Award, we felt it was better if we had a separate business meeting rather than try to do everything at the luncheon. So please make note of this and plan to attend. The time and place will be announced later, but we hope to hold it Sunday afternoon.

MONDAY, OCTOBER 23, 2006

LUNCHEON AND AWARDS, 12:30–3:00 PM, Monday, October 23, 2006

Please plan to register for the annual Awards Luncheon. We extend our congratulations to all our 2006 awardees and we look forward to meeting them in person at the Awards Luncheon.

MARY RABBITT HISTORY OF GEOLOGY AWARD FOR 2006

The History of Geology Division is pleased to announce that **DR. SANDRA HERBERT** has been selected to receive the *Mary Rabbitt History of Geology Award* for 2006. Dr. Herbert is well known for her many books and papers about the life and work of Charles Darwin, which have been described as: “Written with verve and scholarship” and providing “...a fresh view of the beginnings and growth of the new science of geology...as well as a fresh view of Darwin’s personal growth as a participant researcher...” Dr. Herbert is currently Director of the Program in the Human Context of Science and Technology at the University of Maryland (Baltimore County).

DISTINGUISHED SERVICE AWARD

The History of Geology Division’s first *Distinguished Service Award* is awarded to **DR. ROBERT GINSBURG**. Few in our Division have done so much as Bob has to further the Division’s goals and to get the Division’s name before a broad geological audience. He was one of the founders (along with Ellis Yochelson) of our *Rock Stars* series in *GSA Today*, a very popular and much anticipated series of short biographical sketches of past geologists. Few of us can forget the “Hutton Buttons” – *In Hutton We Trust* of the New Orleans meeting in 1995, or the special sessions he organized on both Hutton and James Dana at that same meeting. One of our most successful methods of reaching students has been our annual receptions, and this idea sprang from the fertile mind of Bob Ginsburg. These are but a few of his many contributions, and we are so pleased that his accomplishments can be recognized with the Division’s very first *Distinguished Service Award*.

STUDENT AWARD

ALISTAIR SPONSEL is a Ph.D. candidate in the Program in History of Science, within the Department of History, at Princeton University; advisors are Angela Creager and D. Graham Burnett, Program in History of Science, Princeton University.

Core Drilling at Bikini and Eniwetok Atolls, 1947-1952

The geological, biological, and oceanographic surveys conducted in connection with the Operation Crossroads nuclear weapons test in 1946-47 made Bikini Atoll the most carefully studied coral reef in the world. Two members of the scientific crew, Harry S. Ladd of the USGS and then-Ph.D. student Joshua I. Tracey, Jr., led an effort to bore through the reef to basement rock in order to test competing theories of atoll formation. Obtaining core samples from deep beneath a living reef was first suggested in the previous century by Charles Darwin, whose subsidence theory implied that remains of shallow-water corals in situ would be discovered right down to an atoll’s foundation. The crew at Bikini worked around the clock in

eight hour shifts, and their progress was reported by an almost-daily cascade of military press releases, until they ran out of drill pipe while still in reef limestone at 2556 feet. When the nuclear test program moved to neighboring Eniwetok (now Enewetak) Atoll the deep drilling program resumed there. In 1952 cores of olivine basalt were obtained from beneath 4170 feet of shallow-water reef deposits, and were widely hailed as having confirmed Darwin's theory.

This paper is based on a study of formerly classified Army and Navy documents, the personal papers of the geologists at Bikini and Eniwetok, documents from the George E. Failing Co. (which supplied the rig and drill crew at Bikini), and a review of the extensive scientific literature produced by the surveys in the Marshall Islands. I found that Ladd had advocated atoll drilling in a secret report shortly after American troops gained control of the Pacific islands during World War II, but that he was forced to abandon his original objective of drilling within a lagoon (rather than on the outer reef, where there was a greater risk of boring through fore-reef talus rather than corals in situ) in order to attach his work to the Crossroads operation. The commanders in charge of the controversial weapons test then seized upon the potential public relations benefit of carrying out Darwin's crucial experiment. The regular press releases about this "newsworthy...science stor[y]" were actually stipulated in the 1947 Operation Plan as a means of "forestall[ing] much press criticism and speculation of a harmful nature." This publicity campaign almost certainly helped to encourage a widespread belief that research into coral reef formation had been stagnant from Darwin's time until the heroic achievements at Bikini and Eniwetok. In fact, reef science flourished in the first half of the twentieth century as well, and Ladd and his colleagues formed part of a continuous tradition of reef scholars including Darwin, Alexander Agassiz, William Morris Davis, and R.A. Daly. The existence of an ongoing debate over various theories of atoll formation helps to explain why the issue was ever taken up during the Crossroads tests. It also clarifies why Ladd, who was not a supporter of Darwin's theory before the war, was always at pains in subsequent years to specify that the Bikini and Eniwetok sections showed that the atolls had indeed undergone "Darwinian subsidence," but that they did not appear to have ever passed through the fringing reef and barrier reef stages that Darwin postulated.

TUESDAY, OCTOBER 24

FIELD TRIP

GSA Field Trip #21. **Bicycle Tour of the Geology and Hydrology of Philadelphia: Tues., 24 Oct.**

Raymond A. Scheinfeld, Weston Solutions, +1-215-841-2019, <ray.scheinfeld@westonsolutions.com>.

Unwind after attending sessions at the conference with this leisurely, geologically oriented bicycle-based field trip along the beautiful and scenic banks of the Schuylkill River and Wissahickon Creek in Philadelphia. The trip will start at the Philadelphia Museum of Art and extend to Valley Green in the Wissahickon Gorge. Cyclists will visit a series of locations that illustrate the complex Paleozoic geology of this area as well as the hydrologic and cultural features that shaped over 300 years of development of what was at one time the center of science, culture, and industry in the United States. The trip will proceed at a pace of 9-12 mi/hr with frequent stops. The entire trip will cover a distance of 18-20 miles, and there will be several opportunities to shorten the trip if desired. The terrain is generally level with a few small (<100 ft) elevation changes. The entire trip is on paved or well-graded gravel bicycle trails. Participants may bring their own bicycles (wide-tired bicycles are best) or may rent bicycles at a location near the start of the trip. Helmets are required for the trip. Trip rain date is the following day. Max: 25; min: 5. Cost w/bike rental: US\$55. Cost w/o bike rental: US\$25 (R, bikes).

HoG DIVISION RECEPTION, 5:30–7:30 PM, Tuesday, October 24, 2006

Please remember to bring items for our drawing. If you have an extra copy of a book or a special journal issue or a nice historical map with which you can part, bring it to the Reception and make a student happy. Please notify Steve Rowland <steve.rowland@unlv.edu> if you have an item you are willing to donate. Steve is keeping the master list.

WEDNESDAY, OCTOBER 25

FIELD TRIP

GSA Field Trip # 24. **Philadelphia Urban Hydrology: Wed., 25 Oct.**

Laura Toran, Temple University, +1-215-204-2352, fax +1-215-204-3496, <ltoran@temple.edu>; Chris Crockett.

Although America's great industrial centers rose from the banks of rivers that provided cheap power and transportation, Philadelphia was the first large American city to regard the delivery of safe water as a municipal responsibility. This tour of the historic Philadelphia waterworks will highlight some of the earliest hydrologic planning in the United States. Max: 45; min: 5. Cost: US\$45 (L, R, bus).

POST-MEETING FIELD TRIPS

THURSDAY, OCTOBER 26

GSA Field Trip # 31. **History and Geology of Gettysburg National Battlefield [431] Thurs., 26 Oct.**

Roger Cuffey, Pennsylvania State University, +1-814-865-1293, fax +1-814-863-8724, <cuffey@ems.psu.edu>; Jon Inners.

Enjoy a full-day tour of America's Most Hallowed Ground led by geologists who are also historians of the Civil War. The tour begins at the railroad cut on McPherson's Ridge, moves to Cemetery Ridge, then concludes on the Roundtops and Seminary Ridge. Visits to the observation tower and visitor's center (under construction) and town are also planned. Max: 42; min: 15. Cost: US\$95 (R, bus).

THURSDAY, OCTOBER 26 – SATURDAY, OCTOBER 28

GSA Field Trip # 34. **Prehistoric Quarries and Early Mines in the New York-New Jersey-Pennsylvania Tri-State Metropolitan Area: Thurs.-Sat., 26-28 Oct.** *Cosponsored by GSA Archaeological Geology Division.* Philip C. LaPorta, City University of New York and LaPorta Associates, +1-845-986-7733, fax +1-845-988-9988, <plaporta@laportageol.com>; Margaret Brewer; Scott Minchak.

This field trip is a first-ever visit for the archaeological and geological research community of prehistoric quarries in the metropolitan tri-state area. Prehistoric quarries and prehistoric mining technology in the Central Appalachians will be introduced to researchers. The field trip will visit Late Proterozoic-Early Cambrian jasper, Cambrian, Ordovician, and Devonian nodular chert, Ordovician quartz vein and steatite, Middle Ordovician bedded radiolarian, and Triassic argillite quarries. The focus of the trip will be on geological variables that promote the development of prehistoric Native American quarries and mines. Special attention will be paid to the ingenuity of mining extraction technology in quarries ranging in age from the Paleoindian Period to the Late Woodland. The terrain is moderate; hiking boots are recommended. The weather in October is cool (30 to 50 °F) and possibly rainy; therefore, layered, warm clothing and rain gear are needed. Max: 12; min: 6. Cost: US\$299 (3L, 3R, 2ON, vans).

DIVISION SESSIONS

The History of Geology Division and HESS are sponsoring several special Technical Sessions at the Philadelphia meeting. Please consider submitting an abstract for one of them:

T61. Geology and America's Early Wars

GSA History of Geology Division; National Park Service; GSA Engineering Geology Division; History of the Earth Sciences Society (HESS); GSA Archaeological Geology Division, GSA Quaternary and Geomorphology Division; GSA Geology and Society Division. Bob Higgins, William R. Brice, Judy Ehlen. Geology plays a critical role in every military venture. This session will examine how the American geologic setting, including geomorphology, hydrology, and resources influenced the course of the Revolutionary and

Civil wars, and other conflicts. Oral. History of Geology; Engineering Geology; Archaeological Geology. [Submit an abstract to this session](#)

T62. Transcendental Geology: Henry David Thoreau and Nineteenth-Century Science

GSA History of Geology Division; History of the Earth Sciences Society (HESS). Jon D. Inners, Kristen Hand. This session focuses on the scientific interests and geological observations of the American “poet-naturalist” Henry David Thoreau. We welcome submissions on the landscape of Concord, Thoreau’s excursions, and his family’s connection to the graphite trade. Oral. History of Geology; Geomorphology; Marine/Coastal Science. [Submit an abstract to this session](#)

T63. From the Scientific Revolution to the Enlightenment: Emergence of Modern Geology and Evolutionary Thought from the 16th–18th Century

GSA History of Geology Division; Paleontological Society, History of the Earth Sciences Society. Gary Rosenberg.

This session will explore discoveries made about nature and the momentous social changes of the 16th–18th Centuries, which influenced the growing realization that the Earth and life upon it have a long history of evolution. Oral. History of Geology; Paleontology, Diversity, Extinction, Origination; Public Policy. [Submit an abstract to this session](#)

T64. History of Geology: 100 Years of Wissahickon Interpretation

GSA History of Geology Division; Structural Geology Division; Association for Women Geoscientists; History of the Earth Sciences Society (HESS). Sally Newcomb, Maria Luisa Crawford.

The Wissahickon Formation that underlies Philadelphia has been an enigma from the first time it was described to the present. This session will trace the history of geological ideas that have been applied to it. Oral. History of Geology; Petrology, Metamorphic; Structural Geology. [Submit an abstract to this session](#)

T104. History of Study of Environmental Impacts on Health

GSA Geology and Health Division; GSA History of Geology Division; History of the Earth Sciences Society (HESS). Gerald M. Friedman.

Recorded history of ancient life is non-traditional: fossils, skeletons, portrayals on ancient monuments, stelae, pottery, sculptures. Modern studies of more available evidence are often part of other disciplines, including paleontology, paleopathology, anthropology, archaeology, etc. Oral. Paleoclimatology/Paleoceanography; Sediments, Carbonates; Sediments, Clastic. [Submit an abstract to this session](#)

NOTES ON THE SESSION FOR WISSAHICKON RESEARCHERS AND HISTORIANS

The bedrock of Philadelphia, the Wissahickon Formation, has been a constant puzzle and matter of controversy since it was first described more than a hundred years ago. Of course there is and has been a great deal of interest in it for the usual local reasons: road and building placement, hydrology and water supply, identification of useful minerals, and as a building stone. Geologists have had a myriad of questions about it, and virtually every field of geology has engaged in trying to answer them.

In the broadest terms, disciplines that have contributed to Wissahickon studies are mapping, structure and tectonics, metamorphic petrology, age dating, mineralogy, geochemistry, geophysics, and nomenclature. The Wissahickon featured in many problems in regional mapping, including the Taconic debate, and the Martic thrust controversy.

This projected session will not conflict with topical or discipline sessions about current research on the Wissahickon. Three people with a great interest in the Wissahickon, Maria Luisa Crawford, LeeAnn Srogi, and Gale Blackmer, have agreed to give invited papers. We will have papers on changes in names for the stratigraphy, and the history of geochronology as applied in the area. The first mapping was done by a pair

of women geologists, and much of the seminal work was done by them at Bryn Mawr. Other institutions have contributed. We welcome papers in all fields. A panel discussion has also been suggested. The Structure and Tectonics Div. and AWG are cosponsors.

The 2006 GSA session in Philadelphia is an opportunity to present our colleagues from all over the world with a session that shows the history of the ideas and methods applied, and of the people who worked and work on the Wissahickon, and, ultimately, those contributions to the history of our discipline. It is also an excellent place to present retrospectives on long careers and leaders in the field. We can reflect on changing ideas concerning metamorphism and interpretations of tectonic history.

DIVISION DISCIPLINE SESSION

In addition to the Theme Sessions listed above, remember we also have our own general discipline session as well. This is the program that is open to all topics related to the history of geology. Here is a chance to try out your new idea or interpretation among friends, or to present your thesis topic, or to share a work in progress. So if your latest project does not fit into one of the special Topical Sessions, have no fear, you can find a home for it in our general Discipline Session. Just check the box next to **HISTORY OF GEOLOGY** on the abstract form.

As you can see we have quite a full schedule for the fall meeting. We need all our members to get their abstracts ready and submit them for one of our sessions. You have plenty of room in which to work. Our thanks and congratulations go to Gary and all the others involved in organizing these sessions. The exact times and places will be announced in our pre-meeting Newsletter.

NEW GSA COUNCIL LIAISON to the HISTORY OF GEOLOGY DIVISION

David Applegate, USGS <applegate@usgs.gov>, has been appointed our contact person on the GSA Council. David will be attending some of our meetings and sessions at the Philadelphia meeting, so look for him and introduce yourself. Show him we are a friendly group!!

ERROR CORRECTION AND APOLOGY

“Bill: Congratulations on a most impressive Newsletter [v. 30, #1]. What a lot is going on here and abroad. A minor error in the report on Rock Stars. You failed to include **Robert Dott Jr.** as a member of our RS Editorial Committee.” – submitted by Bob Ginsburg, Chair, Rock Stars Editorial Committee

[EDITOR’S NOTE: Apologies to my good friends, Bob D. and Bob G., for that omission. - Bill]

REVISED BYLAWS

Please vote on the proposed changes to the History of Geology Division bylaws, as printed in the last issue of the HoG Newsletter. The revised text is re-printed on pages 17 and 18 of this issue. The ballot is on page 17. The deadline to return your ballot to GSA is August 31, 2006. Again, our thanks go to Michele Aldrich and Al Leviton for preparing the revisions, which now reflect the recent additions to our award section. Please re-examine the Bylaws and then use the ballot at the end of this issue to vote on the proposed changes.

MEETINGS OF INTEREST - PAST

Petroleum History Institute – April 20-23, 2006 History of Geology Division and HESS, Co-sponsors

Last April, the Petroleum History Institute held its annual Symposium and Field Trip gathering in Wichita, Kansas. This year, PHI held a joint meeting with the American Oil and Gas Historical Society of Washington, D. C. Lawrence H. Skelton (PHI) and Bruce Wells (AOGHS) served as co-organizers for the meeting.

Speakers in the Energy Education Outreach Strategies session on Thursday included: Ed Cross (Kansas Independent Oil & Gas Association); Rebecca Dobbins (American Petroleum Institute, Washington, DC); Pat French (Foundation for Energy Education, Houston, Texas); Rhonda Reda (Ohio Oil & Gas Energy Board); and Gayla Wright (Oklahoma Energy Board). On Friday the Symposium continued with petroleum history papers by Mary Barrett (Centenary College – Shreveport, LA); Thomas Fulton (Houston, TX), David McKain (Parkersburg, WV); Daniel Merriam (Kansas Geological Survey); Ernie Morrison (Mull Drilling Co. – Wichita, KS); Bari Sadler (Texas Tech University); Lawrence Skelton (Kansas Geological Survey); Raymond Sorensen (Anadarko Petroleum Corp. – Houston, TX); Jeff Spencer (Black Pool Energy – Houston, TX); Herman Trabish (La Crescenta, CA); and Kristin Wells (AOGHS – Washington, DC). The featured guest speaker at the Awards Banquet was Dr. Norman Hynes (Tulsa University), who captivated the group with his description of the early history and development of the Ida E. Glen Well and the Glenn Pool Oil Field.

PHI honored **Robert (Bob) D. Cowdery**, retired President of Petroleum Incorporated, with the Institute's *Edwin L. Drake Legendary Oilman Award* for 2006. This award recognizes Bob's more than 50 years of work in, and dedication to, the oil and gas industry. In addition, **PHI** presented **Clifford W. Stone**, CEO of Walnut Valley Bank and Trust – El Dorado, KS, with the *Keeper of the Flame Award*. This award was presented in recognition of his many years of service to the Kansas Oil Museum and the Butler County (Kansas) History Center. **AOGHS** presented its first *Oil History Journalism Award* to **Cookie Cookson**, Publisher Emeritus of *The American Oil & Gas Reporter*.

On Saturday, there were two different field trips. The Kansas Oil Museum Education Program, took participants to the Frontier Oil Company Refinery (El Dorado, KS) and then to the Kansas Oil Museum for a series of programs. The second group toured historic oil field sites in and around Wichita and El Dorado, including the Eastborough Field and the Augusta Field. The tour also included a visit to the site of the Number 1 Norman Well, the first commercial oil well in Kansas (November 28, 1892 – less than 40 years after the Drake Well in Pennsylvania). One stop on the trip was an operating wind farm (Elk City Wind Farm) which had a number of pumping oil wells all around the turbines. The land owner was getting income from below and above the ground as well as from the crops being grown on the land, and there seemed to be no damage to the crops by the oil wells or the wind turbines. The U.S. seems to be one of the few countries in the world where a land owner is financially rewarded for the energy extracted from below and above his/her property by the private energy companies. In the afternoon, the two groups merged at the Kansas Oil Museum in El Dorado where there were several historic, working drilling rigs on display, which were fired up and operated for the visitors.

MEETINGS OF INTEREST - FUTURE

International Commission on the History of Geological Sciences, 31st Symposium, to be held in Vilnius, Lithuania, **28 July to 4 August 2006**. The conference theme is *The History of Geomorphology and Quaternary Geology*. Technical sessions will be followed by field excursions through Lithuania, Latvia, and Estonia. The primary organizer and contact person is Prof. Dr. Hab. Algimantas Grigelis at <grigelis@geo.lt> or contact Ken Taylor (INHIGEO V. P. for North America) <ktaylor@ou.edu>.

William Buckland 150th Anniversary Celebration; August 12, 2006: The History of Geology Group (UK), the Palaeontological Association (UK), and the University Museum of Natural History will host a one-day symposium on William Buckland (1784-1856) at the Oxford University Museum of Natural History. This day of talks on the charismatic William Buckland will be held on the 150th anniversary of his death, and will be accompanied by an exhibition of his specimens at the Museum. The program was provided in the last issue of the Newsletter (v. 30, #1). For more information, contact Professor Jim Kennedy <jim.kennedy@university-museum.oxford.ac.uk>.

The History of Science Society will hold its 2006 Annual Meeting in Vancouver, British Columbia, **November 2-5, 2006**. This will be a joint meeting with the Philosophy of Science Association and the Society for Social Studies of Science. Check the HSS web site for details:

http://www.hssonline.org/society/society_frame.html?%20

<http://www.hssonline.org/2006%20Meeting/2006mainframe.html>

Northeastern Section/GSA Annual Meeting: The 2007 Northeast GSA meeting will be held in Durham, New Hampshire in the conference complex at the University of New Hampshire during "spring break," **March 11-14, 2007**. The **History of Geology Division/GSA** will sponsor a session on the *History of Geological Ideas and Understanding of the Northern Appalachians* chaired by W. R. Brice. This session will focus on our understanding and interpretation of the geology of the Northern Appalachian Mountains and on the people who developed these ideas. Please submit an abstract and join us in New Hampshire next spring - Bill

HESS 25th Anniversary Celebration: The society was founded in 1982 by Gerald M. and Sue T. Friedman, and Ellis Yochelson. Next year, on **June 24-26, 2007**, there will be a meeting in Troy, New York, at the Rensselaer Center of Applied Geology to celebrate that anniversary. At that time, one of the focal points of the meeting will be to commemorate Ebenezer Emmons, a graduate and professor of Rensselaer and father of the Taconic System, and professor of James Hall, another famous Rensselaer alumnus. So mark your calendar now for those dates, submit your 500-word abstract, and help celebrate 25 years of HESS. There will be PowerPoint, 35mm slides, and overhead projection equipment available. So do not feel intimidated if your "PowerPoint comfort level" isn't very high – at this meeting you can still use your 35 mm slides and overhead transparencies; it is, after all, a history meeting!

ABSTRACT DEADLINE: April 15th, 2007

Northeastern Science Foundation, 15 Third Street, PO Box 746, Troy NY 12181-0746

[<www.thesciencefoundation.com>](http://www.thesciencefoundation.com)

[<gmfriedman@juno.com>](mailto:gmfriedman@juno.com)

INHIGEO MEETING 2007

Eichstätt, Germany, July 28th to August 5th, 2007

First Circular (call for papers).

The German delegation of INHIGEO is pleased to invite you to the INHIGEO meeting 2007 in Eichstätt. The conference topic will be: **The historical relationship of geology and religion**. The meeting will offer a stage to openly discuss, from a historical point of view, this long-standing relationship, which in the past has been sometimes indifferent, sometimes fruitful, and sometimes full of conflict. Some suggested topics are:

- religious interpretations of the nature of the Earth and its history
- the age of the earth in different religions, cultures and times
- the (Darwinian) theory of evolution and creation
- geological research with religious motivation (such as "natural theology")
- life and work of geological authors with a religious/clerical background
- geological institutions (museums, collections) run by religious organisations, etc.

We are sure that you will think of many more aspects of this fascinating topic, and we also hope that you keep in mind that we are talking about religion in general, not just Christianity.

There are two reasons why we think of Eichstätt as a most appropriate site for such a meeting. As is befitting for INHIGEO, one is geological and one historical.

The region around Eichstätt and Solnhofen is one of the classical geological localities. In the quarries around these two localities the early bird *Archaeopteryx* was found – one of the key arguments in the debate about biological evolution. And it is here where the most valuable lithographic limestone is quarried. Lithographs have been used, since about 1800, for many geological and palaeontological illustrations.

The small city of Eichstätt presents itself in baroque attire, having suffered badly during the Thirty-Years War. At that time, Eichstätt was capital of a small independent country with the local bishop as head of state. Today Eichstätt remains a bishop's town and harbours the main campus of the Catholic University Eichstätt-Ingolstadt. Apart from other collections and responsibilities, the Bishop's Seminary traditionally houses a natural history collection, which originated in 1844. Throughout the 19th century and up until the 1960s, this collection was used by the church for scientific and educational purposes. Since 1976, part of the collection – with one original *Archaeopteryx* specimen, among many other stunningly beautiful fossils – is shown in the Jura-Museum Eichstätt.

Scientific Sessions (Monday, July 30th, to Friday, August 3rd, 2007):

- Monday morning, July 30th, 2007. Opening reception in the hall of mirrors of the historical palace of Eichstätt; introduction to the fruitful historical relationship between geology and religion in Eichstätt; guided tour through the palace and the city.
- Monday afternoon, July 30th, and second day, Tuesday, July 31st, 2007. Presentation of scientific papers in the old Jesuits' refectory of the Bishop's Seminary in Eichstätt.
- Monday evening, July 30th. Visit to and party in the Jura-Museum, which is situated in the castle of Eichstätt. We plan a special exhibition on the natural history collections of the Bishop's Seminary.
- Wednesday, August 1st, 2007. Fieldtrip to see the limestone quarries and a lithographic workshop.
- Thursday and Friday, August 2nd and 3rd, 2007. Two more days of scientific papers.
- Evening of Thursday, August 2nd, 2007. Conference dinner.
- The conference language will be English.

Additional Field-Trips: In addition to the scientific sessions and the one-day field-trip already mentioned, two additional field-trips will be organized:

- **Pre-conference field-trip** (2 days, July 28th and 29th, 2007) featuring the “Swabian Volcano”, karst features on the Swabian Alb, the famous Posidonia Shales of Holzmaden and a most amazing church;
- **Post-conference field-trip** (2 days, August 4th and 5th, 2007) featuring the impact craters Steinheim Basin and Ries-Kessel Nördlingen. Until 1960, these structures were commonly regarded as volcanoes. You will see both the volcano and the impact crater in the field.

Fees: The conference fee will be around 150 € plus any optional features such as the conference dinner (about 30 €) or pre- and post-conference field-trips (around 120 €each).

Publications: We intend to publish the proceedings of this conference.

Accommodation: Good and inexpensive accommodation in Eichstätt will be arranged. Participants will receive the booking form together with the second circular (Available in December 2006).

Accompanying Persons/Extended Stays: Located in the heart of Bavaria, Eichstätt is situated within the Altmühl Nature Park, one of the largest nature parks in Germany. Fine palaces, strong castles, elegant churches, convents and monasteries are testimonies to the long history and rich cultural heritage of this region, one of the most beautiful holiday areas in Bavaria. The idyllic landscape of the Altmühl valley seems to be made for bicyclists or hikers, and the lazy flowing Altmühl River is an ideal stream for paddling excursions. Judging from this background, we are bound to organise an interesting and relaxing programme for accompanying family members. The Eichstätt Tourist Office or the Information Centre of the Altmühl Nature Park will be happy to inform you on any possibilities to extend your stay: <<http://www.naturpark-altmuehltal.de/>>.

Travel: Eichstätt can be reached by train, e.g., within two hours from Munich's central station. There is an airport shuttle between the Munich airport and Ingolstadt, from whence it is about 30 minutes by train to Eichstätt-Stadt. Direct shuttle connections from Eichstätt to Munich airport and vice versa can be organised upon request (at additional costs).

Insurance: The organizers cannot accept responsibility for accidents that might occur in connection with the symposium and field-trips. Delegates are encouraged to purchase travel insurance.

Deadlines: Please contact the Committee for the questionnaire to receive our first circular by **the 1st of September 2006** or use the form below. The second circular is scheduled for December, 2006. The registration deadline is **February 1st, 2007**. **The abstracts must be sent in by April 1st, 2007.**

Manuscripts must be submitted by September 1st, 2007.

Organisation Committee: Martina Kölbl-Ebert (Jura-Museum Eichstätt); Martin Guntau (Rostock); Bernhard Fritscher (Munich); Gottfried Hofbauer (Erlangen); Oskar Burghardt (Krefeld)

For more information and to express an interest in receiving additional circulars, please send the form below to:

Organization Committee; INHIGEO-meeting 2007; Jura-Museum Eichstätt Willibaldsburg; D-85072 Eichstätt (Germany). FAX +49-8421-89609. E-mail: <Koelbl-Ebert@jura-museum.de>

Family Name Title

First Name

Institution

Address

City, ZIP

Country

FAX

E-mail

I will attend the meeting: yes probably

I intend to give: an oral presentation a poster

related to the conference topic(s)

with the preliminary title:

.....

I am interested in the excursion(s): pre-conference post-conference

Suggestions/Remarks

.....

.....

.....

date signature

BICENTENARY OF THE GEOLOGICAL SOCIETY OF LONDON

The Geological Society, founded 13 November 1807, is the oldest national geological society in the world. **The History of Geology Group (HOGG)** will be holding an international two-day conference on **12-13 November 2007** to celebrate the Geological Society's bicentenary.

Conference: The conference will focus on the achievements of the Society, the founders, and some of its members and their activities over the past 200 years.

- **Theme 1:** The status of geology in comparison to other sciences in the UK and to geology in other countries around 1807
- **Theme 2:** The foundation and founders of the Society
- **Theme 3:** The first 100 years
- **Theme 4:** Towards the 21st Century

Field Trip: The conference will be preceded by a field trip to the Isle of Wight on the **10-11 November 2007** to visit some of the classic geological localities of historic interest.

Dinners: On the evening of **12 November 2007** a dinner will be held in the Connaught Rooms, which now incorporates the Free Mason's Tavern where the Geological Society was founded. A plaque commemorating the founding of the Society will be unveiled.

On the evening of the **13 November, 2007**, the Geological Society will be holding a dinner in the Natural History Museum.

Call for papers: Anyone interested in offering a paper should send an abstract of **not more than 300 words** to cherry.lewis@bristol.ac.uk to arrive not later than **15 October 2006**. Please clearly state which theme your paper addresses. As we anticipate a large number of papers to be offered, we regret we will not be able to include everyone. However, we intend to publish a Geological Society Special Publication based on the conference proceedings in which we will be able to include a much larger number of papers, subject to the normal peer review process.

Register your interest: Anyone wishing to go on the mailing list to receive further information about this event should email cherry.lewis@bristol.ac.uk putting 'HOGG bicentenary event' in the subject line.

For information on this and other HOGG events, go to: <http://www.geolsoc.org.uk/HOGG>

ITEMS OF INTEREST: New Books and Articles:

Matthew Eddy, *The Fabric of Geology: Chemistry and Geology in Enlightenment Edinburgh*: Chemical Heritage vol. 24, no. 1 (Spring 2006) 4-7 and 36-38.

Susan R. Schrepfer. *Nature's Altars: Mountains, Gender, and American Environmentalism*: Lawrence: University Press of Kansas, 2005. xii + 316 pp. Illustrations, notes, index. \$35.00 (cloth), ISBN 0-7006-1369-2.

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

SP256 - *The History of Meteoritics and Key Meteorite Collections: Fireballs, Falls and Finds*: Edited by G. J. H. McCall, A. J. Bowden and R. J. Howarth List price £95.00; GSL members price £47.50

This Special Publication has 24 papers with an international authorship, and is prefaced by an introductory overview which presents highlights in the field. The first section covers the acceptance by science of the reality of the falls of rock and metal from the sky, an account that takes the reader from BCE (before common era) to the nineteenth century. The second section details some of the world's most important

collections in museums - their origins and development. The Smithsonian chapter also covers the astonishingly numerous finds in the cold desert of Antarctica by American search parties. There are also contributions covering the finds by Japanese parties in the Yamato mountains and the equally remarkable discoveries in the hot deserts of Australia, North Africa, Oman and the USA. The other seven chapters take the reader through the revolution in scientific research on meteoritics in the later part of the twentieth century, including terrestrial impact cratering and extraordinary showers of glass from the sky; tektites, now known to be Earth-impact-sourced. Finally, the short epilogue looks to the future.

The History of Meteoritics and Key Meteorite Collections should appeal to historians of science, meteoriticists, geologists, astronomers, curators and the general reader with an interest in science.

To order this and other Geological Society titles, visit our online bookshop www.geolsoc.org.uk/bookshop
E-mail addresses for enquiries are given below.

The Geological Society Publishing House is a not-for-profit publisher, and would be pleased to receive any new publishing proposals - contact Angharad, our Commissioning Editor, whose email address is given below.

Any surpluses generated by the Publishing House are invested back into services in support of the earth science community.

Alison Tucker, Marketing Assistant; The Geological Society Publishing House; Unit 7 Brassmill Enterprise Centre, Brassmill Lane; Bath, BA1 3JN, UK; Tel (+44) 01225 445046; Fax (+44) 01225 442836

Publications sales enquiries: sales@geolsoc.org.uk

CALL FOR PAPERS: History of Meteorology 3

Papers on the history of meteorology, climatology, and related sciences are now being accepted for consideration in History of Meteorology 3 (2006). Articles should be based on original research and present a novel thesis. They must be engaging, clearly written, and fully documented, following the style guide in volume 2. All manuscripts will be subject to peer review. Authors are reminded that international and interdisciplinary perspectives are encouraged and articles should engage social, cultural, technological, and/or intellectual themes and contexts. Because this is an electronic journal, it is possible to publish color illustrations and experiment with alternative media such as audio and video files and databases. Session conveners are invited to propose special sections or issues of the journal.

History of Meteorology has a stable URL at <http://meteohistory.org> and has been assigned ISSN 1555-5763 by the U.S. Library of Congress. It is currently being indexed by two leading services: Isis Current Bibliography of the History of Science (from which citations are posted online on the RLG History of Science and Technology database) and Meteorological and Geostrophysical Abstracts.

The deadline for submissions for volume three is 1 September 2006, but earlier notice is appreciated. Queries or manuscripts should be directed to the editor, James R. Fleming, e-mail jfleming@colby.edu

San Francisco Earthquake 100th Anniversary - Gretchen Luepke Bynum

As you know, San Francisco is commemorating the 1906 earthquake and fire this year. The online calendar of events is at this website: www.1906centennial.org

The web resources cited at this website will continue after the big celebration in San Francisco which was held on April 18th.

CALLS FOR NOMINATIONS

1) Division Officers: Please consider nominating someone, or doing a “self-nomination,” to be an officer in the Division. The commitment is for three years based on a sliding system where a person starts as Second Vice-Chair the first year, moves up to First Vice-Chair the second year, and in the third year becomes the Division Chair. The duties are varied, but basically the First and Second Vice-Chairs assist the Chair organizing and running our annual meeting activities. In this way a person gets to see how the system works and who to contact before having to do her/his own session. The Secretary-Treasurer-Editor position is a two-year (renewable) term. This person looks after the Division finances and prepares the Division Newsletter four times a year, with much able assistance from the current and past officers and Division members. Serving as an officer is a great way to get to know other members of the Division and to work with your colleagues to support and further our Division’s mission. Please consider serving as an officer or nominate someone to serve (with his/her knowledge and permission, of course) who you feel will make a good Division leader. Contact James Dawson, Nominating Committee Chair <james.dawson@plattsburgh.edu> by August 31 with your suggestions.

2) History of Geology Student Award: The History of Geology Division is soliciting proposals for a student award for the amount of \$500 for a paper to be given at the national 2006 GSA meeting. 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. While both oral and poster presentations are acceptable, oral presentations are preferred. Faculty advisors may be listed as second author, but not as the lead author of the paper. The proposed paper may be: (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 \$500 presented at the Division luncheon and the student will present the winning paper in the History of Geology Division disciplinary session. 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 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.

Proposal guidelines and application forms are available from the Division web site at <<http://gsahist.org>>, or if there are any questions about the award, please contact the Division Secretary-Treasurer. All applications and proposed abstracts should be forwarded to the Division Secretary-Treasurer, Professor William Brice <wbrice@pitt.edu>, additional contact information given in 2006 Division Officers list following this article.

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, perhaps, can be refined. The Division award committee will make the selection.

PREVIOUS AWARDEES

2004 Michael C. Rygel

2005 Lee J. Florea

2006 Alistair Sponsel

2007 ???

3) Mary C. Rabbitt History of Geology 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. 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 was established by the History of Geology Division in 1981 and renamed in memory of Mary C. Rabbitt in 2005. The award consists of an embossed certificate and a pewter Revere bowl. The deadline for receipt of nominations by the selection committee is **February 1** each year. Nominations should be sent to W. R. Brice, Secretary-Treasurer; address is given in the 2006 Division Officers list following this article.

PREVIOUS AWARDEES

1982 George W. White	1991 William A. S. Sarjeant	2000 Hugh Torrens
1983 Claude C. Albritton, Jr	1992 Michele L. Aldrich	2001 Walter O. Kupsch
1984 Mary C. Rabbitt	1993 Martin Guntau	2002 Dennis Dean
1985 Cecil J. Schneer	1994 François Ellenberger	2003 Ellis Yochelson
1986 Ursula B. Marvin	1995 Robert H. Dott, Jr.	2004 Stephen G. Brush
1987 Martin J. S. Rudwick	1996 Gordon L Herries Davies	2005 Gerald M. Friedman
1988 Stephen Jay Gould	1997 Kennard B. Bork	2006 Sandra Herbert
1989 Albert V. Carozzi	1998 Hatten S. Yoder, Jr.	2007 ???
1990 Gordon Y. Craig	1999 David R. Oldroyd	

4) The Distinguished Service Award: The **Distinguished Service Award** of the Geological Society of America's **History of Geology Division**, created in 2005, may 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. This service may include, but not be limited to the discovery of and making available rare source materials; comprehensive bibliographic surveys; organizing meetings and symposia in the history of geology; exceptional service to the Division. The deadline for receipt of nominations by the selection committee is **February 1** each year. Nominations should be sent to W. R. Brice, Secretary-Treasurer; address is given in the 2006 Division Officers list following this article.

PREVIOUS AWARDEE

2006 Robert Ginsburg

2006 DIVISION OFFICERS

CHAIR: Gary D. Rosenberg, Department of Geology, Indiana University-Purdue University, 723 W. Michigan Street, SL118, Indianapolis, IN 46202 (317) 274-7468 (Office); (317) 274-7484 (Department); Fax (317) 274-7966; <grosenbe@iupui.edu>.

FIRST VICE-CHAIR: Julie Newell, Social & International Studies, Southern Polytechnic State University, 1100 South Marietta Parkway, Marietta, GA 30060-2896; (678) 915-7481; Fax (678) 915-4949; <jnewell@spsu.edu>.

SECOND VICE-CHAIR: Steve Rowland, Department of Geoscience, University of Nevada, Las Vegas, NV 89154-4010; (702) 895-3625; <steve.rowland@unlv.edu>.

SECRETARY-TREASURER-EDITOR: William R. Brice, University of Pittsburgh at Johnstown, Geology & Planetary Science, Johnstown, PA 15904; (814) 269-3950; Fax (814) 269-2022; <wbrice@pitt.edu>.

PAST CHAIR: Charles W. Byers, Dept. Geology & Geophysics, University of Wisconsin, Weeks Hall, 1215 W. Dayton Street, Madison, WI 53706-1692; (608) 262-8960 (Dept.); Fax (608) 262-0693; <cwbyers@geology.wisc.edu>.

WEB MASTER: Hugh Rance, 4310 Kissena Blvd, 11 H, Flushing, NY 11355; <hughrance@rcn.com>.

PROPOSED CHANGES TO THE BYLAWS OF THE HISTORY OF GEOLOGY DIVISION

Our thanks to Michele Aldrich and Al Leviton for preparing the following proposed revisions to our division bylaws. These changes reflect recent additions in our award section and updated language that will align our bylaws with GSA's regarding membership.

TEXT OF PROPOSED CHANGES TO THE HISTORY OF GEOLOGY DIVISION BYLAWS

The following text presents proposed changes to the bylaws of the History of Geology Division. Proposed additions are underlined. Proposed deletions show ~~strike through~~. Explanatory notes are [in brackets]. Only the parts of the bylaws with proposed changes are shown.

ARTICLE II

Membership

1. Any Member (including Student and Teacher Members), Fellow, Honorary Fellow, Student Associate, ~~or Teacher Associate or Affiliate~~ of the Geological Society of America who is in good standing may ~~affiliate with~~ become a member of the History of Geology Division. To effect such ~~affiliation~~ membership, an applicant shall express his/her desire on the GSA membership application form, or in writing to either the secretary of the division or to the executive director of the Society. All ~~affiliates~~ division members, except ~~Student and Teacher Associates~~ GSA Associates and Affiliates, may vote and hold office in the division. ~~Student and Teacher Associates~~ GSA Associates and Affiliates may serve on committees as conferees. [These proposed changes align division bylaws with: current practice; changes in GSA member types; and changes in GSA bylaws regarding who is eligible to vote and hold office.]

ARTICLE V

Committees

3. ~~History of Geology Award Committee~~ Awards Committees. The History of Geology Award will be considered annually in accordance with the bylaws of the Society.
 - a. *Selection Committee*. ~~The~~ A selection committee shall consist of three voting affiliates of the division, each serving three years, in staggered terms, with one new member being named each year by the chair of the division. Each year the senior member will chair the committee.
 - b. *Frequency of the Award* Awards. The ~~award~~ awards generally will be made annually, but in any particular year may be withheld if no suitable ~~candidate is~~ candidates(s) is/are selected or if the ~~candidate is~~ candidates(s) is/are unwilling to accept the award.
 - c. *Requirements to Qualify*. ~~The award will be given for contributions of fundamental importance to our understanding of the history of the geological sciences.~~ The Mary C. Rabbitt Award in the History of Geology. The Award will be given for contributions of fundamental importance to our understanding of the history of the geological sciences. The Award will consist of a Revere-style bowl of polished pewter and a printed or inscribed certificate of such design as is deemed suitable by the division and the Society's Council. The award will be presented at the business meeting of the division during the annual meeting of the Society.
 - d. *The Distinguished Service Award in the History of Geology*. The Award will be presented to an individual or individuals for exceptional service in the advancement of our knowledge of the history of the geological sciences. Contributions deserving of this Award may include, but are not limited to, the discovery, management and making available of rare source materials; promotion of meetings, symposia and scholarly organizations devoted to the history of geology; establishment and editing of scholarly journals in this field; and exceptional service to the Division or other organizations related to the history of geology. The Award will consist of a Certificate recognizing the individual's contributions. The award will be presented at the business meeting of the division during the annual meeting of the Society.

- d. ~~*The Award.* The award will consist of a Revere style bowl of polished pewter and a printed or inscribed certificate of such design as is deemed suitable by the division and the Society's Council. The award will be presented at the business meeting of the division during the annual meeting of the Society.~~
- e. *Student Award.* The Award will be given for the best abstract to be submitted for presentation at the national GSA annual meeting by a student. The Award will consist of \$500 applied to student expenses to attend the national GSA meeting and present a paper in the History of Geology disciplinary session.
- e.f. *Selection Procedures.* Nominations for ~~the award~~ awards will be made in accordance with the following procedures. All letters and correspondence shall be held confidential, but all bibliographies, votes, and pertinent correspondence shall be preserved by the secretary of the division, who will make them available to the succeeding chair upon request. [Note: This sentence was moved to this location from former part "f" shown in strike-through below section 2.]:
- (1) Mary C. Rabbitt and Distinguished Service Awards in the History of Geology:
- ~~(1)-(a)~~ (a) The secretary of the division shall, at the earliest convenience, but no later than **December 5**, ~~mail~~ distribute to each member of the selection committee, and to any affiliate who requests such material, the names and addresses of the committee members, a copy of the selection procedures, a list of past recipients of the award and currently eligible nominees, instructions for submitting names, and a notification of the April 1 deadline for the receipt of nominations by the chair of the selection committee. Nominations will be valid for three years.
- ~~(2)-(b)~~ (b) The chair of the selection committee will distribute a list of candidates, together with supporting materials, to committee members soon after the **April 1 deadline**. Each member of the committee will select from among the list of candidates a first, second, and third choice for the award. If necessary, additional rounds of balloting will be carried out until a clear consensus emerges of the top one to three candidates.
- (2) Student Award:
- (a) The secretary shall advertise the award via the Division newsletter, website, and direct mailings to selected geoscience and history of science departments by 1 February.
- (b) Undergraduate and graduate students may apply by May 1 by submitting an abstract of a proposed paper relating to any aspect of the history of geology, in conformity with GSA editorial style. Faculty members may be junior authors, but the student must agree to present the paper if it is chosen as the winner. Students will also be asked to complete a short application form with information on their degree status and location.
- (c) The secretary shall forward all eligible applicants' materials to the selection committee by May 15. Committee members shall inform the secretary of their choice by June 1. The secretary shall work with the student who has been selected to receive the award to meet GSA requirements for abstract submission for the national meeting.
- f. ~~All letters and correspondence shall be held confidential, but all bibliographies, votes, and pertinent correspondence shall be preserved by the secretary of the division, who will make them available to the succeeding chair upon request.~~ [Note: This text was moved to item 3 f, Selection Procedures, above.]
7. ~~*Student and Teacher Associates.* Student or Teacher Associates may be appointed as conferees to any committee.~~ *GSA Associates and Affiliates.* GSA Associates and Affiliates may be appointed as conferees to any committee.

The ballot to vote on the proposed changes to the bylaws is on the following page of this newsletter.

VOTE BY AUGUST 31, 2006.

There are three methods by which you may vote; the three options are explained below. Please choose your preferred method and vote by **August 31, 2006.**

Please note that your GSA member number is required for every method. Your GSA member number is given at the upper right corner of your newsletter mailing label. If you need assistance, please contact GSA at <gsaservice@geosociety.org> or (303) 357-1000 (option 3), or tollfree in the U.S. at (888) 443-4472.

Option 1) Vote by Mail. Vote using the ballot below. Mail the completed ballot to: Geological Society of America, P.O. Box 9140, Boulder, CO 80301-9140, Attn: History of Geology Division Ballot. Your ballot must be postmarked by August 31, 2006.

or

Option 2) Vote by Fax. Vote using the ballot below. Fax the completed ballot to: (303) 357-1074, Attn: History of Geology Division Ballot. Your ballot must be received at GSA by August 31, 2006.

or

Option 3) Vote Online. Vote online at <<https://rock.geosociety.org/ballot/vote.asp?Name=hist>>. At that site, access the electronic ballot by entering only your GSA member number (given in the upper right corner of your mailing label). Your online vote must be completed by August 31, 2006.

BALLOT

Shall the proposed revisions to the bylaws of the GSA History of Geology Division be adopted?

Yes

No

Your Name (printed) _____

Your Signature (required) _____

Your GSA Member Number (required)* _____

* Your member number is given in the upper right corner of your mailing label.