

THE

# HISTORY OF GEOLOGY

DIVISION

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## DEADLINES

**January 10, 2006:** Proposals due for Topical Sessions and Pardee Keynote Symposia (Philadelphia GSA)

**January 15, 2005:** Extended deadline for Field Trip proposals (Philadelphia GSA)

**January 25, 2006:** Abstracts due for historical papers about *Fossils of Ohio* (NCGSA, Akron, OH)

**February 1, 2006:** Nominations due for the HOGD *Mary C. Rabbitt Award* and the HOGD *Distinguished Service Award*.

**May 1, 2006:** Applications due for HOGD *Student Award*

## HISTORY OF GEOLOGY DIVISION NEWS

### ELECTION OF DIVISION OFFICERS

The following slate of Division officers was elected at the Division luncheon meeting in Salt Lake City:

*Chair:* Gary Rosenberg

*First Vice-Chair:* Julie Newell

*Second Vice-Chair:* Steve Rowland

Charlie Byers (Past Chair) and William Brice (Secretary-Treasurer) also serve on the Division's Executive Board, according to the Division Bylaws.

Suggestions for nominees for next year's slate and the name of anyone volunteering to serve as an officer will be forwarded to the nominating committee for 2006. Members of the Nominating Committee: John Diemer (UNC Charlotte), Chair; Yildirim Dilek (Miami University Ohio) and James Dawson (SUNY Plattsburgh). Send nominations to Bill Brice, Secretary-Treasurer, at [wbrice@pitt.edu](mailto:wbrice@pitt.edu).

### AWARD NOMINATIONS NEEDED

#### THE 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, established by the History of Geology Division in 1981, consists of an embossed certificate and a pewter Revere bowl. The deadline for receipt of nominations by the selection committee is **February 1<sup>st</sup>** each year. Nominations should be sent to Bill Brice, Secretary-Treasurer, at [wbrice@pitt.edu](mailto:wbrice@pitt.edu).

(continued on p2)

## **Award Nominations Needed** (continued)

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

### **THE DISTINGUISHED SERVICE AWARD:**

Established in 2005, the Distinguished Service Award may be presented, from time to time, 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 deadline for receipt of nominations by the selection committee is **February 1<sup>st</sup>** each year. Nominations should be sent to Bill Brice, Secretary-Treasurer, at [wbrice@pitt.edu](mailto:wbrice@pitt.edu).

### **STUDENT AWARD:**

**GSA's History of Geology Division** is soliciting proposals for a student award for a paper to be given at the 2006 GSA Annual Meeting. The award consists of \$500 to be applied to student expenses to attend the GSA Annual Meeting and present a paper in the History of Geology Division disciplinary session. It is open to all undergraduate and graduate students regardless of discipline, provided the proposed paper is related to the history of a geological idea/person/etc.

Proposal guidelines and application forms are available from the Division website, 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, Geology and Planetary Science, University of Pittsburgh at Johnstown, Johnstown PA 15904 [wbrice@pitt.edu](mailto:wbrice@pitt.edu). Due date for proposals and application is **May 1, 2006**.

### **AWARDS COMMITTEE:**

Nominations submitted for HOGD awards are reviewed by the Division's Awards Committee; their recommendations go to the Division's Management Board for approval. For 2006, the Charlie Byers serves as Chair of the committee. Other committee members are: Dennis Dean, Ellis Yochelson, and Gerry Friedman. Nominations should be sent to Dr. William Brice at [wbrice@pitt.edu](mailto:wbrice@pitt.edu), who will pass them on to the committee.

## **CHAIR'S REPORT GSA 2005 AND OTHER THOUGHTS**

First of all, I want to thank several people in HOGD who facilitated my work as Acting Chair for 2005. They include my predecessor, Ed Rogers, whose Topical Session, "Thinking About Fossils: The Emergence and Development of Paleontologic Thought in North America from Native American Customs to the End of the Great Western Surveys" was well received at Salt Lake City. Patrick Wyse Jackson and Steve Rowland did a fine job as co-chairs. In spite of a scheduling conflict with the Society of Vertebrate Paleontologists, Ed's session not only had several excellent presentations but also was very well attended. I estimated over 100 in the audience at maximum, which held throughout most of the talks. In fact, the reaction was so positive, that I think the theme merits further development and presentation again at a GSA in the near future. (continued on p3)

## Chair's Report (continued)

Julie Newell ably co-chaired the HOGD open discipline session with me. This session, too, was well attended (maximum audience was 120% of the seating capacity of 60 chairs) and also attests to the substantial number of GSA attendees interested in the history of geology.

Bill Brice, Michele Aldrich, Alan Leviton, Charlie Byers, and Sally Newcomb generously offered invaluable advice and assistance in a wide range of division matters. Charlie Byers volunteered to stay on as Past Chair for another year so that I did not have to take on the role of Past Chair, Acting Chair, and Incoming Chair all at the same time! John Diemer did a fine job as Chair of the Nominating Committee, and he is now joined by Yildirim Dilek and James Dawson, all of whom are open to nominations for the Division Chair rotation.

Again, I thank all of the above for their help.

### CONGRATULATIONS:

Congratulations to Gerald Friedman who received the Mary C. Rabbitt Award for his fundamental contributions to the history of geology, including the development of our Division and also the History of Earth Sciences Society.

Congratulations to Lee J. Florea (University of South Florida), our second "Student Award" winner who presented an excellent paper on "The Role of Communication in the Evolution of Thinking about Caves and Groundwater" with H.L. Vacher.



(Left) Gary Rosenberg presenting Gerald Friedman with the Division's Mary C. Rabbitt Award.  
(Right) Student Award recipient Lee J. Florea.

### GROWTH OF HOGD

The History of Geology Division is the 4th smallest division of GSA, with 355 members. Most of our active members are senior status, and many are not geologists. Many who present in our symposia are visitors, i.e. not division members. About half of the total GSA membership of 19,000 is not affiliated with any division and much of the Society's growth is in student memberships. Because many of the members of our division are not geologists, HOGD ranks first among all GSA divisions in membership who cannot be reached via GSA email lists. Only 8% of GSA's members reside outside North America (US and Canada) but the early development of our science took place beyond our continent, and we are diminished if we overlook contemporary developments of significance beyond our borders.

These demographics present special challenges and opportunities to our division, which is arguably the most important division of GSA. We are cross disciplinary and cross continental, with our affiliate, the History of Earth Sciences Society being headed by Martin Rudwick in Britain, and its journal, *Earth Sciences History*, being edited by Patrick Wyse Jackson in Ireland. Our division provides the forum for the world-wide history of our historical science. The question which deserves ongoing consideration and action is, how much growth do we want, and how do we set about achieving it?

Some steps are being taken to improve communication and thereby to increase membership. Julie Newell and Hugh Rance have volunteered to update the HOGD website. Our "student award" has raised our profile among students and our first two awardees have delivered standard-setting presentations. Charlie Byers is revising the description of the award so that it will be more suitable for distribution among non scientists as well as geologists. There is a large pool of potential interest in the history of geology outside of the science and colleagues outside the science have made important contributions to understanding our history, so it is logical to encourage their membership. We also plan to take further advantage of GSA email services to publicize our activities to a wider audience.

I believe our Student and Friends Reception is a successful tradition. The beer, food, and prizes are hooks to get people to come, and they worked. We had approximately 80–100 people at the reception this

year, and I believe we made friends for the Division. This year we had the reception on Tuesday night, one night later than usual. Although we lost out on people who left the convention Tuesday, this was the night after alumni receptions, and so we gained others who otherwise would not have showed.

### **Our Financial Condition**

The Division traditionally has funded its operations from dues and periodic contributions from the membership.

Some of the larger divisions are proposing that GSA return abstract submission fees to the divisions in which the abstract is delivered. Jack Hess, President of GSA, has said that this may be feasible but that it would require compensating cutbacks in other (unspecified) GSA services. We need to be aware of these developments.

The generous Mary Rabbitt Bequest of more than \$100,000 has improved the financial condition of our Division considerably. However, it is essential that we decide as a Division what the priorities should be for spending this money. Accordingly, I have appointed an ad hoc committee consisting of Bill Brice, Bob Dott, and Bob Ginsburg to develop long range planning ideas for the bequest. I have asked that they prepare at least a preliminary report by mid January so I can develop our 2006 convention activities using it as a guideline.

(See below for a full financial report for fiscal 2004–2005. Eds.)

### **Our History**

We are at risk of losing our history of presentations at GSA. Some topical sessions in particular deserve to have presentations bound together for all time. Thus, I have asked the ad hoc Mary Rabbitt Bequest Committee to consider providing money for publication of proceedings as per the very successful Paleontological Society's Short Course publications. An alternative is publication as a special issue of Earth Sciences History. In either event, I strongly feel that the Division should develop its own publishing imprimatur.

Respectfully Submitted  
*Gary D. Rosenberg*, Acting Chair HOGD

### **IN MEMORIAM**

We note the passing of the following historians of geology:

Bruce Bolt	Berkeley, CA	July 21, 2005
Randall E. Brown	Richland, WA	March 17, 2005
William C. Gussow	Ottawa, ON	Unknown
H. Stanton Hill	Altadena, CA	? October 2004
Cornelius Hurlbut, Jr.	Lexington, MA	1 September 2005
Digby Johns McLaren	Ottawa, ON	December 8, 2004
G. Regnell	Lund, Sweden	Unknown
Joshua I. Tracey, Jr.	Lancaster, PA	October 23, 2004
David Archer White	Austin, TX	November 23, 2004

### **NEXT NEWSLETTER**

Bill Brice will resume the editorship of this *Newsletter* effective with the next issue, on his return from a research and teaching oceanographic cruise. Please send news items to him at the address at the end of this issue. The guest editors would like to thank all who helped assemble this issue and the previous one, especially Barb Mieras EchoHawk, Julie Newell, Sally Newcomb, and Gary Rosenberg.

*Michele Aldrich and Alan Leviton*

# FINANCIAL REPORT FOR THE HISTORY OF GEOLOGY DIVISION

July 1, 2004–June 30, 2005

## STATEMENT OF ACTIVITIES

### REVENUE SOURCES

Division Dues Income	\$1,281.50	
Total Revenue		\$1,281.50

### EXPENSES

Furniture & Equipment Rental	\$14.23	
Postage, Shipping, Freight	\$504.21	
Printing (Newsletters/Labels)	\$458.34	
Awards, Purchased	\$86.30	
Misc Expense	\$33.00	
Catering & Entertainment	\$1,024.50	
Total Expenses	\$2,120.58	

<b>NET INCOME/(LOSS)</b>		<b>(\$839.08)</b>
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## STATEMENT OF FINANCIAL POSITION

### ASSETS

Cash	\$3,969.81	
Total Assets	\$3,969.81	

### LIABILITIES

Deferred Dues Income	\$687.50	
Net Assets, Beginning of Year	\$3,282.31	
Net Income/Loss Current Year		(\$839.08)

<b>UNRESTRICTED NET ASSETS, Year to Date</b>		<b>\$3,130.73</b>
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## HISTORY OF GEOLOGY DIVISION MARY C. RABBITT AWARD

July 1, 2004–June 30, 2005

HGA Fund Balance 6/30/04		\$124,669
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### INCOME

Contributions	\$33,577	
Interest	\$4,485	
Investment Gain	\$4,221	
Unrealized Gain	<u>\$5,047</u>	
Total Income	\$47,330	

### EXPENSES

Fund Disbursement	(\$500)	
Service Charges	<u>(\$910)</u>	
Total Expenses		<u>(\$1,410)</u>

<b>NET ASSETS, 06/30/05</b>		<b>\$170,589</b>
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## ROCK STAR PROJECT

A HOGD committee consisting of Robert Ginsburg (Chair), Gerry Middleton, Bob Dott, Ken Bork, Jerry Winterer, and Peter von Bitter, directs the preparation and review of short, lively essays on prominent geologists of the past that are published in *GSA Today* on a space-available basis. The committee welcomes ideas of geologists to be profiled. The first step is to contact the Chair about preparing a proposal for a profile. He can be reached by email at [rginsburg@rsmas.miami.edu](mailto:rginsburg@rsmas.miami.edu). All the past profiles are available on the Division's website <http://gsahist.org>.



### **Report on INHIGEO Meeting in Prague and the Czech Republic, July 2-12, 2005**

Under the able leadership of Jan T. Kozák and his helpers from the Geophysical Institute and the Czech Geological Survey, forty-two participants from seventeen countries, plus a small and talented group of spouses, were informed, educated, and generally charmed by the geology, history, and culture of the Czech Republic. We were fortunate to have informed guides to a good bit of Bohemia and Moravia.

The trip during the first weekend was in West and North Bohemia where we saw the brown coal mining in the Tertiary basins of the Ohre River rift zone and its ecological impact, the famous spas and hydrogeology of West Bohemia, and the Tertiary and Quaternary volcanism of the region. At one of the best known spas in the world, Karlovy Vary (Carlsbad), we met the chief hydrogeologist and were taken on a 'behind the scenes' tour, liberally sampling the spa waters with special spa cups. Verdict: not bad, and maybe healthy. The town is truly beautiful with much history over a period of six hundred years. We only drove through Marianbad, but the next day had lunch and a walk at the third spa, Frantiskovy Lázně, which is particularly concerned with women's health. One water sample tasted there was most unpleasant, but may have been the healthiest of all. We had spent the night in the hotel at the Norbertine Abbey at Teplá, where we were also shown the magnificent library. On the second day we also went to the national nature reserve of Soos, where mineral water springs and mud volcanoes are abundant.

On Monday and Tuesday we were in Prague at the Geophysical Institute, where many participants gave papers on the histories of geophysics, and earthquakes. This was followed by a celebratory dinner in central Prague. We were learning that Czech cuisine is delicious, especially when accompanied by one of the locally brewed beers.

The next day we had a full day field trip to the Bohemian massif, a relic of the Hercynian orogenic belt in Europe, and an overview of the geology of the region. The trip included a visit to a museum in Trebenice in the Bohemian garnet region. Everyone had noticed the beautiful garnet jewelry for sale in Prague. We were now close to the source. Quite a few participants or their significant others now have lovely garnet necklaces as a reminder of the country. We visited the Barrandian rocks the next day. They are near to Prague and were the site of significant if disputed discoveries in paleontology. The bus left us off at the Castle in Prague where many of us explored the Castle and the incredible library.

On Friday we went to the medieval mining center of Kutná Hora, much of which is a UNESCO world heritage site. Silver was mined there from the 13<sup>th</sup> century to the 19<sup>th</sup> century. There is much of interest in the town including the church of St. Barbara, the patron saint of miners, with frescos and statuary depicting mining activities. Many of the churches in the Czech Republic date from the 12<sup>th</sup> to the 18<sup>th</sup> centuries. We were also welcomed at the local branch of the Czech Geological Survey to view a wonderful group of old maps, mostly related to the mining areas and operations.

The three day field trip to Moravia included a visit to Mendel's monastery in Brno, a tour through a

magnificent limestone cave by foot and by boat on an underground river, much evidence of karst topography, a museum of Neolithic artifacts, and a two-night stay in Valtice at the Duke of Liechtenstein's summer palace, which we all thoroughly enjoyed. The INHIGEO business meeting was held Sunday morning, followed by a presentation on Czech and Central European geological maps, and a film about the remarkable New Zealand geologist Harold Wellman, who first recognized the Alpine Fault in the country's South Island as a transcurrent fault, and later slotted that movement into the understanding of plate movements in the area. One of the participants, Simon Nathan, has recently published a fine biography of Wellman, and another, Rodney Grapes, figured in the film (looking younger than today!), while a third, Michael Johnston, had been one of Wellman's PhD students. Our last formal banquet of the meeting was held in the palace's wine cellar there. By the time we'd all sampled five Moravian wines, eaten good food, and listened to an excellent folk music ensemble, many of our group danced, the two left feet of some participants (especially yours truly) notwithstanding. We had one final field trip day to the Prague basin, and which included a view of the GSSP, for the Silurian and Devonian boundary.

Next year's INHIGEO meeting will be held in Lithuania, Latvia, and Estonia.

Report submitted by *Sally Newcomb*

## MEETINGS OF INTEREST AND CALLS FOR PAPERS

### *HISTORY OF THE EVOLUTION OF GEOLOGICAL THINKING ABOUT THE APPALACHIANS*

#### **GSA NORTHEASTERN SECTION MEETING**

**March 20-22, 2006**

**Radisson Penn Harris Hotel and Convention Center, Camp Hill/Harrisburg, PA**

**Abstract deadline: Dec.13, 2005**

**Website:** <http://www.geosociety.org/sectdiv/northe/06nemtg.htm>

We invite your participation in a session to explore the evolution of our understanding of Appalachian geology in such topics as geomorphology, structural geology and tectonics, stratigraphy, paleontology, petrology, and mapping. Although the rocks have changed very little in the last two hundred years, there have been major changes in the interpretation of those rocks by geologists involved in Appalachian studies. These changes have come in both the theories applied and in the methods of collecting and analyzing data. An example of a contribution to the session might be exploration of the application of successive techniques or ideas to the same question, and how it changed understanding of the problem. There was much work that was, and is still, synergistic, in that advances in one area can lead to reinterpretation of data from another discipline. A paper tracing such connections would be another interesting topic to explore. Notable geologists, some of whom are still working, have contributed to Appalachian studies. We welcome retrospectives of their careers and the ideas they espoused, which may have changed over their working lives. The Appalachians were a proving ground for vital institutions such as the Pennsylvania Geological Survey. Papers on the history of those institutions and their role, as well as the roles played by local politics and funding, are other possibilities. We encourage student participation at both undergraduate and graduate levels by way of the history of ideas they are exploring for a thesis or senior project. Session organizers: Sally Newcomb [snewcomb@earthlink.net](mailto:snewcomb@earthlink.net), and William Brice [wbrice@pitt.edu](mailto:wbrice@pitt.edu).

### *FOSSILS OF OHIO: A CENTURY AFTER NEWBERRY*

#### **GSA NORTH-CENTRAL SECTION MEETING**

**APRIL 20-21, 2006**

**University of Akron, Akron, OH (continued on p8)**

**GSA North-Central Section Meeting (continued)**

**Abstract deadline: Jan. 21, 2006**

**Website:** <http://www.geosociety.org/sectdiv/northc/06nemtg.htm>

Historical papers (as well as paleontological papers) will be considered for a North-Central GSA regional meeting theme session on *Fossils of Ohio: A Century After Newberry*. For example, papers could examine work on Ohio fossils by John Strong Newberry, his successors and predecessors, or paleontologic projects done by the Ohio state survey or various universities and museums. Abstract deadline: January 25, 2006. Informal discussion with the session organizer before the deadline is welcome; contact Professor Lisa Park [lepark@uakron.edu](mailto:lepark@uakron.edu), (330) 972-7633.

**THE OIL AND GAS LEGACY OF THE MID-CONTINENT: AN INTERNATIONAL SYMPOSIUM AND FIELD TRIPS**  
**Co-sponsors: History of Earth Science Society; GSA History of Geology Division**  
**April 20-22, 2006**

**The Hotel at Oldtown, Wichita, Kansas**

**Lawrence Skelton, General Chair, Kansas Geological Survey** [lskelton@kgs.ku.edu](mailto:lskelton@kgs.ku.edu)

Join us for our International Symposium and Field Trips as we explore the mid-continent region of North America. There will be a daylong symposium of both oral and poster presentations on various aspects of the history of the international oil and gas industry, plus another daylong field trip to examine some of the fine oil and gas heritage sites in the region. On Friday evening we will be honoring selected members of the oil and gas industry for their long-time contributions.

#### SCHEDULE OF PLANNED EVENTS

##### THURSDAY, April 20, 2006

Noon	Registration and mounting of poster presentations.
2:30 PM	Optional activities: walking tour to see building stones, visit to the Wichita well sample library, or visit the site of the 1895 well.
6:00–7:00 PM	Ice-Breaker Reception – Viewing posters with authors present
7:00 PM–??	Performance at a local Melodrama Dinner Theater.

##### FRIDAY, April 21, 2006

7:00 AM	Continental breakfast, The Hotel at Oldtown.
8:00 AM- 11:30	Technical sessions and coffee break; viewing posters with authors present
Noon	Lunch
1:30–5:00 PM	Technical sessions and coffee break; viewing posters with authors present
6:00 PM	<i>Honors and Awards</i> Reception
6:45 PM	<i>Honors and Awards</i> Banquet
8:00 PM	<i>Honors and Awards</i> Presentations
8:30 PM	Keynote Address: Dr. Norm Hynes of Tulsa University Topic: “The Ida E. Glenn Well and the Glenn Pool Oil Field.”

##### SATURDAY, April 22, 2006

6:30 AM	Continental breakfast – The Hotel at Oldtown
7:30 AM	A day-long field trip by motor coach, with lunch and breaks, to explore the oil and gas heritage of the Wichita area. Meeting officially ends at 6:00 PM.

**OCEANS AND ATMOSPHERES:** Dibner Institute Seminar in the History of Science and Technology, May 17-24, 2006 at the Marine Biological Laboratory, Woods Hole, MA, USA (organized by Naomi Oreskes, University of California, San Diego; James Fleming, Colby College/ Smithsonian Institution; and Erik Conway, Jet Propulsion Laboratory/ Caltech). A week-long intensive historical seminar. Further information: <http://dibinst.mit.edu/DIBNER/DIConferences/WoodsHole/WoodsHoleTopic.htm> Application deadline, Feb. 15, 2006. Application form: <http://dibinst.mit.edu/DIBNER/DIConferences/WoodsHole/WoodsHoleApplication.htm>

**HISTORY OF SCIENCE SOCIETY:** 2–5 November 2006 Vancouver, BC, Canada. Session and paper proposals will be due sometime in the Spring of 2006. See HSS website for details: <http://www.hssonline.org>.

## **BOOKS, ARTICLES AND WEBSITES OF INTEREST**

Compiled by Sally Newcomb and Newsletter Editors

HERBERT, SANDRA. 2005. *Charles Darwin, Geologist*. 512 pp., 17 maps, 33 half-tones, 8 pgs. color. On Darwin's return to England, it was his geological findings that first excited scientific and public opinion. Geologists, including Darwin's former teachers, proved a receptive audience, the British government sponsored publication of his research, and the general public welcomed his discoveries about the earth's crust. Because of ill health, Darwin's years as a geological traveler ended much too soon: his last major geological fieldwork took place in Wales when he was only thirty-three. However, the experience had been transformative: the methods and hypotheses of Victorian-age geology, Herbert suggests, profoundly shaped Darwin's mind and his scientific methods as he worked toward a full-blown understanding of evolution and natural selection. Cornell University Press, Ithaca, New York. ISBN 0-8014-4348-2. \$39.95; cloth.

RUDWICK, MARTIN J.S. 2005. *Bursting the Limits of Time: The Reconstruction of Geohistory in the Age of Revolution*. 840 pp., 145 halftones. The belief in a six-thousand-year-old planet was only laid to rest during a revolution of discovery in the late eighteenth and early nineteenth centuries. In this period, geologists reconstructed the immensely long history of the earth—and the relatively recent arrival of human life. *Bursting the Limits of Time* sketches this historicization of the natural world in the age of revolution. Martin Rudwick examines the ideas and practices of earth scientists throughout the Western world to show how the story of “deep time” was pieced together. He explores who was responsible for the discovery of the earth's history, refutes the concept of a rift between science and religion in dating the earth, and details how the study of the history of the earth defined a new branch of science called geology. Rooting his analysis in a detailed study of primary sources, Rudwick emphasizes the lasting importance of field- and museum-based research of the eighteenth and nineteenth centuries. University of Chicago Press. ISBN 0-226-73111-1. \$45.

ROZWADOWSKI, HELEN M. 2005. *Fathoming the Ocean* (304 pp., 40 halftones) chronicles the birth of deep-sea oceanography, from early observations by Benjamin Franklin to the voyage of HMS *Challenger* in the 1870s. She tells the story of how sailors and scientists combined to carry out the first explorations of the ocean depths, showing how these actors and events revolutionized understanding of a hitherto unknown region. Belknap, Harvard University Press. ISBN 0-674-01691-2. \$25.95 (cloth).

DARCY, HENRY. 1856. *The Public Fountains of the City of Dejon*. Translation by PATRICIA BOBECK, 2005. Geomatrix, Kendall/Hunt Publ. Co. 647 pp. The public fountains of the City of Dijon by Henry Darcy, has been translated from French to English. This book is Darcy's account of the water supply system he built in Dijon, France in 1840. The translation contains 28 plates of Darcy's engineering drawings that were originally published as a companion volume to the 647-page text. (To order: Kendall/Hunt Publ. Co. Phone: 800-228-0810; FAX 800-772-9165; Email: [orders@kenmdallhunt.com](mailto:orders@kenmdallhunt.com).)

RUDWICK, MARTIN J.S. 2005. *Lyell and Darwin, Geologists*. Ashgate. ISBN 0-86078-959-4. 334 pp. \$114.95. This book consists mainly of Rudwick's previously published essays on Lyell and Darwin, brought together conveniently in one place.

DOTT, JR., ROBERT H. 2005. *James Hall Jr., 1811–1898*. National Academy of Sciences, *Biographical Memoirs*, vol. 87. 19 pp. Portrait.

**Online Darwin Papers.** James Secord (Dept. History & Philosophy of Sciences, Univ. Cambridge) and Janet Browne (Wellcome Trust Centre for the History of Medicine, Univ. College London) will create a comprehensive scholarly collection of Charles Darwin's published and unpublished writings on the world wide web. Books, articles, unpublished manuscripts and associated book reviews and related sources will be included; correspondence will be published separately by the Darwin Correspondence Project. For further information, visit <http://darwin-online.org.uk>.

**New in paperback:** JAMES RODGER FLEMING, *Historical Perspectives on Climate Change*. Oxford University Press, 2005. To contact the press: <http://www.oup.com/us/catalog/general/subject/AtmosphericScience/Climatology/?view=usa&ci=0195189736>.

**Marine Wind Scales and Weathermen: Three Centuries of Understanding and Describing the Weather at Sea.** National Maritime Museum, Greenwich, England. 14 Jan. 2006. To order: phone 020 8312 8560 or email [bookings@nmm.ac.uk](mailto:bookings@nmm.ac.uk).

KOZÁK, J.T., V.S. MOREIRA AND OLDROYD, D. 2005. *Iconography of the 1755 Lisbon Earthquake*. Prague: Academy of Sciences of the Czech Republic. To order, contact Jan Kozák, [kozak@ig.cas.cz](mailto:kozak@ig.cas.cz).

OKADA, H. WITH A.J. K. SMITH. [2002] 2005. *The Evolution of Clastic Sedimentology*. Foreward by Prof. Robert Dott. Edinburgh: Dunedin Academic Press Ltd.

NATHAN, S. 2005. *Harold Wellman: A Man Who Moved New Zealand*. Wellington, N.Z.: Victoria University Press. Simon Nathan has also called attention to the *Online Encyclopedia of New Zealand* at <http://www.teara.govt.nz>. The geological content will be available to all in April 2006.

JAN KOZÁK, Prague Geophysical Institute, has collected earthquake imagery for many years. In order to view the *Kozák Collection*, go to the website <http://nisee.berkeley.edu/kozak>.

WINCHESTER, SIMON. 2005. *A Crack in the Edge of the World: America and the Great California Earthquake of 1906*. HarperCollins. ISBN 0-06-057199-3. \$27.95; cloth; 480 pp. Also available on CD. To order: [www.harperAcademic.com](http://www.harperAcademic.com).

**HISTORY OF OCEANOGRAPHY** #17 for September 2005 is now online via the website of the International Journal of Naval History. To see it, go to [www.ijnhonline.org](http://www.ijnhonline.org) and find the link in the right hand column. The format is pdf, requiring Adobe Reader (available free online).

## KUDOS

**AMERICAN ASSOCIATION OF PROFESSIONAL GEOLOGISTS:** The American Association of Professional Geologists (AAPG) has selected **JIM SKEHAN**, SJ, Professor and Director Emeritus of Weston Observatory, Department of Geology and Geophysics, Boston College to receive its most distinguished award, the Ben H. Parker Memorial Award, for his long-time continued contribution to the profession of geology. Skehan is a long-time member of GSA's History of Geology Division.

At GSA Salt Lake **BOB GINSBURG**, was the recipient of a distinct honor at the GSA Sedimentary Geology Division-sponsored Session 75, which was titled "Comparative Carbonate Sedimentology: A Tribute to the Career of R.N. Ginsburg."

**GERALD M. FRIEDMANN** received the 2005 Legendary Geoscientist Award from the AAPG. Established in 1999, the award is presented to a geoscientist who has demonstrated a long history of scientific achievement and exceptional service to the geoscience profession.

**KUDOS** continued

**MICHELE ALDRICH, DETECTIVE EXTRAORDINAIRE:** Sarah Andrew has named a new character in her Em Hansen geo-mystery books after Michele Aldrich, the guest editor of this newsletter. In *Dead Dry* (St. Martin's Press, 2005), Michele Aldrich is a homicide detective in the Salt Lake City police department.

## RESEARCH OPPORTUNITIES

**NEWS FROM SCRIPPS INSTITUTION OF OCEANOGRAPHY:** Deborah Day, Scripps Archivist reports that a fellowship named in honor of Fritz Rehbock, the Pacific historian, has been established at Scripps. It reimburses research expenses of scholars working in Scripps Archives who do not have research grants to cover their travel/accommodations. The first priority is students of history, but the fund is available to all scholars. So someone wants to work with the Scripps collections, contact the archivist, Deborah Day, at [Deborah@library.ucsd.edu](mailto:Deborah@library.ucsd.edu).

**DAVID WOODWARD MEMORIAL FELLOWSHIP:** Applications are solicited for an annual two-month fellowship at the University of Wisconsin-Madison campus to research and write on a subject related to the history of cartography. The fellow chosen for the 2006–07 academic year will focus on the period 1640–1800, the European Enlightenment. For more information, contact Loreya Freiling, Institute for Research in the Humanities; phone: (608) 262-3855; fax: (608) 265-4173; email: [freiling@wisc.edu](mailto:freiling@wisc.edu). Application deadline: 15 January 2006.

Many other archives and universities offer stipends to bring researchers to use their collections. They are usually described on the institution's website, and many are briefly described in the History of Science Society's quarterly newsletter, which is available at <http://www.hsonline.org/society/about/newsletter>.

## NEWS ALERT

**The USGS Libraries** are in the process of being reorganized as part of a budget reduction plan which involves reduction in staff, services and acquisitions, as well as a change in the reporting structure. More information is available from the following website: [http://www.geoinfo.org/GSIS\\_News\\_USGS\\_Libraries.htm#Latest%20News](http://www.geoinfo.org/GSIS_News_USGS_Libraries.htm#Latest%20News). If you have used the USGS Libraries, and/or are acquainted with their services and personnel, you are encouraged to express your opinion and concerns to Ron Lofton [rlofton@usgs.gov](mailto:rlofton@usgs.gov) Pat Leahy [pleahy@usgs.gov](mailto:pleahy@usgs.gov) or Karen Siderelis [ksiderelis@usgs.gov](mailto:ksiderelis@usgs.gov).

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