



# The Hydrogeologist

Newsletter of the  
GSA Hydrogeology Division

October 2004  
Issue No. 61

## Denver GSA Meeting Aims For New “Rocky Mountain High”

Story by Jim Hendry

After a hectic three weeks organizing, the itinerary for the 2004 GSA Annual Meeting, November 7-10 in Denver, is complete. It will, once again, be the premiere annual conference for hydrogeologists.

The Hydrogeology Division is sponsoring or co-sponsoring at least 32 half-day sessions during the four day period. Several of our sessions are co-sponsored by non-GSA groups and associations as well as other GSA Divisions. Co-sponsors include the International Association of Hydrogeologists, National Ground Water Association, U.S. Geological Survey, U.S. Environmental Protection Agency, and the Karst Waters Institute as well as the GSA Divisions of Engineering Geology, Geophysics, Geobiology and Geo-



*Rendering of the newly remodeled Colorado Convention Center. (Rendering courtesy of Fentress-Bradburn Architects, LTD).*

microbiology, Quaternary Geology and Geomorphology, Sedimentary Geology, and the GSA Geology and Public Policy Committee. Although many of the sessions relate to important hydrogeologic themes and physical areas,

*Please see **GSA 2004** on page 18*

### In This Issue:

Chair's Corner .....	2	Student Reception Takes Shape .....	15
O.E. Meinzer Award to de Marsily .....	3	Woessner Named 2005 Birdsall-Dreiss Lecturer .....	15
Freeze Awarded Distinguished Service Award .....	4	NGWA-GSA Collaboration .....	16
Mann Mentoring Program .....	5	Solomon Named 2005 Darcy Lecturer .....	17
Denver Hydrogeology Division Technical Program .....	7	Bulletin Board .....	19
2004 Birdsall-Dreiss Lecture Schedule .....	12	From the Editor .....	19
Salt Lake City 2005 Underway .....	13	Division Contacts .....	20
Birdsall-Dreiss Fund Update .....	14		

**EDITOR'S NOTE:** A color version of this newsletter is available on the web at [<http://gsahydrodiv.unl.edu>]

# Chair's Corner...



**Chris Neuzil, Chair  
GSA Hydrogeology  
Division**

The Fall Newsletter is where Division Chairs can be somewhat reflective, with most of their year as Chair behind them. I have no profound observations to offer, but I will tell you that I have gained a fuller appreciation for all that our Division and GSA do.

Hydrogeology has grown like a weed since I began my career in the late 70s. Amazingly, it has remained a particularly close-knit,

collegial community, and this is something to be greatly valued. It is possible to personally know a significant fraction of the scientists who work in our discipline. With those one doesn't personally know, it usually turns out that there are few "degrees of separation."

Organizations like GSA and our Hydrogeology Division are the glue that binds us, making this possible. Meetings forge lifelong associations and, often, friendships. The long-running Birdsall-Dreiss Distinguished Lectureship brings students and others around North America face-to-face with established hydrogeologists. Our student receptions inculcate the culture of collegiality in succeeding generations of hydrogeologists. All of this is good for our science and good for us.

It doesn't just happen, however. As is often the case, these things are more complicated than they look. Our Division relies on the efforts of many volunteers. They include members of committees who nominate award winners, lecturers, and new Division leaders, Section representatives, and others who help in numberless ways. However, I

want to mention here a few individuals whose efforts seem to me to be particularly underappreciated. Ralph Davis has served as Secretary/ Treasurer for some years (and will soon finish his term). Ralph's hard work, perspective, and knowledge of Division affairs have been crucial for keeping things going. Ed Harvey has done a superb job of editing our Newsletter and upgrading and maintaining our website, and has done it all with good humor. As current and incumbent Program Chairs, Jim Hendry and Joe Donovan have worked hard to find the program "sweet spot" where half our members think there are too many sessions and half think there are too few. And finally, my predecessor Bob Ritzi has worked very hard to make this year's student reception a success as well as guiding me through this past year.

I look forward to seeing many of you in Denver. We have a great program this year and our awards luncheon promises to be memorable.



## The Hydrogeologist

The Hydrogeologist is a publication of the Hydrogeology Division of the Geological Society of America. It is issued twice a year, to communicate news of interest to members of the Hydrogeology Division. During 1998, the publication moved from paper-based to electronic media. The electronic version may be accessed at: <http://gsahydrodiv.unl.edu>. Members of the Hydrogeology Division who have electronic mail will receive notification of all new issues. Other members will continue to receive paper copies.

Contributions of material are most welcome, and should be directed to the Editor. Submission as Word or WordPerfect document is most expedient.

F. Edwin Harvey, Editor  
The Hydrogeologist  
107 Nebraska Hall  
University of Nebraska  
Lincoln, Nebraska 68588-0517

Voice: (402) 472-8237  
Fax: (402) 472-4608  
Email: feharvey1@unl.edu

**Deadline, Spring Issue**

**May 1, 2005**

# Ghislain de Marsily Named 2004 O.E. Meinzer Award Recipient

The 2004 O.E. Meinzer Award will be presented to Ghislain de Marsily of Paris VI University at the Geological Society of America meeting in Denver this November. Of note, de Marsily is the first French countryman to receive this prestigious award. Marsily has written four books and authored over 100 journal articles. He has sat on numerous advisory boards



*Ghislain de Marsily*

including the Swedish Nuclear Inspectorate, the WIPP Project for Sandia National Laboratory, the Nuclear Waste Program of the European Commission, The Commission of Environmental Management Technology of the US National Academy of Science, US National Academy Committee on Disposition of High-Level Waste and Spent Fuel, NEA-IAEA review team for Yucca Mountain Site Recommendation Performance Assessment. De Marsily has received many prestigious awards. He is a fellow of the American Geophysical Union and received that society's Horton Award for Hydrology, in 1995. He received the Körber Award, presented by the Foundation for the Advancement of European Science in 1992. In 1994, he received an honorary doctorate from the University of Québec. In 1999 he was appointed as a foreign associate to the US National Academy of Engineering. He is also a member of the International Water Academy, Oslo and joined the French Academy of Engineering in 2000.

De Marsily, a classically trained Civil Engineer, received his Ph.D. in 1968 from the University of Paris. He began his career working as a drilling and grouting contractor in the Sahara and in France. In 1967 he began a research and teaching career at the Paris School of Mines. During the next 20 years, de Marsily built an internationally recognized program in hydrogeology. De

Marsily left the Paris School of Mines in 1989 to become the Director of the Laboratory for Applied Geology, University of Paris VI.

## O.E. Meinzer Award Papers

Matheron, G. and Ghislain de Marsily, 1980, Is transport in porous media always diffusive? A counter example, *Water Resources Research*, Vol. 16, Issue 5, p. 901-917.

De Marsily, Ghislain, 1986, *Quantitative Hydrogeology*, Academic Press, New York, New York, 440 p.

Congratulations Ghislain from your Hydrogeology Division friends and colleagues!



**Want to know what's going on within the GSA Hydrogeology Division?**

**Then visit our website at <<http://gsahydrodiv.unl.edu>> to catch up on the latest events or find out how you can become more involved with our activities.**

# Freeze to Recieve 2004 Distinguished Service Award

The 2004 Distinguished Service Award will be presented to **R. Allan Freeze** at the Geological Society of America meeting in Denver this November in recognition of his pioneering contributions to quantitative studies in hydrogeology, his mentorship in the field through textbooks and teaching, and his service to the profession through work on numerous advisory committees for government agencies, industry, and academia.

Allan Freeze has contributed his skills as a hydrologic scholar, geological engineer, and private consultant to the hydrogeology profession for over 40 years.

Although he began his career working as a field hydrologist in the Canadian provinces, by the mid-1960's he had developed an international reputation as an expert in the numerical analysis of regional groundwater flow through a series of novel papers published in a new journal called *Water Resources Research* and through a series of bulletins published by the Geological Survey of Canada/Inland Waters Branch. By the mid-1990's, Freeze was the author of over 100 technical and scientific publications covering a wide spectrum of topics (mapping groundwater systems; 2-D and 3-D modeling of regional flow; rainfall-runoff theory and streamflow generation; deep-well injection of waste; nuclear-waste disposal and waste management; stochastic analysis of subsurface flow; statistics of baseball batting orders; geotechnical studies of consolidation, land subsidence, slope stability, and damsite seepage; groundwater in mountainous terrains; Pb-Zn ore formation in sedimentary basins; hydrogeological decision analysis, risk assessment and data worth; history of science). The high quality of science embedded in these publications won him awards from GSA (O.E. Meinzer Award, 1974), American Geophysical Union, Royal Society of Canada, Canadian Geotechnical Society, American Institute of Hydrology, National Ground Water Association, and



R. Allan Freeze

most recently, an honorary Doctor of Science degree from the University of Waterloo.

Freeze's service in professional societies, education, and student mentoring is of course equally highly regarded as his science and engineering. At the University of British Columbia he served as Professor of Geological Engineering for 18 years, which included a few years as Associate Dean for the Faculty of Graduate Studies. Freeze served as co-editor (with Jared L. Cohon) of *Water Resources Research* (1976-1980), co-organized GSA Penrose conferences, and served as president of the Hydrology Section of the AGU (1984-86). While at UBC he also taught,

inspired, and supervised numerous students in hydrogeology, and published in 1979 (with co-author John A. Cherry) the book "*Groundwater*", which became the most widely referenced textbook in hydrogeology. In 1991, Freeze left academia to devote more time to his family, his engineering consultancy, and his hobbies. Although retired both from academic and engineering work now, his latest book was just published in 2000: "*The Environmental Pendulum: A Quest for the Truth About Toxic Chemicals, Human Health, and Environmental Protection*" presents a deep and unique perspective on societal issues of groundwater contamination from a practical viewpoint of great interest to decision makers, economists, engineers, environmental health experts, lawyers, and hydrogeologists.

For his superb scientific and engineering leadership and mentorship in the hydrogeologic profession, the Hydrogeology Division takes great pride in presenting R. Allan Freeze with the Distinguished Service Award for 2004.

Congratulations Al from your Hydrogeology Division friends and colleagues!



# GSA's John Mann Mentors in Applied Hydrogeology

Story by Karlon Blythe, GSA Outreach Program Officer

The John Mann Mentors in Applied Hydrogeology Programs are designed to acquaint undergraduate, graduate, and recent graduate students with careers in applied hydrogeology through mentoring opportunities with practicing professionals. The program goal is to bring together for mentoring purposes these students with professionals from (a) the existing pool of practicing hydrogeologists associated with GSA's Hydrogeology Division Annual Meetings, (b) GSA Sections' Hydrogeology Representatives and other attendees, and (c) other hydrogeology professionals in attendance at GSA's Section Meetings, including non-GSA members.

The program is presented in two distinct venues—one model for Section Meetings

and a separate model for the Annual Meeting.

## GSA'S ANNUAL MEETING MODEL

Funds from the Mann Program will be expended to purchase luncheon tickets for up to 25 students who have declared interest in hydrogeology/hydrology as a career choice to attend the Hydrogeology Division's annual combined Business Meeting, Awards Presentation, and Luncheon meeting. The



*Patrick Leahy (center) passes on his hydrogeological wisdom to students as part of the John Mann Mentor Program. (Photo by Karlon Blythe)*

**The John Mann Mentors in Applied Hydrogeology Program gratefully acknowledges these mentors for their individual gifts of time and for sharing their insight with GSA's student members.**

Carter Borden  
DHI Incorporated  
Boise, Idaho

Hugh A. Hurlow  
Utah Geological Survey  
Salt Lake City, Utah

Kimberly McGeehan  
Weston Solutions, Inc.  
Abingdon, Maryland

Mark W. Eisner  
Advanced Land & Water, Inc.  
Sykesville, Maryland

Todd R. Kincaid  
Hazlett-Kincaid, Inc.  
Reno, Nevada

Christian Petrich  
SPF Water Engineering, LLC  
Boise, Idaho

Jack R. Harrison  
HyQual  
Boise, Idaho

Patrick Leahy  
U.S. Geological Survey  
Reston, Virginia

Larry N. Smith  
Montana Bureau of  
Mines & Geology  
Butte, Montana

privilege of attending this already established event will engage students in: (a) experiencing firsthand the passion associated with a career in hydrogeology, (b) networking with a broad base of hydrogeologists, (c) witnessing the modeling of first-rate leadership skills by Division officers and members, and (d) observing the rewards of good work through the presentation of the O.E. Meinzer Award and the Student Research Grant Awards supported by the Division and presented at this meeting. These awards represent tangible rewards related to career choices. This subsidized student opportunity will provide a meaningful educational and professional encounter seldom achievable by students due to their lack of financial resources. Eligible students are those who have ticked the box on their membership application that indicates their professional interest in hydrology/hydrogeology.

### GSA'S SECTION MEETINGS MODEL

The goal is to stage one event per Section Meeting each spring (total of 6, subject to approval by each Section's Local Chair). These events are informal, early-evening refreshment meetings that bring students interested in applied hydrogeology as a career together with practicing hydrogeologists. The Mann Program maintains a high ratio of Mentors to students to encourage meaningful discussions and follow-on communications between the students and professionals. These meetings are free to all participants.

At Section Meetings this past spring, these relaxed, focused, and deliberately small-scale events brought appreciative comments from the students, including:

•“The most valuable aspects (of the Mann Program) were learning about what employers expect at interviews and what training you should have. Plus learning what employers are looking for in a new hire.”

•“The diversity of the Mentors was great. They were knowledgeable and very helpful with their advice about jobs and how things are done in professional consulting.”

•“I liked the one-on-one contact. The small size of the meeting meant that there was two-way interaction and not simply listening to someone talk. “

The 2004 Mentors for the John Mann Mentors in Applied Hydrogeology came from private and public businesses and government agencies. They represented a broad range of backgrounds, education, experience, and expertise sharing the common links of an interest in water, and the desire to give back to their profession.

### Biggest Program Challenge

As the Program Officer charged with administering the John Mann Mentors in Applied Hydrogeology Program, my biggest challenge has been identifying potential hydro-related Mentors who are available to participate in these Mann Programs at GSA's Section Meetings. If you plan to attend a 2005 GSA Section Meeting and would be willing to serve as a Mann Mentor, please contact Karlon Blythe, kblythe@geosociety.org. The schedule for the Mann Programs for the 2005 Section Meetings follows (see inset below). Please check your schedules and see if you might be able to join us for snacks, beverages, and great conversation!



## John Mann Mentors in Applied Hydrogeology Program Schedule 2005

Section	Date/Time	Location
Cordilleran Section	April 29; 5-6:30 p.m.	San Jose, CA
North-Central Section	May 19; 5-6:30 p.m.	Minneapolis, MN
Rocky Mountain Section	May 23, 6-6:30 p.m.	Grand Junction, CO
South-Central Section	April 1; 5-6:30 p.m.	San Antonio, TX
Northeastern Section	March 15, 5-6:30 p.m.	Saratoga Springs, NY
Southeastern Section	March 17, 5-6:30 p.m.	Biloxi, MS

# 2004 GSA Annual Meeting Program Schedule

## Hydrogeology Division

Saturday November 6	Sunday November 7	Monday November 8	Tuesday November 9	Wednesday November 10
<b>8:00 a.m. - noon</b>	<b>8:00 a.m. - noon</b>	<b>8:00 a.m. - noon</b>	<b>8:00 a.m. - noon</b>	<b>8:00 a.m. - noon</b>
<p>Field Trips 7:00 am Departure</p> <p>Short Courses 8:00 am - 5:00 pm</p>	<p>President's Student Breakfast (<b>FREE</b>) 7:00 - 8:30 am (Marriott Hotel)</p> <p>Technical Sessions 8:00 am - 12:00 pm</p> <p style="text-align: center;"><b>Hydrogeology Division Management Board Meeting</b> 11:00 am - 1:00 pm (CCC 604)</p>	<p>Technical Sessions 8:00 am - 12:00 pm</p> <p>Exhibits Open 9:00 am - 5:30 pm</p>	<p>Technical Sessions 8:00 am - 12:00 pm</p> <p>Exhibits Open 9:00 am - 5:30 pm</p> <p style="text-align: center;"><b>Hydrogeology Division Management Board Meeting</b> 11:00 am - 1:00 pm (CCC 604)</p>	<p>Technical Sessions 8:00 am - 12:00 pm</p> <p>Exhibits Open 9:00 am - 2:00 pm</p>
<b>Luncheons:</b>		<b>Hydrogeology Division Luncheon, Awards, Business Meeting</b> noon - 3:00 pm (Moulin Rouge)		<b>Consortium of Universities for the Advancement of Hydrologic Sciences (CUAHSI) Town Hall Meeting</b> noon - 1:30 pm (CCC 102)
<b>1:30 - 5:30 p.m</b>	<b>1:30 - 5:30 p.m</b>	<b>1:30 - 5:30 p.m</b>	<b>1:30 - 5:30 p.m</b>	<b>1:30 - 5:30 p.m</b>
<p>GSA Presidential Address &amp; Awards Ceremony 7:00 - 9:00 pm (Hyatt: Grand Ballroom)</p>	<p>Technical Sessions 1:00 - 3:30 pm</p> <p style="text-align: center;"><b>Welcoming Party &amp; Exhibit Hall Opening</b> 5:30 - 7:30 pm</p> <p style="text-align: center;"><b>Beer &amp; Geology</b> 7:30 - 10:30 pm (CCC Ballroom 2/3)</p>	<p>Technical Sessions 1:30 - 5:30 pm</p> <p style="text-align: center;"><b>Hydrogeology Division Luncheon, Awards, Business Meeting</b> noon - 3:00 pm (Moulin Rouge)</p> <p style="text-align: center;"><b>Birdsall-Dreiss Distinguished Lecture</b> 4:30 - 5:30 pm (CCC 108/110/112)</p> <p>Alumni Night: Group Alumni Party 5:30 - 7:30 pm</p>	<p>Technical Sessions 1:30 - 5:30 pm</p> <p style="text-align: center;"><b>NGWA Darcy Distinguished Lecture</b> 4:30 - 5:30 pm (CCC 207)</p>	<p>Technical Sessions 1:30 - 5:30 pm</p> <p>GSA Annual Meeting Ends at 5:30 pm</p>
<b>Receptions:</b>			<b>Hydrogeology Division Student Reception</b> 5:45 - 7:30 pm (CCC Concourse A)	

# Hydrogeology Division Sponsored Technical Program Schedule for the 2004 Denver Meeting

Session Title	Day	Time	Room
T1. The Future of Hydrogeology I	SU	8:00 AM - 12:00 PM	Ballroom 4
T23. Sources, Transport, Fate, and Toxicology of Trace Elements in the Environment	SU	8:00 AM - 12:00 PM	207
T27. Characterization and Representation of Flow Through Karst Aquifers I	SU	8:00 AM - 12:00 PM	205
T33. Geologic Disposal of Radioactive Waste: Rising to the Challenge of Regulatory Requirements and Environmental Protection at the Waste Isolation Pilot Plant (WIPP) Near Carlsbad, New Mexico, and the Yucca Mountain Site, Southern Nevada I	SU	8:00 AM - 12:00 PM	203
Geochemistry I: Geochemistry of the Earth's Surface	SU	1:30 PM - 5:30 PM	601
T1. The Future of Hydrogeology II	SU	1:30 PM - 5:30 PM	Ballroom 4
T5. Groundwater Depletion and Overexploitation in the Denver Basin Bedrock Aquifers	SU	1:30 PM - 5:30 PM	207
T27. Characterization and Representation of Flow Through Karst Aquifers II	SU	1:30 PM - 5:30 PM	205
T33. Geologic Disposal of Radioactive Waste: Rising to the Challenge of Regulatory Requirements and Environmental Protection at the Waste Isolation Pilot Plant (WIPP) Near Carlsbad, New Mexico, and the Yucca Mountain Site, Southern Nevada II	SU	1:30 PM - 5:30 PM	203
Hydrogeology (Posters) I	SU	1:30 PM - 5:30 PM	Exhibit Hall
T7. The Occurrence, Storage, and Flow of Groundwater in Mountainous Terrain (Posters)	SU	1:30 PM - 5:30 PM	Exhibit Hall
Environmental Geoscience I	MO	8:00 AM - 12:00 PM	709/711
Geochemistry II: Organic Geochemistry	MO	8:00 AM - 12:00 PM	705/707
Hydrogeology I: Flow and Transport Simulations	MO	8:00 AM - 12:00 PM	207
T6. Hydrologic Impacts of Urbanization and Suburbanization on Water Resources	MO	8:00 AM - 12:00 PM	205

Session Title	Day	Time	Room
T10. Comprehensive Monitoring Approaches at Regional and Statewide Levels - Advantages and Limitations	MO	8:00 AM - 12:00 PM	203
T24. Organic Compounds in Near-Surface Environments as Drivers on the Redox-Reaction Highway: A Tribute to the Career of Mary Jo Baedecker	MO	8:00 AM - 12:00 PM	201
Environmental Geoscience II	MO	1:30 PM - 5:30 PM	703
T28. New Perspectives in Karst Geomicrobiology and Redox Geochemistry	MO	1:30 PM - 5:30 PM	205
T33. Geologic Disposal of Radioactive Waste: Rising to the Challenge of Regulatory Requirements and Environmental Protection at the Waste Isolation Pilot Plant (WIPP) Near Carlsbad, New Mexico, and the Yucca Mountain Site, Southern Nevada (Posters)	MO	1:30 PM - 5:30 PM	Exhibit Hall
Hydrogeology II: Process Investigations	TU	8:00 AM - 12:00 PM	207
T4. Over 40 Years of Influence in Environmental Hydrogeology: In Honor of Dick Parizek I	TU	8:00 AM - 12:00 PM	203
T13. Modeling Flow and Transport in Chemically and Physically Heterogeneous Media I	TU	8:00 AM - 12:00 PM	201
T19. Innovative Tracer Applications in Hydrogeology: New Techniques, Design and Interpretation Methods, and Case Studies I	TU	8:00 AM - 12:00 PM	205
T21. Vadose Zone Nitrogen: Sources, Fate, and Transport	TU	8:00 AM - 12:00 PM	607
T39. Current Perspectives in Environmental Biogeochemistry	TU	8:00 AM - 12:00 PM	107/109
Geochemistry Aqueous (Posters)	TU	8:00 AM - 12:00 PM	Exhibit Hall
T4. Over 40 Years of Influence in Environmental Hydrogeology: In Honor of Dick Parizek II	TU	1:30 PM - 5:30 PM	203
T9. Sustainable Management of Water Resources	TU	1:30 PM - 5:30 PM	102
T12. Fluid Flow and Solute Transport in Fractured Rocks	TU	1:30 PM - 5:30 PM	207
T13. Modeling Flow and Transport in Chemically and Physically Heterogeneous Media II	TU	1:30 PM - 5:30 PM	201

Session Title	Day	Time	Room
T19. Innovative Tracer Applications in Hydrogeology: New Techniques, Design and Interpretation Methods, and Case Studies II	TU	1:30 PM - 5:30 PM	205
T39. Current Perspectives in Environmental Biogeochemistry II	TU	1:30 PM - 5:30 PM	107/109
Geochemistry III: Geochemistry of Isotopes and Fluids	WE	8:00 AM - 12:00 PM	709/711
Hydrogeology III: Hydrogeochemistry	WE	8:00 AM - 12:00 PM	203
T8. Mountain Watershed Pollutant Transport and Water Quality Issues, Including Groundwater Surface-Water Interplay in Pollutant Transfer	WE	8:00 AM - 12:00 PM	207
T17. Aquitard Studies: Understanding Geologic Constraints on Flow and Transport in Groundwater Flow Systems	WE	8:00 AM - 12:00 PM	205
T20. Dissolved Gases as Indicators of Geochemical and Hydrogeologic Processes	WE	8:00 AM - 12:00 PM	201
Environmental Geoscience (Posters) I	WE	8:00 AM - 12:00 PM	Exhibit Hall
T39. Current Perspectives in Environmental Biogeochemistry (Posters)	WE	8:00 AM - 12:00 PM	Exhibit Hall
T2. Upcoming Revolutions in Observing Systems: Implications for Hydrogeology	WE	1:30 PM - 5:30 PM	203
T7. The Occurrence, Storage, and Flow of Groundwater in Mountainous Terrain	WE	1:30 PM - 5:30 PM	205
Environmental Geosciences (Posters) II	WE	1:30 PM - 5:30 PM	Exhibit Hall
Hydrogeology (Posters) II	WE	1:30 PM - 5:30 PM	Exhibit Hall
T9. Sustainable Management of Water Resources (Posters)	WE	1:30 PM - 5:30 PM	Exhibit Hall
T13. Modeling Flow and Transport in Chemically and Physically Heterogeneous Media (Posters)	WE	1:30 PM - 5:30 PM	Exhibit Hall
T20. Dissolved Gases as Indicators of Geochemical and Hydrogeologic Processes (Posters)	WE	1:30 PM - 5:30 PM	Exhibit Hall
T24. Organic Compounds in Near-Surface Environments as Drivers on the Redox-Reaction Highway: A Tribute to the Career of Mary Jo Baedeker (Posters)	WE	1:30 PM - 5:30 PM	Exhibit Hall
T32. Geological Mapping: Providing for Successful Water and Land Resource Planning (Posters)	WE	1:30 PM - 5:30 PM	Exhibit Hall

# Hydrogeology Division Sponsored Short Course

Short Course	Day	Time	Room
1. Estimating Rates of Groundwater Recharge	SA	8:00 AM - 5:00 PM	Convention Center
2. Hydrogeologic Field Methods	SA	8:00 AM - 5:00 PM	Convention Center

## Hydrogeology Related Field Trip

Field Trip	Day
19. Ancient Depositional Environments Control Modern Aquifer Quality: Stratigraphy of Groundwater Resources in the Denver Area	TH, Nov 11



Do you have an interesting idea for a short scientific article? Perhaps an opinion on a new policy or technique? Any exciting news in your professional life? Upcoming conference? An announcement of interest to the hydrogeological community? If so, why not publish it in *The Hydrogeologist*? Send your submission ideas to [feharvey1@unl.edu](mailto:feharvey1@unl.edu).

## Barbara Bekin's 2003-04 Birdsall-Dreiss Lectureship Schedule

<b>Date</b>	<b>University</b>	<b>Location</b>	<b>Lecture</b>
11/19/03	University of Colorado	Boulder, CO	FF
11/20/03	USGS, Denver	Denver, CO	NA
11/24/03	University of Wyoming	Laramie, WY	Both
12/12/03	National Ground Water Association Expo	Orlando, FL	NA
12/17/03	USGS, Reston	Reston, VA	NA
12/18/03	USGS, Richmond	Richmond, VA	NA
01/16/04	Indiana University	Indianapolis, IN	FF
01/29/04	New Mexico Institute of Technology	Socorro, NM	FF
01/30/04	University of New Mexico	Albuquerque, NM	NA
02/02/04	Los Alamos National Lab	Los Alamos, NM	NA
02/04/04	University of Arizona	Tuscan, AZ	NA
02/05/04	Northern Arizona University	Flagstaff, AZ	FF
02/18/04	Scripps Institution of Oceanography	La Jolla, CA	FF
02/19/04	Cal Poly Pomona	Pomona, CA	FF
03/05/04	Florida International University	Miami, FL	Both
03/16/04	University of Florida	Gainesville, FL	FF
03/18/04	Bowling Green State University	Bowling Green, OH	NA
03/19/04	Michigan State	Lansing, MI	NA
03/30/04	USGS, Tacoma	Tacoma, WA	NA
04/01/04	University of British Columbia	Vancouver, BC	Both
04/06/04	Washington State University	Pullman, WA	NA
04/07/04	Oregon State University	Corvallis, OR	Both
04/09/04	USGS, Vancouver	Vancouver, WA	FF
04/21/04	Texas A&M	College Station, TX	NA
04/22/04	University of Texas	Austin, TX	NA
04/23/04	University of Texas Institute of Geophysics	Austin, TX	FF
04/26/04	Iowa State University	Ames, IA	FF
04/27/04	USGS, Minnesota	Mounds View, MN	NA
04/28/04	College of St. Benedict / St. John's University	St. Cloud, MN	NA
04/29/04	Winona State University	Winona, MN	NA
04/30/04	University of Wisconsin	Madison, WI	Both
05/03/04	University of Wisconsin	Platteville, WI	NA
05/13/04	UC Davis	Davis, CA	Both
05/17/04	San Jose State University	San Jose, CA	FF
05/18/04	UC Santa Cruz	Santa Cruz	FF
05/20/04	USGS Menlo Park	Menlo Park, CA	NA
06/01/04	Peninsula Geologic Society	Palo Alto, CA	FF
06/16/04	Lawrence Livermore National Laboratory	Livermore, CA	NA
09/16/04	Ball State University	Muncie, IN	FF
09/20/04	Wright State	Dayton, OH	NA
09/21/04	University of Kentucky	Lexington, KY	Both
09/22/04	University of Tennessee	Knoxville, TN	NA
09/24/04	College of Charleston	Charleston, SC	FF
09/27/04	University of South Carolina	Columbia, SC	FF
09/29/04	Stanford University	Stanford, CA	FF
10/12/04	University of Toronto	Toronto, ONT	NA
10/13/04	University of Buffalo	Buffalo, NY	NA
10/14/04	Syracuse	Syracuse, NY	Both
10/15/04	SUNY, Binghamton	Binghamton, NY	FF
10/19/04	Johns Hopkins	Baltimore, MD	FF
10/18/04	Bryn Mahr	Philadelphia, PA	NA
10/20/04	University of Virginia	Charlottesville, VA	NA
10/22/04	Virginia Polytechnical	Blacksburg, VA	FF
11/04/04	University of Utah	Salt Lake City, UT	FF



Barbara Bekins

FF - Hydrogeology and the Weak Nature of Plate Boundary Faults  
 NA - The Influence of Hydrogeology on 25 Years of Natural Attenuation at a Crude Oil Spill Site

# Salt Lake City 2005 GSA Annual Meeting Plans Underway

Story by Joe Donovan

Preparations are now beginning to shape the technical program for next year's GSA Annual Meeting in Salt Lake City from October 16-19, 2005. Note the early time slot compared to this year's Denver meeting — bad news for all you skiers but at least we won't have another white out during the meeting as happened in Denver 2002!

The 2005 Meeting will be notable for the Hydrogeology Division in that it will be the 40<sup>th</sup> Anniversary of the Division's first Meinzer Award, to Dr. Josef Toth in 1965. The technical program will include a number of traditional elements. For example, we expect to continue the successful trend started in 2003 by

Allan Fryar and schedule presentation of both major lectures in the groundwater field (the NGWA Darcy and GSA Birdsall-Dreiss lectures). However, we also expect to see a number of innovative topical sessions in new multi-disciplinary areas. In observing Jim Hendry's program evolve in 2004, I am convinced that our Division programs contain a more diverse and wide-ranging suite of themes in comparison to any of our peer Divisions in GSA. And as always, the creativity of such sessions, as well as the quality of science in individual presentations, derives from active involvement on the part of Division members!

Starting at the Denver meeting, I will be actively soliciting ideas/convenors for Pardee Keynote symposia and for topical sessions. Don't be surprised if you are buttonholed by me in the lobby in Denver. If you have any preliminary ideas you'd like to discuss, give me a

call at 304-290-4350. My email is donovan@geo.wvu.edu.

The procedure for starting a topical session is easy! Steps go like this: (1) Come up with an idea and perhaps a co-convenor(s); (2) fill out and submit a topical

session description at [www.geosociety.org/meetings/](http://www.geosociety.org/meetings/) (look for the active link for this on the web starting in October); (3) and finally, **let me know what you have proposed** (donovan@geo.wvu.edu), so I can make sure potential conflicts are resolved early in the submission process. Proposals must be submitted electronically and are due by midnight EST January 11. And looking not too far ahead — abstract deadline is July 12



*The Salt Palace Convention Center, Salt Lake City, Utah. Home of the GSA Annual Meeting in October, 2005. (Photo courtesy Salt Palace Convention Center).*

2005 (in case you haven't yet gotten your GSA deadline stickers).

If you are thinking of proposing a half- or whole-day 2005 meeting short course, submission information appeared in the November issue of GSA Today. Proposals must be received by January 1; selection will be made by March 1, 2005. Short course proposals must be approved by the Division before they are submitted for review by GSA so let me know if you are submitting a proposal. For proposal guidelines or information, contact Edna Collis (Ecollis@geosociety.org; 1-800-472-1988, ext. 1034). The submission process for field trip proposals appeared in the August issue of GSA Today; deadline is December 1. Field trip co-chairs are Joel Pederson (bolo@cc.usu.edu) and Carol Dehler (huaria@cc.usu.edu) at Utah State University; contact either of these for details.



# Birdsall-Dreiss Lectureship Fund Raising Campaign Update

Story by Robert Ritzi

A fundraising campaign was launched in November 2002 in order to increase the annual travel budget for the Birdsall-Dreiss Distinguished Lectureship. One of the specific goals is to increase the principal invested in the two interest-bearing accounts which support the lectureship (the Birdsall and the Dreiss Funds within the GSA Foundation). Your tax-deductible contribution to these B-D Funds will help increase the interest income and therefore will help support the lectureship in-perpetuity. To date, 92 members have

participated and have contributed \$10,500! Our deep appreciation goes to those individuals who have responded (see accompanying inset below).

If your name is not listed in error, please let us know immediately. If you have not yet contributed, please join with us and share in the sense of pride for having helped to bolster one of the assets of the Division, our "professional home." In the past newsletters we

*Please see **BD Fund** on page 18.*

## Contributions to the B-D Campaign So Far This Year

Mary P. Anderson	Jeffrey S. Hanor	Peter E. Riemersma
Theodore Arnow	Nicholas B. Harris	Robert W. Ritzi
Mary J. Baedecker	F. Edwin Harvey	David B. Rogers
Jean M. Bahr	Janet S. Herman	Ira Daniel Sasowsky
E. Scott Bair	Beverly L. Herzog	Robert A. Schincariol
Barbara A. Bekins	George M. Hornberger	Madeline E. Schreiber
Nathan L. Bangs	Blythe L. Hoyle	Frank W. Schwartz
Kenneth Belitz	John W. Hess	Elizabeth J. Screatton
Philip C. Bennett	Paul Hsieh	Donald I. Siegel
Kevin M. Bohacs	Steven E. Ingebritsen	William W. Simpkins
Kenneth R. Bradbury	Miriam Kastner	Abraham E. Springer
John Van Brahana	Vicki J. Dretsinger	Robert J. Sterrett
Patrick A. Burkhart	Leonard F. Konikow	Mary Wilder Stoertz
Michael E. Campana	Barbara Sherwood Lollar	Michael R. Talbot
Anne E. Carey	Ulrich Mayer	Laura Toran
Anne Furbish Choquette	Michael G. McDonald	Michael B. Underwood
Kevin B. Clahan	Larry D. McKay	Stephen J. Urbanik
Richard L. Cooley	Judith A. McKenzie	H. Leonard Vacher
Claire B. Davidson	Fred John Molz	Peter J. Vrolijk
George H. Davis	Maureen A. Muldoon	Kelli J. Warren
J. Matthew Davis	Klaus Neumann	Stephen W. Wheatcraft
Ralph K. Davis	Shlomo P. Neuman	Carol M. Wicks
Carolyn S. DeVine	Christopher E. Neuzil	John L. Wilson
Joseph J. Donovan	Darrell Kirk Nordstrom	Paul A. Witherspoon
Timothy T. Eaton	Stavros S. Papadopoulos	William W. Woessner
Grover H. Emrich	Richard R. Parizek	Leonard Alton Wood
Steven P. Esling	Darryll T. Pederson	Warren W. Wood
Robert H. Fakundiny	Eric Peterson	Hongbin Zhan
Graham E. Fogg	Hans Olaf Pfannkuch	Chunmiao Zheng
Alan E. Fryar	Fred M. Phillips	Vitaly A. Zlotnik
Daniel J. Goode	John J. Quinn	

## 2004 Hydrogeology Division Student Reception Sure to Be A Night to Remember...So Don't Miss Out!



The Hydrogeology Division Student Reception will take place at the Annual Meeting in Denver on Tuesday, November 9 from 5:45-7:30 pm in CCC Concourse A. The event is organized each year in order to recognize those students who are considering a career path in hydrogeology or related field, to connect them with our professional members, and to make them feel welcome in considering our Division as their professional home. The event is free and open, always well attended, and always a great time. It's really about more than just great door prizes, but, again this year, thanks to a host of generous donors, there are a great number of free books, software, and miscellaneous prizes to be given away, including top of the line modeling packages.

Please mark it down on your schedule for the meeting.



## William Woessner Named 2005 Birdsall-Dreiss Lecturer



*Dr. Bill Woessner*

Bill Woessner of the University of Montana has been selected as the 2005 Birdsall-Dreiss Distinguished Lecturer, sponsored by the GSA Hydrogeology Division and funded by the GSA Foundation with additional 2005 support from the University of Montana. Woessner will present lectures on either of two topics: "Examining the Exchange of Groundwater with the Stream/Floodplain System: Physical, Thermal and Geochemical Approaches with Ties to Stream Renaturalization", or "Occurrence, Transport and Fate of Viruses and Pharmaceuticals in Groundwater Impacted by Septic System Effluent: The Hydrogeologists and Human Health". Abstracts of these talks were published in the August, 2004, issue of *GSA Today*. To request a visit in Winter or Fall semester of 2005, contact Bill Woessner at the Department of Geology, The University of Montana, Missoula, MT. 59812 406-243-5698, [william.woessner@umontana.edu](mailto:william.woessner@umontana.edu). As there are often more requests than time and resources will allow, please make your invitations as soon as possible. The division supports transportation expenses and the host institution provides for local accommodations during the visit.



by Vicki Kretsinger, AGWSE Chair



*Vicki Kretsinger*

## Two GSA Sessions Co-Sponsored by NGWA/AGWSE:

As an Associated Society of GSA, the National Ground Water Association/ Association of Ground Water Scientists and Engineers (NGWA/AGWSE) is pleased to co-sponsor two sessions at the GSA 2004 Annual

Meeting & Exposition. The sessions include: “The Future of Hydrogeology” (Session T1), convened by Cliff Voss, research hydrologist of the U.S. Geological Survey (USGS), and “Comprehensive Monitoring Approaches at Regional and Statewide Levels—Advantages and Limitations” (Session T10), convened by David Wunsch, AGWSE Board member and state geologist of the New Hampshire Geological Survey, and Chuck Taylor, a hydrologist with the USGS. The continued session co-sponsorship is a furtherance of collaborative activities initiated to foster professional and scientific cooperative efforts between AGWSE and GSA’s Hydrogeology Division.

## GSA Hydrogeology Division Co-Sponsors AGWSE Summit Sessions

A new AGWSE technical conference, the Ground Water Summit, will be launched in Spring 2005. The 2005 Summit, which takes place April 17-20 at the Hyatt Regency on the Riverwalk in San Antonio, Texas, will engage local, national, and international science partners in this new venue that facilitates the exchange and dissemination of technical information and new science developments, allows a means for discussing policy and regulatory issues pertaining to ground water, and promotes goodwill among ground water professionals worldwide. Highlights of the **2005 Summit** include:

professional development courses, Summit Forum and debate, platform and poster presentations, NGWA Darcy and GSA Birdsall-Dreiss Lecturers, AGWSE Awards, field trips, student mentoring program, student project presentations, and student awards for platform and poster presentations.

The **Summit** includes 23 sessions with subject matter that ranges from more environmentally and emerging contaminant-focused topics to water resources systems analysis, management, and policy issues. Session co-sponsors include GSA’s Hydrogeology Division, the Groundwater Resources Association of California (GRA), the Sustainability of Semi-Arid Hydrology & Riparian Areas (SAHRA), and the U.S. National Chapter of the International Association of Hydrogeologists (IAH). Similar to AGWSE’s participation as a co-sponsor of two sessions at this year’s GSA Annual Meeting, two sessions are being co-sponsored by GSA’s Hydrogeology Division at the **Summit**, including the session on “Ground Water Fingerprinting” (convener Jim Hendry) and the session on “Ground Water Education – Field vs. Classroom” (conveners Richard Laton, Alan Dutton, and Vicki Remenda). Additionally, field trip sponsors include the Edwards Aquifer Authority and the San Antonio Water System.

## Call for Abstracts

Abstract instructions are posted on the NGWA web site on the Ground Water Summit Page at (<http://www.ngwa.org/e/conf/0504175095.shtml>). Abstracts will be received until midnight (EDT) November 22, 2004.

## GSA and NGWA Distinguished Lecture Exchange

In 2003, the Distinguished Lecturer Exchange began when NGWA and GSA invited the other organization’s lecturer to provide a presentation at an annual event. Both lectureships bring eminent scientists to higher education and research institutes on a mission to educate others on the latest research; promote ground

water science, hydrogeology, and scientific exchange; and act as ambassadors of goodwill. The exchange was successfully launched, and it continues at the upcoming GSA Annual meeting. And, plans are already underway for both lecturers to appear at the 2005 Ground Water Summit.

On Tuesday November 9 at this year's GSA Annual Meeting in Denver, Dr. Allen Shapiro, NGWA's 2004 Darcy Lecturer, will be providing his lecture on Recent Advances in Characterizing Ground Water Flow and Chemical Transport in Fractured Rock: From Cores to Kilometers. Allen is a research hydrologist with the USGS in Reston, Virginia. He has authored papers on equipment design and field techniques, the interpretation of hydraulic and geochemical data, and theories of ground water flow and chemical transport. His research has application to issues of societal importance, including water supply, ground water contamination and restoration, waste isolation, and ground water flow in the vicinity of engineered structures.

The 2005 Darcy lecturer is Dr. Kip Solomon (see accompanying story on this page), professor in the Department of Geology and Geophysics at the University of Utah and the Director of the Noble Gas Laboratory. Kip's lecture, *Inert Gas Tracers in Ground Water*, illustrates the basic concepts of using inert gas tracers along with case studies that describe their applications to real ground water flow problems.

As announced in the July 2004 issue of *The Hydrogeologist*, Dr. William Woessner, AGWSE Board member, received the 2005 GSA Birdsall-Dreiss lectureship. Bill will be offering one of his two lectureships at the Summit; his lectures include:

- *Examining the Exchange of Ground Water with the Stream/Floodplain System: Physical, Thermal and Geochemical Approaches with Ties to Stream Renaturalization*
- *Occurrence, Transport and Fate of Viruses and Pharmaceuticals in Ground Water Impacted by Septic System Effluent: The Hydrogeologists and Human Health*

The AGWSE Board extends many thanks to GSA for embracing the Distinguished Lecture Exchange and now also the **Summit** concept and facilitating a true geoscience collaboration! We look forward to more opportunities to demonstrate the value of allied efforts.



## Dr. Kip Solomon Selected As 2004-2005 Darcy Lecturer



*Kip Solomon*

**D**r. Kip Solomon will be the 2005 Darcy lecturer. The National Ground Water Association (NGWA) established the Darcy Lecture Series in 1986 to foster interest and excellence in ground water science and technology. Dr. Solomon's education includes a Ph.D. in earth sciences from the University of Waterloo, an M.S. in geology from the

University of Utah, and a B.S. in geological engineering from the University of Utah. From 1993 to the present he has been employed by the Department of Geology and Geophysics at the University of Utah where he is currently a professor and Director of the Noble Gas Laboratory.

Solomon has been appointed to the National Research Council's Committee on Improving Practices for Regulating and Managing Low-Activity Radioactive Waste, 2003 to present. He is currently the Second Vice-Chair elect of the Hydrology Division of the Geological Society of America (GSA). He was on the editorial board for *Ground Water* from 1997 to 2001, and was the Joint Technical Program Chair for the GSA's annual meeting in 1997.

Solomon's research interests have focused on the use of environmental tracers to evaluate groundwater flow and solute transport processes in local- to regional-scale aquifers. In particular he has helped develop the use of dissolved gases including helium-3 and CFCs to evaluate groundwater travel times, location and rates of recharge, and the sustainability of groundwater resources.

Dr. Solomon's lecture subject is "Inert Gas Tracers in Ground Water." The presentation will illustrate the basic concepts of using inert gas tracers along with case studies that describe their applications to real ground water flow problems. The case studies will focus on ground water dating, noble gas thermometry or injected gas tracers, depending on the interests of the hosting institution. For more information visit <http://www.ngwa.org/ngwef/darcy.html>.



## BD Fund from page 14

suggested pledges of \$25/year over the next four years. If another 5% of our division participates at this level we will reach our goal of raising \$16,000 from the membership. Pledges in any amount are appreciated and can be made through the GSA Foundation at:

<https://rock.geosociety.org/donate/donate.asp>, or by calling Joan Bell, GSA Foundation, (303) 357-1067.

When making a contribution, please clarify that you are contributing to the Birdsall-Dreiss Lectureship Funds. In reality there are two separate accounts (the Birdsall Fund and the Dreiss Fund), but in practice they are treated as one. They are listed separately on the Foundation's web page pull-down menu, but not in alphabetical order so you may have to hunt a bit for them. You may make your full pledge to one or the other of these funds, or split it between them. Any of these approaches will have the identical, positive effect in supporting the lectureship. Thank you for your support!



## GSA 2004 from page 1

sessions will honor the scientific accomplishments of Mary Jo Baedeker and Dick Parizek. Other sessions will provide visions of



*Denver International Airport - Your destination for GSA's 2004 Annual Meeting. (Photo courtesy of the Denver Metro Convention & Visitors Bureau.)*

future science and practice in hydrogeology, and the implications of upcoming revolutions in observing systems hydrogeology. Attendees will also be offered two short courses and two distinguished lectures. The titles of the short courses are "Estimating Rates of Groundwater Recharge" (offered by **Rick Healy**) and "Hydrogeologic Field Methods" (by **John Moore**).

Both will be offered on Saturday November 6. The Birdsall-Dreiss Distinguished Lecture entitled "Hydrogeology and the Weak Nature of Plate Boundary Faults" will be presented by **Barbara Bekins** on the afternoon of Monday November 8, after the Hydrogeology Division luncheon. The National Ground Water Association's Henry Darcy Distinguished Lecture will be presented by **Allen Shapiro**. Shapiro's lecture is titled "Recent Advances in Characterizing Ground Water Flow and Chemical Transport in Fractured Rock: From Cores to Kilometers." Detailed descriptions of all sessions (times, locations, and presentations) can be viewed at {[www.geosociety.org/meetings/2004/](http://www.geosociety.org/meetings/2004/)}.

You can register for the meeting by following the link from the GSA home page. Remember to register for the Hydrogeology Division Luncheon, Award Ceremony and Board Meeting (Monday 12:00-3:00 PM), Hyatt, Moulin Rouge and to attend the Hydrogeology Division Student Reception (Tuesday 5:45 to 7:30 PM), CCC Concourse A.



### Conference Announcement:



#### **Straddling the Divide: Water Supply Planning in the Lake Michigan Region** February 15-16, 2005, at the Holiday Inn - Merchandise Mart, Chicago, Illinois

There is the potential for water supply shortages as the areas surrounding Lake Michigan continue to grow. Now, more than ever, local governments in this region need to integrate water supply considerations into local and regional planning processes. Straddling the Divide will strive to enhance the understanding of policy makers and the technical community through invited talks in two tracks. The **Policy Track** will be geared toward municipalities, counties and regional planning agencies. Emphasis will be on water supply planning and decision making for communities not receiving Lake Michigan water or using both Lake Michigan and other water sources. The **Technical Track** will be geared toward scientific and engineering professionals. Emphasis will be on how science and engineering can support regional-scale management of water resources. The conference is being jointly organized by the Northeastern Illinois Planning Commission and the Illinois State Water Survey, with financial support from the Joyce Foundation. For more information, please visit: <http://www.nipc.org/environment/slmrWSC/conferences.htm> or contact Dr. Douglas D. Walker, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL, 61820, (217) 333-1724, Fax (217) 244-0777, [ddwalker@uiuc.edu](mailto:ddwalker@uiuc.edu).



# BULLETIN BOARD

This year's National Ground Water Association's (NGWA) **Ground Water Expo** will take place in Las Vegas, Nevada on December 12-15. For more information about the Expo, visit the NGWA webpage at [\[www.ngwa.org\]](http://www.ngwa.org)

The American Geophysical Union (**AGU**) 2004 Fall Meeting will be held December 13-17, in San Francisco, CA. For information on sessions see the AGU web site at: [\[http://www.agu.org\]](http://www.agu.org).

**Straddling the Divide: Water Supply Planning in the Lake Michigan Region**, a conference to enhance the understanding of policy makers and the technical community, will be held on February 15-16, 2005, in Chicago, IL. For more information please visit: [\[http://www.nipco.org/environment/slmrWSC/\]](http://www.nipco.org/environment/slmrWSC/).

## From The Editor...

This installment of the newsletter marks the end of my third year as editor and reminds me to again thank the Hydrogeology Division Board and the Division membership for allowing me this opportunity to serve my Society, my Division, and my hydrogeology colleagues in this manner. I truly love this job! and I have greatly enjoyed getting to know everyone who contributed an article, note, announcement, photo, graphic, reports, schedule, etc. Our newsletter would not be possible without you, and I want to thank you all for making my job an easy one.

This issue contains the Hydrogeology Division Chair's column, updates on the Denver GSA meeting sessions and schedule, the Birdsall-Dreiss Tour, a report on the John Mann Mentoring program, articles about the Meinzer and Distinguished Service Award, an article on the continued collaboration between NGWA and GSA, and meeting and conference announcements. I hope you find this issue informative and interesting reading. Please send me any suggestions you have as to how I can improve our newsletter, and as always I welcome any hydrogeologic articles, announcements, or updates that you wish to submit.

See you all in Denver!

F. Edwin (Ed) Harvey, Editor  
[The Hydrogeologist](#)



# Hydrogeology Division Contacts

## 2004 Management Board

**Chair:** Chris Neuzil (ceneuzil@usgs.gov)  
**First Vice-Chair:** Janet Herman (jherman@virginia.edu )  
**Second Vice-Chair:** Kip Solomon (ksolomon@mines.utah.edu)  
**Secretary-Treasurer:** Ralph K. Davis (ralphd@mail.uark.edu)  
**Past Chair:** Robert W. Ritzi (rritzi@wright.edu)

## Standing Committees

**Technical Program Committee:**  
Jim Hendry (Chair)

**Nominating Committee:**  
Bridget Scanlon, Bill Simpkins, Steven Wheatcraft (Chair)

**Meinzer Award Committee:**  
Steve Ingebritsen, Garth van der Kamp, Fred Phillips (Chair),  
Scott Tyler, Tom Winter

**Birdsall-Dreiss Lecturer Committee:**  
Jean Bahr, Barbara Bekins, Graham Fogg (Chair)

**Distinguished Service Award Committee:**  
Ken Bradbury (Chair), John Cherry, Jack Sharp

## Ad Hoc Committees

**Historical Committee:**  
Steve Wheatcraft (Chair)

## **Section Representatives**

Cordilleran - Jim Thomas  
Northeastern - Grover Emrich  
North-Central - Maureen Muldoon  
South-Central - Todd Halihan  
Rocky Mountain - Robert Sterrett  
Southeastern - Joe Donovan & Brian Katz

## **Representatives to other Societies**

American Geophysical Union - Dave Diodato  
American Geological Institute - Dave Stephenson  
National Ground Water Association - Dave Rudolph  
International Assoc. of Hydrogeologists - Colin Booth  
Water Science Policy Liaison - Dave Diodato  
Society for Sedimentary Geology - Gary Weissmann

**Newsletter Editor:** F. Edwin Harvey (feharvey1@unl.edu)

**Web Administrators:** F. Edwin Harvey, Duane Mohlman

**GSA Council:** Don Siegel (disiegel@syr.edu)

**Hydrogeology Division Website:** <<http://gsahydrodiv.unl.edu/>>