



# The Hydrogeologist

Newsletter of the  
GSA Hydrogeology Division

October 1998  
Issue No. 49

## Message from the Chair

Greetings:

It is not too early to start thinking about the 1999 Annual GSA meeting in Denver. Field trips need to be proposed, special topics for sessions identified, and if you are proposing a topical session key speakers need to be identified early. Groundwater plays such an important role in so many geological processes that it seems only natural that hydrogeologic considerations will play a key part in topical sessions. Members of the Division should start thinking now about developing these sessions with other discipline areas of GSA.

Ira Sasowsky deserves special recognition for his effort in converting *The Hydrogeologist* to an electronic format. This action is a giant step for the Hydrogeology Division and will offer us many opportunities in the future. It was not easy to put together for the first time all of the components needed to go from raw written material to a product that can be accessed and downloaded to the individual computers of Division members. All of this was done while doing the traditional work needed to generate *The Hydrogeologist*.

Ralph Davis also deserves recognition for his work in putting together the technical program for the Toronto meeting, an effort that consumes your summer while requiring you to be a mind reader. This is the second year that the program has been developed via the Internet. Fewer technical snags were encountered, but there is still need for better feedback to program chairmen. I urge all who prepare proposals for special sessions at GSA to copy all GSA correspondence to the Division Program Chairman so he will know what has been submitted at all times. It is only in this way that a complete offering can be developed. Perhaps the overall GSA system will eventually work this way, but for now, let the program chair know about everything.

There seems to be no lack of dedicated people in the Hydrogeology Division. David Long continues to update and refine the Division Website. Jeffrey Hanor has just completed his Birdsall-Dreiss tour and Stuart Rojstaczer is waiting in the wings for his year as lecturer. Steve Wheatcraft is working at renewing the Mug series. It would

be difficult to list all of the committee members who have contributed their time in the selection of awardees, preparation of nominations, and special reports on specific projects. I would like to thank all of them for making my work much easier. I would also urge those, who wish to serve, to contact Mary Jo Baedecker at the Toronto meeting or otherwise as she replaces outgoing members of the committees.

We need to continue to push to get hydrogeologists in key positions in GSA. There are now two hydrogeologists on the GSA Committee on Research Grants. They are Brian G. Katz and Jim E. O'Connor, both with the U.S. Geological Survey, Tallahassee, FL and Portland, OR. Two excellent people were nominated for GSA Council this year but regrettably their names did not show up on the ballot. I do want to thank the individuals for allowing me to put their names in nomination. There will be more openings coming up and I urge members of the Division to consider seeking these positions.

Due to unforeseen circumstances, this year has presented some major challenges. I would like to recognize the efforts of the GSA Headquarters staff in surmounting these difficulties. In particular I would like to recognize Pat Chenworth for the research, ideas and actions she has carried out on behalf of the Hydrogeology Division. It would have been a long summer without her and the other GSA Staff.

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Darryll Pederson  
Chair  
Hydrogeology Division

We now have a much more streamlined process to use in the preparation of plaques, brochures, certificates and bowls for award recognition.

We had a good year in that 5 members of the Hydrogeology Division were elected Fellows in GSA. I would like to see more, and we will if we adopt the take-a-Member-to-Fellow attitude. The process is straight forward and we have many members of the Division that should be Fellows in GSA.

I would like to thank the Hydrogeology Division members for the opportunity to serve as your chairman. The year has been one of transition and I hope my contributions have made it easier.

## 1998 GSA Annual Meeting

Come Enjoy Toronto - October 26-29

Ralph Davis, Division Program Chair

The Hydrogeology Division is sponsoring a very diverse schedule at the Toronto meeting including 2 symposia, 7 theme sessions, several general hydrogeology sessions, field trips and short courses. The full schedule is listed in the June issue of GSA Today, or you can check out the listings on the GSA WEB site at <http://www.geosociety.org>. (Editors note: See also pages 4 & 5, this issue).

The first symposium, on Monday afternoon is co-sponsored by the Hydrogeology Division and SEPM and will consider Multimodal Heterogeneity in Clastic Aquifers: Quantifying Permeability and Lithofacies Distributions. The second, on Tuesday afternoon, will link two continents via satellite and the world wide web, and is called: Understanding

Groundwater in Arid and Semi Arid Environments of North America and Australia. Presentations will be by simultaneous video with questions/answers via a WEB link. It should be interesting to see how this one functions.

Dr. Jeffrey Hanor will present the Birdsall-Dreiss Distinguished Lecture: Origin and Migration of Saline Fluids in Sedimentary Basins on Tuesday from 4:00 - 5:00. This follows the Hydrogeology Division's Awards Ceremony and Luncheon, which are scheduled from 12:00 - 3:30. A student reception will be held from 5:30 - 6:30 after Dr. Hanor's presentation.

Theme sessions spread across the week include Groundwater Sustainability, Capture Zones in Fractured Rock and Hydrogeologic Controls on Ecosystems on Monday; Solute Transport in Aquitards on Tuesday; Teaching Hydrogeology to Undergraduates on Wednesday; and Radionuclide Transport Experiments and Groundwater Flow and Solute Transport into the Great Lakes on Thursday. A very diverse number of excellent presentations will occur in three general Hydrogeology sessions. Monday's session will include talks on water quality, isotopes and remediation of contaminated sites. On Wednesday morning, the session will consider hydraulics, fracture flow and flow in karst aquifers. Thursday's general session will include talks on karst, nitrates, tracers and flow in aquitards.

Wednesday afternoon will provide the opportunity to view a large number of quality posters. A special event will also be held Wednesday afternoon from 3:00 - 5:00, when L. Douglas James, Program Director, National Science Foundation will host an informal session on Funding Opportunities in the Hydrologic Sciences. This is an excellent chance for scientists to interact directly with people from a top funding agency. Don't be shy, come participate and ask Dr. James the tough questions about funding and research opportunities.

Several field trips will occur. The first on Saturday, October 24 will explore the Hydrogeology of the Niagara Falls Area. A second, will occur on Friday, October 30 with a trip to the Experimental Field Station at Canada Forces Base Borden. One other field trip on Friday the 30th will look at the Quaternary Geology and Hydrogeology of the Oak Ridges Moraine and the Greater Toronto Area.

Finally, the Division is sponsoring two short courses on Sunday, October 25. Applications of Environmental Isotopes in Groundwater Studies will be presented by Ramon Aravena and Ian D. Clark. Teaching Practical Hydrogeology: How to Make Due with Scant "Real World" Data will be presented by Donald I. Siegel.

The program offers many opportunities. Take the time to come to Toronto and enjoy the science.



## 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, publication will move from paper-based to electronic media. The electronic version may be accessed at: <http://www.uakron.edu/geology/gsa/hydro/>. 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 via ASCII (text) is most expedient.

Ira D. Sasowsky, Editor  
The Hydrogeologist  
University of Akron  
Akron, OH 44325-4101

**Deadline, Spring Issue:  
March 1, 1999**

voice (330) 972-5389  
fax (330) 972-7611  
email [ids@uakron.edu](mailto:ids@uakron.edu)

## Student Reception in Toronto

Warren Wood reports that he has received some excellent donations that will be raffled at the Annual Student Reception for the Hydrogeology Division. As well as hydrogeology texts, he has materials from USGS, *Journal of Hydrology*, and a year's subscription to *Ground Water*. This should be the best raffle yet, and an excellent turnout for this popular event is expected.

## Multimodal Heterogeneity Symposium

At the annual GSA meeting, on Monday October 26, the Symposium on Multimodal Heterogeneity in Clastic Aquifers will present talks from among those leading in research toward quantifying permeability and lithofacies distributions in granular aquifers, and developing more realistic assessments of the effect of geologic heterogeneity on mass transport. Co-sponsored by SEPM, it will include talks by both hydrogeologists and sedimentologists. Among the issues addressed are the following: (1) quantifying multimodal permeability and lithofacies distributions in clastic aquifers from a variety of depositional environments, (2) methodologies for representing, interpolating, or extrapolating multimodal permeability and lithofacies distributions (quantitative emphasis on structure-imitating and process-simulation methodologies), and (3) the level of representation needed for transport modeling and the adequateness of existing numerical approaches. Visit the GSA online scheduler for authors and talk titles. *Submitted by Bob Ritzi.*

## GSA Section Hydrogeology News

### North-Central

Bill Simpkins, Section Representative

The Illinois State Geological Survey (ISGS) and the Department of Geology at the University of Illinois Champaign/Urbana (UIUC) will host the 33rd Annual Meeting of the North-Central Section on April 22-23, 1999. Two major hydrogeology symposia are planned. A symposium entitled "Karst Hydrology and Associated Water Quality in the Midcontinent," will be chaired by Samuel Panno (panno@isgs.uiuc.edu) and C. Pius Wiebel of the ISGS. An accompanying postmeeting field trip, entitled "Geology, Hydrology, and Water Quality of the Karst Regions of Southwestern Illinois and Southeastern Missouri" will be led by Panno and Wiebel and Carol Wicks of the University of Missouri-Columbia. The second symposium, entitled "Studies in Hydrogeology," will consist of three separate 1/2-day oral sessions and a poster session. The oral sessions are "Characterizing Agricultural Impacts on Shallow Groundwater Quality" chaired by Edward Mehnert (mehnert@isgs.uiuc.edu) and William Dey of the ISGS; "Modeling Geologic Environments for Hydrogeologic Applications," chaired by Donald Keefer (dkeefe@isgs.uiuc.edu) and David Larson of the ISGS; and "Chemical and Isotopic Studies of Groundwater", chaired by Keith Hackley of the ISGS (hackley@isgs.uiuc.edu) and

Thomas Johnson of the Department of Geology UIUC. A poster session, entitled "Innovative Field Techniques and Equipment" will be chaired by Edward Mehnert of ISGS. This promises to be an excellent meeting for hydrogeology and Division members are encouraged to mark these meeting dates on their calendar and submit abstracts by January 11, 1999.

## Other Societies News

### SEPM - The Society for Sedimentary Geology

Matt Davis, Chair, SEPM Hydrogeology and Environmental Geology Committee.

SEPM is actively seeking new ties with the hydrogeology community to improve our collective understanding of common issues such as aquifer architecture and diagenesis (water-rock interactions) in both clastic and carbonate environments. The Journal of Sedimentary Research is interested in receiving more hydrogeology and aqueous geochemistry papers that have a direct link to the sedimentary record. Please keep this in mind and consider submitting your papers to JSR. The first volume of the new SEPM publication series: Concepts in Hydrogeology and Environmental Geology was released this past spring: Hydrogeologic Models of Sedimentary Aquifers, Gordon S. Fraser and J. Matthew Davis eds., 1998, 180 p. hardbound, ISBN 1-56776-052-2. See <http://www.sepm.org> for more information.

SEPM is co-sponsoring the Symposium on Multimodal Heterogeneity in Clastic Aquifers at the GSA Annual meeting in Toronto -- see related story this issue. Preliminary planning is underway for a SEPM-IAS joint Research Conference on Aquifer Sedimentology for Fall 2000. The conference will focus on some of the common issues facing hydrogeologists and sedimentary geologists such as aquifer architecture and reactive transport/diagenesis. For more information, contact Matt Davis (matt.davis@unh.edu).

### **1999 GSA Meeting in Denver**

Bill Simpkins 1999 Hydrogeology Program Chair  
(bsimp@iastate.edu; 515-294-7814.)

GSA returns to Denver in 1999 under the theme of "Crossing Divides" - a reflection of the location near the continental drainage divide and the approaching millennium. It reminds me of that spatial and temporal rift that keeps occurring in my office. Anyway, members should be aware that we are crossing another major divide at this meeting with the implementation of some new programming initiatives. The new format will include Keynote, Topical, General, and Hot Topic sessions, all of which are designed to encourage multi-disciplinary approaches to geological problems.

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# TORONTO MEETING

## Events of Special Interest to Hydrogeologists\*

Compiled by Ralph Davis, Division Technical Program Committee Chair

Title	Time	Room
<b>Saturday, October 24, 1998</b>		
GSA Short Course #03 - Phase I Environmental Site Assessments	8:00-5:00	705
Field Trip #7 - Hydrogeology of the Niagara Falls Area	All Day	
<b>Sunday, October 25, 1998</b>		
S15 IEE Annual Environmental Forum: Sustainability Challenge	1:30-5:30	714AB
S08 Research Issues in Petroleum and Environmental Geochemistry	8:00-5:30	801AB
GSA Short Course-Application of Environmental Isotopes to Groundwater	8:00-5:00	709
GSA Short Course-Teaching Practical Hydrogeology With Scant Data	8:00-5:00	803A
<b>Monday, October 26, 1998</b>		
GSA Hydrogeology Division Management Board Meeting	7:00-9:00	Sheraton- Ice Palace
Hydrogeology I: Water Quality, Isotopes, Remediation	8:00-12:00	703
T45 Capture Zones in Fractured Rock	8:00-10:00	714AB
T44 Groundwater Sustainability	10:00-12:00	714AB
T02 Natural Sources of Mercury and Arsenic: Regional Cycles and Environ. Assessment	8:00-12:00	716B
Hot Topics Debate: Intrinsic Remediation and Hydrogeology: Beauty and Beast	12:15-1:15	715AB
S28 Multimodal Heterogeneity in Clastic Aquifers: Permeability and Lithofacies	1:30-5:30	714AB
T49 Hydrogeologic Controls on Ecosystems	1:30-5:30	715AB
Geochemistry, Aqueous (Posters)	1:30-5:30	Hall E
Environmental and Engineering Geology	1:30-5:30	703
S09 Geochemical Indicators of Atmospheric Inputs into Terrestrial and Marine Environments	1:30-5:30	701A
<b>Tuesday, October 27, 1998</b>		
T46 Solute Transport in Aquitards: Field Studies	8:00-12:00	714AB
T06 Geomicrobiology I	8:00-12:00	801AB
"Geochemistry, Aqueous I"	8:00-12:00	803AB
T35 Holocene Climate Change on the Great Plains	8:00-12:00	711
GSA Hydrogeology Division Awards Reception	12:00-12:30	Sheraton Grand East
GSA Hydrogeology Division Luncheon, Awards and Business Meeting	12:30-3:30	Sheraton Grand East
Jeffrey Hanor, Birdsall-Dreiss Distinguished Lecture	4:00-5:00	Sheraton Grand East
GSA Hydrogeology Division Student Reception	5:30-6:30	Sheraton Grand East
T35 Holocene Climate Change on the Great Plains	1:30-5:30	703
T06 Geomicrobiology II	1:30-5:30	802AB
T15 Education About the Environment: What Works (Posters)	1:30-5:30	Hall E
Geochemistry, Aqueous II	1:30-5:30	714AB
S11 Student Research Symposium (Posters) - SGE	1:30-5:30	Hall E
Environmental and Engineering Geology (Posters)	1:30-5:30	Hall E

# SPECIAL SECTION

Title	Time	Room
S27 Groundwater in Arid and Semi-Arid Environments North America-Australia	3:30-5:30	716B
<b>Wednesday, October 28, 1998</b>		
GSA Hydrogeology Division Management Board	7:00-9:00	Sheraton Gold Rush
Hydrogeology II: Hydraulics, Fracture Flow, Karst	8:00-12:00	716B
T07 Sources, Transport, Fate and Toxicology of Trace Elements in Environment	8:00-12:00	701B
S25 Response to Holocene Climate Change on the Great Plains	8:00-12:00	802AB
T30 Environments and Timing of Last Interglacial: Vegetation, Paleohydrology	8:00-12:00	707
Hydrogeology (Posters)	1:30-5:30	Hall E
T12 Teaching Hydrogeology to Undergraduate and Graduate Students	1:30-5:30	716A
T06 Geomicrobiology III	1:30-5:30	707
GSA Committee on Geology, Public Policy: Geosciences Ethics in Environment	1:30-3:30	710
NSF, L. Douglas James, Funding Opportunities in the Hydrologic Sciences	3:00-5:00	716B
<b>Thursday, October 29, 1998</b>		
Hydrogeology III: Karst, Nitrates, Tracers, Aquitards	8:00-12:00	715AB
T48 Radionuclide Transport Experiments at Underground Research Laboratories	8:00-12:00	802AB
T47 Groundwater Flow and Solute Transport into the Great Lakes	1:30-5:30	701B
Geochemistry, Aqueous: Paleo and Processes	1:30-5:30	715AB
<b>Friday, October 30, 1998</b>		
Field Trip-Groundwater Experimental Field Station at Canada Forces Base Borden	All Day	
Field Trip-Regional Geology and Hydrogeology of the Oak Ridges Moraine	All Day	

\*Some Titles Have Been Modified To Fit Page.  
Times and Locations of Events Taken From GSA GEOTIMER 9/18/1998

To create your own personalized schedule for the Toronto meeting  
visit the GeoTimer at the GSA website.

<http://www.geosociety.org>

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## Reading this issue of the Hydrogeologist in paper version?

Receiving electronic notification of *The Hydrogeologist* will assure that you get the latest news about your science as quickly as possible. It works simply. Just provide your email address to GSA Headquarters (call 1-800-GSA-1988; or email [nwilliam@geosociety.org](mailto:nwilliam@geosociety.org)). Then each time *The Hydrogeologist* is issued, you will receive an email notice from the Division. From there, just go to the Hydrogeology Division homepage to access the latest issue. Previous issues are also available for download. The free Software Adobe Acrobat Reader is used for viewing and printing the newsletter.

**Join us in our transition to electronic communication.**

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Personally speaking, the Hydrogeology Division has been multi-disciplinary for some time, but GSA feels that some of the other Divisions need to catch up in this regard. The first new category is the Pardee Keynote Symposia, which are to be "...special events" that are "...of broad interest to the geoscience community" and that are on the leading edge of science and/or public policy. These will consist of 4 to 8, half-day, nonconcurrent sessions, and it is an extremely competitive selection process. All speakers will be invited and GSA Council has approved funding of up to \$2000 per symposia to help bring in some big names. Scott Bair, Steve Wheatcraft, and I have already been working on a potential Pardee Symposium for the Hydrogeology Division. We are attempting to assemble speakers related to A Civil Action - the infamous "hydrogeology text" by Jonathan Harr. The theme of the Symposia would be something like "The Hydrogeologist's Role in the Legal System", and would consist of a mix of hydrogeologists, attorneys, and others who have worked on the Woburn, Massachusetts contamination case and related issues. The submission deadline for Pardee Symposia is January 6, 1999. A 7-member panel of JTFC representatives will review all the proposals.

The new Topical Sessions will provide a mix of invited and volunteered papers; they are really a combination of the old Theme Sessions and Symposia. You may invite up to four speakers, or more with special permission. The rest of the session will consist of volunteered abstracts. These will be half-day sessions at a maximum. Proposals for such sessions are also due on January 6, 1999, and must include a brief, 50-word description of the session, rationale and number of invited speakers, and a program format. For the first time, organizers are encouraged to have a "...well regarded effective speaker" give an overview at the beginning of the session. You may electronically submit both Pardee Symposia and Topical Sessions beginning November 1, 1999. The Hydrogeology Division asks that you please inform the Program Chair (me) of any Topical Session that you are thinking about submitting, so that ideas and proposals will not be lost in the paperwork shuffle. General Sessions in Hydrogeology consisting of volunteered papers in oral or poster format will also be available. These will still represent the majority of papers at the meeting. Poster sessions will be expanded in 1999 to allow the presentation of more papers and they will be scheduled to avoid conflict with oral sessions in the same discipline. Finally, the very successful Hot Topics forums during lunchtime will be continued. Contact the Technical Program Co-Chairs, Craig Jones (cjones@mantle.colorado.edu) or Lang Farmer (farmer@terra.colorado.edu), if you are interested in

doing one of these forums. Please keep in mind that the forums are set up to be "...discussion with audience participation" and not a series of presentations by "expert talking heads."

GSA is convinced that redefinition of these sessions will spur excellence in programming and increase the profile of the Society by addressing topics that impact our science and the nation. I have received one idea for a Topical Session so far, and I hope to hear some ideas for Topical Sessions from many more of you. Mary Jo Baedecker and I will work as a clearinghouse for your ideas and ensure that we provide the best possible program for the Hydrogeology Division in 1999. Thanks in advance for your help.

### **Anderson to Receive Meinzer Award**

The Meinzer Award Committee has selected Mary P. Anderson to receive the 1998 O.E. Meinzer Award. In their decision the following important papers were cited:

Webb, E.K. and M.P. Anderson, 1996. Simulation of preferential flow in three dimensional, heterogeneous fields with realistic internal structure. *Water Resources Research*, vol. 32, no. 3, pp. 533-545.

Anderson, M.P. and X. Cheng, 1993. Long- and short-term transience in a groundwater/lake system in Wisconsin, USA. *Journal of Hydrology*, vol. 145, p. 1-18.

Cheng, X. and M.P. Anderson, 1994. Simulating the influence of lake position on groundwater fluxes. *Water Resources Research*, vol. 30, no. 7, pp. 2041-2049.

Hunt, R.J., D.P. Krabbenhoft, and M.P. Anderson, 1996. Groundwater inflow measurements in wetlands systems. *Water Resources Research*, vol. 32, no. 3, pp. 495-507.

### **Division Members Elected to Fellowship**

Phillip C. Goodell, Jeffrey S. Hanor, Mark A. Person, Herman W. Pfefferkorn and Clifford Voss were all elected as Fellows by GSA Council since October 1997. Please join us in congratulating these Hydrogeology Division colleagues.

### **Student Grant Recipients Selected**

The following students will be recognized at the Toronto meeting for having the best Student Grant Proposals in hydrogeology. These were submitted to the GSA Grant Award Committee and have received funding from GSA for their proposed research. The Hydrogeology Division augments the GSA Grant Fund each year

Robert Address, *Nitrate fate and transport in groundwater within a Riparian Management System in central Iowa*, Iowa State University, Advisor -William Simpkins

Sunil Mehta, *Determining the Mechanism and extent of regional salinization in the Ogallala aquifer, Southern High Plains, Texas*, University of Kentucky, Advisors -Alan E Fryar and William Thomas

Remo Nardini, *Use of geographic information systems in the analysis of groundwater chemistry and its relationships to lithology and land use, Loudoun County, Virginia*, George Washington University, Advisors -William S. Logan, Frederic R. Siegel and James Wright Horton, Jr.

Matthew M. Uliana, *The influence of structural features on interbasin and regional groundwater flow in the southern salt basin and Toyah basin of West Texas*, University of Texas at Austin, Advisor -John M. Sharp Jr.

## Return of the Mugs!

Steve Wheatcraft reports his plans have new mugs in the Hydrogeologist Mug Series this year, featuring Mahdi Hantush. Mahdi started the program at New Mexico Tech. Fred Phillips (of NM tech) is providing a picture and a short biosketch for the mug "insert". Steve is planning to get GSA to produce the mugs, hopefully prior to the Toronto meeting. Remember, all donations received from the mugs go to support student research in hydrogeology. Some earlier mugs are still available - see the Division website for details.

## Committee Report: The Young Professional and the Hydrogeology Division

The committee charged with assessing the Hydrogeology Division's service to young professionals has had a dialogue over the summer, and will formulate a report to give to the management board at the annual meeting. We have received opinions and ideas both from those young, and from

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## Hydrogeology Division Contacts

### 1998 Management Board

**Chair:** Darryll Pederson [pederson@unlinfo.unl.edu]  
**First Vice-Chair:** Mary Jo Baedecker [mjbaedec@usgs.gov]  
**Second Vice-Chair:** Steve Wheatcraft [steve@hydro.unr.edu]  
**Secretary-Treasurer:** Joe Yelderman [joe\_yelderman@baylor.edu]  
**Past Chair:** Warren Wood [wwwood@usgs.gov]

### Section Representatives

**Cordilleran:** Kevin Johannesson (khj@nevada.edu)  
**North Central:** Bill Simpkins (bsimp@pop-2.iastate.edu)  
**Northeastern:** Grover Emrich (emrich@aol.com)  
**Rocky Mountain:** Bill Woessner (gl\_www@selway.umt.edu)  
**South Central:** Joe Yelderman (joe\_yelderman@baylor.edu)  
**Southeastern:** David Evans (dave\_evans@ncsu.edu)

### Standing Committees

**Technical Program Committee:**  
Ralph Davis (Chair; ralphd@comp.uark.edu), Bill Simpkins  
**Nominating Committee:**  
Lenny Konikow (Chair; lkonikow@usgs.gov), Don Siegel, Jack Hess  
**Meinzer Award Committee:**  
Steven Gorelick (Chair; gorelick@pangea.stanford.edu), William Berry Lyons, Ward E. Sanford, Tom Corbett, Lenny Konikow  
**Birdsall-Dreiss Lecturer Committee:**  
Kirk Nordstrom (Chair; dkn@usgs.gov), Mark Person (Coordinator), Jeffery Hanor (Lecturer)  
**Distinguished Service Award Committee:**  
Steve Wheatcraft (Chair; steve@hydro.unr.edu), Grover Emrich, John Harsh

### Ad Hoc Committees

**Historical Committee:**  
Steve Wheatcraft (Chair; steve@hydro.unr.edu), Paul Seaber, Bill Back  
**Past Chair's Long-range Planning Committee:**  
Jack Hess (Chair; jack@sns.c.dri.edu)  
**Penrose Conference Committee:**  
Les Smith (Chair; leslie@geology.ubc.ca), Don Siegel  
**Young Professional Committee:**  
Robert Ritzi (Chair; rritzi@wright.edu), Ken Bradbury, Matt Davis, Joe Donovan, Doug Gouzie  
**Representatives to Other Societies**  
**American Geophysical Union (AGU) Hydrology Division:**  
Mary Anderson (andy@geology.wisc.edu)  
**Assoc. of Ground-Water Scientists and Engineers (NGWA):**  
Warren Wood (wwwood@usgs.gov)  
**American Institute of Hydrology (AIH):** Joe Rosenshein  
**GSA Engineering Geology:** Tom Holzer (tholzer@usgs.gov)  
**GSA History of Geology:** Paul Seaber (seaber@dri.edu)  
**GSA Quaternary Geology and Geomorphology:** Karen Prestegaard (kp3b@umail.umd.edu)  
**GSA Council:** Les Smith (leslie@geology.ubc.ca)  
**International Association of Hydrogeologists (IAH):** Jack Sharp (jsharp@maestro.geo.utexas.edu)  
**SEPM:** Matt Davis (matt.davis@unh.edu)

**Webmaster:** David T. Long (long@pilot.msu.edu)

**Newsletter Editor:** Ira D. Sasowsky (ids@uakron.edu)

**Web site location:** <http://gaea.glg.msu.edu/GSAHYDRO>

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those of us who are not-so-young in years anymore but are still young at heart! So far we have only received input from male, post-graduate members of the division. It would be good to hear from the female membership and directly from students. What is the Division doing well to serve young professionals? What can be done better? What new ideas should be implemented? Please let your opinions and ideas be known, before the annual meeting. Please e-mail them to rritzi@wright.edu.

### **Division Loses Member**

Laurence B. James, long-time practitioner of groundwater hydrology, and a member of the GSA Hydrogeology Division, passed away on June 8th, 1998. He had a thirty year career with the California Department of Water Resources, working on numerous water-related projects, with emphasis on the interactions of seismicity and subsidence. *Submitted by his son, Allan James (Ajames@garnet.cla.sc.edu).*

### **Note from the Editor**

With this issue of the *Hydrogeologist* we complete our transition to electronic publishing. Notification of this issue is being electronically mailed to all Division members. Members who do not have email addresses, or who do not have internet access, will continue to receive paper copy of the newsletter. I look forward to your comments and suggestions at the Toronto meeting, and appreciate your patience as we complete this transition. Special thanks to those who contributed material to this issue

Ira D. Sasowsky, Editor  
*The Hydrogeologist*

