



The Hydrogeologist

Newsletter of the
GSA Hydrogeology Division

October 2001
Issue No. 55

News & Notes

Division Member Hess to Serve as GSA Executive Director

Division member John W. (Jack) Hess has been hired as Executive Director of GSA, effective December 1, 2001. He will replace Division member David Stephenson who has been serving as Acting Executive Director since March 2001. Jack is currently a Legislative Fellow on the staff of U.S. Senator Harry Reid (D-Nevada). Prior to that, he worked at the Desert Research Institute in Las Vegas, becoming Executive Director of the Division of Hydrologic Sciences in 1989 and Vice President for Academic Affairs in 1995.

Jack received his B.S. and Ph.D. in Geology from The Pennsylvania State University in 1969 and 1974 respectively. He has served the Division in many capacities, including as Chairman (1996). We wish Jack the best of luck in this challenging new position.

Siegel Will Receive Distinguished Service Award Lenny Konikow

The Distinguished Service Award will be presented to Donald I. Siegel (Syracuse University) in recognition of his contributions to hydrogeology and geochemistry, and his dedication and service to the Hydrogeology Division of the Geological Society of America (GSA). He first joined GSA as a student in 1969, and was elected a GSA Fellow in 1995. He was the Hydrogeology Division's Birdsall-Dreiss Lecturer in 1993, and he served as Chairman of the Hydrogeology Division in 1995. Don has served on Division committees, including the Nominating, Joint Technical Program, and Meinzer Award Committees, and he has convened five sessions on diverse hydrogeological topics at both annual and sectional meetings of the GSA. He has contributed to many other hydrologic organizations with equal distinction, and has served on the National Research Council's Committees on Groundwater Vulnerability Assessment, and Wetland Characterization, and has appeared as an expert witness to the U.S. Senate Subcommittee on Environment and Public Affairs. Don has mentored more than 50 MS and Ph.D. students, and his students can now be found in the private

sector, government, and in academic positions all over the country.

For his many scientific contributions, and for his boundless energy and enthusiasm to further the goals of students, individual hydrogeologists, the Division, and the profession, the Hydrogeology Division presents Donald I. Siegel with the Distinguished Service Award.

Meinzer Award to Fred Phillips E. Scott Bair

Fred Phillips, Professor of Hydrology in the Department of Earth and Environmental Science at New Mexico Tech is the 2001 O.E. Meinzer Award winner. Fred's contributions to hydrology are aptly summarized in his nomination letter. "His research lies at the intersection of hydrology, geochemistry, and geology. He has made fundamental contributions in applying stable and radioactive isotope techniques to problems in hydrogeology. In particular, his work with chlorine-36... has been especially noteworthy. He has used this technique to calculate a mass balance for inputs to the Mono Lake Basin (Phillips et al., 1995). Later, he realized that fossil rat urine was an archive in which chlorine-36 was preserved and worked out a history of cosmogenic nuclide deposition that indicated high chlorine-36 ratios prior to 13,000 years ago (1997 paper with Plummer and others). Scientists at Yucca Mountain used his findings to show that the high chlorine-36 ratio in groundwater there was a fingerprint of recharge that had infiltrated more than 13,000 years ago (Phillips, 1998). In more recent work (1999 paper with Walwood and others), he shows how carbon-14 dating can be used to calibrate a flow model and provide insights into the history of the flow regime." Fred is an active member of GSA, a GSA Fellow, and was the 1994 Birdsall-Dreiss Distinguished Lecturer. We congratulate Fred on this accomplishment and look forward to hearing his remarks at the annual Hydrogeology Division Luncheon next month at the Boston meeting. Listed below are the publications cited for receiving the Meinzer Award.

Phillips, F.M., Rogers, D.B., Dreiss, S.J., Jannik, N.O., and Elmore, D., 1995. Chlorine-36 in Great Basin water:

Revisited, *Water Resources Research*, 31, 3195-3204.

Phillips, F.M., 1995. The use of isotopes and environmental tracers in subsurface hydrology, *Reviews in Geophysics*, 30, 1029-1033.

Plummer, M.A., Phillips, F.M., Fabryka-Martin, J., Turin, H.J., Wigand, P.E., and Sharma, P., 1997. Chlorine-36 in fossil rat urine: An archive of cosmogenic nuclide deposition during the past 40,000 years, *Science*, 227, 538-541.

Phillips, F.M., 1998. Ground water dating and isotope geochemistry: in *Hydrological Sciences: Taking Stock and Looking Ahead*; proceedings, 1997 Abel Wolman Symposium, National Research Council, National Academy Press, Washington D.C., 87-100.

Walvoord, M.A., Pegram, P., Phillips, F.M., Person, M.A., Kieft, T.L., Fredrickson, J.K., and McKinley, J.P., 1999. Groundwater flow and geochemistry in the southeastern San Juan Basin: Implications for microbial transport and activity, *Water Resources Research*, 35, 1409-1424.

Division Loses a Good Friend and Colleague

F.W. Schwartz

Members of the Division will be sad to learn that a good friend and colleague, Pat Domenico, passed away August 1 near his summer home in Montana. Shortly after completing his Ph.D. at the University of Nevada in 1967, Pat joined the faculty of the University of Illinois. In 1982, he moved to the Department of Geology and Geophysics at Texas A&M University to take up a position as the David B. Harris

Professor of Geology. He retired in 1998. Numerous awards and other honors recognized his distinguished academic career. He was a recipient of the Division's O.E. Meinzer Award; the Basic Research Award of the U.S. National Committee for Rock Mechanics; the Excellence in Science and Engineering Award from the Association of Ground Water Scientists and Engineers; and the Distinguished Teaching Award, College of Geosciences at Texas A&M University. President George H. Bush appointed Pat to the U.S. Nuclear Waste Technical Review Board.

Dr. Domenico contributed basic research in areas of consolidation, resource optimization, and mass and energy transport. His work was inventive, provocative, eclectic, and often pioneering. It commonly featured the elegant application of analytical mathematics to explore physical and chemical processes. Pat was the author of two major textbooks, *Concepts and Models in Groundwater Hydrology*, and *Physical and Chemical Hydrogeology*. He participated actively at GSA's Annual Meetings and in numerous Penrose Conferences, served as the Birdsall Distinguished Lecturer, and contributed to the Decade of North American Geology Series.

Those who know Pat well will miss his keen sense of humor and wry observations on the state of our science and humanity. Through the years, he supported the aspirations and dreams of many students and helped to shape the direction of modern hydrogeology. Many individuals were touched in a personal and special way by Pat's life and career. Our thoughts and prayers are with Pat's wife Delores and the rest of his family.

Hydrogeology Division Student Research Award Recipients 2001

Ralph K. Davis

Congratulations on a job well done!!!

The Management Board of the Hydrogeology Division of the Geological Society of America would like to congratulate the 2001 student research grant awardees. The Hydrogeology Division has provided partial support for these research grant awards in conjunction with GSA. In addition, travel assistance is being provided to these awardees to attend and be recognized at the Hydrogeology Division Luncheon and Awards Reception to be held Tuesday, November 6 at the Sheraton in Boston.

Grant recipients for 2001 are:

Daniel Obrist, Division of Earth and Ecosystem Science, Desert Research Institute, Reno, Nevada. *Influence of fire and subsequent cheatgrass invasion on the spatial and temporal distribution of soil water in the rooting zone of a sagebrush ecosystem.* Project Supervisor: Dr. John A. Armone III.

Timothy Wineland, Department of Geological and Atmospheric Sciences, Iowa State University, Ames, Iowa.



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://www.uakron.edu/geology/gshydro/>. 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. Note that a new Editor will be appointed in late Fall of 2001. Material sent to the current Editor will be appropriately forwarded.

Ira D. Sasowsky, Editor
The Hydrogeologist
University of Akron
Akron, OH 44325-4101
voice (330) 972-5389
e-mail: ids@uakron.edu

**Deadline, Spring Issue:
March 15, 2002**

Hydrogeological, geochemical and geophysical characterization of alluvial sediments for implementation of riparian buffers in the Bear Creek watershed. Project Supervisor: Dr. William W. Simpkins.

Nathaniel R. Warner, Department of Geology, Miami University, Oxford, Ohio. *Groundwater contamination in Nepal: A regional comparison and assessment of controlling site characteristics.* Project Supervisors: Dr. Johnathan Levy, Miami University and Dr. Todd Rayne, Hamilton College.

Mingjuan Shi, Department of Geological Sciences, University of Texas at Austin. *Heterogeneity of low-permeability stratified units and its effects on solute transport.* Project Supervisor: Dr. John M. Sharp, Jr.

GSA Research Grants: More Hydrogeology Proposals Needed

Ward Sanford

I would like to encourage graduate students in hydrogeology to submit applications for the Graduate Student Research Grants funded by GSA at large. This will be my second year on the proposal review committee, and I know from last year that hydrogeology related proposals were under-represented as a percentage of all proposals in relation to the size of the Hydrogeology Division. Last year over 600 proposals were received, and 224 were funded--that's a better than 1 in 3 chance of being funded--not too bad these days. It is important to write the proposal so a reviewer from any field of geology would understand what you are doing and why it is important. The application deadline is Feb. 1st.

For more information see GSA's website at <http://www.geosociety.org/profdev/grants/gradgrants.htm>.

Member seeks *Ground Water Back Issues*

Division member Ed Harvey is seeking several back issues of the journal *Ground Water*. He needs the following volumes (and numbers): 2(1), 7(4,5), 10(6), 13(2-6), 16(1), 20(3,6), 21(1,3), 23(4), 33(1). Please contact Ed if you can help him out (feharvey1@unl.edu or (402) 472-8237).

Site Assessment CD Available

The Connecticut Department of Environmental Protection has released a CD entitled, *Expedited Site Assessment: The CD*. The CD was authored by Gary Robbins, Professor of Hydrogeology at the Department of Geology and Geophysics at the University of Connecticut. The CD provides technical guidance on conducting three-dimensional investigations at underground storage tank sites using direct push tools and field analytical equipment. The CD provides technical guidance in a multimedia format with slide presentations, animations, video, simulations and a real-world exercise. For more information visit: <http://www.esacd.uconn.edu>

Hydrogeology Journal

Lenny Konikow

GSA Members can subscribe to *Hydrogeology Journal* through a checkoff box on the GSA membership renewal form. The cost is \$66 for 2002. Hydrogeology Division members who are considering this should be aware that for only \$60 (or less if paid by credit card), they can join the International Association of Hydrogeologists (IAH); membership in IAH includes a one-year subscription to *Hydrogeology Journal*.

For more information, or an IAH application form, stop by the IAH booth in Boston, or check the IAH web page (www.iah.org), or e-mail a request to lkonikow@usgs.gov.

Call for Applications!

Apply for the GSA/USGS Congressional Science Fellowship for 2002-2003

Opportunities to serve as a Congressional Science Fellow are rare, and the experience of serving is unique. This position may be a good fit for you if you would like to work directly with national leaders and use your expertise and experience to help shape science and technology policy on Capitol Hill.

The Congressional Science Fellow will be selected from top competitors early in 2002.

Successful candidates are GSA members who possess either a Ph.D. in the Earth Sciences (or a related field), or a Master's degree in the Earth Sciences (or a related field) with at least five years of professional experience.

If you meet these qualifications, have experience in applying scientific knowledge to societal challenges, and share a passion for helping shape the future of the geoscience profession, GSA invites your application. The Fellowship is open to U.S. citizens or permanent residents of the U.S. The deadline to apply is February 1, 2002.

For application information, check our website at <<<http://www.geosociety.org/science/csf/index.htm>>><http://www.geosociety.org/science/csf/index.htm>> or contact Ms. Karlon Blythe, Program Officer, GSA Headquarters, (303) 447-2020, ext. 1036 or kblythe@geosociety.org

Upcoming Conferences

Report on Preliminary Planning for the GSA 2002 Annual Meeting

Carol Wicks & Bill Simpkins

Plans for the GSA 2002 meeting to be held in Denver are underway.

I. Tentative Field Trip Proposals. At this writing, three field trips will be proposed to GSA's Field Trip Chairperson from the Division. Fred Luiszer proposes a trip to Fairy Cave with the aim of bringing together hydrogeologists and geomorphologists. Kirk Nordstrom proposes a return trip to the Summitville Mine, bringing together aqueous geochemists, environmental geologists, and hydrogeologists to examine problems associated with acidic mine waste. Fred Paillet and colleagues are proposing a Borehole Geophysics field trip that will bring together environmental geologists and hydrogeologists.

II. Ideas for Topical Sessions are numerous. The Topical Sessions "Groundwater discharge to estuaries", "Arsenic in groundwater", "Surface-water ground-water interactions", and "Diffusive transport processes" were all oversubscribed at the Boston meeting. Organizers of those sessions might wish to seize momentum and organize a session for the Denver meeting. New ideas are being generated for Topical Sessions. Ira Sasowsky is considering a Topical Session on "Fluvial Processes in Karst". He plans a broad call - sediment transport, erosion, habitat utilization, geochemistry of "hyporheic zone in karst". A Topical Session on remediation of acidic mine drainage would complement the proposed field trip and we hope that someone steps forward to organize it. A Topical Session on Trace Metals in Groundwater should be viable, and we hope to find an organizer soon. We are considering a session on pharmaceuticals in ground water (including endocrine disruptors and hormones) and are looking for a session chair to organize it. This is also a possible Pardee Symposium topic at this time. There were nearly enough abstracts submitted for a stand-alone wetlands session for the Boston Meeting, and we encourage someone to consider offering a wetlands or riparian zone session at Denver.

Joint North-Central/Southeastern Sectional Meeting

Lexington, KY

April 3-5, 2002

Two theme sessions will be co-sponsored by the Hydrogeology Division at the joint North-Central/Southeastern sectional GSA meeting. The deadline for abstracts is December 19. The first session, "Ground-

water flow and geochemistry in carbonate terranes", is co-sponsored by NGWA. The other session is "Wetland hydrology and biogeochemistry". In addition, we anticipate having a hydrogeology discipline session. More information about the meeting is online at www.uky.edu/KGS/gsa2002/.

Ground-Water Flow and Geochemistry in Carbonate Rock Terrains

A.E. Fryar, C. Groves,

Carbonate rock landscape/aquifer systems are no longer the weird anomalies that many "mainstream" hydrogeologists once considered them to be. Major strides have been made in the last 25 years in the understanding of carbonate rock hydrogeology and geomorphology with both collection of large amounts of field data and application of quantitative methods. This state-of-the-science session solicits papers on both pure and applied research on carbonate aquifers and landscapes. This is intended to cover the breadth of settings (surficial and mantled karst; fractured carbonates; modern depositional environments) and topics (e.g., water supply and sustainability; landform development; karst ecology; chemical evolution; contaminant fate and transport; nonpoint-source impacts on water quality) in the Coastal Plain and Midcontinent. Both theoretical and case studies are of interest.

Wetlands Hydrology and Biogeochemistry

Alan Fryar, Elisa D'Angelo, A.D. Karathanasis,
Abinash Agrawal

Although the origin and setting of wetlands vary across central and southeastern North America, wetlands serve important ecological and hydrologic functions in each region. We seek presentations from wetland hydrologists, biogeochemists, soil scientists, engineers, and microbial and plant ecologists with knowledge and expertise on various forms and functions of wetlands. Examples include, but are not limited to, hydrology of wetlands in glaciated terrain and the Coastal Plain; wetland assessment and modeling approaches; biogeochemical cycling of nutrients, carbon, and other elements in wetlands; contaminant fate and transport in wetlands; wetland soil mineralogy and hydric soil formation; natural and constructed wetlands for treatment of wastewater and nonpoint-source pollution; and wetland restoration and mitigation. Both theoretical and case studies are of interest.

**Karst Frontiers: Florida and Related
Environments
Gainesville, Florida
March 6-9, 2002**
Carol Wicks

The Karst Waters Institute is sponsoring a conference to examine the hydrology and biology of young limestones. This small meeting will consist of a mixture of keynote (invited) papers and contributed papers, along with 2 field trips. Deadlines of November 1 and December 1, 2001 have been set for titles and extended abstracts respectively. The registration fee is \$300, which includes meeting facilities, field trip, receptions, coffee breaks, continental breakfasts, lunches, banquet, field trip guide, and extended abstract volume. Further details may be found at: www.karstwaters.org/kwi_fl.htm

**Aquifer Heterogeneity and Environmental
Implications - Ancient and Modern Coastal
Plain Depositional Environments
Charleston, SC March 24 – 27, 2002**

Mary Harris

The objective of this SEPM/IAS Research Conference is to facilitate a highly interactive and interdisciplinary discussion among researchers, practitioners and regulators aimed at advancing our understanding of aquifer heterogeneity and how to better model it in reference to environmental applications. Conference attendance will be limited to 70 participants. Although the conference title and setting emphasizes modern coastal and coastal plain depositional environments, we expect more general contributions. Abstract Deadline – December 1, 2001

TECHNICAL PROGRAM

Day One - Core Workshop and Field Demonstrations.

Cores obtained from ancient and modern environments will be presented to illustrate typical coastal plain depositional environments & associated heterogeneities.

Day Two – Sedimentology, characterization and geologic modeling of coastal plain and fluvial depositional systems. Poster contributions are sought that focus on how to characterize and model heterogeneity in coastal plain and fluvial depositional systems.

Day Three - Field trip to Price Inlet and Capers Island, South Carolina - "Modern Shoreline Depositional Environments – Aquifer and Aquitard Heterogeneity"

Modern tidal delta and mesotidal barrier island depositional environments and related processes will be observed in the field. The field trip will be conducted by Dr. Walter J. Sexton who has been conducting seminars and coastal field excursions for over 20 years.

Day Four – Models of aquifer heterogeneity Poster contributions are sought that range from theoretical/geostatistical insights to practical modeling.

Registration & Lodging US \$785.00 to \$967.00. For additional information contact Mary Harris at mary.harris@srs.gov, 803-725-4184, Judy Tarpley at jtarpley@sepm.org, 800-865-9765 Ext. 22 or visit SEPMs website, www.sepm.org

2001 GSA Annual Meeting Notes

Anne E. Carey, Division Program Chair

The Hydrogeology Program for the 2001 Annual Meeting in Boston includes 12 theme sessions, both poster and oral, and 4 discipline sessions, both oral and poster. Carol Wicks and I oversaw the organization of this interesting and varied program. There are 199 hydrogeology abstracts to be presented in Division-sponsored sessions. Topics for Division-sponsored theme sessions range from "Groundwater Availability Modeling", to "Geochemistry of Karst Waters", to "Applications of Sedimentology and Geophysics", and "Use of Isotopic Tracers as Constraints on Flow Patterns". A complete listing of the topical and Division sessions is included on the next page of this newsletter.

In addition to our customary Hydrogeology Division Tuesday afternoon activities of luncheon, business meeting, Birdsall-Dreiss lecture, and student reception, there are two divisional activities on Wednesday afternoon. From noon to 1:30, the Division is sponsoring a discussion of the newly incorporated Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI). This discussion, to be led by Marshall Moss, Executive Director of CUAHSI, will provide a forum for discussing new opportunities for research in hydrogeology and involvement in the planning of consortium activities. This lunchtime get-together will be held in the Hynes Convention Center, so that it will be convenient for all meeting attendees. Also in the Convention Center, on Wednesday at 4:30 p.m., John Bredehoeft will present GSA's Michael T. Halbouty Distinguished Lecture. Mark Person will introduce John and his lecture topic, "Who Uses the Water West of the 100th Meridian?"

Carol Wicks and I would like to thank the Hydrogeology Division session advocates who worked harder than we did organizing their sessions for the Boston meeting. GSA's new software made this year's technical program organizing much less labor-intensive than it has been in previous years. Rob Young, chairman of the JTPC, and Nancy Carlson of GSA staff were both pleasures to work with as we scheduled sessions to avoid conflicts, both within the Division and with other sessions which hydrogeologists are likely to attend. I anticipate we'll enjoy a lively and interesting program in Boston, and I look forward to seeing all of you in November.

*2001 Hydrogeology Division Program and Related Sessions
GSA Annual Meeting, Boston, MA*

Monday, November 5, Morning

Hydrogeology (Posters) I: Karst Hydrology, Heterogeneity and General Hydrology

T42. Groundwater Discharge to Estuaries I
Thomas E. McKenna and Jonathan B. Martin, Presiding

T46. Applications of Sedimentology and Geophysics in Hydrogeology
David W Hyndman, Sarah Kruse and Gary Stephen Weissmann, Presiding

T61. Natural Arsenic in Groundwater: Science, Regulation, and Health Implications (Posters)

Monday, November 5, Afternoon

T42. Groundwater Discharge to Estuaries II
Thomas E. McKenna and Jonathan B. Martin, Presiding

T40. Isotopic Tracers and Thermal Anomaly Data as Constraints on Groundwater Flow Patterns and Climate History within Sedimentary Systems
Maria Clara Castro and Mark A. Person, Presiding

T48. Application of Geochemistry to Understanding Groundwater–Surface Water Interactions
James M. Thomas, Timothy P. Rose, Kevin H. Johannesson and Alan E. Fryar, Presiding

T61. Natural Arsenic in Groundwater: Science, Regulation, and Health Implications
Stuart Rojstaczer and Stephen Peters, Presiding

Tuesday, November 6, Morning

Hydrogeology I: Fracture Flow, Unsaturated Flow and Modeling Uncertainty
Michael J. Nicholl and Robert M. Holt, Presiding

T38. Flow and Transport in Fractured Aquifers—From Field Characterization to Model Construction
Todd Halihan and David A. Benson, Presiding

Tuesday, November 6, Afternoon

Hydrogeology Division Reception, Lunch, Awards, & Business Meeting 12:00 to 3:00

2001 Birdsall-Dreiss Lecture, *Stephen Ingebritsen, 4:00-5:00*

Student Reception, 5:00-6:30

Wednesday, November 7, Morning

T35. Diffusive Transport Processes in the Subsurface
Thomas B. Boving and John E. McCray, Presiding

T37. Recent Advancements in Aquifer Hydraulics and Their Applications to Aquifer and Vadose Zone

Characterization, Remediation, and Dewatering
Hongbin Zhan and Vitaly A. Zlotnik, Presiding

T43. Iron in Sedimentary Aquifers: Biological, Chemical, and Physical Controls on Iron Mobility (8 to 10 a.m.)
Janet S. Herman, Isabelle M. Cozzarelli and Marjorie A. Chan, Presiding

T44. Hydrology and Hydrogeology of Extreme Environments (10:30 a.m. to 12:30 p.m.)
W. Berry Lyons, Presiding

Wednesday, November 7, Afternoon

GSA Hydrogeology Discussion on “Infrastructure for the Advancement of Hydrologic Science” (Geological Society of America)

Hydrogeology II: Hydrochemistry and Hydrogeology
Ronald J. Paulsen and Tamie J. Jovanelly, Presiding

T39. Geochemistry of Karst Waters: A Window on Hydrogeology and Biota
J. B. Martin and C. Groves, Presiding

Michael T. Halbouty Distinguished Lecture (4:30 to 5:30 p.m.) “Who Uses the Water West of the 100th Meridian?”
by John D. Bredehoeft
Mark A. Person, Presiding

Thursday, November 8, Morning

T41. Groundwater Availability Modeling
Robert E. Mace, Bridget R. Scanlon and Alan R. Dutton, Presiding

T45. Borehole Geophysical Analysis Techniques for the Definition of Aquifer Properties
Frederick L. Paillet and Allen M. Shapiro, Presiding

Thursday, November 8, Afternoon

Hydrogeology (Posters) II: Water Quality and Hydrochemistry

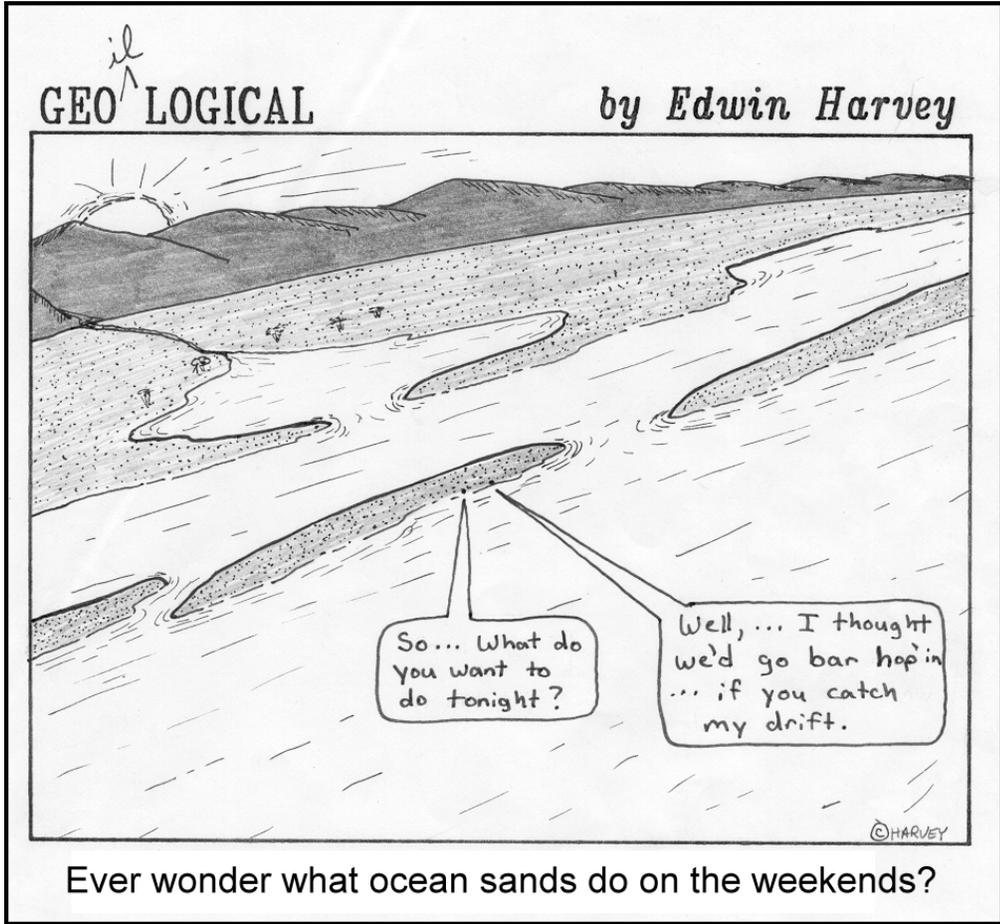
Short Courses

#3 - Applications of Environmental Isotopes to Watershed Hydrology and Biogeochemistry.
Sunday, Nov. 4, 8am-5pm. Carol Kendall, Thomas Bullen.

#4 - Estimating Rates of Groundwater Recharge.
Sunday, Nov. 4, 8am-5pm. Richard W. Healy, Bridget R. Scanlon.

Field Trip

#4 - The Science Behind A Civil Action. Saturday, Nov. 3; & again Sunday, Nov. 4
Scott Bair, Maura Metheny, Terry Lahm, Jack Guswa, John Drobinski, Chuck Myette, Kip Solomon.



Errata

Two errors were found in the previous issue of *The Hydrogeologist*.

1. The location of the 2002 meeting was erroneously given as Boston in the announcement that Carol Wicks will serve as JTFC Division Rep. The correct location is Denver for the 2002 meeting.
2. Ralph Davis is just finishing the 1st year of his 2 year term as Secretary-Treasurer. Therefore, his name should not have appeared on the ballot - there is no need to reelect him.

Apologies for any confusion that this may have generated.

Editor's Note

This is my last issue as Editor of *The Hydrogeologist*. I would like to take this opportunity to thank all of the members who have contributed material during the last 4 years. Your efforts made it easy for me to produce a timely and useful newsletter. I would also like to thank the Division Chairs under whom I have served; Darryll Pederson, Mary Jo Baedecker, Steve Wheatcraft, and Jean Bahr. It has been a wonderful opportunity to meet many great people in the Division.

Thanks!

Ira D. Sasowsky, Editor
The Hydrogeologist



Hydrogeology Division Contacts

2001 Management Board

Chair: Jean Bahr (jmbahr@geology.wisc.edu)
First Vice-Chair: Bill Simpkins (bsimp@iastate.edu)
Second Vice-Chair: Robert W. Ritzi (rritzi@wright.edu)
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Section Representatives

Cordilleran: Open - TBA
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Rocky Mountain: Bill Woessner (gl_www@selway.umt.edu)
South Central: Open - TBA
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Meinzer Award Committee:
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Stephen Ingebritsen (Lecturer)
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Leonard Konikow (lkonikow@usgs.gov)
Representatives to Other Societies
American Geophysical Union (AGU) Hydrology Section:
Les Smith (leslie@geology.ubc.ca)
Assoc. of Ground-Water Scientists and Engineers (NGWA):
Bill Woessner (gl_www@selway.umt.edu)
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 (kpresto@geol.umd.edu)
International Association of Hydrogeologists (IAH): Jack
Sharp (jmsharp@mail.utexas.edu)
SEPM: Matt Davis (matt.davis@unh.edu)
Webmaster: David Diodato (diodato@thehydrogeologist.com)
Newsletter Editor: Ira D. Sasowsky (ids@uakron.edu)
GSA Council: Mary Anderson (andy@geology.wisc.edu)

Division website: <http://www.uakron.edu/geology/gsa/hydro>
