



The Hydrogeologist

NEWSLETTER OF THE HYDROGEOLOGY DIVISION OF THE GEOLOGICAL SOCIETY OF AMERICA JUNE 1995

Chairman's Message

Dear Colleagues,

Three years ago in his chairman's message in *The Hydrogeologist*, John Cherry urged that the Hydrogeology Division be revitalized. Coincident with the need for groundwater cleanup and new sources of potable water, our discipline had broadened to include a wide range of research and practice. At the same time, membership in the Division had declined. John asked, "Why should a hydrogeologist join GSA when AGU and NGWA are available?" and concluded that we needed to address the lack of a suitable publication venue in GSA, lack of growth in Division funds, and paucity of multifaceted hydrogeology programs at GSA annual and regional meetings.

Well, I am happy to report that the Division has made excellent strides to make GSA the intellectual home for hydrogeologists with both academic and practical interests. Our programs and services in fact reach a broad hydrogeologic audience. GSA and the Division now co-sponsor *Hydrogeology Journal* (formerly *Applied Hydrogeology*) with the International Association of Hydrogeologists. This journal, edited by Cliff Voss and Bill Wilson, is an excellent forum for Division members to publish research under the GSA banner. Furthermore, it is available through GSA with annual dues. All members should consider submitting their articles to *Hydrogeology Journal*. In addition, *Geology* and *GSA Bulletin* continue to reach a diverse audience interested in groundwater research related to paleoclimate, geomorphology, mineral deposits, metamorphism, and other geologic phenomenon.

The Management Board will shortly present to the membership proposed changes to streamline and clarify Division Bylaws. Division funds are also being addressed. Bill Back's series of Hydrogeologist Mugs has raised scholarship monies with "Darcy," "Meinzer," and "Theis" mugs. Donations to the Shirley Dreiss Memorial Fund, which supports the Birdsall-Dreiss Distinguished Lectureship, have been generous.

This year the Division has begun discussions with GSA to obtain a larger portion of profits for our own short courses. Although disbursement of profits has not been formalized, the Division specifically looks for short courses with outstanding educational value and a potential draw of a large number of attendees. Included among the short courses we will sponsor at the 1995 Annual Meeting in New Orleans are "Wetland Hydrogeology" and "Geochemistry and Organic Contaminant Geochemistry." We hope to sponsor short courses with regional as well as national perspectives at all our meetings.

There now is a greater balance between "geologic" and "applied" hydrogeologic theme sessions and symposia at the annual and regional meetings. The Division and The Institute for Environmental Education co-sponsor theme sessions and symposia. Sectional meetings across the whole country are offering very interesting hydrogeology programs. For example, the Northeastern Section meeting included a panel discussion whether ground-water remediation is feasible or a waste of time.

We are exploring how to use Internet to provide a networking forum for hydrogeologists. Offering an "internetworking"



Don Siegel
Chairman
Hydrogeology Division

facility via GSA is an exciting possibility; anyone with suggestions should feel free to contact me (naturally, by e-mail: "disiegel@mailbox.syr.edu").

There still are, of course, problems that need to be addressed. Although the Hydrogeology Division now is the largest GSA division, membership declined about 10 percent in the past year, similar to the drop in membership in other divisions of GSA. I think that the decline in GSA membership reflects the overall decrease in practicing geologic professionals. *Newsweek* recently reported that the number of students studying geology in universities and colleges decreased by 50 percent during the past decade. With decreased exploration in mining and petroleum industries, there are fewer job opportunities for geologists. Moreover, the hydrogeology market is becoming satiated in some parts of the country. Although there will always be a demand for hydrogeologists in the consulting industry, the huge growth in hydrogeology of the past decade is probably over. The focus of "applied" hydrogeology also will probably change in the near future because of regulatory changes. Risk-based assessment is becoming more important when addressing ground-water contamination; there is already a greater emphasis on rapid "clean-up," rather than extensive site characterization.

How do we "educate" as well as "train" hydrogeologists for a job market that is constantly changing? Many hydrogeology students might be taking more engineering and statistics courses and fewer geology courses, leading me to ask at what point a hydrogeologist should no longer be called a geologist? Will future hydrogeologists know much about rocks, minerals, and their chemical composition and structure? Will they have a sense for geologic time, the grand evolution of continents and life? Will future hydrogeologists have the ability to critically evaluate hydrogeologic problems? If not, what will be lost?

The GSA Hydrogeology Division is flexible enough to respond to change and remain not only viable, but also the intellectual home of ground-water scientists in general. I would like to hear your ideas of how to respond to these issues.

Kirk Nordstrom to be 1996 Birdsall–Dreiss Distinguished Lecturer

The Division is very pleased to announce Dr. Kirk Nordstrom as the 1996 Birdsall–Dreiss Distinguished Lecturer in Hydrogeology. Dr. Nordstrom is employed by the U.S. Geological Survey and has had a distinguished career conducting research in hydrogeochemistry. Tentative lecture topics are: "Negative pH, ultra-acidic mine waters and the challenge of environmental restoration at the Iron Mountain Mine Superfund anomaly;" "Model validation and other chimeras: some personal reflections on the philosophy of science;" and "Hydrogeochemistry of deep granitic ground waters at Stripa and the model validation chimera." Dr. Nordstrom will begin his lecture tour after the 1995 Annual Meeting in New Orleans.

Section News

North Central

Bob Melvin, Section Representative

Highlights of the 1995 GSA Northeastern Section meeting include a symposium titled "Investigative techniques for contaminated site characterization," sponsored by the Connecticut Ground-Water Association, and a public forum titled "Remediating ground-water contamination: Have we been wasting our time or is there hope?"

The 1994 collapse of part of the Retsof Mine, the world's largest salt mine, located near Rochester, N.Y., has had significant hydrogeologic impact. Fracture zones formed during collapse allowed ground water in overlying aquifers to invade the mine at inflow rates ranging from approximately 5,500 to 20,000 gallons per minute. Well yields locally have declined and some wells have gone dry.

The Department of Defense, as part of its Installation Restoration Program, has initiated a plan to contain several plumes of contaminated ground water at the Massachusetts Military Reservation on Cape Cod, Massachusetts. The plumes containing solvents or fuels are considered to pose a public health hazard and also have the potential to reduce property values. The plan proposes approximately 450 extraction and re-injection wells that will treat about 11 million gallons of ground water a day over a 20-year period. For more information, contact the Installation Restoration Program Office at (508) 968-4678.

The U.S. Geological Survey's National Water-Quality Assessment (NAWQA) program recently initiated four new studies in the Northeast. They include the Northern New England Basins, Long Island and New Jersey Coastal Plain, Allegheny-Monongahela, and Lake Erie-St. Clair study units.

University of Rhode Island scientists and the Office of the Rhode Island State Geologist are compiling a radon potential map of Rhode Island. This effort includes measurements of radon in soils, rocks, and ground water and is scheduled to be completed in 1996. For additional information, contact Dr. Anne Veeger [Department of Geology, University of Rhode Island, Kingston, RI 02881].

Southeastern

Stuart Rojstaczer, Section Representative

Hydrogeologic activity in the Southeastern Section occurred at the Section Meeting in Knoxville, Tennessee, during April 5-7, 1995. The meeting included a symposium on hydrogeology and hydrogeochemistry of saprolite, and theme sessions on contaminant hydrogeology and on measurement of physical and chemical parameters in hydrogeology. A premeeting field trip looked at the geology and hydrology of the DOE Oak Ridge Reservation and associated waste management issues.

North Central

William W. Simpkins, Section Representative

Chris Neuzil visits Iowa State, Minnesota, South Dakota, Southern Illinois, Missouri, Indiana, Wright State, North Dakota, and Waterloo in the North-Central Section this spring as part of the Birdsall–Dreiss Distinguished Hydrogeologist Lecture tour.

South Central

Joe Yelderman, Section Representative

The North-Central and South-Central Sections of GSA met together this year in Lincoln, Nebraska. A symposium was held on the occurrence, transport, and transformation of pesticides and nutrients in surface and ground waters. A field trip to the Sand Hills focused on the geology of the High Plains aquifer.

Hydrogeologist Mugs

The Historical Committee of the Hydrogeology Division will offer its fourth collectable Hydrogeologist Coffee Mug imprinted with a photograph of T. C. Chamberlain, who pioneered the recognition of the interrelationship between geology and ground-water flow. The fine-quality Hydrogeologist Mugs are given free in appreciation for contributions to the graduate student research fund (suggested amount of \$25). About \$2,000 has been donated since October 1994. Send donations to John Harsh, 4710 Eisenhower Blvd., Suite B-5, Tampa, FL 33634-6381] and requests for mugs to Bill Back [U.S. Geological Survey, Mail Stop 431, 12201 Sunrise Valley Drive, Reston, VA 22092, phone: (703) 648-5856, fax: (703) 648-5274, e-mail: wback@qvarsa.er.usgs.gov].

Call for Penrose Conferences in Hydrogeology

The Division encourages members to propose new topics in hydrogeology for GSA Penrose Conferences. We would like to build on the success of "Fractured unlithified aquitards: origin and transport processes," held last summer in Racine, Wisconsin. Contact Bill Simpkins [e-mail: bsimp@iastate.edu].

Hydrogeology Meeting Programs 1995 Annual Meeting in New Orleans

We encourage your participation at the 1995 Annual Meeting, which will showcase recent advances in hydrogeology and "Bridge-the-Gulf" interdisciplinary efforts, with an emphasis on wetland, contaminant, and karst hydrogeology. The meeting should also attract a large contingent of AAPG members from the New Orleans area. For more information please contact Van Brahana [phone (501) 575-2570, fax: (501) 575-3846, e-mail: jbrahana@jungle.uark.edu].

Continuing Education and Workshops

Three exciting short courses will be presented for the first time to meet the demand for applied and interdisciplinary hydrogeological educational opportunities. To reinforce what is learned, each short course is complemented by a related theme session or symposium during the meeting.

Contaminant Organic Geochemistry

Contamination of ground water by organic compounds is an ubiquitous problem in North America and elsewhere. This special introduction to organic geochemistry focuses on the relative importance of processes that affect the fate and transport of contaminants in the subsurface. Presented by Phil Bennett and Mary Jo Baedecker. (Premeeting, 1-day)

Hydrogeology and Geochemistry of Wetlands

Management of the nation's wetlands is a politically contentious issue, partly because of the lack of technical understanding of the hydrologic and geochemical role of wetlands in the environment. The focus of this symposium is on dominant principles, processes and controls in wetland hydrogeology. Presented by Don Siegel and Barry Warner. (Premeeting, 1-day).

Multidimensional Computer Visualization in the Geosciences

This two day premeeting course was prepared as a response to the wide interest in the subject generated at the 1994 Annual Meeting in Seattle. It will introduce the use of computer-aided multidimensional visualization for solving problems and presenting results. Convenors include Mark Person, Paul Morin, and Mark McBride.

Field Trips

Hydrogeological Aspects of Louisiana's Flotant Marshes

One hour south of New Orleans lies the largest expanse of coastal wetlands in the lower 48 states. Many of the freshwater marshes are detached from the solid subsurface and move vertically with change in water level. Led by Chris Swarzenski [phone: (504) 389-0281 x3219, e-mail: cswarzen@qvarsa.er.usgs.gov] and Gail Chmura. (Premeeting, 1-day, 15 person limit, estimated cost: \$50-60).

Island Hydrogeology

Focus is on the carbonate geology and hydrogeology of Andros Island in the Bahamas. Led by Yoram Eckstein [Kent State University, phone: (216) 672-2680, fax: (216) 672-7949, e-mail: yeckstei@kentvm.kent.edu] and Gary Maurath. (November 1 to 5, with round trip flight from Ft. Lauderdale to Andros; estimated cost: \$360).

Symposia

GSA policy is to accept only invited papers for symposia. The Hydrogeology Division, however, solicits meritorious presentations for symposia as well as theme sessions. Please contact one of the convenors as soon as possible, even if your plans are tentative at this time.

Bredehoeft Symposium: Hydrogeology and Geologic Processes

Topics include coupling between deformation and fluids, perturbing effect of ground-water flow on the earth's thermal field, hydrology of low-permeability environments, abnormal fluid pressures, migration of petroleum in deep sedimentary basins, and mineral deposition by ground water. Convenors include Warren Wood [phone: (703) 648-5878, fax: (703) 648-5274, e-mail: wwwood@qvarsa.er.usgs.gov], Ken Belitz [phone: (603) 646-3365, fax: (603) 646-3922, e-mail: kenneth.belitz@dartva], and Leonard Konikow [phone: (703) 648-5878, fax: (703) 648-5274, e-mail: lkonikow@qvarsa.er.usgs.gov].

Hydrogeology of Wetlands

Focus is on the effect of hydrogeology on the physical, chemical, and ecological processes of wetlands. Interdisciplinary symposium complements the wetlands field trip. Convenors include Don Siegel [phone: (315) 443-3607, fax: (315) 443-3363, e-mail: disiegel@mailbox.syr.edu] and Karen Prestegaard [phone: (301) 405-4365, fax: (301) 314-9661].

Theme Sessions

Multidisciplinary Approaches to Hydrogeologic Research on Carbonate Islands

Interdisciplinary session on the quality and quantity of ground water on carbonate islands complements the Bahamas field trip. Contact Carol Wicks [phone: (314) 882-3231, fax: (314) 882-5458, e-mail: geosccw@mizzou1.missouri.edu] or Joe Troester [phone: (809) 749-4346, fax: (809) 749-4462, e-mail: jtroest@qvarsa.er.usgs.gov].

Halogen Hydrology

Session focuses on the use of Cl (35, 36 and 37) and I (127, 129) isotopes as well as trace amounts of Br as introduced tracers and as indicators of water origin. Contact Stan Davis [phone: (602) 743-7470, fax: (602) 621-1422].

Geochemistry, Hydrology, and Environmental Impacts of Brines and Saline Waters

Focus is on implications for Earth history, origins of petroleum hydrocarbons, and environmental contamination and cleanup. Contact Rick Huff [phone: (505) 646-1335, fax: (505) 646-7949] or Jeff Hanor [phone: (504) 388-3353, fax: (504) 388-2302].

Incorporating Research Results Into Ground Water Contamination Investigations and Remediation

Session addresses how to bridge the gulf between remediation research and public acceptance of new approaches with discussion of case studies. Contact John Guswa [phone: (508) 772-7557, fax: (508) 7726183, e-mail: geotrans@world.std.com].

Hydrochemical Interaction between Shallow Ground Water and Surface Water in Karst Terrane

Session focuses on the integration of innovative techniques and novel approaches involving tracers, geochemical and flow modeling, and laboratory studies. Contact Brian Katz [phone: (904) 942-9500 x3018, fax: (904) 942-9521, e-mail: bkatz@sfltlh.er.usgs.gov] or Noel Krothe [phone: (812) 855-8197, fax: (812) 855-7899, e-mail: krothen@indiana.edu].

Simulation, Animation, and Data Visualization in Hydrogeology

Session demonstrates state-of-the-art computer techniques for conceptualization and synthesis of three-dimensional hydrogeological information. Contact R. S. Harmon [phone: (919)549-4326, fax: (919) 549-4310, e-mail: harmon@aromh1.army], Jeffery Holland [phone: (601) 634-2644, fax: (601) 634-2823], or Ed Sudicky [phone: (519) 885-1211 x6271, fax: (519) 725-8720].

Hydrogeologic Research: Politics, Economics, and the Environment

Session examines how to bridge the gulf between geosciences and the current political milieu, global business, and the environmental movement. Discussions will focus on how hydrogeology fits into the larger fabric of society and what market and educational changes the geological community might need to address. Contact Doug Gouzie [phone: (404) 639-0603, fax: (404) 639-0653, e-mail: dag6@atsdha1.em.cdc.gov].

The Watershed Approach to Water Resource Management

Session addresses the holistic "watershed approach" for water policy as an alternative to the myriad regulations affecting ground water under the Clean Water, Safe Drinking Water, and Solid Waste Disposal Acts. Contact Pat Burkhart [phone: (419) 448-2292, fax: (419) 448-2124, e-mail: pburkhar@nike.heidelberg.edu].

Innovative Characterization of DNAPL Impacted Aquifers

Focus is on how to develop the quantitative picture of heterogeneous aquifers needed to evaluate the transport, distribution, and remediation of residual DNAPLs. Contact Mark Noll [phone: (904) 283-6267, fax: (904) 283-6286].

General Hydrogeology Sessions

Many timely, relevant, and exciting hydrogeologic research papers will not fit into the categories of the symposia and theme sessions at this meeting, but the Division invites your volunteered abstract for oral or poster sessions. Contact Van Brahana at address given above.

Awards to Early-Registering Students

A cash rebate of \$50 was awarded to Tom Boyd of Portland State University as the first student to register for Applied Ground-Water Flow Modeling at the 1994 Annual Meeting in Seattle. Unfortunately, none of the students who registered for the Isotope Hydrology course were members of the Hydrogeology Division. Students vying for this rebate for the New Orleans meeting need to get their registration materials to GSA as soon as possible.

1996 Annual Meeting in Denver

The Hydrogeology Program at the 1996 Annual Meeting in Denver, Colorado will have a comprehensive program in physical and chemical hydrogeology with an emphasis on interdisciplinary topics. If you have suggestions for additional program topics or would like to volunteer as a session chair, theme coordinator, field trip leader, or to teach a course, please contact Mary Jo Baedeker [phone 703-648-5858; fax 703-648-5832; e-mail mjbaedec@usgs.gov]. The deadlines for filing the information with GSA will be June 1, 1995 for field trips; December 1, 1995 for short courses; and January 2, 1996 for symposia.

Symposia and Theme Sessions

Advances in the coupling of biogeochemical processes with flow and transport models
Hydrogeologic processes and paleoclimate
Geomicrobiology in aquifer systems
Impact of mining on aquifers
Transport in the unsaturated zone
Hydrology and geochemistry of low-permeable materials
Advances in geophysical methods to characterize subsurface environments
Physical and chemical processes in shallow aquifers
Field scale experiments and contaminant transport

Short Courses and Workshops

Vadose-zone processes
Age-dating techniques for young ground water
Isotope hydrology
Using geophysical methods as a site assessment tool

Field Trips

Hydrology of the Denver Basin

Applied Hydrogeology Renamed to *Hydrogeology Journal*

submitted by Cliff Voss and Bill Wilson

When readers of *Applied Hydrogeology* received their first 1995 issue they found that the journal has a new name, *Hydrogeology Journal*. Because hydrogeology is fundamentally an applied science, use of the word "applied" in the journal's former name could have been considered redundant. In addition, the name has been changed to avoid any misperception that "applied" signaled a limitation in the types of articles published; this limitation was never intended.

We expect that the new name, *Hydrogeology Journal*, and the scope it implies will appeal to the widest possible group of hydrogeologists. *Hydrogeology Journal* will publish world-class articles developing the science and application of hydrogeology. Our scope is the full span of the interdisciplinary field of hydrogeology, including simple reporting of phenomena observed at a field site, actual techniques applied to a particular practical problem, method development, and development of general principles of scientific hydrogeology.

The journal will continue to be offered at a very low cost and with no page publication charges to authors. It invites significant participation by practitioners in developing countries. *Hydrogeology Journal* provides support for editing of papers of non-native English speakers, and for translation of English of accepted manuscripts. We strive to maintain the shortest delay between manuscript submission and publication of any major earth-science journal. This journal is co-sponsored by the GSA Hydrogeology Division and the International Association of Hydrogeologists.

If you would like a complimentary copy of *Hydrogeology Journal*, please contact Clifford Voss [phone: 703-648-5885, fax 703-648-5274, e-mail: cross@usgs.gov].

New Bylaws for the Hydrogeology Division

Don Siegel and the Division Management Board anticipate presenting a summary of proposed changes in the Hydrogeology Division Bylaws in the fall issue of *The Hydrogeologist*. Ballots will be attached to the newsletter for voting on the bylaws along with voting for Division officers. The Bylaws will also be posted on the home page via Internet. Information on how to get the document electronically or by direct mail will also be given in the fall issue.

In Memoriam

John D. Hem died December 27, 1994, at age 78. He was the 1990 recipient of the GSA Hydrogeology Division's Meinzer Award for his classic U.S. Geological Survey Water-Supply Paper 1473, "Study and interpretation of the chemical characteristics of natural water."

1994 Annual Business Meeting Minutes

The 1994 Annual Business Meeting of the Hydrogeology Division of the Geological Society of America was held on Tuesday, October 25, 1994, in the Metropolitan Room of the Sheraton Hotel, Seattle, Washington, following a luncheon and awards ceremony. Chairman Lenny Konikow introduced Division officers, awardees, and special guests: Don Siegel, Chairman-Elect; John Harsh, Secretary-Treasurer; Jack Hess, First Vice-Chairman; Frank Schwartz, Past Chairman; Steve Wheatcraft, 1994 Program Chairman; Steve Gorelick, Meinzer Awardee; Irwin Remson, Meinzer citationist; Edna Remson; and Phyllis Konikow. Dr. Fred Phillips was introduced as the 1994 Birdsall-Dreiss Distinguished Lecturer and was presented both the Birdsall-Dreiss Certificate and a plaque of cut crystal. Lenny then announced that the 1995 Birdsall-Dreiss Distinguished Lecturer will be Chris Neuzil of the U.S. Geological Survey.

Irwin Remson made the citation for the O.E. Meinzer Award to Steve Gorelick, who then gave his response. The Chairman presented the Meinzer Bowl and Certificate to Steve. [Ed. note: Irwin Remson's citation and Steve Gorelick's remarks are printed in the March 1995 issue of *GSA Today*].

Lenny Konikow announced that the Distinguished Service Award Committee had selected two recipients for 1994; Darryll Pederson and Joe Rosenshein. Jack Sharp presented the citation on behalf of Darryll Pederson, and Bill Wilson presented the citation on behalf of Joe Rosenshein. The two awardees were given honorary plaques in appreciation of their services.

Darryll Pederson presented certificates to recipients of the 1994 Student Research Grants: Marcia Schulmeister, Vikas Tandon, and Robert Swartz. Prior to the presentation, Darryll stressed that graduate-student applicants should follow GSA guidelines for preparation of research proposals.

The first agenda item in the business meeting was approval of the minutes of the 1993 Annual Meeting in Boston, as published in the April 1994 issue of *The Hydrogeologist*. A motion to approve the minutes was made and seconded by Paul Seaber and Grover Emrich, respectively; the motion passed unanimously. The Chairman then requested a moment of silence in memory of those affiliates and members of the Division who had died during the year. Special acknowledgement was given for the loss of Shirley Dreiss.

John Harsh, Secretary-Treasurer, announced the results of the balloting for Division officers: Don Siegel, Chairman; Jack Hess, First Vice-Chairman; Warren Wood, Second Vice-Chairman, and John Harsh, Secretary-Treasurer. The Division's 1994 financial activity follows:

Fund Balances as of 9/30/94

Division General Fund	\$ 975.65
Birdsall Fund	\$40,781.80
Dreiss Memorial Fund	\$11,138.00
Award Fund	\$12,153.23

Lenny Konikow summarized the major actions and activities of the Division during the past year. He emphasized

the Division's commitment to serve members' needs. Major accomplishments include:

- revision of Division Bylaws,
- cut in number of committees,
- formation of the Shirley Dreiss Memorial Fund,
- encouragement and support of section representatives for more hydrogeology programs, field trips, and short courses at section meetings,
- improvement in long-term planning by the management board, and
- improvement in communication between GSA headquarters and Division management.

The Chairman acknowledged the work of the Division Historical Committee in issuing the historical series of hydrogeologist mugs. Bill Back credited Al Clebsch for preparing the text insert with this year's mug dedicated to C. V. Theis. Warren Wood announced NGWA's plans to design a museum dedicated to consider a wide range of aspects in relation to ground water.

Lenny Konikow requested that members consider making nominations to the board for GSA committees and Council representatives. Lenny then introduced Cliff Voss and Bill Wilson as co-editors of the Division journal, *Hydrogeology Journal*, co-sponsored with IAH. Cliff summarized what they are interested in publishing. He indicated about 400 GSA members have subscribed. Lenny reported that Keros Cartwright is chief of publications for GSA, and that GSA will also publish a new quarterly journal called *Environmental and Engineering Geosciences Bulletin*.

Steve Wheatcraft, Technical Program Chairman for the 1994 Annual Meeting in Seattle, acknowledged the exemplary work of the volunteers, sponsors, and participants who developed the technical program, field trips, and short courses. The number of abstracts this year was the same as for the Boston meeting. A highlight of this meeting was the theme session on Computational Hydrology and Data Visualization and Animation.

Van Brahana described field trips, short courses, symposia and theme sessions planned for the 1995 Annual Meeting in New Orleans. Mary Jo Baedecker summarized her ideas for the technical program for the 1996 meeting in Denver. She requested ideas and volunteers and sponsors for handling program activities.

Chris Neuzil, 1995 Birdsall-Dreiss Distinguished Lecturer, briefly discussed his plans for his lecture tour. Two topics include "Groundwater hydrodynamics of an ultra-low permeability shale, South Dakota" and "Abnormal pressures as hydrodynamic phenomena." Abstracts were given in the September 1994 issue of *The Hydrogeologist*.

Bill Simpkins reported that a Penrose Conference on "Fractured Unlithified Aquitards: Origins and Transport Processes" was held June 16-20, 1994, at the Racine Marriott in Racine, Wisconsin. Eighty participants, of which 20 were students, attended the conference. He asked that he be sent ideas for future Penrose Conferences.

As an item of new business, Bill Back mentioned a 1995 field trip in Hawaii that will be led by Cliff Voss and Frank Peterson as part of the American Water Resources Association

Summer Symposium. Paul Witherspoon gave special recognition to Bill Woessner and Mary Anderson for their GSA short course called Applied Ground-Water Flow Modeling. He also cited the Superconducting Super Collider (SSC) underground facility near Waxahachie, Texas, as providing an excellent opportunity for scientists to conduct underground hydrogeologic research. Information about this opportunity appeared in the November 29, 1994 issue of *EOS*. Paul Seaber stated that the Hydrostratigraphic Commission will publish its work concurrently in the *AAPG Bulletin* and the *Hydrogeology Journal*.

John Moore announced a meeting of the IAH on Wednesday, October 26, at 9:00 a.m. in Room 416, Sheraton Hotel. Members of the Hydrogeology Division were invited.

Noel Krothe mentioned that five technical sessions were scheduled for Wednesday, October 26. Suggestions were made to replace the luncheon at future meetings with a late afternoon program featuring the Birdsall-Dreiss Lecture, presentation of awards, business meeting, reception for awardees and students, and a cash bar with hors d'oeuvres.

The Meeting was adjourned after the transfer of authority to the new Chairman, Don Siegel. Don reminded members to attend the Birdsall-Dreiss Lecture in the Grand Ballroom, Sheraton Hotel.

John Harsh
Secretary-Treasurer
November 15, 1994

Hydrogeology Division Organization

1995 Management Board

Chairman

Don Siegel, Syracuse University

First Vice Chairman

Jack Hess, Desert Research Institute

Second Vice Chairman

Warren Wood, USGS-Reston

Secretary-Treasurer

John Harsh, USGS-Tampa, FL

Division Liaison to Council

John Cherry, University of Waterloo

1995 Committees

Meinzer Award Committee

Stavros Papadopoulos (Chairman)
Les Smith, Janet Herman, Jean Bahr,
Frank Chapelle

Birdsall-Dreiss Lecturer Committee

Don Siegel (Chairman)
Fred Philips (Coordinator)
Chris Neuzil (Lecturer)

Distinguished Service Award Committee

Phyllis Garman (Chairman)
Bill Wilson, Darryll Pederson

Nominating Committee

Jack Sharp (Chairman)
Joe Rosenshein, Frank Schwartz

Joint Technical Committee

Van Brahana (Chairman)
Mary Jo Baedecker, Brian Katz,
Warren Wood

Bylaws Committee

Paul Seaber (Chairman)
Joe Rosenshein, John Cherry,
Lenny Konikow

Penrose Conference Committee

Bill Simpkins (Chairman)
John Cherry, Donald Siegel

Past Chairman's Long-Range Planning Committee

Lenny Konikow

Division Historical Committee

William Back (Chairman)
Claire Davidson, Phyllis Garman,
Alan Dutton, John Harsh, Darryll Pederson,
Joe Rosenshein, Paul Seaber

External Awards Committee

William Back

Section Representatives

Cordilleran-Kent Keller
North Central-Bill Simpkins
Northeastern-Bob Melvin
Rocky Mountain-Bill Woessner
South Central-Joe Yelderman
Southeastern-David Evans

Representatives to Other Societies

Joe Weihaupt, American Association for the
Advancement of Science, Section W

Nari Narasimhan, Hydrology Division of
American Geophysical Union (AGU)

Joe Rosenshein, American Institute of
Hydrology (AIH)

Warren Wood, Association of Ground-Water
Scientists and Engineers (NGWA)

Tom Holtzer, GSA Engineering Geology
Division

Paul Seaber, GSA History of Geology
Division

James Quinlan, GSA Quaternary Geology
and Geomorphology Division

Jack Sharp, U.S. Committee for the Interna-
tional Association of Hydrogeologists (IAH)

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News items for *The Hydrogeologist* are appreciated submitted in electronic mail or saved text only on computer diskette. Microsoft Word is used for newsletter compilation on a Macintosh computer. Deadline for submitting items for the Fall 1995 issue of *The Hydrogeologist* is July 15, 1995.

ANNOUNCEMENT

TRAVEL GRANT PROGRAM

30th IGC in Beijing, China
August 4-14, 1996

The Geological Society of America is accepting applications for the International Geological Congress (IGC) Travel Grant Program.

This program was established as a final act of the Organizing Committee for the U.S.-hosted 28th IGC held in Washington, D.C., in July 1989. Surplus funds available at the conclusion of the 28th IGC were transferred to the GSA Foundation with the stipulation that income from the fund be used to support the attendance of young geoscientists at future IGCs, until such time as the United States again hosts an IGC. Travel grants will consist of economy airfare to and from China.

To be eligible, an applicant must be a resident or citizen of the United States (includes students); must have a birth date after August 31, 1956; and must have an abstract for inclusion in the program of the 30th IGC.

Official application forms are available from the Grants Administrator, GSA Headquarters, 3300 Penrose Place, P.O. Box 9140, Boulder, CO 80301. Along with the form, applicants must include a copy of the abstract that was submitted to the 30th IGC. Applications must be supported by two letters from current or recent supervisors; students may use faculty members. **Qualifying applications and letters of support must be post-marked no later than September 15, 1995.** Applicants will be notified of results early in 1996.

Have you been to GSA lately?

Geological Society of America 1995 Annual Meeting

New Orleans • November 6-9
Ernest N. Morial Convention Center



*The meeting for everyone interested
in Earth science systems
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Program, Housing and Registration Information

Available Immediately

Abstracts Due

Wednesday, July 12

Technical Program Schedule

September 1

Preregistration Due

Friday, September 29

FOR INFORMATION

GSA Meetings Department:
303-447-2020, ext. 141, 1-800-472-1988,
FAX 303-447-0648
E-mail: meetings@geosociety.org
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