
◆ BULLETIN ◆

Winter 2000 "American Institute of Hydrology, the Society for Registered/Certified Hydrologists and Hydrogeologists" Volume 18, Issue 4

2000 AIH Annual Meeting and Conference in North Carolina

The American Institute of Hydrology convened its annual meeting and conference at the Sheraton Imperial Hotel and Convention Center, Research Triangle Park, Nov. 5-8, 2000. The conference highlighted complex air, land and water resources interactions. Among the exhibitors at the conference were: Skelly & Loy LLP, Rickly Hydrological Co., American Ground Water Trust, In-Situ, Inc., Great Atlantic Stream Flow Meters, Geochron Labs/Krueger Enterprises, Hydron Software, Environmental Sensors Inc., and AIH. The Organizing Committee also gratefully acknowledges the support of these organizations: U.S. Geological Survey, U.S. Environmental Protection Agency, World Bank, UNESCO-IHP Programme, N. C. Department of Environment and Natural Resources, Research Triangle Institute, the University of North Carolina Water Resources Research Institute, Duke University, Duke Energy Company, and the American Ground Water Trust.

The presentations were outstanding, as were the facilities of the venue. In addition to the technical papers, there were enlightening opening remarks by several guest speakers. Mr. Bill Holman, North Carolina Secretary of the Department of Environment and Natural Resources, described state water and air-related environmental protection efforts. He supervises the Divisions of Water Quality, Air Quality, Waste Management, Water Resources, Land Resources, Radiation Protection, Coastal Management, Pollution Prevention and Environmental Assistance, and Environmental Health. Dr. Victoria Haynes, President of the Research Triangle Institute, reviewed the worldwide efforts of RTI in water resources planning. Dr. Jerad Bales, a USGS scientist from the Raleigh District Office, described both national and regional USGS initiatives to assess hydrologic events and impacts, such as the National Streamflow Information Program. Dr. Gary Foley, Director of the EPA National Exposure Research Laboratory, reviewed the modeling and high performance computing efforts of EPA and his own experiences and vision for the future. A representa-

tive of the Wisconsin Department of Regulation and Licensing reviewed the process for registering hydrologists in that state.

A major highlight of the conference was the first AIH student paper competition. The judging was conducted by an independent panel of registered professional hydrologists, chaired by Dr. Vijay Singh, the next president of AIH. None of the panel members judging the presentations were associated with the universities of the competing students. The student papers were considered so good that the judging was difficult and the voting close. The results were as follows:

First place

Cevza M. Kazezyilmaz-Alhan, *Earthquake-Generated Water Waves on a Uniformly Sloping Coastline*, currently at Duke University (Advisor: E. Otay, Bogazici University, Turkey)

Second place

Douglas J. Sutton, *Rhodamine WT as a Reactive Tracer: Laboratory Study and Field Consequences*, Duke University (Advisor: Z. Kabala)

Third place (a tie)

Matthew W. Farthing, *Mixed Finite Element Methods and Higher Order Temporal Approximations*, University of North Carolina at Chapel Hill (Advisor: Cass T. Miller)

Kazuhiro Sonoda, *Near-Stream Landuse Effects on Urban Streamwater Nutrient Concentrations*, Portland State University (Advisor: J. Alan Yeakley)

It is our expectation that the student competition will become a tradition at future AIH conferences, and that many of these outstanding young hydrologists will eventually become registered professionals.

—Miguel A. Medina, Jr.

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The AIH *Bulletin* is the official publication of the American Institute of Hydrology, 2499 Rice St., Ste. 135, St. Paul, MN 55113, Tel. (651) 484-8169, Fax (651) 484-8357, E-Mail: <AIHydro@aol.com>, Web Page: <www.aihydro.org>. Material published in this newsletter may be reprinted with proper attribution. AIH is a professional organization providing certification of competent professionals, in *all* fields of the hydrologic sciences. The Institute is dedicated to the advancement of hydrology and hydrogeology as a science and profession, and to the professional education and advancement of its members. Contributions and articles of interest to the general membership of AIH are welcomed and should be submitted to the AIH office. Advertisements should also be submitted to the AIH office.

Advertisement Rates are as follows:

SPACE	RATE	SIZE
1 page	\$500	9½ x 7½"
1/2 page (1 column)	\$250	9½ x 3½"
1/2 page (1 banner)	\$250	4½ x 7½"
1/4 page (1/2 column)	\$110	4½ x 3½"
1/8 page (1/4 column)	\$ 55	2¼ x 3½"

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9th Annual Kansas Hydrology Seminar

The 9th Annual Kansas Hydrology Seminar was held on November 17, 2000 in Topeka, Kansas. The seminar was held under the joint sponsorship of the Kansas Section of the American Institute of Hydrology (KS-AIH) and the Kansas City/Omaha Section of the Association of Engineering Geologist (KC/Omaha-AEG). The first such seminar was held in Lawrence, Kansas in the late-1980's and had an attendance of approximately 15 persons. The seminar has since been held in Topeka and has grown substantially over the years. Attendance in recent years has ranged from 40 to 60 persons. This time nearly 70 persons from local, state, and federal government agencies, academia, and private consulting participated.

Ten technical papers were presented on a wide range of ground and surface water hydrologic topics. These included the relationship between ground and surface water requirements in achieving sustained use in Kansas, real-time water quality monitoring data that is now available on the internet from the USGS, revision of flow frequency data on the Missouri River system by the U.S. Army Corps of Engineers to take such recent data as the Great Flood of 1993 into account, remediation of a ground water contaminant plume from a landfill passing under the Arkansas River at Wichita, and modeling of flow near horizontal wells.

David Pope, the State's Chief Engineer in charge of the Division of Water Resources, Kansas Department of Agriculture, was the luncheon speaker. He spoke on recent developments within the Division of Water Resources and provided an update on Kansas Water issues, including interstate litigation between Kansas and Colorado over the Arkansas River and Kansas, Nebraska, and Colorado over the Republican River. The seminar was led by Dr. Gilbert M. Zemansky (92-HGW-970, President, KS-AIH) and moderated by Mr. Carl E. Nuzman (84-HG-385, Vice-President, KS-AIH) and Mr. John Caoile (Chairperson, KC/Omaha-AEG). Mr. Rick A. Nusz (92-HG-992 and 98-H-1487, former President, KS-AIH) was also instrumental in contributing to the success of the seminar. Business meetings were held at the end of the seminar by both the KS-AIH and KC/Omaha-AEG. The next seminar was scheduled for November 16, 2001, in Topeka. Please call if you have any questions about this report or would like additional information.

—Gil Zemansky

News of AIH Members

John E. Moore (82-HG-121) The International Association of Hydrogeologists (IAH) accorded the title of Honorary Member to Dr. John E. Moore at the General Assembly held on November 28, 2000 at Cape Town, South Africa. It signified Dr. Moore's 40 year career span as a research hydrogeologist, manager, consultant, and teacher. Dr. Moore is a charter member of AIH and has served on the Executive Committee and served as President from 1989-1991.

Rameshwar S. Kanwar, (95-HWQ-1123) Dr. Kanwar received an honorary doctorate degree for his scientific contributions to the Georgian State Agrarian University in Tbilisi, Georgia, at the awards ceremony held in October 2000. Dr. Kanwar has been a member of AIH since 1995 and continues as Director at the Iowa State Water Resources Research Inst. in Ames, Iowa.

William E. Wilson (91-HG-923) and John E. Moore (82-HG-121) are the Editors of the AGI publication, *Glossary of Hydrology*. It is published by the American Geological Institute and can be ordered online at <www.agiweb.org>

2001 AIH Annual Meeting and 20th Anniversary

Hydrologic Science: Challenges for the 21st Century

October 14 —17, 2001

The 2001 Annual Meeting Organizing Committee would like to remind you about the information reported in the previous newsletter, and to inform you of our recent progress. We have selected the conference hotel, developed many of the themes for programs and sessions, and begun to identify program chairs, sponsors and speakers. We will hold the 2001 Annual Meeting October 14-17 at the Thunderbird Hotel in Bloomington, Minnesota within walking distance of the Mall of America, and close to the Minneapolis-St. Paul airport.

The technical program for the 2001 Meeting is well underway. The themes of the program are:

- **20th Anniversary Celebration**
- **The Role of AIH in Strengthening the Hydrologic Profession**
- **Status of Surface Water and Ground Water Quality**
- **The Role of Hydrologic Science in Establishing TMDL's**
- **The Role of Hydrologic Science in Watershed Management**
- **Flood Control, Water Quality and Ecological Issues for the Upper Mississippi and Minnesota Rivers**
- **Ground Water Challenges in the 21st Century**

At the 2000 conference in North Carolina the organizers held the first student paper competition ever held at an AIH conference. A student paper competition will also be on the schedule of events for the 2001 conference. The competition at the North Carolina meeting was found to be of very high quality, and the competition was very sharp. We expect a similar level of program of the 2001 conference.

Sponsors for the 20th Anniversary Annual Meeting presently include:

- * American Water Resources Association
- * Minnesota Ground Water Association
- * American Society of Agricultural Engineers
- * U.S. Geological Survey – Moundsview Office
- * U.S. Army Corps of Engineers – St. Paul District Office
- * U.S. Environmental Protection Agency
- * American Ground Water Trust
- * Department of Biosystems and Agricultural Engineering, University of Minnesota

Keep in mind that participation in the 2001 AIH conference you can acquire some of the continuing education credits necessary to meet current professional registration requirements in engineering and geology. Information on the number of continuing education credits that one can acquire at the conference will be published on the conference web page and in

later newsletters. Participants will also be provided with a list of these credits at the time of registration for the conference.

Conference Web Page:

The web page for the 2001 AIH Annual meeting can be found by going to the AIH homepage <www.aihydro.org> and then following the links given. The web page is still under construction but it is operable at present and you will see items added to it frequently as the planning draws to conclusion. The web page is maintained by Deb Hansen in the Dept. of Biosystems and Agricultural Engineering at the University of Minnesota.

Conference Proceedings:

The American Institute of Hydrology will publish selected papers in the *Hydrological Science and Technology Journal* after a regular peer review process.

Exhibits:

The Exhibit Hall is always one of the highlights of the Annual AIH Meeting. We are inviting exhibitors who can present hydrologic instrumentation, data, software, training, supplies, and support. Presenting the tried and true and the cutting edge, the exhibitors will be on hand to assist you as professionals working in the hydrologic sciences..

The Venue:

The plenary session, 20th Anniversary special sessions, and concurrent technical sessions will be held at the Thunderbird Hotel and Convention Center.

It is located 4 miles from the Minneapolis/St. Paul International Airport and provides the participants with 24-hour complimentary airport shuttle. It is conveniently located on Interstate 494 at 2201 E. 78th Street in Bloomington, Minnesota. For participants driving to the conference, parking is available and complimentary.

The Hotel greets you with a unique museum collection of Native American curios and relics. The "Totem Pole" Dining Room provides a relaxed atmosphere for dining and entertainment, the "Pow Wow" Cocktail Lounge has a warm atmosphere and authentic Native American décor. The Hotel's "Bow & Arrow" Coffee Shop serves all meals each day and has homemade soups and daily specials. The hotel guests can enjoy the pool complex, with a sauna and whirlpool amidst a tropical climate-controlled setting.

The Mall of America, with over 400 specialty shops, offers something for everyone and is just two blocks from the hotel. Complimentary shuttle rides to the Mall of American are available.

A block of sleeping rooms is being held for participants of the AIH conference at \$90 single or double along with 20 rooms reserved at the government rate.

Membership Activity

Applications Received

Donna Jo Pridmore, RKL Hydro, Inc., Kalispell, MT (1561-HG)

Dr. Paul T. Gremillion, Consultant, New Orleans, LA (1562-H)

Dr. Bruce N. Wilson, Univ. of Minnesota, St. Paul, MN (1563-AHWQ)

Dr. Joel W. Toso, Polaris Group, Inc., Bloomington, MN (1564-HGW)

Dr. Mary P. Anderson, Univ. of Wisconsin, Madison, WI (1565-HG)

M. Hagan Wagoner, ARCADIS Geraghty & Miller, Inc., Atlanta, GA (1566-HIT)

Dr. Lindell E. Ormsbee, Univ. of Kentucky, Lexington, KY (1567-H)

New Members

Boyce L. Clark (00-HG-1536)

T. Todd Menees (00-HGWIT-015)

New Student Members

Amy M. Santiago, Univ. of Minnesota, St. Paul, MN (311-S)

Paul A. Roelle, N. Carolina State Univ., Raleigh, NC (312-S)

Jeremy A. Pavlish, Univ. of Minnesota, St. Paul, MN (313-S)

Jennifer R. Oknich, Univ. of Minnesota, St. Paul, MN (314-S)

Mario B. Siqueira, Duke, Univ., Durham, NC (315-S)

In Memoriam

Ernest H. Boswell, (85-HG-523), passed away on November 16, 2000. Mr. Boswell had been a member of AIH since 1985. He informed us that effective September 1999 he was 80 years old and had spent 50 years working in hydrology. He spent 34 years working with the U.S. Geological Survey, 5 years with the U.S. Army (in the 1950s) and finally with the Mississippi Dept. of Environmental Quality.

Dr. Valentin M. Goldberg, (91-HG-960), passed away February 15, 2000. Prof. Goldberg primarily studied and worked in the area of groundwater pollution by organic pollutants and petroleum products,

and toxic waste disposal in deep aquifers. He developed methods for predicting pollutant spreading in groundwater and variation in water quality in water intakes.

New Addresses and Address Changes

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Watch the Website for the 2001 AIH Anniversary Meeting Info
<<http://www.aihydro.org>>

AIH Website

The AIH website, at www.aihydro.org, is under reconstruction. Over the next several months you will notice several significant improvements to our website. The site should be a useful source of information because it may be the first point of contact for new members.

We, as always, welcome your comments and suggestions. Check the website frequently to see our improvements and to stay current with the activities of AIH.

<www.aihydro.org>

Award Nominations Sought

The AIH Award Committee is soliciting nominations for the **R.K. Linsley Award**, **C.V. Theis Award**, and the **Founders Award** for 2001. Please submit your nominations to the AIH office at <AIHydro@aol.com>, by fax at (651) 484-8357, or by mail to AIH, 2499 Rice St., Ste. 135, St. Paul, MN 55113 by February 15, 2001. These awards will be presented at the 20th Anniversary and Annual Meeting, October 14-17, 2001 in Minnesota.

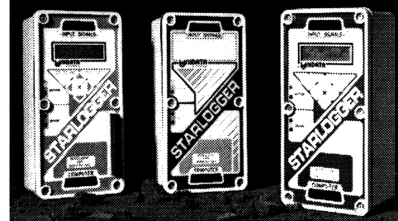
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