
BULLETIN

Spring 2001 "American Institute of Hydrology, the Society for Registered/Certified Hydrologists and Hydrogeologists" Volume 19, Issue 1

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 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

Jennifer M. Bushur, Student, Univ. of Montana, Missoula, MT (1568-HIT)

Joel W. Toso, Polaris Group, Inc., Bloomington, MN (1569-H)

Valarie Ann Swick, Flood Control District of Maricopa County, Phoenix, AZ (1570-H)

New Student Members

Justin Ramsey, Northern Arizona Univ. Flagstaff, AZ (316-S) (S. Nix)

Toni G. Pennington, Portland State Univ., Portland State Univ., Portland, OR (317-S) (R.W. Koch)

New Members

Marcel K. Tchaou (01-H-1537 and 01-HGW-1538)

Xiaoyang Zhan (01-HGW-1539)

Joseph M. Dorava (01-H-1540)

Julie K. Sueker (01-H-1541)

John J. Lee (01-H-1542)

Gregory F. Kacvinsky (01-H-1543)

Gary D. Moore (01-HG-1544)

Paul T. Gremillion (01-H-1545)

Donna Jo Pridmore (01-HG-1546)

Bruce N. Wilson (01-H-1548)

New Members Addresses

Joseph M. Dorava, Project Manager, Viebicher Associates, Inc., 400 Viking Dr., P.O. Box 379, Reedsburg, WI 53959, Tel. (608) 524-6468, Fax (608) 524-8218, E-Mail: jdor@vierbicher.com (01-H-1540)

Dr. Paul T. Gremillion, Environmental Engineer, 2408-A Magazine St., New Orleans, LA 70130, Tel. (304) 269-9767, E-Mail: plgrem@aol.com (01-H-1545)

Gregory P. Kacvinsky, Engineer, Ayres, Lewis, Norris & May, Inc., 3959 Research Park Dr., Ann Arbor, MI 48108-2219, Tel. (734) 761-1010, Fax (734) 761-1200, E-Mail: gkacvinsky@ainm.com (01-H-1543)

John J. Lee, Project Engineer, Pentacore Engineering, 6763 W. Charleston Blvd., Knoxville, TN 89146, Tel. (702) 258-0115, Fax (702) 258-4956, E-Mail: jiangli@aol.com (01-H-1542)

Gary D. Moore, Senior Geologist/Hydrogeologist, ERM Southwest, 3501 No. Causeway Blvd., Metairie, LA 70002, Tel. (504) 831-6700, Fax (504) 831-6742, E-Mail: gmoore@ermsw.com (01-HG-1544)

Frank S. Mueller, Graduate Student, Dept. of Chemistry, Univ. of Victoria, P.O. Box 3065, Victoria, British Columbia V8N 6K8 Canada, Tel. (250) 721-7152, Fax (250) 721-7147, E-Mail: fmueller@uvic.ca (01-AHWQ-098)

Donna Jo Pridmore, Staff Hydrogeologist, RLK Hydro, Inc., 484 N. Main St., P.O. Box 1579, Kalispell, MT 59903-1579, Tel. (406) 752-2025, Fax (406) 257-4125, E-Mail: rikhydro@digisys.net (01-

HG-1546)

Dr. Julie K. Sueker, Hydrologist, Exponent, 4940 Pearl East Circle, Ste. 300, Boulder, CO 80301, Tel. (303) 444-7270, Fax (303) 444-7258, E-Mail: suekerj@exponent.com (01-H-1541)

Dr. Marcel K. Tchaou, Principal, The Louis Berger Group, Inc. 30 Vreeland Rd., Bldg. A, Florham Park, NJ 07932 Tel. (973) 678-1960 x784, Fax (973) 672-4284, E-Mail: mtechaou@louisberger.com (01-H-1537/01-HGW-1538)

Dr. Joel W. Toso, President, Polaris Group, Inc., 8200 Humboldt Ave So., Ste. 302, Minneapolis, MN 55431, Tel. (952)881-0878, Fax (952) 881-0023, E-Mail: jtoso@polarisgroupinc.com (01-HGW-1547)

Dr. Bruce N. Wilson, Professor, Dept. of Biosystems and Agricultural Engineering, Univ. of Minnesota, 1390 Eckles Ave., Rm. 205, St. Paul, MN 55108, Tel. (612) 625-6770, Fax (612) 624-3005, E-Mail: wilson@umn.edu (01-H-1548)

Dr. Xiaoyang Zhan, Research Scientist, Kansas Geological Survey, 1930 Constant Ave., Lawrence, KS 66047, Tel. (785) 864-2173 , Fax (785) 864-5317, E-Mail: zhan@kgs.ukans.edu, (01-HGW-1539)

AIH Website

The AIH website, at www.aihydro.org, has been significantly improved. The following has been done to provide:

- ready access of information for our members
- a source of information and our application to prospective candidates
- students with information on our certification program and career planning
- a window for our state sections to announce their activities and to network with other sections
- information on current activities and upcoming events

We think you will find the new site to be useful source of information. We plan to keep it dynamic and up to date, so it will be of constant value to our viewers. But most importantly, we want the site to be the first point of contact and access to information by students and new candidates.

We, as always, welcome your comments and criticism. Check the website frequently to see our improvements and to stay current with the activities of AIH. We urge you to participate by using the web page for calendar information and for section and student activities. Send in information for our "Hot Topics" page. Messages can be sent to either <AIHydro@aol.com> or the Web Manager <alaenen@earthlink.net>

—A. Lainen

President's Message - Cont. from Page 2

3. Education and Training: On an annual basis AIH holds a conference. Is that the best way to promote interdisciplinary experiences and communication? How much is AIH being benefited by such conferences? Should AIH provide opportunities for professional development? What are the challenges of hydrology these days that AIH can help meet?

4. Policy: What are the needs of the hydrology profession in practice, education or research? What is the AIH policy in this regard? Should we be more proactive in commenting on government policy as related to hydrology? Should AIH champion the cause of hydrologic practice and strive to be the leading voice?

5. Relationship with other Associations: What is so distinct that only AIH offers and nobody else? How best can we interface with our sister organizations in the United States and abroad? Do we need an American Hydrology Society or North American Hydrology Society? Should we not be the leading hydrology organization?

6. National/State Structure: Is AIH meeting local needs? Do we need local chapters, state sections or regional sections? What can AIH do to promote these chapters/sections?

7. Students: What are we doing to bring students in AIH? Are we involving students in AIH as much as we should? What can AIH do to entice students into the hydrology profession?

8. Internet: How can we best use IT to promote AIH and its objectives?

In the next few months, the Executive Committee will be deliberating on these and other issues. We will be calling upon some of you for assistance. It is your institute and we are here to serve you. We do not have all the answers but together we can make a difference. We would welcome your active involvement in the institute activities. Any input you may want to offer would be most welcome. Please let me or any of the committee members know your views on the aforementioned issues or any other item. I can be reached by e-mail at: cesing@lsu.edu or by phone at: (225)-578-6697 or by fax at: (225)-578-8652. I am looking forward to having a continuing dialog with you.

—Vijay P. Singh, President, AIH

Request for Qualifications State Coastal Conservancy Oakland, California

The State Coastal Conservancy anticipates a need for environmental consulting services over the next twelve months including architectural and landscape architectural services.

The California State Coastal Conservancy seeks Statements of Qualifications from individuals and firms providing these services. A Statement of Qualifications is a profile on your firm stating what types of projects your firm has done, what areas your firm specializes in, and in what geographic areas your firm has done work. All information received will be put into data base form, and kept on file for one year. This information will be used by Conservancy staff in the event of soliciting services for upcoming projects.

The Conservancy acts to preserve, restore and enhance California's coastal resources and to solve land use problems on the coast and around San Francisco Bay. The conservancy undertakes projects in the following areas; 1) public access (e.g., trails, bridges, whole access, parking, recreational and interpretive facilities); 2) urban waterfronts revitalization, shoreline facilities; 3) resources enhancement (e.g., restoration and enhancement of wetlands and endangered species habitats); 4) coastal restoration (e.g. lot consolidation; transfer of development rights; coastal land acquisition; 5) agricultural land preservation (e.g. acquisition of interests in coastal agricultural land and resolution of problems). We are soliciting consultants in the following areas: land surveying and mapping; civil and hydrological engineering; geotechnical assessment, structural analyses; pre-project feasibility and analyses; economic analyses; hazardous or toxic substance investigation; wetland assessment; archaeological studies; environmental documentation and assessment under the California Environmental Quality Act; botanical studies; agricultural studies; soil analyses; biological investigation; site planning; design review; and other program related environmental services.

For further information, please write to Anthalena James, State Coastal Conservancy, Contracts Unit, 1330 Broadway, Ste. 1100, Oakland, CA 94612-2530.

- Advertisement

Invoices for 2001

The invoices for 2001 have been sent out. They were mailed out with first-class postage so if the Post Office can forward it they will. If you see that the information was forwarded to you, please be sure to update the information when returning it with your payment. We would be grateful if you would remember to keep us updated as a move occurs. Please pay promptly.

Members in the News

Sonia M. Jacobsen (746-H) U.S. Dept. of Agriculture, Natural Resources Conservation Service, St. Paul, MN has been named a Top 10 Finalist in the National Society of Professional Engineers' (NSPE) 22nd Annual Federal Engineer of the Year Award Program. This award program recognizes outstanding engineers employed in the federal government. Ms. Jacobsen is nationally recognized as an expert in the emerging field of wetland hydrology and has collaborated with other experts nationwide to develop and publish procedures that can be used by engineers to predict the impact of drainage activities on nearby wetland.

In Memoriam

Vladimir Straskraba (116-HG), One of the first 22 AIH members, certified in 1982, Vladimir Straskraba, died suddenly on January 24, 2001, at the age of 66. He was the President of Hydro-Geo Consultants in Littleton, Colorado. Vladimir was a graduate of the School of Mines, Ostrava, Czech Republic, and immigrated to the U.S. in 1975. He was the foremost expert on mining hydrogeology, especially coal mining, whose expertise was sought by many mining companies and governments from the U.S., Europe, Asia, and Africa. He served on several AIH committees, and helped organize the 1995 Annual Meeting in Denver. He was also one of the founders of the International Mine Water Association.

OREGON SECTION

The Oregon section has continued to be active organizing student activities in several universities in Oregon and developing education programs with local schools and agencies. Since 1984, the section has also provided the region with a forum to have meetings where local water-related issues and programs can be discussed. This article is written to encourage membership to become more active at the grass-roots level. Our importance as an institute and our continued existence is dependent on education of good hydrologic principles and ethics.

Student Chapters

There are two active AIH student chapters in Oregon – at Oregon State (OSU) and Portland State (PSU) Universities. They both have web sites that identify hydrology curriculum and chapter activities. There are many participants but not all are AIH student members. Student membership, however, is on the increase. We are also encouraging Faculty to become AIH members. Faculty and AIH membership have developed a Hydrology Certificate program at PSU that parallels AIH certification education requirements. The intent of the program is to have those participating students (currently about 10) that desire HIT status within AIH take the Part I test when they complete their program. At OSU the AIH Chapter is also affiliated with the American Water-Resources Association (AWRA.) Both PSU and OSU chapters have sponsored field trips and seminars. There have been two field trips attended by both chapters and also attended by students from other colleges. The PSU chapter frequently attends brown-bag seminars sponsored by the USGS in Portland, and chapter members have given presentations. There have been several hydrology related seminars sponsored by both student chapters, and the PSU chapter is currently doing a series of panel discussions on hot water related issues in the area.

- * OSU Water Resources (academic site):
<http://osu.orst.edu/dept/owrri/hydprog.html>
- * Hydrophiles (OSU student chapter site):
<http://osu.orst.edu/groups/hydro/>
- * PSU Certificate program in Hydrology:
<http://www.esr.pdx.edu/enviro/hydrologyframes.html>
- * PSU student chapter web site:
<http://www.esr.pdx.edu/psu-aih>

Public Education

Locally we have been working with two public organizations to develop water-related information displays. In Resources Education Center (WREC), a facility operated by the City of Vancouver at their sewage treatment campus. At this location, we have a physical display showing a map of the Columbia River, photographs of how water measurements and samples are made, and a computer that has an on-site, inter-connected Internet program called "Pulse of the Columbia River". This program can also be activated from the AIH web site. After a year, the program still has several pages under construction (no information), especially in the area of river biology. The program can always use additional information and links, so anyone is welcome to provide the AIH web manager with input. In Portland OR, we are advising the Oregon Museum of Science and Industry (OMSI) regarding an outside display to be placed on a promenade along the Willamette River. The display will be called "River Walk", and will consist of historic overview/river development, river biology/quality, flooding/stage/tides, and shipping/navigation.

Regional Conferences

We have organized eight regional conferences (and one national conference) since 1984. These have been through our singular effort and with joint efforts primarily with the Oregon Water Resources Research Institute. We have consistently drawn 200-250 participants and had a record participation of 360 at one of our conferences. In 1996 we published a conference proceedings on the February 1996 floods in the Pacific Northwest and have distributed about 600 copies. Last year we opted to work with AWRA at their national meeting in Seattle, where we organized one of the conference sessions. We are currently planning a 2-day conference for April 2001 that will discuss regional issues and programs in the Willamette River basin. This time, the local chapter of AWRA is helping us, and we will share sponsorship of the meeting. The conference will be held at the WREC facility in Vancouver WA, which has a large meeting room that can hold 200 people and has adjoining kitchen facilities. The facility is free for any water-resources related activity.

—A. Laenen

Remember the Alamo

Did you know that AIH receives a commission for all member rental of vehicles through Alamo Rent A Car? A 24-hour reservation is required and they can be made by calling **1-800-354-2322** and request your membership I.D. No. as **93394** with the rate Code **BY**.

Minnesota Section

The Minnesota section has continued to be active organizing monthly luncheons with a variety of interesting presentations. It is the third largest state section of the American Institute of Hydrology with a large student membership. Minnesota student members constitute about 25% of all AIH student members.

Last year several of the section members got involved in the activities of the organizational committee of the 2001 Annual Meeting of the American Institute of Hydrology and the 20th Anniversary - Hydrologic Science: Challenges for the 21st Century. Dr. John L. Nieber, the section's Vice President and Past President, will serve as the Conference Chairman.

During the luncheon meetings participants sign the list of attendance that includes all the information necessary to document the continuing education effort. A copy of the signed list can be used then to earn professional development hours and continuing education units. Contact us to receive a copy of that list/sheet.

Following is the listing of the 2001 presentations planned for the Minnesota Section luncheons:

February 21, 2001, Joseph J. Dlugosz, Senior Research Hydrologist with the USEPA, Mid-Continent Ecology Division. "EPA's TMDL Programs".

May 2001, Joseph J. Dlugosz will come and discuss, "EPA's EMAP Programs".

Current and past officers include: current President, Peter A. Rzepecki, current Vice President, John L. Nieber, past President (1996-1998) Jeffrey D. Stone, past President, (1994-1996) John L. Nieber.

—P. Rzepecki

Other Organizations Short Courses/Conferences

Fundamental of Conservation of Water and Related Land Resources, March 15-16, 2001, Arlington, VA. Inst. Peter E. Black. Contact: AWRA, <www.awra.org>, Tel. (540) 687-8395.

Conjunctive Use Conference, April 2001, Ontario, CA. Contact: American Ground Water Trust, <agwtHQ@aol.com>, Tel. (603) 228-5444

CWRA BC Branch 2001 Conference, May 8-11, 2001, in Whistler, British Columbia. Contact: BC Branch of the Canadian Water Resources Association (CWRA), <s_jouce@hayco.com, Tel. (604) 875-6391.

International Affairs

In 1999, the membership voted to update the constitution and the bylaws of AIH. The changes included a new position, vice president for International Affairs. In 2000, the new Executive Committee was placed before you for a vote and the position became effective on January 1, 2001.

Part of the international affairs plan is to increase membership and build AIH sections in other countries. In order to develop this plan, we need your help. We need to ask the membership to send in names of colleagues working in other countries including their names, affiliations, addresses, and e-mail addresses with a brief description. It would be particularly helpful if you attach a personal note explaining his/her interest and willingness to promote our Institute and profession in his/her own country or continent. We are particularly interested to initiate this partnership in our backyard – the Americas.

Please help us develop the plan to reach our goal by sending this information to the AIH office at <aihydro@aol.com> or <kaniv001@maroon.tc.umn.edu> to Roman Kanivetsky, the Vice President of International Affairs. If you want to talk, please call Roman Kanivetsky at (612) 627-4780 ext.209.

—R. Kanivetsky

Institute Development

AIH is in the process of writing a Memorandum of Understanding, (MOU) with the American Ground Water Trust (AGWT). We feel this is going to be a win/win alliance that will give the AGWT access to our membership, and give us the much needed visibility with other organizations represented through the AGWT. Our strategy is to work with the state chapters to support AGWT/AIH activities and make sure that AIH is represented at these conferences. First up will be AGWT's, Conjunctive Use Conference in Ontario, California, in April 2001, followed by the Alluvial Aquifer Conference in Chicago. We will be contacting the California and Illinois Chapters to support our presence at these meetings. The AGWT will be a co-sponsor of the upcoming fall meeting and will be giving a short course for 1/2 day on the Sunday, October 14th. We hope that this will draw additional folks to our meeting as well as give us increased visibility.

On the international scene, we have only one member in Mexico, whereas the International Association of Hydrogeologists (IAH) has approximately 70 members. So let's think south of the border for 2001 and try and recruit our Mexican colleagues. The US and Mexico are focusing more on related environmental and energy issues so this could be a good time to show our colors. I'll be sending letters to all the chapters in early March to outline our recruitment strategy for 2001.

—J.J. Dlugosz

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Label

Look for the 2001 Annual Meeting program and International Conference on our website:
<www.aihydro.org> and press the meetings button

Date for Abstracts for the 2001 Conference has been Extended

The date for submitting abstracts for either an oral or poster presentation has been extended to

May 15, 2001

Send in an abstract by that date to the AIH office by E-Mail: <AIHydro@aol.com>, to the General Chairman, J.L. Nieber, <nieber@gaia.bae.umn.edu>, or to the Technical Program Chairman, B.N. Wilson, <wilson@umn.edu> (preferred method), by Fax (651) 484-8357 or by mail: AIH, 2499 Rice St., Ste. 135, St. Paul, MN 55113-3724.

The theme of the conference highlights hydrology and hydrogeology, water quality, water resources, planning and management, as well as ecology, environment and human health. Other information can be found listed on page 1 of this newsletter. Student papers are encouraged, and a student paper competition will be held. The winner will be awarded a cash prize and the student and advisor will be recognized at the AIH Business Luncheon.

Send in an abstract and use this opportunity to exchange information and develop contacts with other colleagues throughout the world.

The meeting will be held October 14-17, 2001 at the Thunderbird Hotel, Bloomington, Minnesota.

**UNIDATA
AD**