



Illinois Groundwater Association Newsletter

Volume 23, No. 1

Spring 2007

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FROM THE CHAIR

Groundwater is getting a lot of attention these days. In January 2006, Governor Blagojevich issued [Executive Order 2006-01](#) in which he called for the development of a comprehensive program for state and regional water supply planning and management. The following July, he provided money in the form of a 3-year budget initiative that would enable the Office of Water Resources within the Illinois Department of Natural Resources, together with the Illinois State Water and Geological Surveys, to provide the necessary leadership and technical support to bring this program to life. The budget initiative also provided funding to help pay for the creation and management of two new Regional Water Supply Planning Groups (Regional Groups) to create the grass-roots participation that will be necessary for successful implementation. The Regional Groups have the responsibility for addressing the planning of all water resources within their region.

Based on previously identified water resource priorities, the Northeast Illinois Region was defined to include Boone, Cook, DeKalb, DuPage, Grundy, Kane, Kankakee, Kendall, Lake, McHenry, and Will counties. Participation in this region was based on the expanding metropolitan Chicago area and the associated groundwater and surface water resources. The deep bedrock aquifer system and the water resources within the Fox River Basin were identified as the resources receiving initial study and analysis by the Surveys.

The East-Central Region was defined around the Mahomet Aquifer system and includes Cass, Champaign, Dewitt, Ford, Iroquois, Logan, Macon, Mason, McLean, Menard, Piatt, Sangamon, Tazewell, Vermilion and Woodford counties. In addition to the characterization and analysis of groundwater within the Mahomet Aquifer system, additional scientific work will evaluate the surface water resources within the Sangamon River Basin.

The Regional Groups are established and are starting to make progress. Both Regional Groups are composed of individuals representing different water-use sectors or interest groups. In addition to getting up to speed on the size and nature of the problem they are facing, one of their first major goals will be to guide the development of water demand forecasts out to the year 2050. These demand estimates will then be used by the Water Survey to assist in identifying regional supply and demand concerns. There is a lot of learning going on to move this process forward and a general awareness by all involved that this will be a process that makes gains incrementally and over many years.

Spring 2007 Illinois Groundwater Association Newsletter

FROM THE CHAIR (CONTINUED)

The Illinois State Water and Geological Surveys are cooperating on the development of a web site that will serve as an important source of information for this Initiative. This site will be hosted by the [State Water Survey](#). The site is almost ready, as of this writing, and will likely go live sometime in March or early April. I encourage you to look for this Water Supply Planning site, and to review it when you have the time. This Initiative is an opportunity for hydrogeologists and groundwater hydrologists in Illinois to play an important role in making real progress towards protecting this vital resource.

The success of this Water Supply Planning Initiative will depend largely on sound science, good communication, cooperation and participation. I encourage all IGA members to become aware of this effort and participate in any way you can. The Surveys will be providing some education to the members of the Regional Groups on relevant technical issues. The educational needs of other local government agents and members of the public are too large to be met by Survey staff alone. I encourage you to become active in this Initiative and volunteer your time and expertise to outreach and extension on any topics you feel qualified. There's lots of work to do!

Donald A. Keefer
Illinois Groundwater Association 2007 Chair

SPRING 2007 MEETING - MARCH 28 IN URBANA

The Spring 2007 IGA meeting will be held Wednesday March 28, 2007 at the University of Illinois' [Levis Faculty Center](#). Historically, Illinois universities have been excellent hosts for IGA meetings since they provide top-notch facilities, a variety of accommodations, and outstanding services. The IGA meeting will have a morning snack and coffee, a lunch buffet, and an afternoon snack. Registration starts at 8:30 am. The provisional agenda for the meeting is on page 13 of this newsletter, and you'll notice we've scheduled some decent sized breaks to allow ample time for discussions with colleagues.

Levis Faculty Center is conveniently located at 919 W. Illinois Street, Urbana, (217) 333-6241, on the East entrance to the University of Illinois at Urbana-Champaign (UIUC). With 3 major interstates (I-57, I-74, I-72) running through town, Levis Faculty Center is easily accessible from all directions. Whether you live in Chicago, St. Louis, Indianapolis, or you live in the area, Levis Faculty Center is easy to find. The Center's website has detailed [directions](#) and information about [parking](#), which can be tight. Metered spaces (\$0.75/hr) are available near the Center, and to park from 8 am to 5 pm, you'll need \$6.75 in coins.

Accommodations are available at the [Illini Union](#) on campus. Other lodging options are listed on the [Champaign County Visitor's Bureau](#) website.

Lunch will be catered and is included in the cost of the conference. If you have any special dietary needs please contact the IGA at least three days in advance of the meeting. Additional registration information is given on page 12.

Please share this announcement with your colleagues. We would love to see them, too!

IGA NEWS

FALL 2006 IGA STUDENT RESEARCH GRANT RECIPIENTS

The IGA is now awarding student research grants twice per year – spring and fall – to better accommodate students as they progress through their research projects. Our last open solicitation for grant proposals was through October 2006, but *the IGA received no requests for financial assistance.*

The funds set aside for fall 2006 student grants have been rolled over for spring 2007. Our guidelines for application are straightforward (see the description, below), and we encourage students to apply.

2007 IGA STUDENT GRANTS

A primary goal of the Illinois Groundwater Association is to foster scholarship in the science of groundwater. One way we support this effort is through our IGA Student Research Grant Program, and the IGA is pleased to devote our entire yearly surplus from dues or meeting fees (less a small amount to keep the IGA going) to student grants. Student grant applications are accepted in the spring and fall of each year. The IGA awards one to three grants (typically \$150 to \$500) in the spring and fall each year to help support student research in groundwater in Illinois. Any undergraduate or graduate student registered for full- or part-time study at an accredited college or university in Illinois is eligible to apply. **The application deadline for the spring grant period is April 27, 2007** and we encourage any eligible student to submit their applications early. Additional information can be obtained from the [student grants section](#) of the IGA website or from:

[Edward Mehnert](#)
IGA Grants Coordinator
Illinois State Geological Survey
615 East Peabody Drive
Champaign, IL 61820
217/244-2765 Fax 217/244-2785

IGA NEWS

FALL 2006 IGA MEETING AT NIU

Last fall, IGA held the Fall 2006 meeting at [Northern Illinois University](#) in DeKalb, Illinois. It is hard to believe it had been more than 4 years since NIU was gracious enough to host an IGA meeting, so it was high time we returned. We met in the Skyroom at the [Holmes Student Center](#), which had an outstanding view of DeKalb and the surrounding area. Our friends at the NIU [Department of Geology and Environmental Geosciences](#) handled all the details for us, and as expected the meeting went flawlessly. The technical program was exceptional and the [agenda and abstracts](#) are available from the meetings section of the IGA website.



2007 IGA DUES REMINDER

It is time to renew your membership for 2007. Please complete and mail your renewal information along with your registration fee to Danielle Wallin at the address below. IGA membership dues are \$15, and the student membership is \$5. Membership renewal for each calendar year is payable at the time of the Spring Meeting and is open to anyone interested in groundwater resources in Illinois. **Please make checks payable to the Illinois Groundwater Association.**

COST

Renew Membership	\$15	Name: _____
New Membership	\$15	Position: _____
Student	\$5	Employer: _____
		Address: _____

		Phone: _____ Fax: _____
		E-mail: _____

Clip this form & mail or send via e-mail to:

[Danielle Wallin](#), IGA Secretary
Farnsworth Group, Inc.
2709 McGraw Drive
Bloomington, IL 61701
(309) 663-8435 Fax (309) 663-1571

IGA NEWS

IGA SPRING 2007 MEETING - CEUs FOR ATTENDEES

Continuing education units (CEUs) are required for many Illinois licensed professionals. The IGA is pleased to announce that our Spring 2007 program has been approved by the Department of Public Health as meeting the annual three hour training requirements for local health department water program personnel as specified in the Local Health Department Grant Protection Rules, Section 615.320 (c) 2. Interested Sanitarians only need attend and have an IGA officers sign their program agenda as proof of attendance.

Other professions also can use the IGA's meetings for CEUs. For instance, Illinois Professional Engineers (PEs) can also get CEUs by attending the IGA's meetings. Prior approval of the program by an Illinois official is not required. An Illinois PE can also get proof of attendance by having their program agenda signed by an IGA officer.

IGA INFORMATION POLICY

The IGA maintains a database of contact and operational information called the IGA master list. This list is for official IGA use only and is not sold to any entity. We occasionally receive requests from other groups and groundwater-related organizations (e.g., AIPG, Midwest Ground Water Conference planning committee, Illinois Association of Groundwater Professionals) for our contact data. It is the IGA's policy to only share mailing data (postal and/or e-mail addresses). Before such data may be shared, an agreement to the following conditions are typically arranged:

1. The requesting group will reciprocate and provide the IGA with a fully-functional, electronic copy of their contact data
2. The requesting group will never forward or sell the IGA data
3. The requesting group will use the data in a manner consistent with IGA's policy
4. IGA has reason to believe that the requesting group will honor IGA's requests as to the use of its data.

While the IGA Executive Committee (EC) need not formally approve requests, it is at the EC's discretion to honor or deny such requests as they see fit. In cases where any of those conditions may not be met or the requesting group is not known to the EC, the request will be denied. It is the intent of this policy to protect the IGA's contact data from careless distribution. An alternative to "list swapping" is for the group to submit the information to the IGA that it would like to distribute, and if the information is appropriate for our members and friends, the IGA may forward it either electronically or in print.

NOTICE TO IGA MEMBERS

Proposed Amendments of the By-Laws and Constitution

IGA members will be asked to vote on two proposed amendments at the Spring 2007 meeting in Urbana or by mail, one to the IGA By-Laws and another to the IGA Constitution.

Procedures for amending the IGA By-Laws and Constitution are covered in Article 8 of the By-Laws and Article 7 of the Constitution. Each article states, "Proposals for amendments...may be made at any time by the Executive Committee, or by written proposal from any member, submitted to the Executive Committee. Such proposals shall be reviewed by the Executive Committee, and the proposed amendment, together with the recommendations of the Executive Committee shall be submitted in writing to all members at least 30 days prior to the meeting at which such proposal is to be considered. ...[M]embers of the Association must approve a proposed amendment for it to be adopted. Members not present at the meeting may vote by proxy mailed to the Secretary." For By-Law amendments, a majority approval is required. For constitutional amendments, a two-thirds approval is required before adoption.

Two proposals were made by the IGA Executive Committee (EC) and the **EC unanimously recommends a yes vote to support both amendments**. Issue 1 relates to proposed increase to dues for professional members and Issue 2 relates to proposed removal of term limits for the Secretary and Treasurer offices. Both issues are more fully described below.

ISSUE 1: Proposed Dues Increase

Proposal: The IGA Executive Committee proposes to revise Article 1 of the IGA By-Laws to 1) increase dues for professional members from \$15/yr to \$25/yr. effective January 1, 2008 and 2) recognize that professional and student members pay different dues. If approved by a **majority** of the votes counted at the meeting, Article 1 of the By-Laws would be revised in it's entirety to state: "Effective January 1, 2008, annual dues for professional members are \$25.00. Annual student dues are \$5.00. Dues may be altered, as needed, during a regular or special meeting of the Association."

Background: The IGA was formed in 1983 to function exclusively for educational and charitable purposes. Dues structure was set forth in the IGA By-Laws and starting in 1984, professional dues were assessed on a calendar year basis at a rate of \$5/yr. That rate was increased to \$10/yr in 1990 and again to \$15/yr in 1995, but no revisions to the By-Laws reflect those changes. No increases in professional dues have occurred since 1995 and student dues have remained \$5/yr since 1984. The dual fee structure for professional and student members likely began in 1990, but that structure is currently not recognized in the By-Laws.

NOTICE TO IGA MEMBERS

Proposed Amendments of the By-Laws and Constitution (CONTINUED)

Justifications:

1. Annual dues for professional members have remained at \$15/yr since 1995, while the costs of conducting association business have increased.
2. A dues increase of \$10/yr is projected to provide an additional \$600 to \$900 annually for use in support of IGA programs. The additional funds would be applied toward an IGA educational or charitable priority. One priority could be decreasing student meeting registration fees to encourage greater student attendance.
3. A dues increase would generally increase IGA's ability to continue funding student research at the current rate of 2-3 grants per year up to \$500 each. Because the IGA seeks to advance groundwater knowledge, supporting research and training for future hydrogeologists is an integral activity. IGA grants are critical to the students who receive them. The IGA has distributed over \$9400 in grant moneys since 1987.
4. The By-Laws should be consistent with the business practices of the IGA and clearly state the current professional and student member dues rates.

ISSUE 2: Proposed Removal of Term Limits for Secretary and Treasurer Offices

Proposal: The IGA EC proposes to revise Article 5, Section 3 of the IGA Constitution to remove the term limits for the Secretary and Treasurer Offices. If approved by **two-thirds** of the votes counted at the meeting, Article 5, Section 3 would be revised as follows: "The Secretary and Treasurer shall be eligible to serve ~~not more than four consecutive~~ an unlimited number of one-year terms of office provided their duties are performed to the satisfaction of the Chair and they are elected each year pursuant to the By-Laws."

Background: The IGA is an all volunteer, non-profit organization that relies on its volunteer officers to conduct all business. Term limits are set forth in the IGA Constitution, Article 5, Section 3. When a Director is elected, he or she typically serves a two-year term on the Executive Committee. It is then common for the exiting Director to be nominated for Vice-Chair, and subsequently, Chair. During his or her time as a Director and Vice-Chair, an officer develops the knowledge necessary to function effectively as the Chair. The Secretary and Treasurer offices are not routinely part of such a progression, although they serve equally vital roles. They are required to acclimate quickly to the responsibilities of the offices which conduct most of the day to day business of the Association.

NOTICE TO IGA MEMBERS

Proposed Amendments of the By-Laws and Constitution (CONTINUED)

Justifications:

1. The Secretary and Treasurer are integral parts of the IGA Executive Committee. There is a current limitation on these officers serving more than four years in the same capacity. It is however desirable, assuming continued effective performance of the officers, that they be allowed to serve more than four years.
2. Allowing the Secretary and Treasurer to serve an unlimited number of one-year terms allows the IGA to benefit from the "institutional" knowledge of those officers. If they are unnecessarily forced out of office, the IGA loses a productive volunteer and is required to train another person to replace them.

HOW TO VOTE

Your vote is important in approving or disapproving of the proposed amendments. IGA members whose dues are current are eligible to vote. Issue 1 will need majority approval and Issue 2 will need two-thirds approval of the votes counted at the meeting for adoption. Votes will be counted on March 28, 2007 at the Association meeting in Urbana. You may fill out the ballot below and bring it to the meeting to be counted. Members who are unable to attend the meeting may cast an absentee vote by 11 am, March 27, 2007 via email, fax, or written letter to the IGA secretary, [Danielle Wallin](mailto:dwallin@f-w.com) at:

dwallin@f-w.com
Farnsworth Group, Inc.
2709 McGraw Drive
Bloomington, IL 61701
(309) 663-8435
(309) 663-1571 fax

AMENDMENT BALLOT Spring 2007

Name: _____

Issue 1: Dues Increase Yes _____ No _____
Issue 2: Term Limits Yes _____ No _____

The IGA Executive Committee recommends a **yes** vote on both issues.

GROUNDWATER SCIENCE AWARDS

The IGA Groundwater Science Awards Program recognizes Illinoisans who have made outstanding contributions to groundwater science in the spirit of the Illinois Groundwater Protection Act. For purposes of these awards, groundwater science is broadly defined to include research, education, consulting service, water well construction, or public service as related to the scientific management, protection, and/or in the utilization of groundwater.

The program was originally co-sponsored by the Illinois Groundwater Protection Education Program developed under the [Illinois Groundwater Protection Act](#), but is now solely led by the IGA. The IGA has presented two types of awards starting in 1993, and the list of honorees reads as a who's-who of Illinois groundwater professionals. The [achievement award](#) recognizes singular and life-long contributions to groundwater science, and the [public information/education award](#) is given to people or organizations that have fostered groundwater-related education in Illinois. IGA members and interested parties are welcome to recommend people, programs, or organizations for a Groundwater Science Award. Recipients are honored at one of the semi-annual IGA meetings.

Groundwater Science Awards for 2007

The IGA is pleased to announce that that two distinguished IGA members - Mr. William Dixon and Mr. Robert Sasman - have been selected to receive the *Illinois Groundwater Science Achievement Award* for their life-long service to the Illinois groundwater community.

Mr. Dixon and Mr. Sasman will be honored for their achievements during the Spring 2007 IGA meeting on March 28th in Urbana. A very brief summary of their accomplishments is below. Please join us in recognizing these two outstanding gentlemen!

Mr. William Dixon

Mr. William G. Dixon is celebrating his 49th year as a professional geologist in which he has focused on problems in engineering geology and hydrogeology. Bill started his career in 1958 directly after receiving his BS in Geology, and during this early part of his career he worked on construction engineering projects for companies such as Soil Testing Services, Harza Engineering, Layne-Western, Testing Service Corporation and Dames & Moore. During this time he went back to school part time and earned his Master's in Geology. After spending almost 20 years in construction engineering Bill joined the ISGS in 1975.

Bill staffed the ISGS's Northern Field Office and shared space with our other award recipient, Bob Sasman. During this time, Bill worked on a range of projects related to the geology and hydrogeology of Northeastern Illinois. He moved to the main Illinois State Geological Survey (ISGS) offices in Champaign in the mid 1980s, and during this time his primary responsibilities were projects related to the siting of the Superconducting Super Collider and the development of the state's landfill inventory.

GROUNDWATER SCIENCE AWARDS (continued)

Mr. William Dixon (continued)

In 1986, Bill moved back to Northeastern Illinois and oversaw the reopening of the ISGS Northern Field Office. In this capacity he worked on the new ISGS environmental site characterization program that was funded by the Illinois Department of Transportation. Bill worked in the Northern Field Office until his retirement from the ISGS in 1991.

Rather than step back and enjoy a relaxing retirement Bill resumed his professional career and has worked part time as a Senior Environmental Geologist at Practical Environmental Consultants since 1996.

Bill has always been very active with professional organizations, specifically the Association of Engineering Geologists, the American Institute of Professional Geologists, and the IGA (of which he was a founding member in 1983). Bill has been a key member of these organizations and has helped them grow and thrive through the years. One of Bill's more notable achievements has been his leadership in the Professional Geologist (PG) Licensing Act. In the early 1990's Bill was instrumental in getting the Professional Geologist Licensing Act passed in Illinois and he has served on the Professional Geologist Licensing Board since that time. He is currently the chairman of that board (for the second time). Bill's work in getting the PG passed in Illinois, in serving on the Licensing Board, and advocacy during the recent PG reauthorization (see the article on page 6 of the [Spring 2006 IGA newsletter](#) at the IGA website) reflects his commitment to strengthening the profession of geology and increasing the recognition of geological study as critical to addressing many societal problems.

Through his position on the state licensing board, Bill has also been an active member of the National Association of State Boards of Geology (ASBOG). He has served as Illinois' official representative to ASBOG ever since the state joined the organization and began using the ASBOG exams for licensing of geologists. Bill is currently the president of ASBOG, having served as Secretary in 2004, treasurer in 2005 and president-elect in 2006.

Congratulations, Bill! Thank you for your time, interest and contributions to the study of geology over the past 49 years!

GROUNDWATER SCIENCE AWARDS (continued)

Mr. Bob Sasman

Mr. Robert "Bob" Sasman celebrated more than 50 years serving the water industry in 2006. Bob started his water works related career with the Illinois State Water Survey in 1956. Bob's history with the Water Survey is legendary in Illinois where he served many years as the hydrologist in charge of the Northern Regional office. Bob's office was responsible for groundwater resource investigations and reports in northern Illinois, with an emphasis on the Chicago metropolitan area.

As part of Bob's career with the Illinois State Water Survey he devoted many hours to the study of the aquifers that provide drinking water to Chicago's collar counties. The deep sandstone aquifers and shallow groundwater resources are of vital importance to the large urban area that calls northern Illinois home. Through Bob's leadership and research many reports were developed that have provided the region with important information related to the aquifers. This information continues to be useful to communities in their evaluation of sustainable drinking water resources. Bob has authored or co-authored 37 publications regarding the water resources of Illinois. All of Bob's efforts have only become more important and relevant in recent years as the stress of continued growth in the region is observed in recent aquifer evaluations.

Bob has provided excellent guidance to a variety of professionals in the water industry. He has participated in conferences, seminars and symposiums related to groundwater for more than 20 professional and educational institutions throughout his career. He has presented his research on aquifer science and groundwater withdrawal rates at local, state and national levels. Many local colleges and state universities have also benefited from Bob's wealth of knowledge, as he has been an eager and active participant in teaching others about groundwater science.

Bob's career and life have been centered on strong beliefs in family, religion, friendships and a love for hydrology and groundwater science. He has displayed true professionalism in promoting groundwater science and his knowledge and determination has made him a true hero to his constituents in the water industry.

Spring 2007 Illinois Groundwater Association Newsletter

MEETING REGISTRATION

Please return a form for each person attending. Registration includes a continental breakfast, a catered lunch and afternoon refreshments. **If you aren't a member yet, become one for only \$15 and save over 30% on meeting registration!** To qualify for early registration, send this information to [Danielle Wallin](#) by Wednesday March 21st, 2007 by mail, e-mail, or fax (see information below). Make checks payable to the Illinois Groundwater Association if registering by mail, or pay at the conference if registering by email or fax. Early registration is encouraged.

<i>Early Registration (received by 3/21/2007)</i>	
Member:	\$40
Non-Member:	\$60
Student:	\$20
<i>Late Registration</i>	
Late Member	\$50
Late Non-Member	\$70
Late-Student	\$20

Contact Information

Name: _____
Position: _____
Employer: _____
Address: _____

Phone: _____ Fax: _____
E-mail: _____

IGA MEMBERSHIP

Annual dues are \$15 and membership is available to anyone interested in the groundwater resources of Illinois. Dues for each calendar year are payable at the time of the spring meeting. Send this information to Danielle Wallin (see information below). Please make checks payable to the Illinois Groundwater Association.

<i>Membership Dues</i>	
Renewal or New Member:	\$15
Student:	\$5
Send registrations and memberships to: Danielle Wallin Farnsworth Group, Inc. 2709 McGraw Drive Bloomington, IL 61701 (309) 663-8435 (309) 663-1571 Fax	

Contact Information

(if same as above, check here)

Name: _____
Position: _____
Employer: _____
Address: _____

Phone: _____ Fax: _____
E-mail: _____

Spring 2007 Illinois Groundwater Association Newsletter

Provisional Agenda Illinois Groundwater Association 2007 Spring Meeting March 28, 2007

Levis Faculty Center, University of Illinois, Urbana, Illinois

- 8:30-9:15 Registration
9:15-9:45 Opening Remarks, **Don Keefer**, IGA Chair

Morning Session

- 9:45- 10:15 **Kristine Karuhn**, *Northern Illinois University*, Impacts of High-Density Septic Systems on Surface and Groundwater Quality and Quantity
10:15-10:45 **Carol Fuller**, *Illinois EPA*, Review and Summary of Illinois Community Right-to-Know Legislation
10:45-11:15 **BREAK**
11:15-11:45 **Rick Cobb**, *Illinois EPA*, Demonstration of Illinois EPA Source Water Assessment Program On-Line Interactive Database
11:45-12:15 **Presentation of the 2007 Illinois Groundwater Science Achievement Awards to Bill Dixon and Bob Sasman**
12:15-1:45 **Lunch**

Afternoon Session

- 1:45-2:15 **Keith Hackley**, **Sam Panno**, *Illinois State Geological Survey* and **Thomas Anderson**, *Department of Geology, University of Illinois*, Groundwater Evolution in the Mahomet Aquifer: Implications for Recharge, Rock-Water Interactions and Mixing
2:14-2:45 **Ed Glatfelter**, *Illinois State Water Survey*, Governor's Executive Order 2006-01 and the Status of the Regional Water Supply Planning Groups
2:45-3:15 **Anirban Basu**, *Illinois State University*, Quantification of Flux of Nitrogen between Surface Water and Groundwater
3:15-3:45 Agency Report, Open Microphone
3:45-3:50 Closing Remarks: **Don Keefer**, IGA Chair
3:50 IGA Executive Committee Meeting