

# The Hydrogeologist

Newsletter of the  
GSA Hydrogeology Division

Winter 2016  
Issue No. 87



## 2015 Annual Meeting Review

The 2015 GSA Annual Meeting was held in Baltimore on November 1-4 2015. The meeting drew 7373 attendees, 450 of which were registered Hydrogeology Division members. The Division sponsored or co-sponsored 40 oral and poster sessions and held several other events throughout the meeting. As you can see in the picture to the top right, this was an appropriate convention center for hydrogeologists, seeing as they use the inverted triangle as part of their logo design.

The luncheon and awards ceremony was once again a popular event, with over 165 tickets sold. More information about the luncheon and awards ceremony can be found on page 3.

Following the remainder of the afternoon sessions the 2015 Birdsall-Dress lecturer, Cliff Voss, gave a mash up of his lectures. Immediately after his lecture the popular student reception was held, including the trivia competition, which drew approximately 130 students and dozens of faculty, professionals and other mentors. All students who participated in the trivia competition went home with a prize thanks to those who donated to the event (see page 8 for a list of donors).

Thanks to all who came out, and we hope to see you in Denver later this year! Remember technical session and short course proposals are due February 1st!



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**Alicia Wilson, Chair  
GSA Hydrogeology  
Division**

It's still close enough to the beginning of the new year to spend time reflecting on the past year, and there were certainly some interesting hydrogeology-related events last year! One of the more exciting for my family was the October flooding that shut down our hometown of Columbia, SC. I enjoyed getting emails from colleagues around the country checking on us. We came through just fine, but we definitely gained a new appreciation for the convenience of having potable water (or any water at all, for that matter) come out of your faucets. I will also be adding some new fieldtrip stops to my spring hydrology course.

Of course the next (much more benign!) hydrogeology-related event was the Baltimore meeting. Congratulations to Chris Gellasch, our Joint Technical Program chair, and the many

members of the division who organized sessions for putting together an outstanding technical program. Which leads us directly to a reminder that the deadline for proposing sessions and short courses for the 2016 Annual Meeting is February 1. Please join me in welcoming [Mark Engle](#) as this year's JTPC rep, and get those sessions together! Note that the division is working to begin increasing the involvement of non-academic hydrogeologists, particularly through broader advertising of field trips, short courses, and appropriate sessions.

Our division also supports a number of important awards and the [Birdsall-Dreiss Lecture Series](#). The nomination deadline for these is also February 1. The selection committees depend on you to nominate deserving individuals, so please get your nominations together and submit them to [gsa.hydro.nominations@gmail.com](mailto:gsa.hydro.nominations@gmail.com). Additional information about the awards and lecture series is available on our new division website on GSA's Connected Community, <http://community.geosociety.org/hydrodivision>. Remember that you can also request a visit from the Birdsall-Dreiss Lecturer via the website.

If you have questions as you are collecting your materials for all of the February 1 deadlines, or if you have any suggestions for ways the Hydrogeology Division can better serve the hydrogeology community, please do not hesitate to contact us. A full list of division committees and contacts is on the last page.

Regards,

*Alicia*



## The Hydrogeologist

The Hydrogeologist is a publication of the Hydrogeology Division of the Geological Society of America. It is issued twice a year, to communicate news of interest to members of the Hydrogeology Division. During 1998, the publication moved from paper-based to electronic media. The electronic version may be accessed at: <http://community.geosociety.org/hydrodivision>. Members of the Hydrogeology Division who have electronic mail will receive notification of all new issues. Other members will continue to receive paper copies.

Contributions and material are most welcome, and should be directed to the Editor. Submission as a Word or WordPerfect document is most expedient. **The deadline for the Winter issue is June 15, 2016.**

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# Division Luncheon and Awards Banquet

The Hydrogeology Division luncheon and awards banquet was yet again a popular, sold out event. Over 165 tickets were sold to an assortment of faculty, professionals, students and other hydrogeologists.

The first awards to be handed out during the banquet were to the hydrogeology students receiving the GSA Outstanding Research Awards. These students also received the David M. Diodato Travel grant from the Hydrogeology Division:

Alec Gierzynski - Quantifying anisotropic effective permeability for the Columbia River Basalts (Northern Illinois, now at Virginia Tech)

Michael O Connor -Estimating hydrogeologic properties of the active layer ( University of Texas at Austin)

Madelyn Percy -Pedogenesis in the tropics: The Galapagos as a natural laboratory (UNC Chapel Hill)

Brady Ziegler - A mass balance approach to arsenic cycling in petroleum hydrocarbon plumes (Virginia Tech)

Jonathan Reeves - Surface water-groundwater interaction: Modeling temperature and flow in a 3D seepage flume system (UMass-Amherst)



**Student Awardees Madelyn Percy (left) and Michael O Connor (right) with Division Chair Madeline Schreiber.**

The next award was presented by IAH representatives Andy Manning and Vic Heilwell. The IAH International Service Award. This award was presented to Michael Campana.



**Vic Heilwell (left) and Andy Manning (right) present Michael Campana (center) with the IAH International Service Award.**

The awards continued by recognizing both the outgoing and incoming Birdsall-Dreiss lecturers. Cliff Voss gave his lecture at the meeting and will be finishing his tour shortly with a trip to China.



**Madeline Schreiber (right) presents Cliff Voss (left) with the 2015 Birdsall-Dreiss award.**

Please see [Luncheon](#) on page 6

# Student Reception & Undergrad Poster Session

By: Kallina Dunkle



Over 125 students attended the Hydrogeology Division's Student Reception, which is an opportunity for students to network with professionals. In addition to networking, students receive a complimentary beer ticket from the David M. Diodato Beer Fund and participate in a trivia contest in order to win prizes. Students and professionals self-organize into teams and select hydrogeologic team names. One of our teams this year even had their own cheer! Once again Todd Halihan acted as Emcee, however, he added to the trivia show with the use of slides for the questions to help clarify between student and professional level questions. Students then win prizes that were donated by companies, organizations, and individuals (see page 8 for a list of donors). The event was a great success thanks to all of the volunteers who helped with organizing and all of our donors. To make a donation for the 2016 event please contact Tara Root ([troot@fau.edu](mailto:troot@fau.edu)).

**Photo above: Todd Halihan begins the trivia competition "King of the Groundwater Mound".**



**Students write thank you notes to donors after selecting a prize.**



**Students choose their prize after winning a round of trivia.**

In addition to the Student Reception, this year's meeting also featured student research in Session T99. A Showcase of Undergraduate Research in Hydrogeology. The session included 20 undergraduate research posters, a poster by Dr. Madeline Schreiber about graduate school, and a poster by Dr. Lina Patino about NSF opportunities. With the help of twelve volunteer judges, the student posters were evaluated and first, second, and third place were awarded at the Student Reception. Felix Luis Santiago Collazo received the first place prize, Julianna Crumlish second,

Please see [Reception](#) on page 8

# Volunteer Yourself or Nominate a Colleague for GSA Committees

By: Janet Herman  
Past Chair, Nominations Committee

There are numerous standing committees that do much of the ongoing work of GSA. Some committees deliberate on awards: for instance, the Penrose Medal and the Geologic Mapping Award committees consider nominees and recommend the annual winner. Some committees are concerned with the fiscal health of the Society: for instance, the Finance and Investments committees guide the use and growth of Society funds. Some committees promote core activities central to the Society's mission: for instance, the Geology and Public Policy committee is active in translating science for public discourse and crafting position statements. Other committees perform the core functions of developing the Annual Meeting, promoting Professional Development, and supporting Education. The specific duties of each committee and the qualifications of appropriate committee members vary, but the common feature is the need for volunteers and nominees. Service on a GSA committee is an excellent means of networking with colleagues outside of our Division and an important way to serve the Society and the profession. You can read more about what each committee does and its current membership at <http://www.geosociety.org/aboutus/committees>.

Each year, some committee positions come open as current members complete their terms of service. All volunteers and nominees collected by June 15, 2016, are compiled by GSA staff into a data set for consideration by the Nominations Committee in late August. That small committee depends upon membership to volunteer and nominate so that the best candidates are considered. After the Nominations Committee makes its recommendations to Council at the Annual Meeting, candidates are invited to serve beginning July 1, 2017.

Making a nomination or volunteering your service is accomplished via a web form at

<https://rock.geosociety.org/forms/comnomform.asp>. It is most useful to give a few phrases or sentences of why the individual is particularly qualified for the position, but you need not submit extensive documentation. GSA has a record of a member's GSA service, but it is helpful if you can add information about service beyond GSA that helps to qualify the individual. You do not need to vet the nomination with the nominee, because GSA staff contacts them to ask about their willingness to serve. All you have to do is think of the best people to fill leadership positions in our Society, and fill out the form that is available online all year long.

Please consider the advantages of becoming involved in the leadership of the Society. Nominate yourself or a respected colleague for a position on a GSA committee now.



Want to know what's going on within the Division?

Then visit our website at:

<http://community.geosociety.org/hydrodivision>

OR

Join the GSA Hydrogeology Division **facebook** group

to catch up on the latest events or find out how you can become more involved with our activities

## Luncheon from page 3

The presentation of the next award began with a song by citationist Janet Herman. She awarded Bill Simpkins with the George Burke Maxey Distinguished Service award.



**Janet Herman (right) presents Bill Simpkins (left) with the George Burke Maxey Distinguished Service Award.**



**Michael Cardiff (left) receives the Kohout award from citationist Jean Bahr (right).**

The Kohout Early Career award was then presented to Michael Cardiff. This award recognizes a distinguished early career scientist for outstanding achievement in contributing to the hydrogeologic profession through original research and service. Michael's citationist was Jean Bahr.

The final award presented at the banquet was the O.E. Meinzer award. The recipient of the 2015 Meinzer award was Brian Berkowitz with citation by Leonard Konikow.

The luncheon and banquet were a success, and once again, provided many opportunities to socialize before heading to the afternoon topical sessions.



**Leonard Konikow (left) presents Brian Berkowitz (right) with O.E. Meinzer award.**



Do you have an interesting idea for a short scientific article? Perhaps an opinion on a new policy or technique? Any exciting news in your professional life? Upcoming conference? An announcement of interest to the hydrogeological community? If so, why not publish it in *The Hydrogeologist*? Send your submission ideas to [andrea@kgs.ku.edu](mailto:andrea@kgs.ku.edu)

**STUDENTS, WE WANT TO HEAR FROM YOU TOO!**

# Where in the World?



This photo was submitted by our newly appointed second vice chair. He took this picture along one of his biking routes. Think you know where it is? Think you know what happened here? Let me know by submitting your guess to:

[andrea@kgs.ku.edu](mailto:andrea@kgs.ku.edu)

Hint: This park, with a five mile long lake, is located just miles outside of Livermore, CA

Photo credit: Steve Van der Hoven



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## Baltimore Ecosystem Study Area

Congratulations to Dr. Carolyn Olsen from the USDA-OCE Climate Change Program Office in Washington, DC for correctly identifying these photos as being from the watershed around Baltimore!

All of these photos are from the Baltimore Ecosystem Study (BES) area, a National Science Foundation's Long-Term Ecological Research site. This study focuses on social-ecological research in an urban system and has strong outreach and education goals. Researchers collect long-term data on urban ecosystem structure, function, and change, in addition to improving our understanding and application of sustainability to an urban system. BES brings together over 45 researchers, educators and community specialists from Baltimore and beyond.



Photos from the Baltimore Ecosystem Study Area. Photo Credit: BES LTER Photo ([www.beslter.org](http://www.beslter.org))

Information from [www.beslter.org](http://www.beslter.org)



**Reception from page 4**

and Caroline Tuttle third. The session was well attended and highlighted undergraduate research in many areas of hydrogeology. This session will be run again at this year's meeting in Denver, so we encourage undergraduates to submit research or senior theses as either a poster or oral presentation. For questions about the session or to volunteer to be a judge, please contact Kallina Dunkle ([dunklek@apsu.edu](mailto:dunklek@apsu.edu)).



Showcase co-conveners Chris Lowry (left) and Kallina Dunkle (middle) presents second place to Julianna Crumlish (right).



Showcase co-convener Chris Lowry (right) presents first place to Felix Luis Santiago Collazo (left).



Showcase co-conveners Chris Lowry (left) and Kallina Dunkle (middle) presents third place to Caroline Tuttle (right).





# Student Reception

*with donations generously provided by universities, individuals, companies, organizations, and publishers*

Tuesday, Nov. 3, 2015  
 Baltimore Convention Center – Ballroom IV  
 5:30 p.m. to 8:00 p.m.

Immediately following the  
 2015 Birdsall-Dreiss Lecturer, Dr. Clifford Voss

**Free Software!**  
**Free Books!**



**Free Memberships!**  
**Free Gifts!**



**Software**






**Organizations**







**Publishers**





**Field Equipment**




**Water Analyses**





**Individuals**

**Bob Sterrett**



# BULLETIN BOARD

## 2016 GSA Annual Meeting

Sept. 25-28, 2016  
Denver, CO

Session and Short  
Course deadline:  
February 1, 2016

<http://www.geosociety.org/meetings/2016/>

## 2016 Northeastern Section Meeting

March 21-23  
Albany, NY

<http://www.geosociety.org/sections/ne/2016mtg/>

## 2016 Southeastern Section Meeting

March 31 - Apr 1  
Columbia, SC

<http://www.geosociety.org/sections/se/2016mtg/>

## 2016 South-Central Section Meeting

March 21-22  
Baton Rouge, LA

[www.geosociety.org/sections/sc/2016mtg](http://www.geosociety.org/sections/sc/2016mtg)

## 2016 Cordilleran Section Meeting

April 4-6  
Ontario, CA

[www.geosociety.org/sections/cord/2016mtg](http://www.geosociety.org/sections/cord/2016mtg)

## 2016 North-Central Section Meeting

April 18-19  
Champaign, IL

[www.geosociety.org/sections/nc/2016mtg](http://www.geosociety.org/sections/nc/2016mtg)

**PLACE YOUR  
ANNOUNCEMENT  
HERE**

## 2016 Rocky Mountain Section Meeting

May 18-19  
Moscow, ID

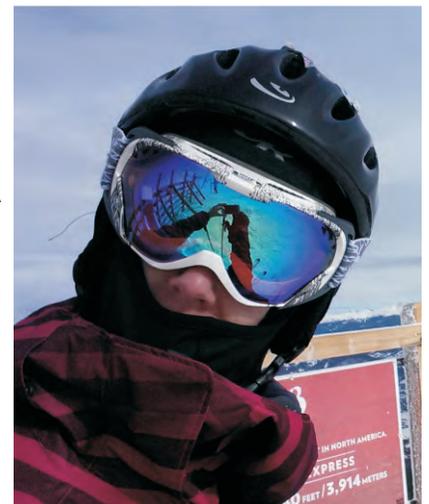
[www.geosociety.org/Sections/rm/2016mtg](http://www.geosociety.org/Sections/rm/2016mtg)

## From the Editor....

Welcome to the Winter 2015 newsletter. I'm happy you found it! You may have noticed that some things have changed with the Hydrogeology Division online as we've made the transition to the GSA Community pages.

I hope everyone had a great time in Baltimore at the 2015 Annual Meeting. I also hope everyone is looking ahead to this year's meeting, particularly because deadlines for proposing sessions and short courses are February 1st!

As usual, if you have any comments or article ideas please pass them on to me at [andrea@kgs.ku.edu](mailto:andrea@kgs.ku.edu).



# Hydrogeology Division Contacts

## **2016 Management Board**

**Chair:** Alicia Wilson: [awilson@geol.sc.edu](mailto:awilson@geol.sc.edu)

**First Vice-Chair:** Abe Springer:

[Abe.Springer@nau.edu](mailto:Abe.Springer@nau.edu)

**Second Vice Chair:** Stephen Van der Hoven:

[sjvanderhoven@gmail.com](mailto:sjvanderhoven@gmail.com)

**Secretary-Treasurer:** Eric Peterson:

[ewpeter@ilstu.edu](mailto:ewpeter@ilstu.edu)

**Student Representative:** Madelyn Percy:

[madelynp@live.unc.edu](mailto:madelynp@live.unc.edu)

**Past Chair:** Madeline Schreiber:

[mschreib@vt.edu](mailto:mschreib@vt.edu)

## **Standing Committees**

**Technical Program Committee:** Mark Engle  
(2016 - Denver)

**Nominating Committee:** Todd Halihan (Chair),  
Alan Fryar, Madeline Schreiber

**Meinzer Award Committee:** Chunmiao Zheng  
(Chair), Karen Johannesson, Charles Harvey,  
Brian Berkowitz, Jack Sharp

**Birdsall-Dreiss Lecturer Committee:** Larry Band  
(Chair), Cliff Voss, Lenny Konikow, Shemin Ge

**Maxey Distinguished Service Award  
Committee:** Scott Bair (Chair), Robert Ritzi, Bill  
Simpkins

**Kohout Early Career Award:** Janet Herman  
(Chair), Laurel Larson, Peter Knappett, Mike  
Cardiff, Ward Sanford

## **Ad Hoc Committees**

### **Section Representatives:**

Cordilleran - Beth Weinman

Northeastern - Todd Rayne

North Central - Sue Swanson

South Central - Marcia Schulmeister

Rocky Mountain - Andrew Manning

Southeastern - Jeffrey Wilcox

International: Prosun Bhattacharya

### **Representatives to other Societies:**

American Geophysical Union - Barbara Bekins

American Geological Institute - David Wunsch

Consortium of Universities for the Advancement

of Hydrologic Science - Holly Michael

National Ground Water Association - Bill Alley

International Assoc. of Hydrogeologists - Jack

Sharp

Society for Sedimentary Geology - Gary

Weissman

Soil Science Society of America - Michael Young

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**Web Administrator:** Mike Sukop

**GSA Council Liaison to Hydro. Division:** Bill  
Simpkins

**Hydrogeology Division Website:** <<http://community.geosociety.org/hydrodivision>>

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