



*August, 2008 Newsletter*

**Viewpoint: Smart Moves**

Buy low, sell high. That is what the smart investor is supposed to do in the stock market. Yet every analyst knows that most people buy high, at the euphoric height of the market, and sell low, out of sheer fear. It's the way we humans behave as a group, governed by emotions and layered over by rationalizations. Smart investors go against that trend, and make money.

In tough times business enterprises often behave the same way, rationalizing cutbacks as necessitated by economic conditions. When times are good and the work is flooding in, firms are eager to put their names out in front of the public by sponsoring events and exhibiting at meetings. And then when the contracts and calls begin to slow, just at the time when they should really be advertising who they are and what they can do, firms cut back on meeting exhibits and sponsorships. But not the smart companies. The smart companies recognize that marketing is something you do all the time but you do it twice as hard when the economy slows. The smart companies realize that face-to-face contact with a large number of professionals gathered together is an excellent business opportunity. The smart companies will thrive.

The smart companies are signing up now as exhibitors and sponsors for the joint AHS/AIPG meeting this September in Flagstaff. Hundreds of professionals will gather together in one place to hear great technical talks, go on fantastic field trips, and take great workshops. Registration is on-line, through our co-host this year, the American Institute of Professional Geologists: <http://www.aipg.org/2008/AIPG-AHS-3IPGC.htm> . There is still time for smart firms to become exhibitors or sponsors at this important event. Call me at (623) 694-0008, call your Chapter officers, call the folks at AIPG, and we'll be happy to explain why you need to be in Flagstaff in September. If your firm hasn't committed to sending you to this Annual Symposium, let them know that now is the time to sign up and make your presence known.

It's the smart move.

Alan Dulaney,

AHS Corporate Board President, 2008

## **Message from the New AHS Executive Director**

Hello AHS Members,

I am Nick Melcher and I am now serving as the Executive Director of the Arizona Hydrological Society (AHS). Many of you know me from my past career with the US Geological Survey. I retired in July of 2007 and welcome this opportunity to continue working in the field of hydrology with such an excellent organization.

One of my tasks is to assemble the AHS monthly newsletter. The newsletter contains the chapter schedules, AHS announcements, field trips, information on hydrology, and is a great resource for staying informed on Arizona activities in the field of hydrology. For about the past two years, we have been posting the newsletter on the website for you to access. From discussions with you and a review of the newsletter "hits", we have come to realize that simply posting the newsletter has not been an effective method of disseminating the AHS monthly announcements and information. We appreciate the fact that all of you are busy and it is difficult to stop what you are doing to access a website for a newsletter. Given this, we will now be open-mailing the newsletter to all members. However, a copy will continue to be posted on the AHS website. In order to email the newsletter it was necessary to reduce the size and, of course, reduce graphics and resolution. We upgraded our system to enable mass-mailing of this size. We are presently refining the newsletter email list and developing a process to distribute a small-file newsletter. This newsletter is the first to be distributed as an open email. I hope this will better serve the needs of our members.

Again, it is great to have this opportunity to work with all my friends and colleagues in the field of hydrology. Arizona has one of the truly great cadres of hydrologists working in such diverse fields as consulting, regulation, management, and research. The Arizona Hydrological Society provides us with a unique opportunity for us to grow professionally and technically by sharing information while building a great network of colleagues throughout Arizona and the Southwest. I encourage you all to actively participate in the many functions that the Arizona Hydrological Society hosts.

Sincerely  
Nick Melcher,  
[nmelcher.ahs@gmail.com](mailto:nmelcher.ahs@gmail.com)  
520 419-4547

## **Phoenix Chapter**

### **July Meeting Summary**

#### **Adam Freihoefer**

Adam Freihoefer's talk focused on the current state of Arizona groundwater modeling, including the newest model set to be released this year, and outlined how ADWR plans to change how it manages and produces data in the future. By bringing the audience through the steps currently involved in the creation of a model, he gave the audience a better understanding of the model's strengths and potential weaknesses. The audience also got a glimpse of some preliminary trends and of how much more data the new model will be working with. The data going into the model have been broken down into more precise fields, and the model output precision has been increased from square miles to square quarter-miles for better resolution of trends. New geological data have been incorporated into the model, as well. According to Adam, ADWR plans to release updates to the models on a more regular basis, giving workers in the field a more accurate and timely guide from which to work from. The new model has been much-anticipated and will provide an important tool for making decisions about the protection and use of Arizona's most precious resource.

by Jessica Jensen

We'd like to thank Adam for sharing all the hard work happening at ADWR! Adam will be revisiting his SRV model overview as well as providing hints to groundwater modelers about ADWR review guidelines on August 26th at ADWR's offices in the Verde Conference Room from 9 – 11 am. If you missed our July meeting or have thought of some more questions for Adam, you have another chance!

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### **No August Dinner Meeting !**

Please note, there will no Phoenix Chapter dinner meeting in August or September. We look forward to seeing you at the Symposium in Flagstaff in September! Our next dinner meeting will be held October 14th when Dr. Brian Wahlin from WEST Consultants will discuss his unsteady HEC-RAS canal operation simulator.

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### **Seeking Nominations for Chapter Officers for 2009**

We all know this is an election year, but Senators Obama and McCain aren't the

only ones running for President! The Phoenix Chapter is seeking nominations for all offices of the Chapter Board for 2009 including President. So if you aren't on the shortlist for VP with Barack or John and are looking to make an important contribution to the Society, please step up! We need your help and enthusiasm. We have many long serving board members looking for a bit of relief! We also have the additional demands of the Symposium in 2009, so additional help on the Board is needed to allow members to spread themselves around to the various activities needing attention next year including organizing and shepherding the monthly dinner meetings, administering the Bouwer internship, judging the spring science and engineering fair, and lots more.

Offices on the Board include President, Vice President, Treasurer, Secretary, two Chapter Board positions, and one open Corporate Board position. There are no special requirements of board membership except you must be an AHS member (if you're not, that's easily rectified!) and have a willingness to provide input and give something back to the Society. The Chapter Board normally meets monthly except Aug. & Sept. in advance of the chapter dinner meetings. Board members can expect to spend about 4 to 8 hours a month preparing for and participating in board meetings and other chapter activities. The Chapter President and Corporate Board members also meet quarterly with the Corporate Board members from Tucson and Flagstaff. Those meetings are held for four hours on Saturdays – once in Flagstaff (July), once in Tucson (Jan.) and twice in Phoenix (April & Oct.). Participation in the Chapter Board is a great way to learn more about the Society and help chart our path forward. Nominations can be made to current Chapter President, Ted Lehman, at [ted@jefuller.com](mailto:ted@jefuller.com) or 480-222-5709. I look forward to hearing from you!

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### **2009 AHS Annual Symposium**

The 2009 Annual Symposium, "Managing Hydrologic Extremes", will be held at The Westin Kierland Resort & Spa August 30 through September 2, 2009 in Scottsdale. The event will be a joint symposium with the 2009 national conference of the American Institute of Hydrology (AIH). With the help of AIH and all our AHS volunteers and participating sponsors, we hope to put on a fabulous, successful event at a super venue. We are also planning to organize a published volume of the proceedings papers. AIH normally produces published proceedings and we are looking to continue their tradition for 2009. So if you or someone you know is interested in seeing their paper in print, here's your chance. Start thinking of those paper ideas now! Look for more details as the 2009 planning continues...

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### **Planning for 2009 Symposium continues, Aug. 12th at JEF Tempe**

Planning for the 2009 AHS Symposium continues and we will be meeting regularly to hammer out details of program, speakers, sponsorship, marketing, proceedings, workshops, field trips, etc. The next planning meeting is scheduled

for Tuesday, August 12th at 5 PM at the Tempe offices of JE Fuller. If you are interested in helping with the planning process or just listening in, please contact Ted Lehman at [ted@jefuller.com](mailto:ted@jefuller.com) or 480-222-5709, Lee-Anna Walker at [LeeAnna.Walker@arcadis-us.com](mailto:LeeAnna.Walker@arcadis-us.com) or Christie O'Day at [coday@acstempe.com](mailto:coday@acstempe.com) or 480-894-5477 or Keith Ross at [keithr@hgcinc.com](mailto:keithr@hgcinc.com) or 480-421-1501. We'd love to have you and we can really use your help.

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## 2008 Event Calendar

- August – No dinner meeting
  - August 26th, 9 – 11 am, ADWR Salt River Groundwater Model overview and model review guidelines, ADWR 2nd Floor, Verde Conference Room
  - September – 2008 Symposium Flagstaff
  - October – Dr. Brian Wahlin, WEST Consultants, Unsteady HEC-RAS canal training simulation tool
  - Fall, date TBD, Zuni Basin fossil field trip, Doug Wolfe leader
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### Phoenix Chapter Announcement

#### Arizona Department of Water Resources

#### Numeric Groundwater Model Development and Review

##### Presentation Topics

Overview of Salt River Valley Model Update (1983-2006)

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##### Model Updates

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##### Public Deliverables

Applicability of Regional Numeric Models for Evaluation of Localized Impacts  
Numeric Groundwater Modeling Review Process Associated with AWS and  
Recharge Applications

Q/A Between ADWR Hydrologists and Attendees

##### Location

Verde Conference Room,AWDR Main Office, 2Floor  
(Meridian Bank Bldg)

3550 N. Central Ave.

Phoenix, AZ 85012

Parking - Visitor Lot \$4 per 2hr

##### Time

9:00 - 11:00 AM

Tuesday, August 26, 2008

RSVP / Questions?

Adam Freihoefer, ADWR Modeling Unit Supervisor

Phone: 602-771-8556

Fax: 602-771-8686

E-mail: [atfreihoefer@azwater.gov](mailto:atfreihoefer@azwater.gov)

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## **Tucson Chapter**

### **July Meeting**

The Tucson Chapter did not hold a meeting in July.

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### **August Meeting**

The Tucson Chapter will be hosting a fascinating tour of the University of Arizona Mars Mission's Science Operation Center on August 6. Time is short so please RSVP as soon as you can. This promises to be a fascinating evening. Specifics are:

What: Tour of the Phoenix Mars Mission's Science Operations Center

When: Aug. 7 at 6 p.m.

Where: northwest corner of North Sixth Avenue and East Drachman Street. There is ample parking on the dirt lot on the southwest side of the building, facing Drachman Street and North Seventh Avenue.

Cost: Free

**Please RSVP to Robert McGill [geoengr@msn.com](mailto:geoengr@msn.com) or via cell 520-247-1862**  
if you will be able to attend.

The 50-minute visit will begin with an overview and update of the mission, with time for Questions and Answers. You will also have time to explore the interactive exhibits and activities in the Payload Interoperability Testbed.

We hope to see you there. A big thanks to Rob McGill and his family for putting this great event together.

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### **2010 AHS Annual Symposium.**

Mike Geddis, AHS Corporate Board Treasurer, has some very preliminary discussions with his contacts in the mining industry about possible collaboration for the 2010 symposium in Tucson. Mike will present some ideas for discussion at the next AHS Corporate Board meeting.

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## Flagstaff Chapter

The Flagstaff Chapter stepped out of its comfort zone and scheduled their July meeting at the Route 66 Roadhouse Harley Davidson Cook-Your-Own-Eats Bar and Grill (see photo) in Bellemont, 12 miles west of Flagstaff. While part of the chapter meeting was spent exchanging ones seasoning tricks to attain perfection of ones grilled item – the primary focus was spent discussing the upcoming symposium – that we know will be a big success! The Flagstaff Chapter is planning a post-symposium fall field trip – details should be out in next month’s newsletter! The next Flagstaff Chapter meeting will be on Wednesday August 13th at 6:00 PM at the Hotel Weatherford.



Flagstaff Chapter members from left to right: Margot Truini, Erin Young, Brad Hill, Dana Downs-Heimes, and Aregai Teclé.



The High Country Conference Center is a gorgeous facility. The HCCC amenities are top notch – we are really excited to hold the 2008 symposium at this new facility!

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**For more information on the Arizona Hydrological Society please visit us at our website at:**

<http://www.azhydrosoc.org/>

**You may register for the annual symposium in Flagstaff at:**

<http://www.aipg.org/2008/AIPG-AHS-3IPGC.htm>

