

NEWSLETTER



Viewpoint: The Power of Surface Water

One morning several years ago while doing field work on Otero Mesa in southern New Mexico, I drove across a broad ephemeral wash, filled with rounded cobbles and small boulders. It was late August, and summer thunderstorms arose in the nearby Sacramento Mountains. Driving back in the afternoon, I pulled up short at the banks of the stream and shut off the engine. The stream was now a raging torrent—I had arrived just at the peak of a flash flood event. For the next hour I sat and watched the thunderheads dissipate and listened to the voices of the stream. And here was the surprising thing: above the roar of the brown water I could hear the sharp thuds and loud clinks of cobbles and boulders rolling downstream with the other sediments under the pressure of the water, grinding down into smaller and rounder stones. The sound was solid, loud, and steady, almost as much felt as heard, with its source hidden below the roiling waters. I never heard anything like it, before or since.

What I heard was the sound of erosion, the shaping of rocks and the creation of particles by the power of surface water. Scientists don't often conceptualize sedimentary processes as possessing a distinctive sound. In a semi-arid state, we tend to think more often about groundwater (which is silent) than about surface water. But surface water is a powerful determinant. It is the genesis of our landforms, the source of our potable supply for thousands of years, the fuel for our crops, and the generator of our electricity. Out of control it becomes a destroyer of our structures and installations, and keeping it under control and distributing it may have led to the development of civilization and law itself.

It's time for an AHS event focused on surface water.

The Phoenix Chapter is once again presenting a seminar this spring to support the Herman Bouwer Intern scholarship and to provide an educational event, and this year the topic is sur-

face water. Mark your calendars for May 15, 2008 for the AHS Surface Water Seminar. Now is your chance to learn more about the phenomenon of surface water. Here the sound of surface water will be talks on the legal nature of surface water claims, permit issues, stream gauging and sediment transport. Can't get away from the legalities of surface water. There will also be talks on stream measurement, storing surface water, and restoring stream habitats. Surface water remains an important component of water resources in Arizona, despite its often ephemeral nature.

The registration form for the Surface Water Seminar will soon be posted on the AHS Website. ADWR has graciously allowed the Phoenix Chapter to hold the seminar at their offices. Lunch and snacks will be served, and the cost is only \$75 per person. The proceeds will go for a good cause, to fund the scholarship for the Hermann Bouwer intern. Only the first 50 people can be accepted, so sign up early. You won't regret it.

Alan Dulaney
AHS Corporate Board President 2008



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Member information

2008 MEMBERSHIP DUES

If you have not renewed your 2008 AHS Membership by March 30th you will no longer be able to access the Members Only area of the Web site.

Your membership is very important to us and we hope you will consider renewing promptly.

Dues, payable to AHS (\$45.00, \$15.00 for students) should be sent to:
Arizona Hydrological Society
Jeanie Merideth, Association Manager
PMB 139; 3305 N. Swan Road #109
Tucson, AZ 85712
Phone: (520) 299-6787

Dues may also be paid using our "Online Payment" system.

Go to

www.azhydrosoc.org

And click on "Join or Renew Online" and have your credit card ready. AHS accepts Visa, MasterCard and American Express.

DON'T DELAY-DO IT TODAY!

How to visit the AHS Members Only area:

- Go to: www.azhydrosoc.org
- Located on the far right side of your screen click on Members Only
- Type in your username and password: Your username is the first initial of your first name and then your last name (i.e. Flo Waters would be FWaters). Your password is your zip code (that we have on file for you).

Once there you have access to documents that are not available on the public site.

REMEMBER you must be a currently paid member of AHS to have access.

Announcing the AHS 2008 Annual Fall Symposium

Changing Waterscapes and Water Ethics for the 21st Century

American Institute for Professional Geologists Annual Meeting
Arizona Hydrological Society Annual Symposium
3rd International Professional Geology Conference
September 20 -24, 2008
High Country Conference Center at NAU and Radisson Hotel
Flagstaff, Arizona

For more information:

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

2008 Annual Symposium

Changing Waterscapes and Water Ethics for the 21st Century

CALL FOR ABSTRACTS



American Institute of Professional Geologists
Arizona Hydrological Society
3rd International Professional Geology Conference



September 20 – 24, 2008
Flagstaff, Arizona, USA

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



Arizona
Hydrological
Society

CALL FOR ABSTRACTS

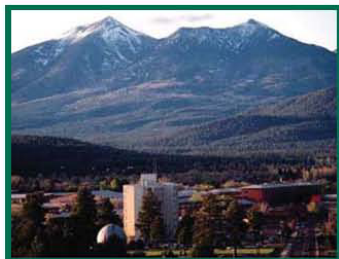
Important Dates

April 15, 2008Abstracts due
May 15, 2008.....Authors notified
July 1, 2008.....Final abstracts/
papers due

You are invited to participate in the symposium on **Changing Waterscapes and Water Ethics for the 21st Century**. This milestone event is organized by a committee of the American Institute of Professional Geologists (AIPG), the Arizona Hydrological Society (AHS), and the 3rd International Professional Geology Conference (3rd IPGC). Sponsors include: AAPG-DPA, AHS, AIPG, ASBOG, CCPG, EFG, IYPE, NAU, and USGS.

The symposium will be held in Flagstaff, Arizona from September 20-24, 2008. Presentations and Poster Sessions will be held September 22 and 23, 2008.

The symposium Steering Committee is led by General Chairperson Barbara Murphy, RG, CPG, Clear Creek Associates, and Vice Chairmen Dr. Aregai Teclé, Professor of Hydrology, School of Forestry, Northern Arizona University (NAU), and Dr. David Best, Professor of Geology, College of Engineering and Natural Sciences, NAU.



Northern Arizona University Campus and the San Francisco Peaks

Location

The symposium itself will take place at the convention center at the Northern Arizona University campus and the Radisson Hotel in picturesque Flagstaff. Field trips will be offered to the Grand Canyon, the San Francisco volcanic field, the Jerome mining district, to the red rocks of Sedona, Walnut Canyon Anasazi cliff dwellings, and many more exceptional geology and cultural sites.



Grand Canyon

Symposium Highlights

The symposium includes technical sessions, poster sessions, workshops, welcome reception, technical tours, and field trips.

How to Submit an Abstract

To have your abstract considered for a presentation or poster session, please submit a one-page abstract and the Abstract Submittal Form by April 15, 2008. Abstracts must be typed, in WORD, single-spaced, 12-point type and should not exceed one page. Please include the presentation title and primary speaker/author at the top of the abstract and submit with the Abstract Submittal Form. Select two abstract subject areas under which you would like to have your abstract considered. Authors will be notified of abstract acceptance by May 15, 2008.

Abstracts must be received no later than April 15, 2008.

For more detailed information or to register for the symposium please go to:
<http://www.aipg.org/2008/AIPG-AHS-3IPGC.htm>.



Lake Mead / Hoover Dam

Abstract Subject Areas

ARR	Artificial Recharge
AQR	Aquifer Restoration
CRB	Colorado River Basin Climate, Hydrology and Ethics: Past, Present and Future
EWE	Energy/Water/Ethics: Moderated Discussion
EWM	Ethics of Water Use in Mining: Case Studies
EWP	Ethics vs. Water Policies
FWM	Forest Watershed Management
GIS	GIS and Water Resources
GIE	Groundwater Issues and Ethics
GR	Groundwater Restoration
HEN	Human vs. Ecosystem Needs
ICP	International Cooperative Programs and Practice Issues
MDE	Models, Data and Ethics
PE	Professional Ethics
PUW	Politics of Urban Water Management
QLE	Quality of Life vs. Ethics of Water
RTA	Re-Use Technologies and Approaches
REC	Riparian Ecosystems in Changing Waterscapes
SWP	Southwest Water Policy Issues
SWG	Surface Water – Groundwater: A Shared Resource
TWP	Tribal Water Practices, Policies, and Ethics
URW	Urban and Rural Water Policies and Practices
WEC	Water Ethics in a Changing Global Climate
WEM	Water Ethics in the 21 st Century: Moderated Discussion
WKN	Water Knows No Boundary: Border Conflicts
WL	Water Law
WOP	Water Ownership: Public vs. Private
WQM	Water Quality of Mining Operations: Old Problems - New Solutions
WQS	Water Quality: Science, Policy, and Ethics
WSP	Water Supply vs. Public Policy: Ethics Under Pressure

2008 Annual Symposium Cont.

Changing Waterscapes and Water Ethics for the 21st Century

Abstract Submittal Form

Use this form or submit online at <http://www.aipg.org/2008/AIPG-AHS-3IPGC.htm>



American Institute of Professional Geologists
Arizona Hydrological Society
3rd International Professional Geology Conference



September 20 – 24, 2008
Flagstaff, Arizona, USA



Flagstaff Convention Center and the Radisson Hotel

Submit a one-page abstract with this completed form by **April 15, 2008.**

Submittal can be made via fax, e-mail, or mail:

Cathy Duran
Professional Services Manager
AIPG
1400 W. 122nd Ave., Suite 250
Westminster, CO 80234
Phone: (+1) 303-412-6205
Fax: (+1) 303-253-9220
E-mail: clد@aipg.org

Presentation/
Paper Title: _____

Submitted for: Oral Presentation or Poster Presentation

Subject Area: 1st Choice: 2nd Choice:

[Use the 2 or 3-digit Abstract Subject Area Codes listed on the Call for Papers]

Primary Speaker/Author: [All Symposium-related correspondence will be directed to this individual]

Name: _____

Title: _____

Organization: _____

Address: _____

Phone: _____ Fax: _____

E-mail: _____

Co-authors: _____

Will this or a similar paper be published or presented before September 2008?

No Yes If yes, where:

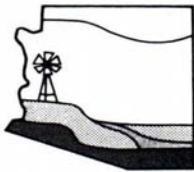
Date this work/project/program will be completed: _____

Agreement

By submitting an abstract, a potential presenter agrees to prepare an oral presentation or poster presentation, if selected. Selected presenters are encouraged to prepare an extended abstract or paper for publication in the conference proceedings. If not selected for an oral presentation, you will be encouraged to prepare a poster for the poster sessions. Individuals must meet all deadlines to have a paper or extended abstract included in the symposium proceedings.

Please visit the web site for many sponsor opportunities:
<http://www.aipg.org/2008/AIPG-AHS-3IPGC.htm>

TUCSON CHAPTER NEWS



Arizona Hydrological Society

2008 AHS Kartchner Kaverns Field Trip – So What?

When: 3/22/2008, Saturday

Where: Meet at Kartchner Caverns at 7:45 am

Cost: \$35 per attendee. Space is limited to 30 people. All AHS members who make a reservation can bring 1 person in addition to themselves. Please note the number in your party when you make your reservation.

Not your ordinary tour:

This tour starts with a surface tour of the area. All aspects of the ecosystem will be covered: hydrology, geology, ecology...and every thing else in between. We will then head underground to see how the surface processes helped to create the caverns. The theme of the tour will be to describe much of what is known about the formation of the cave and what controls the hydrogeologic conditions of the cave and what it means for future research objectives, or simply put; "So what?"

Preliminary Itinerary:

8:00-9:00: Welcoming Statements, Overview of Itinerary, Introductions

9:00-9:30: Overview of regional geology, hydrology, Discovery Center Amphitheater

9:45-12:30: Surface field trip--Foothills Loop trail--geology, hydrology, ecology, economic geology, and anything else of interest to the participants

12:30-1:30: Lunch at the Discovery Center Ramada

1:45: Group 1 - cave tour, Group 2 - Discovery Center movie, displays Q&A w/ trip guides, leisure

2:15: Group 2 - cave tour, Group 1 - Discovery Center movie, displays, Q&A w/ trip guides, leisure

3:15: Groups 1&2 Q&A with all field personnel

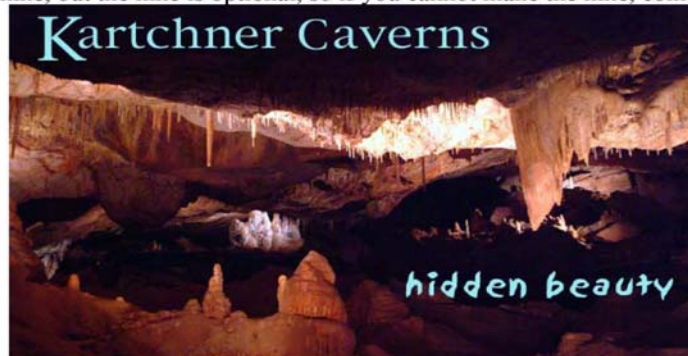
3:30-4:00: Departure for Tucson

Please arrive ready to rock! Bring trail snacks, plenty of water, and good hiking gear!

Note that *no opened toed shoes will be allowed in the cave*. Long pants are recommended to prevent vegetation "love bites" during the above ground tour. Rain gear is recommended just in case. The tour will proceed rain OR shine!

Bring a sack lunch and plenty of water! The last food before the Caverns is located at the intersection of I-10 and Highway 90. You'll find Subway, McDonalds, KFC, and Taco Bell here.

Note that the surface tour will include an easy 2 mile hike. No accommodations for handicapped persons can be made on the hike, but the hike is optional, so if you cannot make the hike, come anyway for the rest!



Tucson Chapter cont.

Tour Guides

Dr. Robert Casavant – KCSP Cave Resource Manager – Overview of structural geology, including regional and local faulting, fracturing, aerial photogeologic interpretation techniques, and cave formation

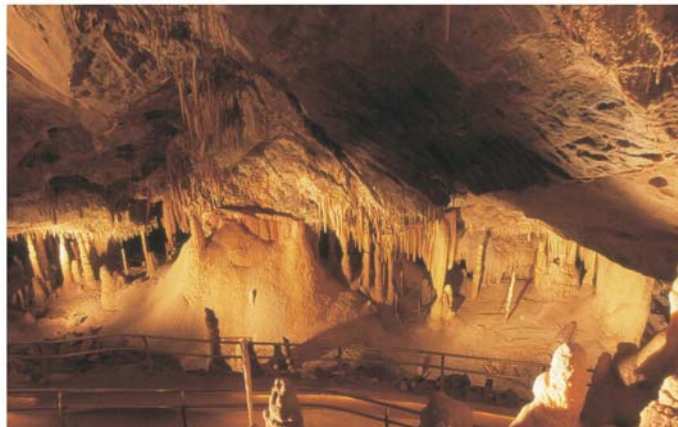
Dale Armstrong- (Golder Assoc.--Geohydrologist, Economic Geologist) - Mineral exploration and history of mineralization of the Whetstone area; Hydrothermal story of Kartchner block; Geohydrologic topics of the area

Joanne Roberts- (AZ State Parks-resource ecologist) - Throughout the tour Joanne will provide ad hoc information on linkages and diversity of fauna-flora within the park and within the region.

Bob Sejkora (AZ State Parks-Water Program Manager)- Bob will be able to provide folks with information on water adjudication issues and monitoring of surface drainages across the park and McGrew Springs area.

Eric Cook/Heidi Lauchstedt--KCSP Cave Unit Rangers - Will discuss water well and rain gage monitoring programs both on and off park, as well as environmental station monitoring within the caves, cave research projects, etc.

Field Trip Participants – Please provide any and all insight into the geology, hydrology, ecology...or any other aspect of the system that you possess!



The first 30 people to make a reservation will be able to participate on the tour. After that, any additional persons who are interested will be added to a waiting list. For reservations, please email Jeff Gawad. **Payment to secure your reservation must be received no later than Monday, March 10th, 2008.** If your payment has not been received by this date, your space will be given to the next person on the waiting list. Thanks!

Please send payment to:

Jeff Gawad
1550 E Prince Rd
Tucson, AZ 85719
jgawad@elmontgomery.com

Your check should be made payable to: Arizona Hydrological Society, Tucson Chapter

The general theme of the tour will be “So What?” As such, please question EVERYTHING as the tour progresses. Why does anything I see on the tour matter, and how does it apply to my particular field of expertise? Let’s really give our tour guides a strenuous intellectual workout...

Tucson Chapter Officers

President (General Chapter Information)	Jeff Gawad Errol L. Montgomery & Associates (520) 881-4912 jgawad@elmontgomery.com	Chapter Director (Chapter records and web page)	Dan Guido Errol L. Montgomery & Associates (520) 881-4912 dguido@elmontgomery.com
Vice-President (Monthly speaker organization)	Robert McGill hydroGEOPHYSICS (520) 647-3315 rmcgill@hgiworld.com	Tucson AHS Corporate Board Representatives:	
Secretary (Monthly meeting records)	Marla Odom Errol L. Montgomery & Associates (520) 881-4912 modom@elmontgomery.com	Corporate Treasurer	Michael Geddis Water Management Consultants, (520) 319-0725 mgeddis@watermc.com
Treasurer (Chapter finances)	Mike Mahan Arizona Geological Survey (520) 770-3500, ext. 211 mmahan@email.arizona.edu	Corporate Board Member	Nick Melcher U.S. Geological Survey (520) 670-6671, ext. 221 nickpaulame@msn.com



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5:30 p.m. to 7:00 p.m.**

for a Healthy Planet Happy Hour to Benefit Water For People

**\$50 Donation and Choice of Three for your 1 ½ Hour
Spa Session
Chair Massage, Mini-Facial, Nail Care, Yoga, or Health
Consult**



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your Spa Session and Choices**



PHOENIX CHAPTER NEWS

February Meeting Summary

Paul Westerhoff's February talk focused on nanoparticle pollutants as a new concern in the environmental field. His research involving nanosilver-impregnated socks showed that these materials do make it into our wastewater and the environment in their unique sizes and forms. He further showed that, while current wastewater treatments do not effectively remove particles of this size, they do have an affinity for biomass, which does lower their concentrations in the wastewater treatment product. Many nanoparticle products have a demonstrated toxicity, and many are already commonly available on the market today. These new materials represent a new frontier in environmental management and regulation.

We'd like to thank Paul for sharing his time and research with us. We look forward to his evolving insights to this developing field.

March Meeting Announcement

Our speaker will be Trevor Hill, CEO of Global Water Resources, a local private water provider. Mr. Hill will be discussing their activities and the challenges they face in assisting Arizonans in securing our future water supplies.

Please join us March 11th at El Penasco at Mill & Broadway in Tempe. Hope to see you there!

Location: El Penasco Mexican Kitchen
19 E. Broadway Road
Tempe, AZ 85282

Speaker: Trevor Hill, CEO, Global Water Resources

Chapter Board Meeting: 4:30 PM – 5:40 PM
Happy Hour & Dinner: 5:45 PM – 7:00 PM
Dinner Speaker: 7:00 PM – 8:00 PM

Cost: \$15 member, \$20 non-member, \$5 student

All chapter members (and non-members) are welcome to attend the board meeting too!

Venue Selected for 2009 AHS Annual Symposium & Dates Confirmed

The 2009 Annual Symposium will be held at The Westin Kierland Resort & Spa August 30 through September 2, 2009 in Scottsdale. For those of you who enjoyed the 2007 Symposium at the La Paloma Resort, that too was a Westin

property. We are planning to meet and hopefully exceed that excellent experience. The event will be a joint symposium with the 2009 national conference of the American Institute of Hydrology (AIH). We have also selected a theme – “Managing Hydrologic Extremes”. 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!

Planning for 2009 Symposium continues

Planning for the 2009 AHS Symposium also continues and we will be meeting regularly to hammer out details of program, speakers, sponsorship, marketing, proceedings, workshops, field trips, etc. If you are interested in helping with the planning process or just listening in, please contact Ted Lehman at ted@jefuller.com or 480-222-5709, Lee-Anna Walker at LeeAnna.Walker@arcadis-us.com or Christie O'Day at coday@acstempe.com or 480-894-5477.

Bouwer Intern Scholars & Hosts Sought

The Phoenix Chapter is seeking student intern applicants for the Herman Bouwer Internship. Student applications are due March 17th. An application form can be found online at www.azhydrosoc.org. We also need corporate or agency hosts to provide a place for the 2008 Herman Bouwer Intern winner to work, learn, and experience the business and vocation of hydrology. Past years' recipients have evolved into excellent future employees! Here's your chance to test drive a prospective new employee and have AHS foot the bill! How can you resist? Hosts receive the service of the intern for 2 to 3 weeks. If you are interested in becoming either a Bouwer Intern Winner or host don't pass up this great opportunity. Please contact Steve Acquafredda at sacquafredda@dswa.net or (602) 217-1038 for more information.

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Phoenix Chapter continued

(Continued from page 8)

AZSEF – Judges Needed

March 18-21 will be the Arizona Science & Engineering Fair at the Phoenix Convention Center. The Phoenix Chapter has provided awards to outstanding projects in water related sciences. With the help of the Central Arizona Project we have given out \$800 over the past two years. We are looking for assistance to review and select award winners in for three grade levels. The judging will require about a half day's time on the March 20th. Last year's volunteer judges confessed to an unexpectedly good time interviewing students and talking with them about their projects. If you are interested, please contact Paul Plato at pplato@clearcreekassociates.com or 480-659-7131.

Third Annual AHS-AEG Student Night

AHS plans to jointly host the 3rd Annual Student Night with the Arizona Chapter of the Association of Engineering Geologists. The event will take place on Thursday evening April 17th at the University of Arizona Memorial Union. The event will bring together students and professionals to share interests, network, and discuss employment opportunities. The event will feature a social networking hour followed by dinner and then the main event, presentations by students of their work. The best presenter(s) will receive cash in recognition of their efforts! Last year the event attracted over 20 students, 4 presentation teams, and 14 corporate sponsors. Awards totaling \$350 were given to the speakers. Thanks to our sponsors we even made a few dollars after expenses and awards. We are looking forward to another successful event this year with AEG.

Surface Water Issues Workshop

The Phoenix AHS Chapter will be hosting its second Technical Session in two years on May 15, 2008 at the Arizona Department of Water Resources in Phoenix. The session will focus on Surface Water Issues. Specific speakers and topics are still being confirmed, but so far we expect to hear from:

- Lisa Logan – ADWR - Discussion of Ari-

zona surface water rights and claims and legally available water supplies

- Liza Logan - ADWR - Discussion of Arizona surface water rights and claims and legally available water supplies.

- Lisa Spahr - EEC - SWPPP MS4 current permitting issues.

- Lisa Spahr - EEC - Construction General Permit Changes

- Michael Ford (Attorney) - Bryan Cave, LLP - The 9th Circuit's impairment of Arizona water quality: the recent 'Carlota decision' and its impacts on NPDES permitting, impaired waters listings, and innovative offset projects, such as the Gibson Mine Reclamation.

- Ken Houser - SWCA - Developments in the Clean Water Act.

- Nick Melcher - Retired USGS- Stream Gauging Field Methods.

- Dr. Hari Sundararaghavan - JE Fuller Hydrology and Geomorphology - Sediment transport modeling

- Dr. Roland Wass - Wass-Gerke + Associates - Overview of stream restoration projects on the Salt River through metro Phoenix

The technical session will be a full day event (8:00 – 4:30) and will include lunch. Registration is \$75 per person. Registration can be made online at www.azhydrosoc.org or by mail. Registration will be limited to 50 participants on a first come-first serve basis. Last year's session sold out quickly! So register now!

We are also seeking sponsors. For a \$200 donation, sponsors will receive recognition at the seminar and one complimentary registration. The proceeds from the session will all go to support the Herman Bouwer Internship program. Last year we raised over \$2,000 on behalf of the Internship program.

(Continued on page 10)

Phoenix cont.

(Continued from page 9)

Lee-Anna Walker is spearheading this effort and would be delighted to have your help, input, or sponsorship. Lee-Anna can be reached at LeeAnna.Walker@arcadis-us.com or (602) 659-3230.

2008 Event Calendar

- March 11 – Trevor Hill, CEO, Global Water Resources
 March 18 – 21 – Arizona Science & Engineering Fair, judging Mar. 20th
 April 8th - Lee-Anna Walker, Kirk Creswick, and Gavin Fielding. Site Characteristics using Geophysical Technology
 April 17th - AHS-AEG Student Night
 May 13 - Doug Wolfe – Dinosaur Fossils in the Zuni Basin
 May 15 – Surface Water Issues Seminar, ADWR



Phoenix Chapter Officers

President:

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 JE FULLER HYDROLOGY & GEOMORPHOLOGY
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Vice-President:

MIKE HULST
 EEC INC
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Secretary:

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 jjensen@acstempe.com

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KEITH ROSS
 HYDRO GEO CHEM, INC.
 E-Mail: keithr@hgcinc.com

ARIZONA ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

An affiliated chapter of the National Association of Environmental Professionals (NAEP)

AZAEP FUTURE ENVIRONMENTAL PROFESSIONAL 2008 SCHOLARSHIP APPLICATION

The Arizona Association of Environmental Professionals (AZAEP) seeks outstanding students for the Future Environmental Professionals Scholarship. Four (4) scholarships of \$1,000.00 each, plus a one year student membership in AZAEP and NAEP will be awarded. The objective of the scholarship is to assist undergraduate and graduate students currently enrolled full-time in an accredited Arizona college or university to complete a degree program in preparation for a career as an environmental professional. Students must be enrolled full-time as stipulated by their program requirements. Students graduating in Spring or Summer 2008 are not eligible. All application materials must be postmarked by March 15, 2008.

Please direct any questions to Marcie Martin, Scholarship Selection Committee Chairperson, at 480-940-2320 ext 129 or marcie.martin@amec.com.

FLAGSTAFF CHAPTER

Flagstaff Chapter Officers

President
Aregai Tecle
 Northern Arizona University
aregai.tecle@nau.edu

Vice President
Corporate Board Member
Margo Truini
USGS
mtruini@usgs.gov

Secretary
Erin Young
 Fluid Solutions
eyoung@flusol.com

Treasurer
Dana Downs-Heimes
ddownshe@ch2m.com

ARIZONA HYDROLOGICAL SOCIETY 2008 ANNUAL SCHOLARSHIP

ANNOUNCEMENT

The Arizona Hydrological Society (AHS) and the AHS Foundation will award three \$3,000.00 student Scholarships in 2008. The purpose of the award is to encourage full time students in hydrology, hydrogeology, or any other water resources related fields at any Arizona university, or college to excel in their area of study. Any junior, senior or graduate student who fits into this category is qualified to apply for the Scholarship. Applications for the Scholarship must be submitted to Dr. Aregai Tecle at the address below by April 30, 2008. The Scholarship will be awarded during the Annual Symposium of the Society that will be held at the High Country Conference Center at Northern Arizona University on September 22, 2008.

The Scholarship award will be based upon the following criteria:

1. *Grade Point Average based on at least two full-year courses work*
2. *Strength of Recommendation letters (at least one)*
3. *Application letter describing the applicant's interests and career goals in hydrology and water resources*
4. *Background in hydrology and water resources related activities (provided in the applicant's resume), and*
5. *Degree of need explaining the need & how the scholarship would help Meet the need.*

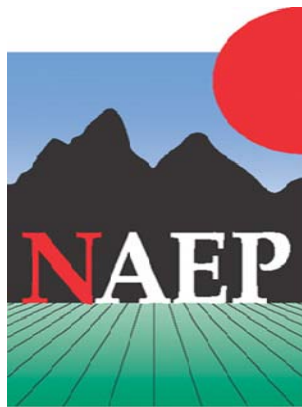
The Scholarship application must include at least the following documents to be considered:

1. Application letter
2. Official transcripts (graduate & undergraduate for graduate applicants)
3. Confidential recommendation letters (at least one)

Mail all Scholarship applications for consideration by April 30, 2008 to:

Professor Aregai Tecle
 Northern Arizona University
 School of Forestry
 P. O. Box 15018
 Flagstaff, AZ 86011-5018

Announcements



CHANGING CLIMATES

NAEP/AEP Annual Conference
The Omni Hotel/Downtown San Diego
March 25 - 28, 2008

Hot off the press! The NAEP and CAEP 2008 joint pre-conference agenda and conference registration are now available on-line at www.naep.org. The 2008 NAEP/CAEP Joint Conference will be held March 25-28, 2008 at the beautiful Omni San Diego.

The joint conference committee has produced an informative educational conference agenda with the theme, "Changing Climates" featuring over 40 sessions, 25 exhibitors, 2 informative Special Sessions, 5 mobile workshops and top keynote speakers- Huell Howser – Host of "California Green", and Julia Eirperin with the Washington Post.

Please go to www.naep.org for the most up-to-date Pre-Conference Agenda, Conference Registration and Hotel Reservations and Things to Do in San Diego.

Only 1 Exhibit booth and 2 tabletops remain. Sponsorships are still available. Please con-

tact Donna Carter at naepfl@verizon.net for availability. For additional questions regarding the conference, please contact Donna Carter at the NAEP Conference office, naepfl@verzon.net or Lynne Bynder at the AEP Conference office, lbynder@meetingsxceptional.com.

Please register today and join us in beautiful San Diego for this "Not to be Missed Conference!"

Sincerely,

NAEP/CAEP 2008 Conference Committee
P.S. We will be holding a golf outing the day as well and have attached the information to this email. Please plan to extend your stay in San Diego for a fun filled day of golf, lunch, and excitement!!

Water Facts: Interviews with Arizona water experts on Access Tucson TV

In Tucson: Monday nights 6:30 pm Comcast: Channel 72 (every other week is replay)

Outside of Tucson: Watch on Internet Mondays 6:30 pm
www.accesstucson.org (every other week is replay)



Announcements

Donations to AHS Foundation are considered charitable 501(c)(3) for tax purposes.

**Donations of any amount may be sent to the AHSF Treasurer or the AHSF President.
AHS Foundation
A. Michael Geddis,
Treasurer
2253 E Mitchell St.
Tucson, AZ 85719**

The AHS web site has a new document posted for your information. "A Strategy for Federal Science and Technology to Support Water Availability and Quality in the United States". The document was prepared by the Executive Office of the President of the United States.

Did you know that AHS has a

JOBS

page on our web site? Visit:

Www.azhydrosoc.org and then click on JOBS to view the most recent postings. If you would like to post an opening just email it to jgmerideth@aol.com and Jeanie will post it for you.

Call for Papers - CAP Award for Water Research

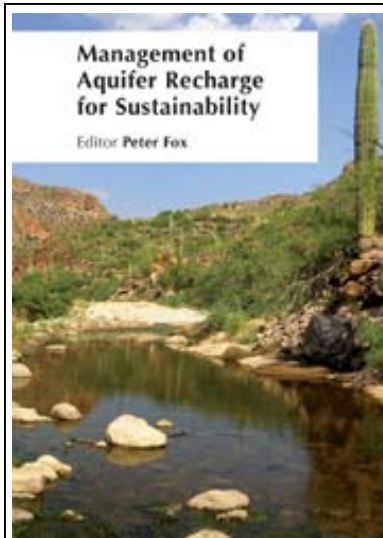
**First Place Award: \$1,000
Second Place Award: \$500**

Papers are now being accepted for the CAP Award for Water Research. Papers should focus on water issues that affect central and southern Arizona and the Colorado River, including legal, economic, political, environmental, or water management issues, as well as any other issue that might be of interest to CAP or Arizona water users. Winners will present their research at the Arizona Hydrological Society's annual symposium.

The CAP Award is available to students at any college or university in the State of Arizona. To apply, submit your complete paper online at www.cap-az.com.

Deadline: June 1

Get more information on the web at www.cap-az.com



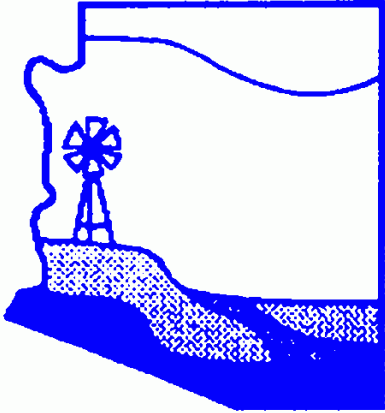
ISMAR6 –

The AHS-sponsored International Symposium for Managed Aquifer Recharge was held in Phoenix in October 2007.

The Proceedings of ISMAR6 *Management of Aquifer Recharge for Sustainability* is available through the publisher at www.acaciapublishing.com.

This is a 660-page hardbound book with articles submitted by presenters at ISMAR6.

MEMBERSHIP APPLICATION



Arizona Hydrological Society

Jeanie Merideth
Association Manager
PMB #139; 3305 N. Swan Rd. #109
Tucson, AZ 85712
(520)299-6787
Fax: (520)299-6431
azhydro@comcast.net

www.azhydrosoc.org

ARIZONA HYDROLOGICAL SOCIETY c/o Jeanie Merideth Association Manager
PMB #139; 3305 N. Swan Rd #109, Tucson, AZ 85712
Membership Application (Dues: 1 year \$45, \$15 for students)

Name: _____ Position: _____

Company: _____ Email: _____

Mailing Address: _____

Work Phone: _____ Home Phone: _____ Fax: _____

In addition to my dues, I am enclosing

\$ _____ Herman Bouwer Intern Scholarship fund (Phoenix),
\$ _____ Leonard C. Halpenny Intern Scholarship fund (Tucson),
\$ _____ for the SARSEF Scholarship fund,
and/or \$ _____ for the state-wide AHS General Scholarship fund.

Total amount enclosed: \$ _____

Chapter Affiliation:

_____ Tucson

_____ Phoenix

_____ Flagstaff