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Viewpoint: Rising Temperatures and the Annual Symposium

Remember the story of the frog placed in a pot of water who slowly cooked as the temperature of the water was gradually raised to the boiling point, although the frog would have jumped out immediately if placed in the pot when the water was already hot? That boiling pot might be considered a hydrologic extreme. The frog's failure to jump even as he cooked might be considered a poor management response.

The temperature is slowly rising, now that it is summer, but you don't want to be caught unawares in your planning for the Annual Symposium. You want to jump on registration now, so that you are ready when August 30 arrives. If your firm has not yet signed on as an exhibitor and/or a sponsor, you need to jump on the opportunity to get your name out there in front of a myriad of water professionals and hydrologists. In these times, procrastination is not a good management response. Just ask the frog.

The theme for this year's Annual Symposium is "Managing Hydrologic Extremes." The Planning Committee, ably headed by Keith Ross, is working hard to put on a first-class symposium experience. The projections are for over 300 attendees. The technical program is coming together, with an excellent set of papers that you need to hear. The field trips will interest a wide hydrologic audience. The workshops offer a chance for valuable training. And your opportunities to expand your professional and personal horizons through networking will be greater than ever, as this Annual Symposium will also be the annual convention of the American Institute of Hydrology.

I invite you to visit the Website at www.hydrosymposium.org to see more of what is going on. We have had some problems with the on-line registration process, but they have been corrected. You can also register by mail. The [Symposium website](#) has both the online and pdf versions of the registration forms. We will be sending out more e-mail reminders throughout the summer. Don't be the frog that procrastinates and thus marinates—jump now!

Alan Dulaney,

AHS Corporate Board President, 2009

2009 AHS Lifetime Achievement Award Nominations Sought

The Corporate Board of the Arizona Hydrological Society (AHS) is seeking nominations from AHS members for the AHS Lifetime Achievement Award. Any AHS member or a non-member can be nominated

for the award. The award consists of a personal recognition plaque, a rotating plaque listing all past recipients and a \$500 check to an Arizona educational organization of choice by the award recipient. The award is presented at the Annual Symposium to honor an individual who has contributed to AHS, the science of hydrology within Arizona and/or has received national fame for their contributions in the hydrology field.

Note: Lifetime Achievement Award nominations can only be made by current AHS members.

Please submit the name of the AHS member or non-member you would like to nominate, as well as details why this person deserves recognition based on the following criteria: contribution to Arizona hydrology; national reputation and experience; and contribution to the further development and education in the hydrologic field (i.e., mentoring, involvement in AHS...)

Forms, and more information about this award can be found on the AHS website:

[AHS Lifetime Achievement Award](#)

Forms may be either e-mailed to Matt Beversdorf at azhydrosoc.web@gmail.com or mailed to:

Arizona Hydrological Society
c/o Matthew Beversdorf
1753 East Broadway Road
Suite #101, Box 106
Tempe, Arizona 85282



Symposium Update:

Registration is now available online!

Now that you have submitted your Abstracts,
don't forget to keep working on your papers.

Submissions will be accepted through July 17, 2009.
[More Info...](#)



Your Logo
Could Go Here
[More info...](#)



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June Dinner Meeting

Our next dinner meeting will be held back on our regular Tuesday, June 9th, when we we will hear a presentation from Greg Zekoff from Boart Longyear. Not only will Greg be talking about “New Developments in Sonic Technology”, he is also sponsoring happy hour for all those who come to join us!

So, please join us Tuesday, June 9th at El Penasco at Mill & Broadway in Tempe to have a beverage, share business cards, and hear how Boart Longyear can help you in your projects.

Location:	El Penasco Mexican Kitchen 19 E. Broadway Road Tempe, AZ 85282
Event:	Greg Zekoff, Boart Longyear, “New Developments in Sonic Technology”
Chapter Board Meeting:	4:30 PM – 5:30 PM
Happy Hour & Dinner:	5:30 PM – 7:00 PM
Presentation:	7:00 PM – 8:00 PM
Cost:	\$15 member, \$20 non-member, \$5 student

RSVP with Kirk Creswick at kcreswick@eecphx.com or 602-248-7702.

May Meeting Summary

The May dinner meeting of the Phoenix Chapter was a celebration of Dr. Herman Bouwer and all his many contributions to the science of hydrology and to the Arizona Hydrological Society. Thanks to all who came and shared the evening with us.

Herman would also like to thank you all. He wrote this message for everyone.



To my dear colleagues and members of the Arizona Hydrological Society,

Thank you with all my heart for the surprise tribute given to me on May 12, it was indeed a big surprise and greatly appreciated. To see so many of my friends and colleagues was really amazing. Thanks to Ted Lehman for giving a fine introduction, and thanks to Gail Cordy for that wonderful presentation. It brought back so many memories. And also thanks for the nice plaque with the fine wording, it touched me very much.

What the interns of the "Herman Bower Internship Fund" had to tell about themselves and how much the money had benefitted them was great to hear and that this scholarship fund is really helping the interns and put to good use.

Thanks again for such a wonderful evening (how amazing that Jessie kept the surprise for not telling what was going on)!

Herman Bower

Herman, you are very welcome. We hope to see you at many more AHS activities in the years to come.

2009 AHS Annual Symposium Sponsors Sought

The 2009 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). Thanks to our volunteers we already have several pledged sponsors! Our thanks to:



- Gold Sponsor
 - Freeport McMoRan Copper & Gold

- Silver Sponsors
 - Clear Creek Associates
 - Columbia Analytical Services
 - Golder & Associates
 - Montgomery & Associates
 - Southwest Hydrology



- Event Sponsor
 - Central Arizona Project
 - WDC Exploration & Wells

We look forward to helping you help us promote your firms and the 2009 Symposium. Please contact Mike Hulst, EEC, at 602-248-7702 or mhulst@eecphx.com or Keith Ross, Hydro Geo Chem, at 480-421-1501 or keithr@hgcinc.com and ask for a sponsorship package.

More information is also available at our Symposium website, <http://www.hydrosymposium.org> . Check it out! I think you'll be impressed.

Planning for 2009 Symposium continues, June 8th, at Hydro Geo Chem

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 meetings is scheduled for Monday, June 8th, at 5 PM at the offices of Hydro Geo Chem (6370 E. Thomas Rd, Ste 200, Scottsdale, AZ).

If you are interested in helping with the planning process or just listening in, please contact Keith Ross at keithr@hgcinc.com or 480-421-1501. We'd love to have you and we can really use your help.

Brown Bag Water Speaker Series

Date: June 23, 2009

Speaker: Lu Ann Dahlman, Communications Specialist, NOAA.

"Causes and effects of global climate change: What we know, how we know it, and implications for the future"

Time: noon-1:30 p.m.

Location: The University of Arizona Cooperative Extension, Maricopa County, Palo Verde Room at 4341 E. Broadway, Phoenix.

Free and open to the public. Bring your lunch. There will be time for questions and answers. Please RSVP to Nancy Crocker at 602-827-8200 ext. 335 or NCrocker@cals.arizona.edu.

AEG/AHS Student Night Thank You

AEG and AHS would like to thank all of the participants, attendees, and sponsors of our 4th Annual Student Night at the University of Arizona.



We had three student presenters, Rhiannon Howard and Tracy Lund (ASU, SESE) and Alandra Khal (UA, Chemical and Environmental Engineering). All three did a great job entertaining the audience and each one also won a little scholarship money for their efforts. We also had a wonderful mix of professionals and students that made the event fun and memorable. Many geotechnical, environmental, and civil firms were represented, including AECOM, HDR, NCS Consultants, Montgomery & Associates, Malcolm Pirnie,

Western Technologies, Basin & Range Hydrogeologists, Peter Mock Groundwater Consulting, and, of course, the U of A Professors.

The following seven companies/organizations set up display booths:

- AMEC
- Gannett Fleming, Inc.
- Golder Associates, Inc.
- Ninyo & Moore
- Saguaro GeoServices, Inc.
- URS
- USGS AZ Water Science Center

Thanks again for everyone's participation and support of this very worthy event. We look forward to another successful collaboration with AEG next spring.

Particular thanks also go out to Gregg Mitchell of HDR for his help organizing the event. Randy Post, NCS Consultants, Pancho Garza, AECOM, Heather Hespler, Ninyo-Moore, and Jeff Gawad, Errol Montgomery & Associates were also crucial members of the AEG/AHS student night team. Thank you all.

Event Calendar (you may also see AHS calendar events at <http://www.azhydrosoc.org>)

- June - Greg Zekoff, Boart Longyear, "New Developments in Sonic Technology"
- July - Maybe You?
- Aug. 30- Sept. 2, 2009 - *Managing Hydrologic Extremes*, Joint Symposium of AHS & AIH, Westin Kierland Resort & Spa, Scottsdale, AZ

Tucson Chapter

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- [HydroNews](#)

June Meeting Announcement

We regret to inform you that the June Meeting has been cancelled. Please disregard any previous emails or announcements about the June meeting.

2010 Symposium Planning Committee

Planning for the 2010 symposium is underway. If you would like to get involved with planning, please contact Kate Duke of Montgomery & Associates (kduke@elmontgomery.com) or Jeff Gawad of Montgomery & Associates (jgawad@elmontgomery.com). Any help is greatly appreciated! Thanks!

Tucson HydroNews

Settlement reached to clean up 3 Asarco mines

Published: 05.26.2009

The State of Arizona has reached a \$30 million settlement with Asarco to clean up three mining properties and to transfer four miles of the San Pedro River to the State Land Department. The deal is part of a \$70 million, 11-state Superfund settlement with the Tucson-based copper miner.

The three mines to be cleaned up are:

- Trench silver, gold and lead mine that operated from the late 1930s to the early 1960s along Harshaw Creek in the Patagonia Mountains.
- Salero silver-lead mine that operated from the 1850s to the 1920s in the Santa Rita Mountain foothills 15 miles east of Tumacacori.
- Sacaton open pit copper mine northwest of Casa Grande that closed in the 1980s.

The Arizona Department of Environmental Quality said it will cost about \$20 million to remediate Sacaton and \$3 million for the cleanups at Trench and Salero, which Asarco has already started.

<http://www.azbiz.com/articles/2009/05/26/news/doc4a1485795a375452412445.txt>

UA's goal for Biosphere 2: self-sufficient science hub

Need to secure funding and answer riddles on climate change spurs sense of urgency

By Tom Beal

Arizona Daily Star

Tucson, Arizona | Published: 05.26.2009

ORACLE — They've ripped out the soil that once grew food for eight Biospherians sealed inside a glass replica of the Earth for two years, starting in 1991. A partition now segregates Biosphere 2's rain forest "biome" from what was designed to be one big, breathing organism under glass in the northern foothills of the Catalina Mountains.

If they need to, say researchers, they'll kill every tree in that biome to uncover mechanisms that could doom vast tracts of South American rain forest under models proposed by climate-change studies. There is a sense of urgency inside the towering glass temple that first attracted worldwide attention in 1991 for its "human experiment," which locked eight people inside for two years.

Biosphere 2 now seeks to attract researchers from across the globe to an ever-changing series of experiments aimed at answering one grand question: "How does life affect the way the world works?"

The urgency, says Biosphere 2 Director Travis Huxman, comes from the need to understand how life on Earth will be affected by predicted levels of climate change and from the need to attract funding for the scientific studies being proposed. The University of Arizona, with \$30 million in start-up funds from the Philecology Foundation, is building the infrastructure that will allow scientists to answer a broad array of questions in a unique setting midway between laboratory and real world.

<http://www.azstarnet.com/sn/environment/294372>

CAP picture for Tucson isn't grim, officials say

By Tony Davis

Arizona Daily Star

Tucson, Arizona | Published: 05.06.2009

Don't sell your house and leave Tucson, even though a new study warns of potentially drastic water-supply cuts in 40 years, city officials say. The city's short- and medium-term water picture is good, Tucson Water officials say, even though by midcentury, the Central Arizona Project canal could be running as little as half-full for years at a time. That could happen if a new study warning of major reductions in Colorado River flows due to global warming pans out. The study, from the Scripps Institution of Oceanography in San

Diego, predicts that river flows could drop 10 percent to 50 percent by 2050. CAP officials say major shortages aren't likely until at least 2017, and those are expected to mainly affect farmers using project water. A shortage cutting municipal supplies isn't expected until the mid-2020s, project officials say.

<http://www.azstarnet.com/sn/environment/294372>

Flagstaff Chapter

June Meeting Announcement

The Flagstaff Chapter will not be holding a chapter meeting for the month of June.

Flagstaff Internship Winner!

The Flagstaff Chapter Intern Scholarship Selection Committee reviewed several strong applications from NAU students. The Committee selected Christian Meinhardt, a Junior Environmental Engineering major, as the 2009 AHS Flagstaff Chapter Intern.



Christian will select, from a handful of projects available, two or three organizations to work with. Some possibilities at this point include various projects through the City of Flagstaff and the USGS. Christian was born and raised in Berlin, Germany, and took one year during high school to study abroad in Flagstaff. He came back to Flagstaff, seeking an education in Environmental Engineering. Christian expects this internship will help him determine where to apply his education as a career.

If your company or organization is interested in hosting Christian (and are based in northern Arizona) please email Erin Young at eyoung@flusol.com.

Aregai Tecele Receives Senior Fulbright Award to Teach and Conduct Research in Ethiopia for a Year

Dr. Aregai Tecele, a Professor in the School of Forestry at Northern Arizona University, and who has been a member of the Arizona Hydrological Society since its inception and has served it in many roles through the years has been awarded a Senior Fulbright Scholar to research at Africa Union, formerly the Organization of African States and to teach in the Environmental Science Program at Addis Ababa University in Addis Ababa, Ethiopia during the 2009-2010 academic year according to the United States Department of State and the J. William Fulbright Foreign Scholarship Board.

Teclé will research on developing an early warning system and intervention on conflicts in the offing as well as developing efficient and effective methods of resolving existing conflicts. He will also teach two courses: 1) Hydroclimate and Environmental Issues in East Africa, and 2) Conflict Avoidance and Management. Teclé is one of approximately 1,100 U.S. faculty and professionals who will travel abroad through the Fulbright U.S. Scholar Program.

[Full Press Release.](#)

Two jobs posted on AHS website

After a 6 month period of drought (pun intended) with no requests for job postings on our website, we now have two job posting requests.

1) Hydrologist with Bureau of Land Management, Grand Junction, Colorado.

2) Hydrologist in ADWR's Modeling Unit, Phoenix, Arizona.

Details and links to original jobs postings can be found on our website: <http://azhydrosoc.org/jobs.html>

Arizona Hydrological Society Foundation: Online Donation Page

The AHS Foundation would like to remind you that they are a 100% charitable organization. You can fully deduct your contribution on your tax return. The AHSF exists to promote hydrological societies, water education, and water science in Arizona and the arid southwest.

We have set up an online mechanism to collect donations to the Foundation.

[AHS Foundation Online Payment Form](#)

These donations go to support AHS scholarships, internships, and build an endowment to ensure their perpetual funding. AHSF is a very efficient giving vehicle as we have no paid staff and very low operating expenses. So, as you begin to think about your tax obligations for 2009, please consider a tax-deductible donation to the AHS Foundation.

For more information about the Arizona Hydrological Society, or to view current job listings and announcements, please visit our web site at:

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

Your membership may be renewed for 2009 by credit card through the AHS website or by mailing a check to the Arizona Hydrological Society, c/o Matthew Beversdorf, 1753 East Broadway Road, Suite #101, Box 106 Tempe, Arizona 85282. Dues remain at \$45.00 year for regular membership and \$15.00 for students. Thank you all for a great 2008 and for your continuing support in 2009. For those who attended the 2008 Flagstaff Symposium, be reminded that membership dues for 2009 were included in the registration fee.

