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the arizona-nevada academy of sciences



# eNews

Affiliate of AAAS and NAAS



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## President's corner

Thank you to Carleton 'Buck' Jones for his many years of service to ANAS and particularly his most recent term as President. It is an honor to fill in for him during the second year of his term.

William Perry Baker has served ANAS in many capacities, including President and Permanent Secretary. He recently took the position of Academic Dean at Southwestern College and immediately offered to host our 2008 annual meeting. Congratulations on your new position and thank you!

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## Annual dues reminder!

Please check your mail for the annual dues statement. Renewals are due by December 31. If you are unsure whether you already renewed, please contact our Membership Secretary, Pamela Marshall: [Pamela.Marshall@ASU.edu](mailto:Pamela.Marshall@ASU.edu)

Please encourage others to join the Academy! Our 2007 membership of 88 has dropped to 64! Online membership forms can be found at <http://www.arizonanevadaacademyofscience.org/>

# 2008 Annual Meeting

The 52nd Annual Meeting of the Arizona-Nevada Academy of Science met at Southwestern College, 2625 E Cactus Road, in Phoenix, AZ on March 29, 2008

## < Ellis Scholars

Steve Schuster congratulates one of the two recipients of the 2008 Ellis Scholarship, Jillian Moore of Mountain Ridge High School in Glendale, Arizona. Another scholarship went to Rachel Brackett, a student at Kingman Academy of Learning, Kingman, Arizona (not pictured). Jillian attends the U of A and Rachel is at NAU this fall.

## < Guest speaker

Guest Speaker - Lisa Shender, DVM, a Wildlife Disease Specialist from AZ State Game and Fish, gave a very interesting presentation on "*Chronic Wasting Disease - Fatal Prion Disease.*"



## Outstanding service award

Soe Myint (pictured at right), Assistant Professor of Geography (ASU) introduces the recipient of this year's

Outstanding Service Award, Tony Brazel (far left) with Perry Baker, Academic Dean, Southwestern College and host of 2008 Annual Meeting.



## Outstanding student papers

Winners of outstanding student papers for 2008:

- . **Tim Widener** (shown) from ASU, West campus, for his poster presentation on the *"Elucidation of novel Vitamin D receptor interacting proteins: Implications for human disease."*
- . **Jan Egan** from ASU and U of A for her poster, *"Vitamin D and APC modulate molecular crosstalk between catenin/WNT signaling and the Vitamin D receptor in colon cancer cells"*.
- . **Lydia Edgewater** from NAU for her presentation during the chemistry session on *"Possible environmental exposures of uranium from sheep"*.



## Calendar

**Don't forget these important dates!**

**January 10, 2009** – Meeting of board of governors, Glendale Community College.

**February 12–16, 2009** – AAAS Annual Meeting, Chicago.

**February 15, 2009** – Abstracts due to Section Chairs for Annual ANAS Meeting.

**February 21, 2009** – Arizona Science Olympiad for Division C High School, Glendale Community College.

If you are interested in assisting or attending, contact Karen Conzelman at 623-845-3612.

**March 13, 2009** – Pre-registration deadline for Annual Meeting

**April 3, 2009** – Meeting of Board of Governors

**April 4, 2009** – 53<sup>rd</sup> Annual Meeting of ANAS, Annual Biz Meeting, Award Luncheon

### Reminder: Grants and Awards Due Dates

Details at: <http://www.arizonanevadaacademyofscience.org/grants.html>

- \* Graduate Student Research Grants-in-Aid – November 15
- \* Undergraduate Student Research Grants-in-Aid – November 15
- \* High School Student Research Grants-in-Aid – December 15
- \* Bud Ellis Scholarship – January 15
- \* Outstanding Teacher Awards – January 31

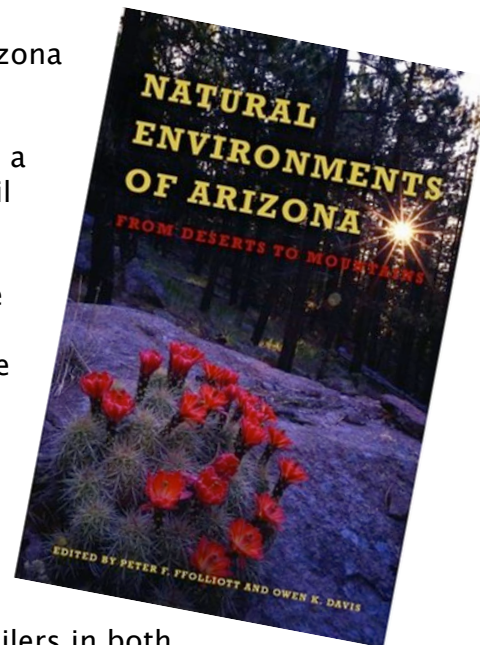


## \$100 grant-in-aid to future scholar

Prakriti Gaba was awarded a \$100 high school grant-in-aid to help fund her planned study of the *A quantitative measurement of nitrogen dioxide in different environments*. Prakriti has proposed to use spectrophotometric analysis to measure and compare the levels of NO<sub>2</sub> in a smoking and nonsmoking areas. She is a student of advanced chemistry teacher Dr. Robert Allen's at The Meadow School in Las Vegas, Nevada. Prakriti began her laboratory research this fall.

## New publication: Natural Environments of Arizona

*Natural Environments of Arizona: From Deserts to Mountains*, edited by Peter F. Ffolliott and Owen K. Davis was recently published by the University of Arizona Press. This volume brings together ten experts on Arizona (many ANAS members) to update Charles Lowe's classic book, *Arizona's Natural Environment: Landscapes and Habitats*, first published in 1964. Like Lowe's original work, this book offers a single-volume overview of such topics as climate, geology, soil and water resources, flora and fauna, and human and natural impacts on the state's biotic communities. While unified by a common environmental theme, the chapters each "stand alone as an authoritative synopsis of its particular topic." They also show the "extent to which Arizona's natural environments have changed since Lowe first set the stage for their study."



Largely an initiative of the ANAS Board of Governors under the presidencies of Ffolliott and Davis, the book's royalties will be contributed to the Academy's Goethe Educational Endowment Fund to help support student scholarships and grants in aid. *Natural Environments of Arizona: From Deserts to Mountains* is available at amazon.com and other online retailers in both hardcover and paperback versions.

## Changes to bylaws

The following changes were recommended by the B of G at our September meeting. These changes will be voted on by the membership at the annual meeting in April. Strikethroughs reflect deletions; **boldface** type, additions.

6.52 -- The Membership Secretary shall prepare and ~~mail~~ **send** notices of dues and shall keep a record of the dues paid by the members.

6.53 -- The Membership Secretary shall prepare and ~~mail~~ **send** renewal notices to all institutional subscribers to the Journal of the Arizona-Nevada Academy of Science and shall keep a record of fees paid.

-- To approve research and scholarship grants ~~make~~ **made** in the name of the Academy.

9.22 -- Additional nominations may be ~~make~~ **made** from the floor by any regular member.

## Calling for volunteers

ANAS will host a booth at Weatherfest 2009. This interactive four-hour event is sponsored by the American Meteorological Society. The event is free and open to the public at the Phoenix Civic Plaza Convention Center: Noon- 4:00 PM, January 11, 2009. If you have ideas for our booth or would be able to hand out information, please contact Robert Reavis: [robert.reavis@gcmail.maricopa.edu](mailto:robert.reavis@gcmail.maricopa.edu)

## Science and Politics

ANAS was invited by Scientists and Engineers for America (SEA) to join in their efforts to bring science into our national political conversation. One of their immediate projects is to ask questions about science and technology policy and the position of our congressional candidates.

Their questionnaire targets the seven “most pressing problems we face today – keeping America’s edge in innovation, climate change, science and technology education, energy, water, healthcare and research. “ Their website posts these questions and the answers at <http://sharp.sefora.org/innovation2008/>. You may also pose questions to the candidates through the SEA web sites.

SEA is also trying to assemble a list of individuals who are willing to serve as content experts for candidates trying to understand the science before formulating their positions. While these requests are not frequent, they could provide opportunities to foster the development of strong science-based policy. If you are interested in getting involved, contact SEA at 1-202-233-6444.

## President’s corner continued...

It was a pleasure to get to know the many new board members at our meeting in September. In addition, three positions on the Board of Governors vacant at the time of the Annual Meeting have, with the approval of the board, been filled by interim officers.

- Phil Rosen, Interim Director, Southern Arizona, University of Arizona
- Barbara Adams, Interim Director, Nevada, Nevada State Museum, Las Vegas
- Pamela Marshall, Interim Membership Secretary, Arizona State University West

They will be put before the membership with our next slate of officers in April.

Finally, Alison Waterkotte, Community Outreach Representative, Salt River Project, has joined the board as the new Science Olympiad Liaison. SRP has been a presenting sponsor of the Arizona tournament for the last five years.

~ Robert Reavis, President ANAS

## News or kudos?

If you have any news, requests, kudos, announcements, or the like, please forward to Michael Menke, newsletter editor:  
menke@u.arizona.edu



Happy Fall!



**Arizona-Nevada Academy of Science**  
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