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Annual meeting set for March 29, 2008

The Annual Meeting of the Arizona-Nevada Academy of Science will be held on **Saturday, March 29, 2008** on the campus of Southwestern College, 2625 East Cactus Road, Phoenix, AZ, from 8AM to 5PM. On-site registration and check-in will open at 7:00 am. A tentative schedule of events is listed below.

TENTATIVE MEETING SCHEDULE

7:00-8:30 am	Registration: <i>Student Activity Center lobby</i>
8:00 - 10:00 am	Paper Sessions: <i>Student Activity Center Classrooms A101, A210, A211, A212, A213, A220 and A221.</i>
10:00 - 10:30 am	Coffee Break and Poster Session: <i>Student Activity Center Gym</i>
10:30 - 11:30 am	Paper Sessions: <i>Student Activity Center Classrooms A101, A210, A211, A212, A213, A220 and A221.</i>
11:30 - 1:00 pm	ANAS Awards Luncheon and Annual Business Meeting: <i>Cafeteria</i> Luncheon speaker: <i>"Chronic Wasting Disease - Fatal Prion Disease"</i> Lisa Shender, DVM, Wildlife Disease Specialist Arizona Department of Game and Fish
1:00 - 3:00 pm	Paper Sessions: <i>Student Activity Center Classrooms A101, A210, A211, A212, A213, A220 and A221.</i>
3:00 - 3:30 pm	Coffee Break: <i>Student Activity Center lobby</i>
3:30 - 5:30 pm	Paper Sessions: <i>Student Activity Center Classrooms A101, A210, A211, A212, A213, A220 and A221.</i>

A schedule of presentations will be distributed in our March newsletter along with a map of the Southwestern College campus.

Call for Papers and Pre-registration Information

Individuals wishing to make either a platform presentation or exhibit a poster should submit an abstract and registration form and fees to the appropriate [Session Chair](#) by February 15, 2008. Guidelines for authors, sample abstracts, and registration forms can be found on the ANAS web site at: <http://www.arizonanevadaacademyofscience.org/anmtindx.html>. An [abstract form](#) is also included in this newsletter.

Other individuals who wish to attend the meeting (including co-authors who are not making the presentation) will need to pre-register by March 10, 2008 in order to attend the Awards Luncheon and Annual Business Meeting. For your convenience you may register either online (using PayPal) or by US Mail. Forms and online registration links can be found at <http://www.arizonanevadaacademyofscience.org/anmtindx.html#ddl6> or as [last page](#) of this newsletter. Please note that only those registered for the meeting receive a copy of the Proceedings volume.

Although the meeting is open to all who wish to attend, we invite non-members to consider joining the Academy. Among the many benefits of membership are discounted registration fees as well as discounted page charges for publication in the ANAS journal (JANAS)). For membership forms, please see our web page at <http://www.arizonanevadaacademyofscience.org/2joinanas.html>

ANAS Section Chairs 2008

- Posters: Erik Gergus erik.gergus@gmail.maricopa.edu 623 845 3614
- Anthropology: Florence Slater f.slater@gmail.maricopa.edu 623 845 3619
- Biology: Rob Bowker robert.bowker@gmail.maricopa.edu 623 845 3611
- Chemistry: Tim Vail timothy.vail@nau.edu 928 523 8893
- Geography: Steve Yool yools@email.arizona.edu 520 621 8549
- Geology: Robert McCord Robert.mccord@cityofmesa.org 480 644 4098
- Hydrology: Boris Poff bpoff@fs.fed.us 928 556 2154
- Mathematics: Shafiu Jibrin shafiu.jibrin@nau.edu 928 523 6868
- Psychology: Melinda Davis mfd@u.arizona.edu 520 626 7820
- Science Ed: Florence Slater f.slater@gmail.maricopa.edu 623 845 3619

Hotel Accommodations: Hotels offering discounts

- Sierra Grande Suites, 2645 East Cactus Road, Phoenix, AZ 85032 Telephone: 1-800-482-0098 and 602-482-5200
- Point Hilton Tapatio Cliffs Resort, 11111 North 7th Street, Phoenix, AZ 85020 Telephone: 1-602-866-7500

You must specify "Southwestern College" in order to be considered for special rates. There is no guarantee of availability and rates are subject to change without notice. Make sure to book your reservations ASAP.

Contact Information:

- For additional information about Southwestern College and its facilities or driving directions, please contact William Perry Baker, local arrangements organizer at wpbaker@swcaz.edu
- For questions regarding abstract submission, please contact the appropriate [session chair](#) or Florence Slater, Proceedings Editor at f.slater@gcmail.maricopa.edu

Proposed changes in ANAS By-Laws

The following changes have been proposed by the ANAS Board of Governors to be considered by the membership of the Academy. These by-law changes will be voted on at the Annual Business Meeting and Awards Luncheon on March 29, 2008. All members are invited to attend this luncheon (must pre-register for annual meeting).

5.00 -- OFFICERS

5.10 -- The officers of the Academy who also constitute the Board of Governors, shall be the President, President-elect, Past President, ~~Corresponding Recording~~ Secretary, Membership Secretary, Treasurer and ~~four~~ **to five** regional Directors, The Editor of Journal, The Editor of the Newsletter, The Editor of the Proceedings, The Permanent Secretary, and The Webmaster.

5.11 -- One director shall be chosen from each of the four geographical regions of Southern Arizona, Central Arizona, Northern Arizona and Nevada.

5.12 -- An additional fifth director will be chosen from anywhere in Arizona or Nevada as needed.

5.20 -- The ~~President-elect~~, ~~Corresponding Recording~~ Secretary, Treasurer, and Membership Secretary shall hold office for one year and the ~~four~~ Directors shall hold office for two years. They shall be elected by ballot at the Annual Meeting and shall hold office until a successor is elected.

~~5.24~~2-- The President-elect shall automatically become President at the convening of the ~~next~~ Annual Meeting ~~subsequent to the election of the~~ at which a new President-elect ~~is chosen~~. ~~Subsequent to that election the President-elect shall take over as~~ **President** and the retiring President shall ~~at the same time~~ automatically become Past President.

~~5.21~~ -- The ~~President-Elect~~, President and Past President shall hold office for ~~one~~ **two** years, or until replaced by their successors.

6.50 -- MEMBERSHIP SECRETARY

6.51 -- The Membership Secretary shall keep a record of the membership of the Academy and shall, upon request supply Section Chairs with a list of the names and addresses of section members.

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

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

6.54 -- The Membership Secretary shall provide mailing labels to the Newsletter Editor for mailing of the Newsletter and to the Editor of the Journal for mailing of the Journal.

6.55 -- The Membership Secretary shall send copies of recent issues of the journal to members and libraries that did not receive their copy with the regular mailing.

6.536 -- The Membership Secretary shall have charge of mailing copies of the Bylaws and current list of the officers of the Academy to new members and to prospective members who request them.

6.557 -- The Membership Secretary shall in December, present to the Board of Governors a report on the current membership of the Academy.

6.60 -- TREASURER

6.67 -- The Treasurer shall see that appropriate tax forms are filed with the IRS.

Judges and volunteers needed for AZ Science and Engineering Fair

More than 600 individuals are needed to serve as judges for the annual Arizona Science and Engineering Fair (AzSEF) to be held in Mesa, AZ March 18-21, 2008. AzSEF is a science fair open to all 5th - 12th grade students attending schools in the northern two-thirds of the state. The projects include investigations in the various scientific disciplines, mathematics, engineering and technology. Judges select the division and categories they wish to judge, and are placed on teams accordingly. No special training or expertise is needed. The only requirement for being a judge is an understanding of the scientific process and at least two years of college course work. Judging will take place on Thursday, March 20 from 8 am - 5 pm. Additional volunteers are needed throughout the fair to help with logistical aspects of the event such as registration, greeters, monitors, and guides. Interested judges and volunteers should register at the AzSEF website: <http://azsef.asu.edu>.

What a wonderful way to encourage the next generation of scientists!

Arizona Science Olympiad

The Arizona State Tournament will be held Saturday, March 1, 2008 at Glendale Community College. Over 25 teams of high school students are expected to compete in the more than 25 different events in the tournament schedule. Unlike many other competitions, the Science Olympiad does much more than test factual knowledge: participants are also engaged in problem solving, laboratory investigations and hands-on activities. The events of the Science Olympiad are aligned with both National and state standards for science education. While the tournament itself is only one day, participation in the Science Olympiad provides a wealth of learning opportunities throughout the year.

Preparing to compete in the various events also provides a vehicle for students to form new friendships and bond as a cohesive team. Camaraderie is as important to the Science Olympiad as competition. Academy members are encouraged to come and enjoy the ingenuity of some of the state's outstanding young scientists and engineers in such events as Robot Ramble, The Wright Stuff, Boomilever, and Electric Car. The competition begins at 8 am and ends about 2:30 pm; the awards ceremony will recognize the top seven finishers in each event with ribbons and medals and the top seven teams overall. The first-ranked team will represent the state at the National Science Olympiad in Washington, DC in May.

For more information, please visit our web site at <http://www.gc.maricopa.edu/biology/so>

The AZ Science Olympiad is an affiliated organization of ANAS.

In Memoriam - Bud Ellis



Dr. Albert (Bud) T. Ellis, 77, passed away on October 15, 2007. An ANAS member since 1957, Bud provided many years of leadership to the Academy serving in various capacities on the Board of Governors, including President. He has been honored as a Fellow of the Academy and with its first Outstanding Service Award in 1994. The Bud Ellis Scholarship, awarded annually to an outstanding high school senior majoring in the sciences and attending a university in Arizona or Nevada, was established in recognition of his lifetime of contributions to the organization. Dr. Ellis was among those celebrated at the Founders Dinner held during the ANAS 50th Anniversary meeting

in April, 2006.

Bud earned Bachelor and Master of Science degrees in Botany from the University of Arizona and a Ph.D. in Plant Sciences also from the University of Arizona. He taught in the Botany Department of the University of Arizona before taking a position as chairman of the Biology Department at Glendale Community College. He received the Outstanding Faculty Award from Glendale Community College in 1982. His professional activities included: AZ supervisor of the Outstanding Biology Teacher for the American Institute of Biological Sciences; Chairman of the Natural Areas Advisory Council for the AZ State Parks; Site Director for the AZ Science Olympics Program; President of the AZ Natural History Society. Bud was an avid naturalist, biologist, fly fisherman, photographer,

camper, and traveler. He also served as a Combat Infantryman with the 1st Cavalry Division during the Korean War.

The family has requested that contributions in Bud's memory be made to ANAS for the Bud Ellis Scholarship. Checks may be sent c/o Karen Conzelman, ANAS Treasurer, Glendale Community College, 6000 W. Olive Avenue, Glendale, AZ 85302. ANAS is a 501 (c) (3) non-profit organization.

Call for Kudos

Have you recently had a manuscript published or grant funded? Have you recently received an advanced degree or certification? How about a professional award or distinction? Members, please let us know about your accomplishments so that we can include them in the next ANAS newsletter. Not only does this help keep us apprised of the accomplishments of our regional colleagues, it also lets us learn more about the scientific milestones reached in our own backyards. Please send your news to ANAS Newsletter Editor, Michael Menke at menke@u.arizona.edu with subject line ANAS Kudos. The ANAS newsletter is published quarterly.

(please send electronic copy of this abstract to appropriate [section chair](#) as an e-mail attachment)

**PAPER PROPOSED FOR THE _____ SECTION
OF THE ARIZONA-NEVADA ACADEMY OF SCIENCE ANNUAL MEETING**

Speakers: Time required for presentation: _____ minutes (not required for posters)

Submitted for Best Student Presentation or Poster (Mark One) ____ Yes ____ No

Address: _____

ZIP _____
e-mail _____

Registration Fee. If there is more than one author, **only the PRESENTING AUTHOR should submit the registration fee with this abstract..** The registration fee includes lunch. . **Deadline Feb. 15**

(Please mark with X)

Member _____\$35.00
Non member _____\$45.00
Student- Member _____\$15.00
Student- Non member _____\$20.00

Please make checks payable to ANAS and send with this form to session chair. If one check is being used to pay for multiple papers, please clearly indicate the first author of each on the memo line of the check.

Co-authors and others planning to attend the meeting may register by submitting pre-registration form (see next page) with a check for their fees. **Pre-registration deadline for non-presenters is 3/10/08**

ANAS ANNUAL MEETING PREREGISTRATION – **Non-presenting attendees**

DEADLINE March 10, 2008

Please Mark with X: ANAS Member _____ ANAS Nonmember _____

Name: _____

Address: _____

Telephone (____) _____ E-mail _____

Please check the appropriate category below: (preregistration includes lunch)

<input type="checkbox"/> Student Member	\$15.00
<input type="checkbox"/> Student Nonmember	\$20.00
<input type="checkbox"/> Member (\$35 at Meeting, no lunch)	\$35.00
<input type="checkbox"/> Nonmember (\$45 at Meeting, no lunch)	\$45.00

PLEASE NOTE: There will be NO lunch tickets available for purchase on-site. Please preregister to insure your space at the luncheon and at the annual business meeting.

Only those paying registration fees receive a copy of the Proceedings volume.

ALL PREREGISTRANTS MUST INCLUDE PAYMENT WITH THIS FORM

Make checks payable to: Arizona-Nevada Academy of Science (ANAS) and mail both a hard copy of this form and your check to:

Florence Slater
Department of Biology
Glendale Community College
6000 W. Olive Avenue
Glendale, AZ 85302

by March 10, 2008.

Non ANAS members please complete the following:

Section Affiliation: circle as many as apply and mark primary interest with "*"

Anthropology	Biology	Chemistry
Conservation	Geography	Geology
Hydrology	Mathematics	Psychology
Science Education		