

eNews

Claude Monet, *Autumn at Argenteuil*, 1875

President's Corner

Robert McCord, ANAS President



I am pleased to report many new projects by the Academy to better serve our membership. Details of the Journal online are given elsewhere in this newsletter, but we are also exploring ways to get the *Proceedings of the Arizona Nevada Academy of Science*, as well as hydrology publications online too.

Past President Owen Davis has gone through the archives and compiled a list of all our Fellows. Thanks Owen! The Fellows Committee has been reformed, and is already

vetting a slate of candidates for election to Fellow status at the next meeting.

We have established an archive at Arizona State University, and are also depositing a complete set of JANAS at the Arizona Museum of Natural History library. The Journal is receiving excellent submissions for publications, but I'd like to take this opportunity to urge you to consider submitting to the journal, and to suggest it to your students as well.

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Editor, J. Michael Menke, menke@email.arizona.edu

We continue to support the Science Olympiad, and I'm pleased to announce that the next State Tournament will be at Glendale Community College on March 6, 2010. Finally, we have a dynamic new regional director in Nevada, and

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Where are they now? LES LANDRUM

ANAS member since 1987, Les Landrum, Senior Research Scientist and Curator of the ASU Vascular Plant Herbarium (along with Don Pinkava, Herbarium Director, Emeritus), has been an important force in cataloging Arizona's flora. Many plant families were documented in seven special issues of JANAS (<http://www.arizonanevadaacademyofscience.org/jfloralalpha.ms.html>). These floral issues are the most highly requested back issues of the journal.

Since then Landrum has started a new online journal, *Canotia: A New Journal of Arizona Botany*, devoted to

completing this work. The journal is printed and distributed to approximately 35 libraries; individual copies can be downloaded for free at <http://collections.asu.edu/herbarium/canotia.html>. The ultimate goal is to gradually create a more current manual for the identification of Arizona's approximately 3900 vascular plants. From Les' perspective, documenting existing biodiversity is critical to any efforts at conservation and preservation.

The ASU Vascular Plant Herbarium is an important research and teaching facility.

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A fellow of the Academy, Les Landrum was co-editor of JANAS from 1991-2003

ARIZONA MUSEUMS SPECIAL EXHIBITS

ARIZONA SCIENCE CENTER, PHOENIX

Robots. The Interactive Exhibit through February 14, 2010
<http://www.azscience.org/robots.php> &
<http://www.azscience.org/exhibitions.php>

BERLIN AGAVE YUCCA FOREST, GRAND OPENING

Desert Botanical Garden, 1201 N. Galvin Parkway, Phoenix, AZ 85008, 480-941-1225
<http://www.dbg.org/index.php/plan/calendar/eventdisplay?event=berlinagaveyuccaforest>

BOYCE THOMPSON ARBORETUM

37615 U.S. Highway 60 Superior, AZ 85273

- ◆ Weekend bird walks, through December 6, 8:30 am
- ◆ See <http://arboretum.ag.arizona.edu/events.html> for exact dates and also for information on other guided nature walks and special events

ARIZONA MUSEUM OF NATURAL HISTORY,

53 N. Macdonald Street, Mesa, AZ 85201, azmnh.org

- ◆ Therizinosaur: Mystery of the Sickie-clawed



Giuseppe Arcimboldo, *Autumn*, 1573

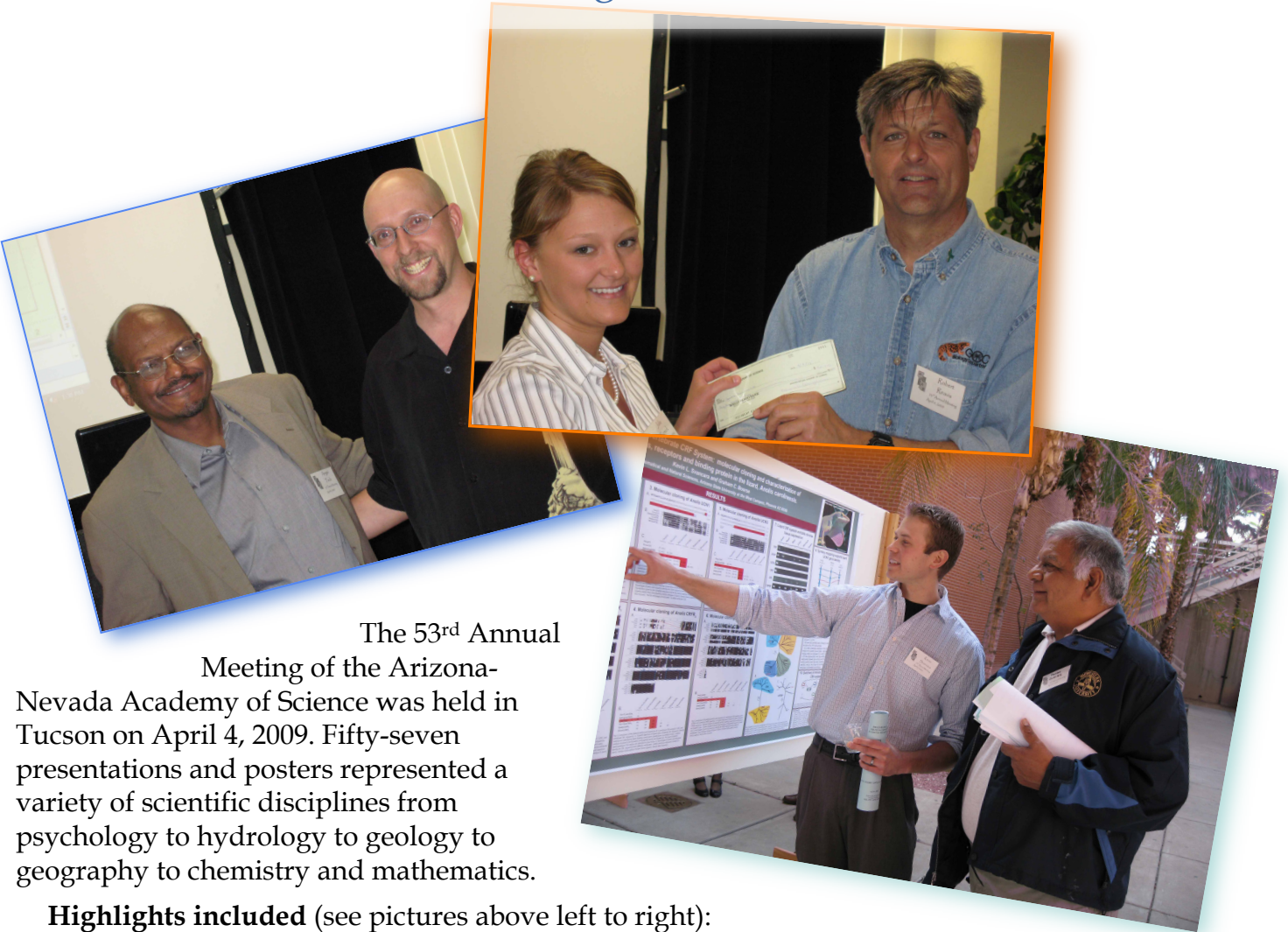
- ◆ Dinosaur, through July 2010, and...
- ◆ Prehistoric Pronghorn, Ancient Antelope, through July 2010

LAS NOCHES DE LAS LUMINARIAS

December 3rd-30th.

- ◆ <http://www.dbg.org/index.php/lumi9>
 Desert Botanical Garden, 1201 N. Galvin Parkway, Phoenix, AZ 85008, 480-941-1225

April 4, 2009: Arizona Nevada Academy of Science 53rd Annual Meeting in Tucson



The 53rd Annual Meeting of the Arizona-Nevada Academy of Science was held in Tucson on April 4, 2009. Fifty-seven presentations and posters represented a variety of scientific disciplines from psychology to hydrology to geology to geography to chemistry and mathematics.

Highlights included (see pictures above left to right):

- **Aregai Teclé** was recognized for his contributions to the Academy with the Outstanding Service Award (pictured above with his former graduate student and presenter Boris Poff).

Best student paper recipients were:

- **Julie Furmick**, ASU (pictured above with Robert Reavis, outgoing president) - "Biological Evaluation of Novel Bexarotene Analogs for the Treatment of Cutaneous T-cell Lymphoma,"
- **Kevin Svancara**, ASU (pictured above discussing his work with Pedro Chavez, ANAS Permanent Secretary) - "Molecular Cloning and Characterization of CRF-like Peptides, Receptors and Binding Protein in the Lizard, *Anolis carolinensis*."
- **Adam Springer**, U of A, (no photo available) - "Creating Resilience in Watershed Stakeholder Groups Through Social Network Analysis"

Luncheon speaker was **Hui Chen**, graduate student in water resource management at University of Arizona, presentation on the South to North Water Diversion Project in China.

Save the Date for the 54th Meeting in Flagstaff on April 10, 2010.

Leslie Landrum, continued

Under direction of Don and Les, the herbarium has grown to be the second largest in the arid southwest. Its holdings include over 270,000 pressed, dried, mounted and documented specimens, including one of the best collections of Cactaceae in the world. It also has complete floral treatments of various regions of the state (e.g., the Superstition Mountains wilderness, Seven Springs recreation area). Checklists of these regional floras are available online.

The herbarium is involved in a number of other important projects. Since 2003, it has been working along with the herbaria of NAU and U of A to database and geo-reference the holdings of their collections. All of this information is now available online in the Southwest Environmental Information Network:

<http://swbiodiversity.org/seinet/index.php>

SEINet provides a searchable database of floral collections in Arizona, Southern California, Utah, New Mexico, and Sonora, Mexico and also offers customizable regional species lists, species-specific profile pages with distribution maps, an image library, and a dynamic identification key. SEINet originated with the ASU Herbarium and has expanded to integrate data of other partner institutions. It is a great resource. The herbarium staff also responds to inquiries from faculty, students, teachers, and the general public, and provides services such as plant identification and voucher specimen archiving.

Landrum's personal research has mainly concerned the evolution and classification of the myrtle family (Myrtaceae) particularly in South and



Central America. He first became interested in this group of plants while serving in the Peace Corps in Chile. His work has also brought him to New York Botanical Garden, the California Academy of Sciences, San Francisco State University and the University of California at Berkeley before coming to ASU in 1986. He was awarded Fulbright Scholarship in 1995 to study in Paraguay and Brazil. Les teaches courses on Arizona Trees and Shrubs and Local Spring Flora for ASU's School of Life Science.

A fellow of the Academy, Landrum was co-editor of JANAS from 1991-2003. He continues to serve the Academy by distributing back issues of the journal. Landrum is also active with the Arizona Native Plant Society: <http://www.aznps.com/>

CALL FOR PAPERS!

The 54th annual meeting of the Arizona Nevada Academy of Science will be held

Saturday April 10, 2010 at

Northern Arizona University in Flagstaff, AZ

We invite authors in:

Biology and Biotechnology + Chemistry + Geology + Geography +

Hydrology + Mathematics + Psychology

Send abstracts to session chairs by:

Friday February 19, 2010

Information about submitting an abstract can be found at
<https://arizonanevadaacademyofscience.org/anmtindx.html>

Cool Stuff in Flagstaff

Flagstaff Daily Tours

Coconino Center for the Arts
2300 N Fort Valley Road
11:00 a.m. – 5:00 p.m.
Tuesday – Saturday
Call for Information 928.779.2300

Coconino Center for the Arts

2300 N Fort Valley Road
11:00 a.m. – 5:00 p.m.
Tuesday – Saturday
Call for Information 928.779.2300

Museum of Northern Arizona

3101 N. Fort Valley Road
9:00 a.m. – 5:00p.m.
Call for information 928.774.5213

The Arboretum at Flagstaff

4001 S Woody Mountain Road
9:00 a.m. – 5:00p.m. (open through
10/31/08, Reopens 04/1/09)
Call for info 928.774.1442

IMPORTANT!

BEFORE DECEMBER 31, '09



Academy membership is on a calendar year basis. Watch for a reminder in your email box to pay your dues for 2010. Be sure to renew right away so you don't miss any important communication or publications. If you have any questions about your membership status, please contact Membership Secretary Pamela Marshall (pamela.marshall@asu.edu).

Also, please consider making a charitable gift to our Educational Endowment Fund before the end of 2009. The earnings from this fund will be used for student scholarships, awards and grants in aid. ANAS is a 501(c)3 nonprofit organization. You can make a tax-deductible contribution online when you renew your dues or send a check (payable to ANAS, Memo: Endowment Fund) at any time to:

Karen Conzelman, Treasurer
GCC, 6000 West Olive Avenue
Glendale, AZ 85302

Help us cultivate new scientists!



The ANAS has taken steps to establish itself as an important presence in the online scientific community. Digitization of the complete archives of the Journal of the Arizona Nevada Academy of Science and the Journal of the Arizona Academy of Science has just recently been completed by JSTOR. Electronic versions of all articles are now available electronically.

<http://www.jstor.org/action/showPublication?journalCode=jarizacadsci> (1959-1977)

<http://www.jstor.org/action/showPublication?journalCode=jariznevaacadsci> (1978 +)

The most recent issues of JANAS are now available on BioOne [<http://www.bioone.org/loi/jana>]. Full text articles are available to individual and institutional subscribers. Abstracts and references are available to all users.

If your affiliated institution does not subscribe to JSTOR and/or BioOne, individual access will be a new benefit of ANAS membership in 2010.

In addition, several other ANAS publications are being made available as pdf files via our web page. The Proceedings going back to 2000 Annual Meeting are currently available at <https://arizonanevadaacademyofscience.org/jp rocd.html> . We will try to gather as complete an archive as possible. If you have hard copies of earlier Proceedings, please contact us.

Archives of the annual Hydrology Proceedings will be coming soon.



Be on the lookout for Volume 41(2) of JANAS - also

coming to your mailbox soon. If you would prefer to no longer

receive a paper copy of JANAS, but instead receive email notification of publication and access the journal electronically through BioOne, please contact Membership Secretary Pam Marshall (pamela.marshall@asu.edu).

Finally, **please consider submitting a paper to JANAS.** It is a well-respected journal particularly for publication of research of a regional nature. Manuscripts are peer reviewed. Remember one of the benefits of membership is a discount on page charges.



President's Corner, continued from page 1

I have high hopes for renewed membership and participation from the state.

There are many jobs to do in the Academy, and there is a natural tendency for those to be filled by members that are known to the officers and committee heads. Let me take this opportunity to say that we welcome interest from all our membership, and if you have a desire to serve in any capacity please let us know. The many responsibilities associated with the upcoming annual meeting might be a good place to start.

I welcome comments, suggestions and questions from the membership. If you have any please contact me at robert.mccord@mesaaz.gov. Hope to see you all in Flagstaff!

*Robert McCord,
2009-2010 President
Arizona-Nevada Academy of
Science*



Bayeux grapevines, 2009. J. Michael Menke



*The roundest knight at King Arthur's round table was Sir Cumference. He acquired his size from too much pi.
I thought I saw an eye doctor on an Alaskan island, but it turned out to be an optical Aleutian.*

MICHAEL MENKE
EDITOR

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