



# Arizona Branch AALAS Newsletter

Vol. 20 No. 2  
April 2007

Arizona Branch of the American Association for Laboratory Animal Science

**Have you sent in your membership renewal? If not, see form on last page.**

## Coming Soon: Avian Flu Video Conference in July, and Fall Fun Event at Kartchner Caverns in October

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### Arizona Branch AALAS News

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### President's Message

Greetings Arizona AALAS! First, I have to say a huge "thank you," to all of the contributors to this newsletter and to Grace Aranda for creating and keeping us up to date with the Arizona AALAS web site. They have done a spectacular job of keeping up with the flurry of events that make this such an exciting organization!

President Elect Jeff Williams is working on getting our Speaker for the summer video conference in July. He has been speaking with Dr Keith Ameiss and it looks like we will have a great presentation on Avian Flu. Something to really look forward to.

Your Technician Branch Representative Cindy Madura and Southern Board Member Paula Johnson have been working to get the Fall Fun Event set up for October. We have some information on our tour of choice, the Big Room of Kartchner Caverns and Cindy teases us with a little information in her TBR Corner. They are checking into getting a special bat presentation to go with the tour and she will tell you more about it in the months to come.

AZAALAS is a huge resource for those of us that work in this unique field of laboratory animal science. There are opportunities for career development, personal growth and education. There is a sense of kinship here. It comes from not having to sweat that often dreaded question: "So, what do you do for a living?" And, we have fun. We go places and do things. And, we make a difference.

I have been deliberately vague about all the "who, what, when, where and why's," that make AZAALAS so great. But, because, I really want you to know and experience it for yourself, I have the following suggestions.

### Important Branch Dates

District 8 Meeting in San Diego -  
4/11-13/07  
Avian Flu Video Conference in July  
Fall Fun Event - Kartchner Caverns  
Tour in October  
Holiday Installation - 12/8/07

- Read through your newsletter
- Log on [www.AZAALAS.org](http://www.AZAALAS.org) and explore all it has to offer
- If you have not renewed your membership by now you're not a member in good standing, JOIN!
- If you are an "active member", thanks and keep your feet wet
- If you're a "passive member," GET YOUR FEET WET!
- Tell new employees and co-workers about AZAALAS - we have a membership brochure that can be downloaded from the website. Print them up and keep them on hand.
- Contact your board members when you have questions, ideas or suggestions, we are here to represent you so keep in touch!

Don't forget to check out our latest ALAT puzzle out on our website. It is all about hamsters, guinea pigs, rabbits, rats and mice and will really get your brain working.

I will close with congratulations to Luann Wyly, UA University Animal Care, who is newly AALAS ALAT certified. Way to go Luann! Want your facilities newly certified folks to get an attaboy too? Let us know.

If you have any questions or comments feel free to contact me. Jeri Ellis - (520)621-9699 or [jkellis@u.arizona.edu](mailto:jkellis@u.arizona.edu).

**Many Thanks to those companies who made our 2007 Spring Symposium a success!  
Please show your support for them by thinking of them first when making a purchase!**

**Exhibitors**

Allentown Inc.  
Ancare  
Bed O'Cobs  
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Getinge USA  
Harlan  
Hazard Technology

Innovive  
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Lynx/Clordisys Solutions  
Pharmacal  
Quips Labs  
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Steris Corporation  
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Pharmacal  
Quip Labs  
Roe  
SMC

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World Courier

**Hospitality**

Allentown Inc.                      Getinge USA                      Lab Products                      Steris Corporation

**Poster Awards**

Charles River Labs                      Covance                      Tecniplast USA

**& A very special thank you to Lithgow Lab Service for their D8 sponsorship.**

**Past Meeting Minutes**

**Minutes of the 12/21/06 Board Meeting**

Meeting began at 11:43 a.m. The meeting was held in the conference room of the Central Animal Facility at the University of Arizona in Tucson, St Joseph's

Hospital, Arizona State University, Northern Arizona University and Gore

President Tim Martin opened the meeting and reported that the AZ AALAS spring symposium on February 16<sup>th</sup> will be in Phoenix at the Embassy Suites Hotel Phoenix Airport. This is a one day event with two breaks and a

lunch. Preliminary registration fees will be around \$50 and Vender table fee will be \$100, which includes food for one person.

**Member Profiles**

**Frank McFadden, Arizona Branch Vendor Liaison**

Frank is the Western Regional Accounts Manager in the Life Science/Laboratory Research Division of Getinge USA, is our new Vendor Representative. He lives in San Diego, California, but has been an active Arizona AALAS Branch Member for the past year and a National Member for three years. He graduated from San Jose State University and spent 17 years in healthcare selling surgical/video/laparoscopic equipment and disposable surgical products directly into Operating Rooms. The company he worked for was bought out by Getinge and he managed their Infection Control as well as the surgical territory for the southwest. When a position became available in their Life Science division he entered the field of animal care and biomedical research. He became interested in all aspects of animal science, "however," he said, "I tend to lean towards issues regarding technicians, managers and directors. Dealing with cage washing, autoclaves and bedding dispensing and removal." Frank wanted to be a commercial pilot and received his private pilots license at 19. He enjoys weight training, body building, basketball, hockey, riding his waverunner, and gardening, but most of all he likes being a parent. He lives with three women, his wife and two daughters, a female cat and one fish. He has seven humming bird feeders around the house and they have hummingbirds all year around. "You would be amazed at the amount of work involved with the feeders." At Getinge he received the Rookie of the Year award, was the President's Award winner for two years, and Summit Club Award (for fiscal responsibility) winner for four years. He has been on the District 8 council for two years and is the Vender Liaison for the Northern Rocky Mountain Branch. He was successful in bringing an AALAS LATG Workshop to NRMB for technicians preparing to take their test. His motto is "get involved and help others whenever possible" and we are glad he is our Vender Representative.

**Paula Johnson, Southern Board Representative**

Paula Johnson is an Associate Veterinary Specialist at University Animal Care and the consulting veterinarian at the Southern Arizona VA Health Care. She was born in San Diego, but came to Arizona from Minneapolis in 1970, received a BS at the University of Arizona, earned her DVM at Colorado State University, and returned to Arizona to become a practicing veterinarian. She came to the UA's College of Medicine to do research in cardiac teratology (primarily heart defects due to environmental contaminants.) in 1988, and received a MS in cardiology in 1992. Paula had her start in 4-H and always wanted to be either a "Dog Beautician", a horse trainer, or a veterinarian with an interest in research. In 1997, she became a veterinarian at UAC. Good health for the animals and for the people who work with them are very important to her. She has been a national and Arizona branch member of AALAS for over 10 years. She served as president of Arizona Branch a few years ago and is currently the Southern Board Member. Paula is single and her dependents are either furred, feathered, or scaled. She has a small menagerie at home with three dogs, a cat, an African Grey Parrot, fish, and a mule she enjoys riding. She is also a fan of comedy movies. She credits her father for most influencing her direction in life and she recommends others to do what they love. Paula is deeply involved in community and university outreach and enjoys promoting the sciences at the K-12 levels. She is President of the Board of Directors of the SciEnTeK-12 Foundation and Deputy Director and Chief Judge of the Southern Arizona Regional Science and Engineering Fair. She tries to "encourage them (elementary students) to see the benefits of science and the joy of working with animals. It is a rewarding way to earn a living!"

Additional company reps will need to pay the \$50 registration fee to cover food costs. Part of both fees will go to cover the room fees. Grace will send out a reminder for the final deadline to submit abstracts. Grace also plans to send out a specific mailing to those who have registered for the 2 day MSMR/SwAEBR IACUC and IBC Post Approval Compliance conference on February 14<sup>th</sup> and 15<sup>th</sup>. Tim suggested that the agenda for the meeting be scheduled from 9am – 4pm with registration from 8am – 9 am, lunch from noon – 1pm and to end the meeting with a game/quiz by Bruce Kennedy. Bruce is a national

AALAS officer and we can request he attend as such and AALAS will pick up part of the cost. Grace has the form to make the request and she and Tim will look into what costs we would need to allow for Bruce's airfare, per diem or registration.

Secretary Chrystal Redding distributed the new membership. We currently have 51 paid members for 2007. Tim asked that we all please remind those in our facilities that memberships are due and board members must be paid by January 30 to stay on the board.

Treasurer Grace Aranda distributed the financial report. There is currently \$5438.16 in our various

accounts as of the end of November. The cost of the spring symposium will be approximately \$2500 based on past years attendance of around 40 people.

Grace provided and report on the Louise Brooks Memorial. Current net total for the raffle is \$2143.83 though there are a few donations still pending. Final numbers will be in by January.

Grace provided a final report on the Buyers Guide. Total revenue came to \$1543. The Buyers Guides have been mailed. New vendor forms are available on the website and are due April 30. Some submissions have already been

received for the next issue.

Grace distributed a draft of the January newsletter. Presidential messages and past minutes need to be submitted by January 8. The committee also needs member profiles for all those that have not completed one in the past. Grace will distribute the profile form to board members. We are encouraged to have their local members submit profiles as there is a continued need for future newsletters. new AZ AALAS Secretary Sandra Schenone and AZAALAS Technician of the Year Dustin McAndrew need to turn in profiles.

The minutes from November 16, 2006 were approved as submitted. The next board meeting will be held on January 18<sup>th</sup>.

The meeting was adjourned at 12:08 p.m.

#### **Minutes of the 1/18/07 Board Meeting**

Meeting began at 12:04. The meeting was held in the conference room of the Central Animal Facility at the University of Arizona in Tucson, St. Joseph's Hospital and Arizona State University via conference call.

President Jeri Ellis thanked everyone for taking the time to attend and called for the review of the minutes from December 21, 2006. Minutes were approved as submitted.

Treasurer Grace Aranda distributed the financial report. There is currently \$7,006.16 in our various accounts (Checking, Savings, Money Market) as of December 31, 2006. There are some items still outstanding from last month: board meeting call, printing, awards, charity checks yet to be written.

Secretary Sandra Schenone distributed an updated membership roster. We currently have 56 paid members for 2007. Reminder was given that board members must have their dues paid by the end of the month to remain on the board. Be sure to encourage all your local employees to join the branch.

Newsletter editor Grace Aranda distributed a draft copy of the January newsletter. Information still missing includes past and current president messages. Pieces should be submitted by noon tomorrow to get it to the printers. Registration forms are in the newsletter so we can't wait much longer to distribute them.

Grace provided a Buyers Guide update. The summary has been updated to include numbers from last year as suggested at a past board meeting. All board members should review the companies list and encourage their local vendors to sponsor the buyers guide. New vendor forms are available on the website and are due May 1. Someone from ASU will contact Jeff Raposa of CEM and Steve Smith of CBS to encourage their listings in the Buyers Guide.

Tech week is January 28-February 3. Each facility will report what they did for the newsletter. We will again reimburse for up to \$25 dollars for institution. University of Arizona will postpone Tech Week until after their AAALAC inspection as it would pose a distraction and they can provide more at a later date.

Sally Ride Festival will be held February 25 at ASU. Tim, Sandra, President Elect Jeff Williams, Central Board representative Jaime White-James and Dona Sledge have volunteered for the event. Grace and Southern Board representative Paula Johnson will be tabling for SwAEER. Tim has the Operation board games he brought last year and will bring them again. He will order more Animal Research Saves Lives wrist bands. Grace was asked to bring Thank Research Posters as well as the prism goggles and bean bag experiment from last year. Tim mentioned that if we will be doing this annually SwAEER might look into purchasing their own goggles.

Tim reported that the schedule for the Spring Symposium is almost complete. One speaker has dropped out so he still has two open spots. If anyone knows of a good speaker contact him to get

them on the schedule. Each speaker will have 15 minutes to speak, and a 5 minute Q & A session. There is only one scheduled poster to date so we should all encourage more submissions. Jaime and Sandra will bring their posters from other meetings. Grace reported that we will only be doing a catering contract as rooms are short this year. This kind of contract will work out well for us since we won't be responsible for selling sleeping rooms. Contract should be signed by the end of the week. Seating capacity is 70. We have space for 15 exhibitors. MSMR/SwAEER has 40 registered for their conference prior to the symposium and we have done a direct mailing to these attendees. We have submitted the form to the national office to request Bruce Kennedy to appear at this meeting. His airfare will be paid by National AALAS, his room and board will be taken care of by local AALAS and Tim is arranging this with Bruce.

The board is looking into ideas for the summer fun event. Since the symposium will be in the Phoenix area Tucson should host this year. A cooler event was requested and the suggestion was made to arrange a group tour of Kartchner Caverns. Grace will look into dates and pricing. Phoenix folks would like hotel information provided as well.

Meeting adjourned at 12:30 p.m. Our next meeting will be February 1st.

#### **Minutes of the 2/1/07 Board Meeting**

Meeting began at 12:00. The meeting was held in the conference room of the Central Animal Facility at the University of Arizona in Tucson, St. Joseph's Hospital and Arizona State University via conference call.

President Jeri Ellis called for the minutes from January 18, 2007 to be approved as submitted.

Treasurer Grace Aranda reported that our membership is currently at 67 members. Membership is still coming in and

she will report the number to the national office today for the Branch Challenge.

Grace reported that the January newsletter is out. Extra copies were made to deliver to investigators to encourage participation in the symposium and membership. Regional board representative's (Patsy, Jaime, Paula) are responsible for getting member profiles for the newsletter and we need them to actively look for some for upcoming issues. If you need to have a profile form sent to you let Grace know. We will need someone from each facility submit an article on their Tech week celebration by the end of February. The Tucson event has been planned for the 22nd.

Grace reminded folks that the Sally Ride Festival will be held February 25. Tim, Jaime, Jeff, Donna and Sandra have volunteered for the event. Tim has all the board games he brought last year to use again this year, and he will bring 500 "Research Saves Lives" wristbands. Tim will get the prism glasses and bean bags from BNI for the SwAEER table and Grace will collect various informational items for distribution. Jaime will bring the anatomical posters for viewing.

Grace gave us an update on the Spring Symposium. We have had submissions for more vendors and have had to extend the vendor room so will be using the entire ballroom. A \$750 charge will be incurred for the extra room. We have had 2 vendors donate to sponsor \$150 poster awards. Vendor raffle to be held at days end. A CEU certificate has been added to program. Please be sure to review the program so we can get it to the printers. Jaime will be added to registration committee. Jeff is to be poster judge and Grace will distribute poster judging forms electronically so judges will know what to look for. 54 people have registered so far and registration has been extended to February 7. Ann Baldwin and Isabelle Cote are presenting but not registered yet, Tim will look into this and Grace will get him information to notify them. Registration committee

to show up at 7:30 on the 16<sup>th</sup> to help set up. Jeri Ellis to open symposium, Tim Martin will be moderator. We have one speaker who is having surgery and is trying to arrange a replacement but we may need someone for the 8:40time slot. Tim will work with Colleen regarding any needed AV equipment.

Summer fun event to be Kartchner Caverns. Big room is closed from April to October so if we want the tour to include it we will need to schedule it before then. Cost is about \$20/person, parking \$5. Grace will collect more information and distribute it to the board listserve.

Meeting adjourned at 12:30

### Arizona AALAS Symposium

The Arizona AALAS/SwAEER Spring Symposium was held 2/16/07 at the Embassy Suites Phoenix Airport. This years event was attended by over 50 members and vendors. Scheduled events included an interesting selection of speakers presented throughout the day. The topics ranged from husbandry considerations to some of the intricacies of contract testing, with excellent audience participation. Vendors filled a room next door and were very gracious in answering the many questions posed by attendees. A nice array of snacks was provided during the day sponsored by vendors and a delicious buffet lunch was served outside in the courtyard. Posters were presented in the speaker's room, and at the end of the day three were chosen for awards. At the end of the day a vendor raffle was held in which all participants won something. Things wrapped up about 4 pm., just in time for rush hour! Many thanks to all those who worked to make this meeting a success. - Sandra Schenone

This was my first symposium as your vendor liaison and actually my first Spring Symposium for the Arizona AALAS. I enjoyed the symposium and thought it was very well attended and feel honored to support the

branch. I especially enjoyed the posters and the enormous amount of work, thought and effort that went into each and every poster. Yes, as one of the poster judges I did read them all. I enjoyed meeting a lot of new people and being able to match a face to all those voices on the phone and emails. Being a part of a platform where in my small way, and with the help of my company, we were able to help others learn was great. I look forward to our next event. - Frank McFadden

### International Tech Week

#### Arizona State University



On 2/6/07 ASU Department of Animal Care and Technologies celebrated our Technicians and support staff by recognizing each individual with a certificate of appreciation. After being addressed by the Director Dr. McGarry, expressing his gratitude to the staff, we moved on to let the Supervisors and Leads say a few words about what they appreciated most about each of their staff members. Steve Kirkland our department mechanic was recognized the most for his ability to keep the cage washers, autoclaves and random machinery up and running. Colleen Benton our Executive Assistant who keeps the whole show running was overwhelmed by all the appreciation we have for her. After each technician and support staff member received their certificate we dug into a cake. The cake was largest cake the department has ever had to buy since we have grown to 38 employees from a mere 20 last year. Each technician and support staff member drew a number when entering the room; each won a prize

corresponding to the number they drew. Everyone was happy with their prizes except, Dustin McAndrew, AZAALAS Technician of the Year, who walked away with a new accessory item which will be handy at this year's National Convention. As we continue to grow, our appreciation for the efforts each staff member puts forth grows as well. - Jaime White-James

### Northern Arizona University

My daughter Hazel was born on 2/1/07 (7lb, 15oz and 19.5 inches). Needless to say her arrival made for an exciting week for my family but left work and Tech Week a little off. We did pass out the green Essentials of the Research Team bracelets, pins and calendar strips. Lots of fun was had joking around and answering ALAT and LAT questions. - Chrystal Redding

### University of Arizona



On 2/22/07 University Animal Care and celebrated tech week with sub-sandwiches, chips, drinks and a big cake for dessert. We passed out certificates that had been requested for each other along with buttons, Animal Research Saves Lives bracelets and calendar strips. President Jeri Ellis thanked everyone for taking part in this year's event and encouraged folks to join the Arizona Branch by offering a contest to sponsor a new member who brought her a completed membership form first. I hope to come up with more fun things to do for next year's tech week. - Cindy Madura

### W.L. Gore & Associates

Technician Appreciation week was

full of fun. One morning the Study Directors made breakfast and coffee for the Animal and Surgical Research Technicians. It was so good. The next day we had a scavenger hunt in the Facility and there were great prizes and gifts given to the Animal Technicians. We had a catered lunch and movie day and we planned on going to the Out of Africa Park in Camp Verde, but the weather unfortunately didn't cooperate. Those plans are still in the works and we will be doing that very soon. We always feel very appreciated at our jobs, but we look forward to the fun and surprises of Animal Technician Week every year. - Patsy Coffin

### AZAALAS and SwAEBR Table at Annual Sally Ride Festival

The annual Sally Ride Festival was held Feb. 25 at ASU. Dr Tim Martin, Sandra Schenone, Dona Sledge, Jaime White-James and Jeff Williams worked two booths representing AZAALAS and SwAEBR. Dr Martin brought a car load of fun, including the very popular "Research Saves Lives" bracelets to hand out, educational games and pamphlets to hand out, 3 "Operation" games that were kept busy the entire time, and the Prism Visual Acuity demonstration. Jaime brought a xenopus anatomy poster and lots of needed energy to interact with the multitude of kids that participated. Parents and kids alike responded well to everything presented and seemed very open to the importance of animal research in science. It was a very busy, active 4 hours, and fun was had by all. - Sandra Schenone

### Leadership Academy in Salt Lake a Success!

What is Leadership Academy you might ask? Simply put, Leadership Academy is orientation for those who aspire to positions of leadership within AALAS. The program itself runs for a day and half, usually over Saturday afternoon and Sunday of the AALAS

meeting. Present and past leaders of AALAS give you a bird's eye view of what it is like, for them, to be involved on Committees, becoming an Officer, a Board of Trustee member and just how we started to begin with! We share success stories, those stories that haven't worked so well, and also spend some time on how to give response to media should they need you for a comment! Leadership Academy is a relaxed seminar/workshop on how to make a difference in this organization.

Branches send their officers or their designees to attend the Leadership Academy each year. This year we had 38 participants from 21 branches of AALAS. Presidents, Vice presidents, Secretaries, Treasurers, TBRs, Branch Board members and new letter editors made up the diverse class

Here are some of the comments from the Leadership Academy held in Salt Lake City:

"I thought that the Leadership Academy was one of the most useful training sessions that I've attended in years. The sessions were well thought out and the speakers were engaging and energetic. The information provided was "no holds barred"...becoming involved at the National level is challenging, but the speakers readily pointed out the multitude of benefits".

### Tracy Lewis NEBAALAS

"The AALAS structure and function of each arm of the association is helpful. A packet that kind of gives a rough template for the timeframe that most clubs work under would be nice...ie. kind of a what's the average number of BOD meetings, how many general membership meetings there are in each club, etc would be nice". **Greg - Mile High Branch**

"I think one of the most important things I came away with, was knowing that I'm not alone in any job or situation that might arise. The Q/A discussions after each speaker was very helpful in reaffirming this. We have access to thousands of colleagues that have faced the same dilemmas, and are

willing to share their experiences to help us. Teamwork, that's what it's all about". **Darlene Royce-RLATG**

This year we would like to have representation from all the Branches in AALAS. We challenge you to become part of AALAS' future! [If you are planning on attending the national aalas meeting in Charlotte contact your board representative to sign up for the Academy]. - AAALAS in Action

### **Research: Alzheimer's Vaccine Works on Mice**

Scientists in Japan have developed an oral vaccine for Alzheimer's disease that has proven effective and safe in mice, the director of a research institute behind the project said.

The team is preparing to move to small-scale clinical trials in humans, possibly this year, said Takeshi Tabira, director of the National Institute for Longevity Sciences in Aichi, central Japan.

The vaccine was found to have reduced the amount of amyloid plaques in the brain and improved mental function in mice. The treatment did not cause inflammation or bleeding in the brains of the mice, researchers said.

The treatment was tested on 28 mice genetically modified to develop Alzheimer's disease. Half the animals were given a dose of the vaccine at the age of 10 mos, while the control group was not treated.

Three months later, tests showed mental function in the treated mice had returned to levels close to those before they developed Alzheimer's symptoms.

The research, carried out in conjunction with scientists at Nagoya University and others, will be published by the Federation of American Societies for Experimental Biology in July.

(Animal Lab News, 3/29/07)

### **Covance Says it must Get Chandler Lab Going in 2 Years**

By Chris Markham

Global drug-tester Covance

has about two years to get its planned laboratory in south Chandler up and running to fulfill ongoing business commitments. Company officials said they aren't worried about meeting their timeline - even though construction is expected to take from 18 months to two years and the company still has to clear other hurdles to begin the project.

It needs building and air quality permits from the city and county. Those approvals will have to come in the face of vocal opponents of Covance's use of animals in laboratory testing. "We'll do anything we can do, within our legal means, to halt or delay Covance building their facility," said Chandler resident Mike Boerman, of Citizens Against Covance, a local group formed to oppose the large laboratory planned near Queen Creek and Gilbert roads.

The next fight will be at an April 30 public hearing at the Maricopa County Department of Air Quality. Covance has applied for a permit to use backup generators, a boiler and a water-cooling tower for controlling the building's temperature and other conditions. "I guess it's pretty run-of-the-mill, what they've applied for," Boerman said. "But that is absolutely not going to stop us from, you know, shouting from the rooftops to anyone and everyone who will listen that Covance doesn't even deserve a business license, much less these construction things they are applying for."

Covance, based in New Jersey, filed for city building permits March 19 for the first phase of what will ultimately be a 500,000-square-foot laboratory facility in the Chandler Airpark. The two-floor building will include labs, a restaurant, offices and auditorium space. Officials expect work on the project to begin May 1, 2007, and be finished by May 1, 2009.

Animal rights groups claim Covance abuses animals used in the medical and chemical testing it conducts for other companies. Covance denies those charges. Locally, opponents claim the company will pollute area water and air. They see the air-quality permit hearing as a way to stop Covance

from moving forward, though county officials have said that's probably not the case. "A lot of people are looking to our department, not wanting us to let the building happen," said Holly Ward, spokeswoman for the county Department of Air Quality. "That's not in our purview. What we regulate is air quality or air emissions."

(East Valley Tribune, 4/6/07)

### **Kartchner Caverns**

Kartchner Caverns is a stunning limestone cavern system in Southeastern Arizona discovered in 1974 by two amateur cavers from Tucson. It is host to world-class cave formations considered to be the best of their kind in the world.

The Cavern is a wet living cave into which water still percolates from the surface above and calcium carbonate features are still growing. It has an unusually wide variety of brilliantly colored cave formations, including the longest known Soda Straw stalactite formation in the world.

The contrast between the cave's natural 99% relative humidity and the dry desert climate above makes this cave particularly vulnerable. Unmonitored air exchange could quickly destroy the cave's delicate ecosystem, halt speleothem growth and diminish the cave's natural beauty.

The cave depends on the stewardship and commitment of the best scientists and cave developers in the world to ensure its survival. The Big Room tour is closed in the summer for bat nursery duty, but we plan to tour it in October and are looking into a special speaker on the bats too!

If you have any questions or comments feel free to contact me - Cindy Madura [madurac@u.arizona.edu](mailto:madurac@u.arizona.edu) or (520)621-1330.

## ALAT Puzzle Page



## Sponsors Page

The AZAALAS would like to thank our vendors who have sponsored the Arizona branch through advertising in the Buyer's Guide. We ask that members patronize their business and show our support of them too!

### Airnet Express

Brian Clark  
(800)999-1201x4973

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Ron Orta  
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Catherine Kashius  
(407)886-7575

### BioServ ✂

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(800)996-9908

### Charles River Labs

Brendalys Trinidad  
(978)658-6000

### Colonial Medical Supply

Ken MacLeod  
(603)823-9911

### Edstrom Industries

Marc Ford  
(262)534-5181

### Getinge

Frank McFadden  
(760)518-9198

### Harlan

K.C. Reese  
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### Innovive ✂

Bo Smith  
(619)778-2808

### Jackson Lab ✂

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(858)692-6239

### Lab Equipment Company ✂

Harj Sangha  
(800)303-4040

### Lab Products

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