



The Newsletter of the  
Central Arizona Section of the  
American Chemical Society

Web Page:

<http://membership.acs.org/C/CentralArizona/>



## Eyring Lecture

The Central Arizona Local Section will cosponsor with the Department of Chemistry and Biochemistry at ASU Eyring lectures February 1<sup>st</sup> and 2<sup>nd</sup>. Dr. A. Paul Alivisatos, from the University of California at Berkeley, will present a general lecture on nanocrystals at 7:30 pm, February 1 in the Physical Sciences Building, room H-150. On February 2 he will give a technical talk at 3:40 pm in PS H-150. Please see the enclosed flyer for more information about the speaker and his presentations. The Eyring lectures will be held in the Bateman Physical Sciences complex located on University Drive in Tempe. For information on parking and a map of ASU's campus, point your browser to the URL: <http://www.asu.edu/map/>.

## Food of the Gods – The Science and Lore of Chocolate

**Dr. Ariel Fenster**  
ACS Tour Speaker  
McGill University

### Abstract

"Theobroma Cacao" is the South American coca tree from which chocolate is derived and Theobroma in Greek means "Food of the Gods." An appropriate name for what is a source of unequalled pleasure. This lecture examines the many fascinating facets of chocolate; its delicious history as well as the many steps that are required to yield its inimitable flavor and texture. Many interesting facts are revealed throughout this presentation. How M&M's helped the Allies win W.W.II, how the cherry gets into Cherry Blossom and why there is a chemical connection between chocolate and falling in love. The lecture concludes with the scientific explanation as to why some cannot resist their craving and become "chocoholics."

### Speaker Biography

Dr. Ariel Fenster teaches at McGill University, where he is a founding member of the Office for Science and Society, an organization dedicated to disseminating up-to-date information in the areas of food, food issues, medications, and the environment and health topics in general. Dr. Fenster is well known as an outstanding communicator and an exceptional promoter of science with an extensive program, developed

over nearly three decades. Over that period he has given close to 600 lectures and public presentations in English and in French across North America and Overseas. He appears regularly on TV and radio to discuss health, environmental and technology issues and has presented numerous science segments for children's television. Recently he was seen in French on Radio-Canada's popular daily health show "37,5" and in English on the "Discovery" science show "What's that all about?" His contributions to teaching, and to the popularization of science, have been recognized by numerous awards. Among them: the "Award for Excellence in Chemistry Teaching" by the U.S. Chemical Manufacturers Association and the "McNeil Medal for the Public Awareness of Science." Ariel Fenster, who is a native of the wine-growing region of Bergerac, France, holds a Master's degree from the University of Paris and a Ph.D. from McGill University.

When: Wednesday, February 14, 2007

6:00 p.m. Social hour

6:30 p.m. Dinner

8:00 p.m. Lecture

Where: Scottsdale Community College  
Culinary Arts Dining Room  
9000 E. Chaparral Road  
Scottsdale, AZ 85256  
(480)423-6000  
<http://www.scottsdalecc.edu/maps/index.html>

Menu: Select from a variety of delicious five-course gourmet dinner options! Note: the dining room does not serve alcohol.

Price: \$15.00/person or \$25.00/couple payable at the event.

Reservations are needed by *Wednesday, Feb. 7<sup>th</sup>* if you will be there for dinner. Reservations are **not** needed if you are coming only for the lecture. RSVP to Christine Pruis at (480) 965-1589 or [Christine.Pruis@asu.edu](mailto:Christine.Pruis@asu.edu) (include "ACS V-day" in the subject line). Please include the names of each attendee. Feel free to invite non-ACS members as this seminar will interest a diverse audience.

*Once you make a dinner reservation, we are committed to paying for your meal, whether or not you pay us. Please don't be a no-show! You may be invoiced for the meal if you make a reservation and then don't show up without canceling by Wednesday, February 7<sup>th</sup>!*

## Chemistry Olympiad

The Central Arizona Section will once again be participating in the US National Chemistry Olympiad during the last weekend of April. To qualify for the national exam, students will take a local section exam in late March. Encourage your local high school students and teachers to participate in this event. Teachers can contact Rich Bauer (602-496-0620) or Chris Pruis (480-965-1589) with any questions.

## AAAS Seeks Role Models with Disabilities for Resource Directory

### Participate in the Resource Directory of Scientists and Engineers with Disabilities

Are you a scientist, engineer, IT professional, or mathematician with a sensory, mobility, learning, or other disability? The American Association for the Advancement of Science (AAAS) invites you to participate in the Resource Directory of Scientists and Engineers with Disabilities. This Directory is used by the National Science Foundation, government agencies, universities, newspapers, and individuals to recruit advisors, speakers, mentors, and peer-reviewers. Find out more and how to participate by going to <http://ehweb.aaas.org/resource> or email Tesa Leon at [tleon@aaas.org](mailto:tleon@aaas.org).

## Call for ACS Scholars Program Applications

The ACS Scholars Program, now in its twelfth year, is accepting applications for the 2007-2008 academic year. For the first time, students can apply on-line at <http://chemistry.org/scholars>. Applicants must be majoring in or planning to major in a chemical science and intending to pursue a career in that science. The scholarship is renewable and valued at up to \$5000 per academic year. For further information or to receive an application package by regular mail or e-mail, call 1-800-227-5558, ext. 6250, or send an e-mail message to [scholars@acs.org](mailto:scholars@acs.org), or write to us at American Chemical Society Scholars Program, 1155 16th Street, NW, Washington, DC 20036.

## Academic Employment Initiative

### Will You Be Starting a Faculty Job Search?

If you are interested in an academic job, plan to present an ACS Academic Employment Initiative (AEI) poster at Sci-Mix on Monday evening, 8-10 pm, August 20, at the ACS National Meeting in Boston. Faculty recruiters from a variety of colleges and universities will be there to meet poster presenters. If you are a faculty member, please urge graduate students and postdoctoral fellows who are interested in academic careers to take advantage of this opportunity. Also, if you are in a department that will be hiring new faculty next year, please take advantage of this means of meeting several candidates in a relatively relaxed and informal setting. The deadline for submitting the AEI Abstracts is April 9. For more information visit the AEI website or write to [GradEd@acs.org](mailto:GradEd@acs.org).

## Election Results for 2007 Officers

The results of the election for local section officers are as follows:

Chair-elect – Christine Pruis  
Secretary -- Rich Bauer  
Treasurer –Steven Marks  
Councilor – Ted Brown  
Alternate Councilor –Regina Miskewitz

Any of the local section officers welcome questions or comments from the members. Their contact information can be found below.

## Local Section Contacts

- Chair: Ron Briggs, 480-965-1905, [ronbriggs@cox.net](mailto:ronbriggs@cox.net)
- Chair Elect: Christine Pruis, 480-965-1589, [Christine.Pruis@asu.edu](mailto:Christine.Pruis@asu.edu)
- Treasurer: Steven Marks, [spmarks65@cox.net](mailto:spmarks65@cox.net)
- Secretary: Richard Bauer, 602-496-0620, [rbauer@asu.edu](mailto:rbauer@asu.edu)
- Counselor: Ted Brown, 480-839-0118, [tbrown@asu.edu](mailto:tbrown@asu.edu)
- Counselor: Doug Sawyer, 480-423-6196, [doug.sawyer@sccmail.maricopa.edu](mailto:doug.sawyer@sccmail.maricopa.edu)
- Alternate Counselor: Regina Miskewitz, 602-385-8853, [regina\\_miskewitz@yahoo.com](mailto:regina_miskewitz@yahoo.com)
- Webmaster: Ron Briggs, 480-965-1905, [ronbriggs@cox.net](mailto:ronbriggs@cox.net)

## Spring 2007 Local Section Calendar of Events

| Event   | Date   | Location                             | Description  |
|---|--|--------------------------------------|--|
| ASU Eyring Lecture:<br><b>Dr. A. Paul Alivisatos</b><br>Department of Chemistry<br>UC Berkeley      | Thursday, Feb. 1<br>7:30 p.m.<br>Friday, Feb. 2<br>3:40 p.m. | ASU<br>H-150<br>ASU<br>H-150         | Nanocrystal Molecules<br>Chemical Transformations in<br>Nanocrystals |
| Local Section Meeting<br>ACS Tour Speaker:<br><b>Dr. Ariel Fenster</b><br>McGill University         | Wednesday, Feb. 14<br>6:00 PM                                | Scottsdale CC                        | Food of the Gods – The Science<br>and Lore of Chocolate              |
| 233 <sup>rd</sup> National ACS Meeting  | March 25-29  | Chicago, IL                          |  |
| Chemistry Olympiad<br>Local section exam<br>Nation exam   | Saturday, Mar. 31<br>Saturday, Apr. 28                       | ASU-Tempe and<br>Downtown<br>Phoenix | 2007 National Chemistry<br>Olympiad Competition                      |
| Local Section Meeting<br>ACS Tour Speaker:<br><b>Dr. Ronald DeLorenzo</b><br>Middle Georgia College | <b>April 18 (new date)</b>                                   | TBA                                  | TBA  |