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# THE Central Arkansas



# CHEMIST

The Newsletter of the Central Arkansas Local Section of the American Chemical Society

April 2007

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## Awards Banquet

Tuesday, April 24, 6:30 p.m.

Location: UALR  
Donaghey Student Center  
Rooms B & C  
Little Rock, AR

Cost: \$10.00/person

*To obtain driving directions, visit  
[membership.acs.org/c/centralarkansas](http://membership.acs.org/c/centralarkansas)*

## Other Meetings Around the Local Section

### Central Arkansas Mass Spectrometry Users Group (CAMSUG)

This group meets monthly on the first Friday of each month at 2pm in the Reynolds Institute on Aging, Room G180, on the UAMS campus in Little Rock. The group focuses on practical aspects of mass spectrometry with an emphasis on current research projects from the participants' laboratories. Contact Howard Hendrickson (HendricksonHowardP@uams.edu) for more information.

**Tuesday, April 24, 2007, 3:00 p.m.,**  
SWRM Planning Committee, UALR,  
Chemistry Dept. Conference Room.

Ever at a loss as to what's going on in the section?  
Simply visit the section's website:  
<http://membership.acs.org/c/centralarkansas>

You'll find the section's meeting schedule,  
announcements, and information about services  
provided by the section, along with other useful  
links.

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## National ACS News

### Introduction to ChemInsight™

In response to the growing demand for scientific experts in the legal, accounting and consulting fields, ACS is launching ChemInsight™ – a scientific experts matching service – at the Chicago National Meeting.

Legal professionals often find themselves involved in litigation with scientific topics which a lay person would have difficulty understanding. They resolve this problem by hiring experts to assist in the understanding of scientific issues, make pre-trial preparations or provide testimony to persuade a jury during trial. In these roles, experts often play a critical role in determining the course and outcome of a case. Demand for experts is not limited to the

legal domain. In the wake of the Sarbanes-Oxley Act of 2002, forensic accountants and consulting firms also seek experts to provide insights into the sciences, technologies, processes, and other areas with strong scientific content. As chemical and allied sciences increasingly find their way into commercially successful products and services, the demand for scientific experts to help legal and other professionals is bound to increase.

Initially, ChemInsight™ plans to offer two services:

1. Directory Listing Service, which would promote experts through a free search on ChemInsight.org and through a free print directory distributed to over 60,000 law, forensic accounting and consulting firms;
2. Expert Matching Service, whereby ChemInsight™ would contract with law, accounting and consulting firms to conduct a customized search to identify the most relevant experts who best meet their needs.

By helping scientists in chemical and allied sciences gain access to opportunities beyond their core disciplines, ChemInsight™ would enable them to earn additional income and solve challenging problems in a new context, thereby enhancing their visibility beyond the scientific community. This would also help legal, consulting, and accounting firms solve the ever increasing number of cases and problems involving complex scientific topics.

If you have expertise in a relevant science area, ACS invites you to list with ChemInsight™. Listing with ChemInsight™ offers several advantages over other expert services in the market, such as:

- Exclusive focus on chemical and allied sciences – there is no other service that caters exclusively to these sciences
- Offered by the American Chemical Society – the world’s largest scientific organization
- Lowest listing fees among comparable services
- Attractive member discounts on top of the already low listing fees
- Active promotion through the web and print media, including:

- Custom-designed [www.cheminsight.org](http://www.cheminsight.org) website providing comprehensive search, registration and profile editing capabilities
- Direct access to 60,000 legal, accounting, and consulting professionals through the free distribution of the National Directory of Scientific Experts
- Multiple ACS websites that generate over 110 million visitors annually
- Journals and magazines relating to intellectual property and several other relevant areas of law
- Premier legal websites and legal symposia/conferences
- Direct contacts and promotions to business consulting and forensic accounting firms with interest in the chemical enterprise

ChemInsight™ is a new initiative of the Office of New Business Development (NBD) of the Society. Thomas Smith serves as the Manager of ChemInsight™. For more information, please visit [www.ChemInsight.org](http://www.ChemInsight.org).

## Summer Workshops for High School Chemistry Teachers

The American Chemical Society is sponsoring teacher training workshops this summer throughout the country for high school chemistry teachers. Two types of workshops are available: ***Chemistry in the Community***, and **Advanced High School Chemistry**, Teacher Training Workshops. In each workshop teachers are led by experienced secondary and/or college chemical educators who provide participants with information and tools for teaching inquiry-based learning.

**Advanced High School Chemistry, Teacher Training Workshops**, led by experienced secondary and college chemical educators, provide participants with tools for teaching an inquiry-based honors or advanced high school chemistry course

such as IB or AP. The activities used in these three-day workshops are from the ACS college text, *Chemistry* which emphasizes short experiments to introduce chemical concepts, and promote active and collaborative learning. All interested advanced high school chemistry teachers are encouraged to apply, regardless of current textbook.

**Chemistry in the Community, Teacher Training Workshops** are designed for teachers using or intending to use the ACS textbook *Chemistry in the Community*. In these five-day workshops, experienced *ChemCom* teacher leaders provide expert instruction and hands-on experience with many of *ChemCom*'s activities and laboratory investigations.

There is a \$50.00 registration fee for each workshop, which includes all materials, meals and on-site housing. The dates and locations appear below.

June 24 California State University, Northridge, CA  
July 8 Concordia University, Ann Arbor, MI  
July 8 Greater Hartford Academy of Math and Science, Hartford, CT  
July 15 University of St. Thomas, Houston, TX  
August 5 St. Thomas University, St. Paul, MN

More information, application forms and/or online registration may be found at [www.chemistry.org/education](http://www.chemistry.org/education) (follow the link for workshops and courses).

## Upcoming Regional Meetings:

### 39<sup>TH</sup> Middle Atlantic Regional Meeting (MARM) Opens May 16

May 16 – 19 are the dates for MARM 2007 to be held at Ursinus College, Collegeville, Pennsylvania. Visit their website at [www.marmacs.org](http://www.marmacs.org) to view both their technical and social programs and for information on where to stay.

MARM 2007 designed an exciting and innovative program with the professional interests of the regional members in mind. Topics include biological chemistry, chemistry of aging, sirtuin biochemistry, molecular magnetism, carbon nanotubes, glycoproteins, and a symposium dedicated to Alan G. MacDiarmid. The symposia begin officially on Wednesday morning, but a

welcome reception is scheduled for Tuesday evening.

Also planned is a Cope Scholars Award symposium, along with a number of awards recognizing the contributions of chemists, industry, and educators in the region, a Women Chemists luncheon and half-day workshop on “Thriving in the Workplace” and ACS Career Management workshops.

### 39<sup>th</sup> Central Regional Meeting (CERMACS) Scheduled for May 21 – 23 in Covington, Kentucky

The Cincinnati section is hosting CERMACS 2007, at the Northern Kentucky Convention Center. You can get details on the program by visiting the meeting website at <http://www.cermacs2007.org/>. If you have not reserved a room yet, you can do so at the website.

They promise a strong and innovative program. Topics include forensics as presented by William Dean, chief of forensic sciences, Hamilton County Coroner's Office; the “Fantastic Four Science Guys”: Bassam Shakhashiri, David Katz, Al Hazari and John Fortman know how to make learning *fun*; the art of brewing, hosted by the Master Brewers Association of America; illuminating molecules; and chemical /biological sensors,.

### 62<sup>ND</sup> Northwest Regional Meeting (NORM) to Meet in Boise, Idaho June 17 – 20

The Richland, Washington, local section is hosting NORM 2007 in Boise, Idaho. The meeting will be held in conjunction with the annual meeting of the Pacific Division of the American Association for the Advancement of Science (2007 AAASPD). This offers an opportunity for a broad spectrum of topics by the scientific communities represented, with special emphasis on the chemical sciences.

Symposia include an Experimental Green Chemistry Lab, Thermodynamic Modeling, Effect of Contaminants on Fuel Cells, Agricultural and Public Health Protection, Radiopharmachemistry, Undergraduate Chemistry Demos, Semiconductor Materials, and Community College Options in Chemistry.

The meeting opens Sunday with a poster session and welcome mixer. NORM 2007 has scheduled lunch and a field trip to the Birds of Prey Center. Visit their website for more details and to make your room reservation:

[http://northwestchemistry.org/Norm\\_2007](http://northwestchemistry.org/Norm_2007).

## Fall Regional Meetings

Advance registration and online abstract programs are open for fall regional meetings. Each has unique and topical programming planned. Visit their websites to submit a paper, register, or peruse their topics.

20<sup>th</sup> RMRM

Denver, CO

August 29 – September 1

[www.uwyo.edu/rmr2007acs-aiche](http://www.uwyo.edu/rmr2007acs-aiche)

41<sup>st</sup> WRM

San Diego, CA

October 10 – 13, 2007

<http://www.wrmacs.org>

59<sup>th</sup> SERMACS

Greenville, SC

October 24 – 27

<http://www.sermacs2007.org/>

63<sup>rd</sup> SWRM

Lubbock, TX

November 4 - 7

<http://www.depts.ttu.edu/chemistry/SWRM07/>

42<sup>nd</sup> MWRM

Kansas City, MO

November 7 – 9

<http://membership.acs.org/m/mwrm2007/>

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## Local Section News

### Henderson State University Student Affiliates Receive Outstanding Student Affiliate Award at National ACS Meeting



ARKADELPHIA, Ark. - Thirteen students and three faculty from HSU traveled to Chicago this April to present research posters and to accept the award for the 2005-06 school year. Chad SeEVERS, Amanda Doty, Sarah Frost, Hope Rice, Mack Clements, Michael Cansler, Lisa Brents, Rebecca Jackson, Alan Hickman, Cedrick Kousok, Kyle Chastain, and Braden Echols presented research posters.

### Hendrix chemistry majors present research

CONWAY, Ark. – Eight Hendrix students presented major collaborative research projects at the American Chemistry Society's spring national meeting in Chicago, March 25-27.

Traditionally, all senior chemistry majors at Hendrix present research at the convention, although it is not required. Since 1982, when Hendrix first started attending the convention, more than 300 Hendrix students have presented their research.

“It’s very important that they do research and present it. That’s what being a scientist is; that’s what being a chemist is,” said Warfield Teague, professor of chemistry. “The sooner you decide whether it’s your bag or not, the happier you’re going to be in life. Student researchers learn to be better problem solvers and be more independent, but mainly it helps them in determining their career direction.”

The trip also allows students to meet professional chemists and see the American Chemistry Society, “the biggest and probably the best” professional society there is, at work, Teague said. Students had time to listen to other presentations and visit the ACS exposition, where students could network with the more than 300 exhibiting companies.

At the meeting, the Hendrix ACS chapter also received an Honorable Mention award for its work in 2005-06 school year. Chapters are selected for recognition based on an annual report of their activities. Hendrix’s ACS chapter sponsors a free, bimonthly lecture series, and student members perform chemistry-related experiments for elementary school classrooms and judge middle and high school science competitions.

The students who presented research this year were seniors Anna Anthony of Greenbrier; Caitlin Bagby of Russellville; Justin Haley of Louisa, Va.; Abby Olena of Garland, Texas; Sarah Tauer of Harrison; and Margaret Weddell of Burgettstown, Penn. Also presenting were juniors Joi Chen of Little Rock and Stephen Jackson of Paragould.

Research topics included properties of animal urine, Diels-Alder reactions in high temperature water, rocket motor efficiency and the interactions between activated charcoal and proteins.

If you have an article or job posting that you would like to have considered for publication in our newsletter, send it to the Section Secretary, Dr. Cheryl Lichti (Cheryl.Lichti@arkansas.gov) for review.

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## Volunteer Opportunities

### SWRM 2008

ACS Central Arkansas Section will be hosting the Southwest Regional Meeting, which will be held Oct. 1-4, 2008, at the Peabody Hotel in Little Rock. If you would be interested in assisting in this meeting, please contact our Organizing Committee Chair, Dr. Marty Perry ([perry@obu.edu](mailto:perry@obu.edu)). We have several great opportunities for interested volunteers, including:

**Programming:** The program for our meeting will include general sessions in each of the traditional areas of chemistry, plus several special symposia. We are also discussing the possibility of having plenary roundtable discussions on topics such as nanotechnology and biofuels. If you are interested in serving on the Programming Committee please contact Dr. Cheryl Lichti (Cheryl.Lichti@arkansas.gov).

**Awards Banquet:** An awards banquet is traditionally held as a part of the regional meeting. We are excited to announce that the awards banquet for the 2008 Regional Meeting will be held in the Great Hall of the Clinton Presidential Library. If you are interested in serving on the planning committee for this event, please contact Dr. Marty Perry ([perry@obu.edu](mailto:perry@obu.edu)).

For further details, please see the official website: [www.swrm.org/2008/](http://www.swrm.org/2008/)