

THE Central Arkansas



CHEMIST

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

September 2006

Meeting

Tuesday, September 26, 2006

Location: ASMS (Arkansas School for
Math and Sciences)
Hot Springs, AR

5:30 pm Dinner – Brick House Grill
801 Central Ave # 24
Hot Springs, AR
(501) 321-2926

7:00 pm Program
Dr. Howard Hendrickson
**“Searching for a “fix” to METH
abuse”**

*To obtain driving directions, visit
membership.acs.org/c/centralarkansas*



addressing problems identified by recent advances in the areas of pharmaceutical and drug discovery research. In general, we concern ourselves with improving the speed of analysis from the beginning (obtaining the sample) to the end (data analysis). Our primary goal is to develop a general approach to analytical methods development & validation that is based the physical and chemical properties of drug candidates. We bring a variety of techniques and technologies together to achieve these goals including the use of modern extraction techniques and high performance liquid chromatography. Mass spectrometry, fluorescence, and amperometric detection are used in conjunction with chromatography to improve sensitivity and increase selectivity. Tonight's talk will highlight our work in

About the Speaker:

Howard Hendrickson is an Assistant Professor in the Department of Pharmaceutical Sciences at the University of Arkansas for Medical Sciences. He received a PhD in bio-analytical chemistry from the University of Arkansas in 1996.

Exciting challenges exist in the development of high-throughput analytical techniques capable of

the development of monoclonal antibody-based therapies to treat drug abuse. These protein-based medications act by keeping abused drugs, like methamphetamine and phencyclidine out of the brain where they produce the "high" sought by the addicted person. This talk will focus on the growing problem of methamphetamine abuse and discuss how we hope to improve the health of individuals addicted to this drug.

Looking Ahead: On November 6th, we will meet at the Diamond Bear Brewing Company in Little Rock. The program speaker will be Dr. Robert Bates with a program about beer brewing.

Regional Meeting: Don't forget the SWRM meeting will be hosted by the Central Arkansas ACS in October, 2008. We're looking for members to volunteer for all aspects of organizing the regional meeting. To volunteer, contact Marty Perry, perry@obu.edu or 870-245-5217.

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.

Local Section News

SWRM Committee Planning Meeting:

The SWRM Committee will meet on September 19th at 4:00 pm on the 4th floor main office of the Science Lab Center at UALR to discuss preliminary plans for the Southwest Regional Meeting in 2008.

National Chemistry Week:

The **Central Arkansas Section** of the American Chemical Society and the **Arkansas Museum of Discovery** will observe National Chemistry Week early. Thurs. Oct. 19-Sat. Oct. 21 are the days that the Museum of Discovery has planned for NCW activities. We are going to try to set up 3-4 tables of activities for students to participate in. We would also like to set up 3-4 interactive displays to have in the museum. The theme for this year is "Your Home -- It's All Built on Chemistry".

SWRM 2006 during National Chemistry Week (Houston Marriott Westchase, Houston, Texas)

Letter from Mamie Moy, General Co-Chair, SWRM 2006

I hope you and members of your section are making plans to attend SWRM 2006 which is just about 2 months away.

An outstanding technical program has been planned along with programs for students and precollege teachers. A graduate student fair along with the exposition will be of great interest to students, employers and academic institutions.

Our web site is being updated frequently, but I wanted to take this opportunity to assist you in your planning. SWRM 2006 dates are October 19-22 immediately preceding the 50th Conference on Chemical Research sponsored by the Robert A. Welch Foundation. This conference begins on Monday, October 23, and is open to all. Please visit <http://www.welch1.org/ChemicalConference/index.asp> for further information.

A grand opening reception is planned for Thursday evening. Be sure to include this in your meeting schedule. The awards banquet on Friday will recognize colleagues who have earned the honors. The ACS presidential succession - Bill Carroll, Ann Nalley and Katie Hunt - have us on their schedules.

Precollege teacher programs will begin on Friday afternoon followed by programs all day Saturday. The precollege teacher luncheon is set for Saturday. Please encourage the teachers in your section to take advantage of the excellent program. We are investigating the possibility for teachers attending the meeting to receive TEA credit.

All for now. I will send updates as they occur. If you do not wish to receive the updates, please let me know and I will remove you from the list.

Thanks.

Regards,
Mamie W. Moy
General Co-Chair, SWRM 2006,

If you have an article or job posting that you would like to have considered for publication in our newsletter, send it to odonej@hsu.edu for review.

The *Central Arkansas Chemist* is published as needed by the Central Arkansas Local Section of the American Chemical Society. Section Chair, Marty Perry, Ouachita Baptist University, Arkadelphia, AR 71998, 870-245-5217 Address all correspondence to the Section Secretary, Janice O'Donnell, Henderson State University, 870-230-5118, odonej@hsu.edu. Newsletter contributions should be sent directly to the Section Secretary in electronic form. The Central Arkansas Local Section Web site is <http://membership.acs.org/c/centralarkansas>
