THE Central Arkansas CHEMIST

The Newsletter of the Central Arkansas Local Section of the American Chemical Society October 2009

Meeting

Thursday, October 15, 2009

Location: Reynolds Hall
Room 322
Henderson State University
Arkadelphia, AR

5:30 pm Dinner – Fish Net
5000 Valley Street (Hwy 7)
Caddo Valley, AR
(870) 246-7885

Exit 78 from I-30 and go north toward Hot Springs ~4.7 miles

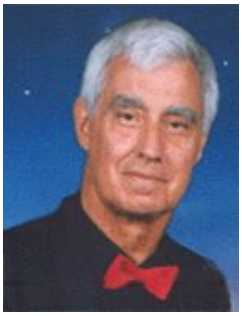
Please RSVP to rlasey@atu.edu or 479-968-0391

7:00 pm Program
Mr. Robert D. Blackledge
"The Floyd Landis Sports Doping Case as Evaluated by a Forensic Analytical Chemist"

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

About the Speaker:

Robert (Bob) D. Blackledge received his BS (chem.) from The Citadel in 1960 and his MS (chem.) from the University of Georgia in 1962. Starting with the Florida Department of Law Enforcements Tallahassee Crime Lab in 1971, Bob has worked in forensic science for over thirty years. Stops along the way included eleven years with the U.S. Army Criminal Investigation Laboratory-Europe, back during the Cold War when we had a crime lab in Frankfurt, Germany. Bobs final stint was as the Senior Chemist with the Naval Criminal Investigative Service Regional Forensic Laboratory-San Diego from 1989 to 2006.



The author or co-author of roughly forty journal articles and book chapters, his interests are wide-ranging but his special passion is trace evidence. Reports of his research have been published in the FBIs Law Enforcement Bulletin, the FBIs Crime Laboratory Digest, the Journal of Forensic Sciences, Science & Justice, Forensic Science International, Forensic Science Review, Microgram Journal, and Analytica Chimica Acta. He is the editor for, Forensic Analysis on the Cutting Edge: New Methods for Trace Evidence Analysis, scheduled to be published by Wiley-Interscience in 2006.

Abstract
Floyd Landis, a professional bicycle racer from Murrieta, California, won the 2006 Tour de France. However, not many days after the race's conclusion, the Laboratoire National de Dépistage du Dopage (LNDD) "announced" (actually the information was leaked to the press) that a urine sample obtained from Floyd after stage 17 had been found to be positive for a form of synthetic testosterone. If this finding were to be upheld, Landis would be stripped of his title and also banned from participation in the sport. Landis denied any sports doping and his strategy in fighting these charges has been to try to generate public support and to make all of the documentation of the LNDD tests available to the public. GC/MS is used by LNDD for preliminary sample screening, and carbon stable isotope ratio mass spectrometry is used for final confirmation. From the standpoint of a forensic analytical chemist with experience in forensic laboratory accreditation standards, this presentation will examine the analytical data and correspondence from the Landis case in terms of: chain of custody requirements; World Anti-Doping Association (WADA) guidelines and LNDD SOP; and reasonable standards of good laboratory practice.

Audience Level: Specialists (highly trained), Chemists, Students, General (nontechnical)

Looking Ahead:

Put this date on your calendar

Thursday, Nov. 5th
Speaker: Dr. Jeffrey Gaffney, *Atmospheric Aerosols and Climate Change*
Location: Harding University

Get Involved:

The following are some possible committees in which you can get involved. Please contact Robin Lasey, rlasey@atu.edu or the contact name listed next to the committee.

National Chemistry Week – This committee helps to organize the National Chemistry Week activities that take place at the Museum of Discovery.
Legislative Action Network – The Legislative Action Network (LAN) is the Society's electronic grassroots program for updating members on federal legislation and facilitating contact with members of Congress. The network focuses primarily on federal science education and R&D policy, but also addresses environment, workplace, and competitiveness issues. Jeff Gaffney, jsgaffney@ualr.edu
Younger Chemists Committee – This committee will work to form a support network for younger chemists throughout the state. Burt Hollandsworth, bhollan1@harding.edu
By-laws Committee – This committee will work to update the bylaws which includes, but is not limited to, changes in the voting procedures (electronic voting).
Industry Connections – This committee will create a list of chemical industries and employers that hire chemists in the state of Arkansas to be publicized on the website that members can use as a reference.

There is also the opportunity to become website manager if you have the ability and interest.

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

ATTENTION MEMBERS! The Central Arkansas Local Section will be having elections for officers soon. If you are interested, please contact Robin Lasey (rlasey@atu.edu).

If you have an article or job posting that you would like to have considered for publication in our newsletter, send it to odonnej@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, Robin Lasey, Arkansas Tech University, Russellville, AR 72801, rlasey@atu.edu 479-968-0391 Address all correspondence to the Section Secretary, Janice O'Donnell, Henderson State University, 870-230-5118, odonnej@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