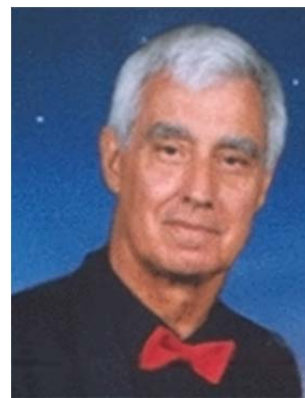


ANNUAL AWARDS BANQUET
THURSDAY 30 APR 2015

THE FLOYD LANDIS SPORTS DOPING CASE AS EVALUATED BY A FORENSIC ANALYTICAL CHEMIST

Bob Blackledge

Naval Criminal Investigative Service (RFL-Retired) Forensics



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.

Schedule of Events:

5:30-6:30 pm Social Hour & Campus Tours

6:40-7:20 pm Dinner

7:30-9:00 pm Presentation

Buffet Menu

chicken Marsalis

oven roasted potatoes

Key Largo vegetables

whole wheat dinner rolls

garden salad

cheese cake

RSVP is NOT required to attend the presentation

Oklahoma School of Science and Math

Library/Administration Building

1141 N Lincoln Blvd, Oklahoma City, OK 73104

<http://www.ossm.edu/>

Cost

\$20 members

\$5 students

RSVP Deadline

Friday, Apr 24th, 5 pm

Contact Fazlur Rahman

email: frahman@ossm.edu

text to: 405-819-4385

(include your name and number of attendees)



OSSM
map & directions
QR code

Bob Blackledge Biographical Sketch

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 Enforcement's Tallahassee Crime Lab in 1971, Bob 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 there was a crime lab in Frankfurt, Germany. Bob's 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 fifty 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 *FBI's Law Enforcement Bulletin*, the *FBI's 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", published by Wiley-Interscience in Aug. 2007.