



AMERICAN CHEMICAL SOCIETY KENTUCKY LAKE SECTION

January 2011 Kentucky Lake Section Meeting

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Los Portales

Martin, TN

Thursday, January 27, 2011

Social @ 5:30, Dinner @ 6:00, Presentation @ 7:00

Los Portales is located at
806 University Street, Martin, TN 38237-1636

The price is \$10 (Students \$5)
Menu: Mexican Cuisine

Presentation:
Wildlife Forensics

By

Mike Stockdale

Tennessee Wildlife Resources Agency

See Reverse Side for Abstract & Biographical Sketch

Comments from the Chair

Dear Members:

I hope that everyone had a Happy New Year! I hope that each of you will take advantage of the activities provided to you by your local section. There are several active committees and each is looking for members. These committees include: Awards, Education, Long Range Planning, Membership, National Chemistry Week, Public (or Government) Affairs,

Public Relations, Webmaster, Women Chemists, and Programming. If you are interested in serving on a committee please contact me or another officer. Also, if you have any suggestions or comments on the Section's programming activities, please feel free to contact me or another Section officer. Additionally, if you get a chance please make sure and congratulate our new Councilor, Dr. Charles Baldwin, Alternate Councilor, Dr. Jeff Anderson, and Chair-Elect, Dr. Kate Stumpo.

Robbie Montgomery

KLS-ACS 2011 Officers

Chair

Robbie Montgomery
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rmontgomery@utm.edu

Chair Elect

Kate Stumpo
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kstumpo@utm.edu

Past Chair

Harry Fannin
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Secretary/Treasurer

Brent Montgomery
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Councilor

Charles Baldwin
Union University
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Alternate Councilor

Jeff Anderson
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KLS-ACS Web Page

<http://membership.acs.org/k/KentuckyLake/index.htm>

Abstract

Chemistry + Forensics + Wildlife = Wildlife Forensic Laboratory

The current popularity of numerous TV shows dealing with crime scene investigations and criminal forensic labs has created a phenomenon commonly referred to as the “CSI” effect in jury trials whereby jurors expect to see the same type of lab tests performed as on TV. Although the TV shows generally only deal with human cases, prosecutors and jurors are often surprised to learn the same techniques are used in wildlife cases. Chemistry plays an invaluable and even larger role in wildlife cases than human cases. In human crime labs the species in question to be tested is usually known; in wildlife crime labs the first question to be answered and often the most difficult question to answer is “What species is the sample from?” A discussion of chemistry, forensic testing of evidence and case examples will illustrate the role of chemistry in the forensic lab.

Biographical Sketch

Mike Stockdale is the Senior Wildlife Forensics & Analytical Specialist and Laboratory Director/Supervisor of the Tennessee Wildlife Resources Agency’s Wildlife Forensics Laboratory located at the University of Tennessee at Martin, Department of Chemistry & Physics which Mike started in 1988 with the help of Drs. Phil Davis and Anthony Harmon. Mike is a graduate of UTM (B.S. 1971; M.S. 1975) and has been an Adjunct Instructor for the past 22 years at UTM teaching Wildlife Forensics, Wildlife Law and Public Relations, and conducting wildlife forensic research with the aid of chemistry department students. Stockdale has 34 years experience in wildlife forensics and has provided training to numerous federal, state and forensic organizations throughout the United States and North America. He is recognized as an expert witness in wildlife forensics in both federal and state courts. In 2002 he was recognized for his contributions to wildlife forensics and wildlife law enforcement with the Conservation Law Enforcement Award for the United States and Canada presented by the International Association of Fish & Wildlife Agencies. He is a charter member of the Society for Wildlife Forensic Sciences.