



American Chemical Society

East Texas Section

February 2017

Next Section Meeting

Date: Tuesday, February 27
Place: Levi Hall Room, BCT Bldg
Texarkana College
Texarkana
Dinner: On your own
Time: Speaker 7:00 P.M. (No charge for the talk)

Clean Rivers Program

Mike Buttram
Texarkana College

The Water quality in the Sulphur River Basin has been the subject of many years of study starting as early as 1965. Numerous tests for a variety of parameters have been recorded in the Surface Water Quality Information Index maintained by the Texas Commission on Environmental Quality. For the most part, these parameters indicate that the water quality meets the criteria for its uses. Currently, the basin interests of many have turned to water availability for the future. Surface water is the most important source of water in the basin, and sedimentation in the lakes is causing a rather dramatic reduction in water availability. Technology allows us to measure the sedimentation in the past, so a historical record exists and projections for the future have been made. Measuring the current sedimentation rate is not easy. Methods to control sedimentation are well documented but expensive. Solving this problem will require the help of many including individuals, governmental entities, and industry.

Speaker Bio

Mike Buttram is a lifetime resident of Bowie County in Northeast Texas and a graduate of DeKalb High School. He completed his BS and MS Degrees with majors in both chemistry and biology at East Texas State University and a PhD in chemistry at the University of Louisville. He is a retired Professor of Chemistry at Texarkana College. While at Texarkana College, Mike was a sponsor of the Texarkana College Chemistry Club and the coordinator and quality assurance officer for the Clean Rivers Contract at Texarkana College.



Upcoming Dates

March	TBD
April 2-6	ACS Spring National Meeting, San Francisco, CA
April 6	Student Research Presentations, LeTourneau University, Longview
August 20-24	ACS Fall National Meeting, Washington, DC
September	Student Research Presentations, UT-Tyler, Tyler
October	TBD
October 29- November 1	Southwest Regional Meeting, Lubbock, TX
November	Joe Jeffers, Texarkana College, Texarkana

2017 Section Officers

Chair	Mike Sheets	mike.sheets@texarkanacollege.edu
Chair-elect	Jerome Stavinoha	jstavinoha@gmail.com
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Secretary	Mike Sheets	mike.sheets@texarkanacollege.edu
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About ACS Webinars™

ACS Webinars™ is a free, weekly online event serving to connect ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business. The ACS Webinars are divided into several series that address topics of interest to the chemical and scientific community; these series include careers, business and innovation, professional growth, joy of science, extreme chemistry, entrepreneurial initiative, green chemistry, and more. Each webinar is 60 minutes in length, comprising a short presentation followed by Q&A with the speaker. The live webinars are held on Thursdays from 2-3pm ET. Recordings of the webinars are available online and upcoming events are posted at <http://acswebinars.org/>.

Upcoming ACS Webinars

February 23

Fighting Cancer: Epigenetic Targets for Oncology

<https://www.acs.org/content/acs/en/acs-webinars/drug-discovery/epigenetic.html>

Epigenetics refers to heritable changes characteristics that can be influenced by the environment, but which do not result from changes in the genetic code. Epigenetics is an area of intense current interest in medicinal chemistry, biology, and medicine. Professor Stuart Conway will introduce current understanding of the molecular basis of epigenetic processes, and explain how these findings are being exploited in medicinal chemistry to develop medicines with innovative new mechanisms of action.

March 2

TERA-print: From Academic Discovery to a Commercial Desktop Fab

<https://www.acs.org/content/acs/en/acs-webinars/technology-innovation/tera-print.html>

Chad Mirkin discusses the development of a suite of novel nanofabrication instruments that can be used to generate combinatorial libraries with as many as 100 million nanoscale features that can be used to screen and identify nanomaterial structure-function relationships important in catalysis, energy harvesting and conversion, and the life sciences.

March 9

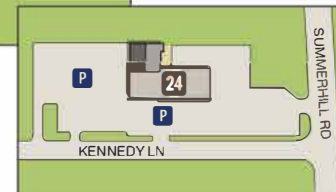
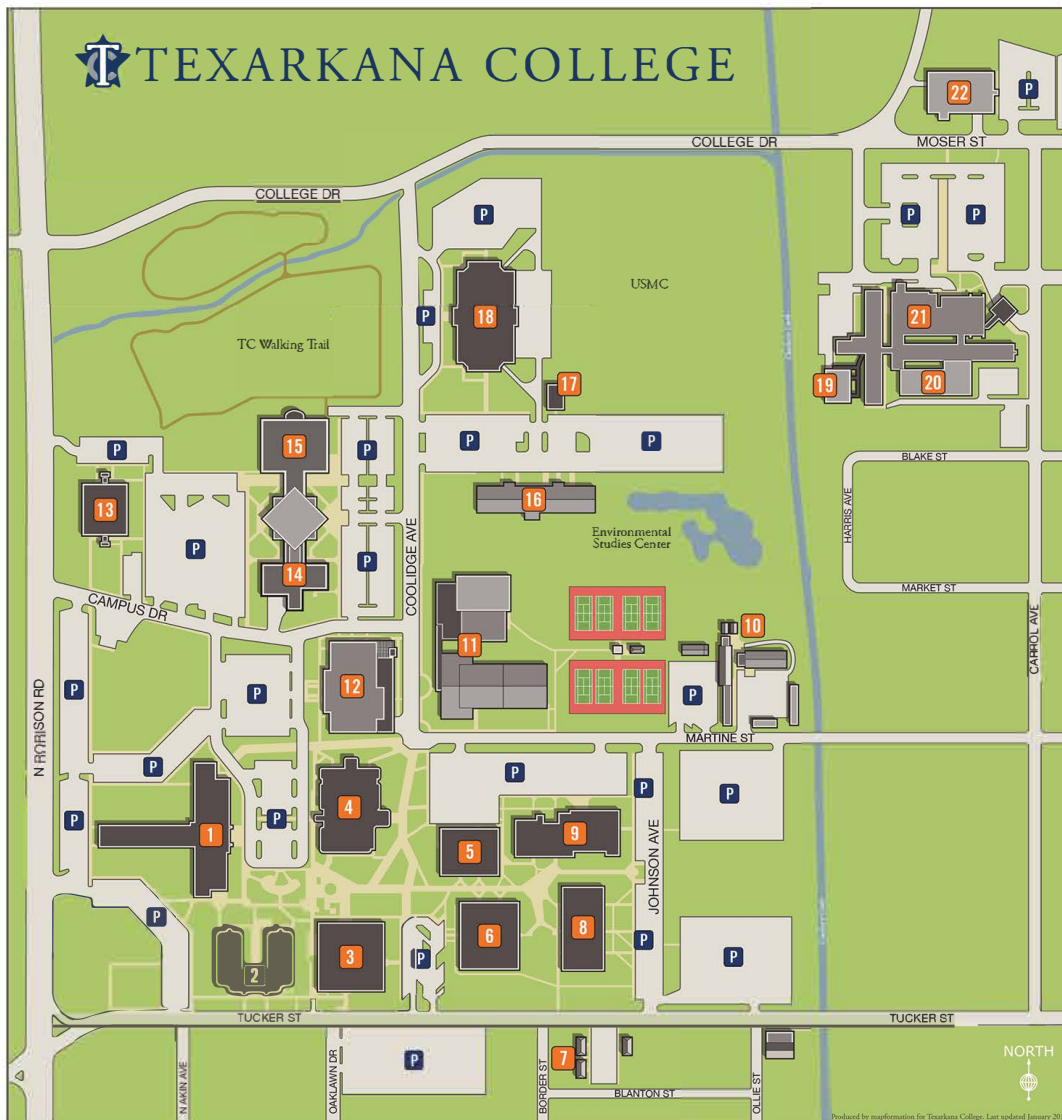
Professional Development that Makes a Difference: Communication Skills, Networking, and Time Management

<https://www.acs.org/content/acs/en/acs-webinars/professional-development/pro-difference.html>

Join Matt Grandbois as he shares how communication, networking and time management can help anyone get ahead, with a specific focus on the importance that professional development provides for young chemists.

On the map of Texarkana College on the next page, the BCT building is at building # 1 at the left of the page. Park in the the lot that borders on Robison Road and enter through the door a short way down the covered sidewalk.

TEXARKANA COLLEGE



CAMPUS FACILITIES

- 1 Business & Computer Technology
- 2 Social Sciences
- 3 Academic Learning Commons & Palmer Memorial Library
- 4 Stilwell Humanities Center
- 5 Biology
- 6 Chemistry
- 7 TC Apartments
- 8 TISD Options High School
- 9 Vacant
- 10 Maintenance Facility
- 11 C.O. Pinkerton Fitness Center/Pool
- 12 Truman Arnold Student Center
- 13 Nelson Administration Building
- 14 Media Center/KTXK Radio
- 15 Health Sciences Center
- 16 CEC Annex
- 17 Vacant
- 18 Career Education Center
- 19 Carpentry
- 20 Vacant
- 21 Vacant
- 22 College Drive Center
- 23 Cosmetology
- 24 Construction Technology

P Parking