



ACS Local Section
East Texas

February 2020

Next Section Meeting

Date: Thursday, February 6
Time: 7:00 pm (light refreshments will be available)
Tour the museum after the talk!
Location: East Texas Oil Museum
1301 S Henderson Blvd
Kilgore, TX
Dinner: Val's Italian Restaurant (Dutch treat)
5:30pm 210 E Main St.
Kilgore, TX
RSVP by 5pm Monday, February 3 to Ronda Howe (rhowe@kilgore.edu)

East Texas Salt Water Disposal Company

Mr. P.J. (Pat) Nault

Pat Nault will discuss the history of the East Texas Salt Water Company and how it is so vital to economic health of this region. He will also touch on some of the field's water chemistry and how we chemically treat it.

Pat is currently the President/CEO of the East Texas Saltwater Disposal Company. He has over 40 years of experience in the oil and gas business with over 27 years in the East Texas Field. Mr. Nault has served on the Boards of many local civic organizations including Laird Memorial Hospital, East Texas Treatment Center, Piney Woods American Red Cross, Kilgore United Way, Kilgore Lions Club, East Texas Engineering Association, East Texas American Petroleum Institute, Kilgore Chamber of Commerce, Kilgore Economic Development Corporation, Kilgore National Bank, Kilgore College Foundation Board and several youth Baseball, Basketball and Football Associations. Pat was awarded the Community Builder Award from the Danville Masonic Grand Lodge #101 for 2002 and the 2010 Kilgore Citizen of the Year by the Chamber of Commerce. Mr. Nault has a Bachelor of Science degree in Petroleum Engineering from Oklahoma State University.



Upcoming Dates

February 6	Pat Nault, East Texas Salt Water Disposal Co. @ Kilgore College
February 8	Longview ISD STEAM Fair
February 25	The Future of Food Program-in-a-Box
February 28	East Texas Regional Science Fair
March 22-26	ACS Spring National Meeting @ Philadelphia, PA
April 19-25	Chemists Celebrate Earth Week
April 23	Yvette Fobian, Pfizer Inc. @ East Texas Baptist University
July 3	Kids Day @ East Texas Oil Museum
August 16-20	ACS Fall National Meeting @ San Francisco, CA
September 24	Melanie Moser, Texas A&M University - Galveston @ Stephen F. Austin State University
October 14-17	Southwest (SWRM)/Southeast (SERMACS) Regional Meeting @ New Orleans, LA
October 18-24	National Chemistry Week
October 21	Emmanuel Elueze, Univ of Texas Health Science Center, Tyler @ Tyler Junior College

2020 Section Officers

Chair	Ronda Howe	rhowe@kilgore.edu
Chair-elect	Greg Hogan	ghogan@tamut.edu
Treasurer	Jerome Stavinoha	jstavinoha@gmail.com
Secretary	Mike Sheets	mike.sheets@texarkanacollege.edu
Councilor	Mike Sheets	mike.sheets@texarkanacollege.edu
Alt. Councilor	Philip Verhalen	philip.verhalen@gmail.com

Section Website

www.acs.org/easttexas

Web Master/Marm Needed

We are in need of a person to keep our website updated – current officers, meetings and newsletter. If you are interested, contact Ruth Hathaway at ruthhathaway@msn.com. We do pay (not a lot) for this position.

Judges Needed

Judges are needed at the science fairs listed below. If you can help, please contact the person listed.

Longview ISD STEAM Fair – Saturday, February 8, 9am-noon

Contact Ruth Hathaway (ruthhathaway@msn.com) by Monday, February 3.

East Texas Regional Science Fair – Friday, February 28, 8am – 4pm

Contact Paul Buchanan (pbuchanan@kilgore.edu) or Ronda Howe (rhowe@kilgore.edu) by Wednesday, February 26.

Register your group to receive a FREE box* and an exclusive link to join the LIVE interactive broadcast

FREE! EASY!

ACS PROGRAM-IN-A-BOX

Celebrate 50 Years of Earth Day!
THE FUTURE of
February 25th, 2020

RAFFLE PRIZES
LIVE Q&A
TRIVIA

RESOURCES
TECHNICAL PRESENTATIONS
HANDS-ON ACTIVITIES

The graphic features a 3D box with various activities listed on its sides. At the top, it says 'FREE! EASY!' in blue and yellow. Below that, the main title 'ACS PROGRAM-IN-A-BOX' is in large, bold, yellow letters with a blue outline. Underneath, there's a smaller graphic for 'THE FUTURE of' with icons of a corn cob, a brown nut, a globe, and a carrot, and the date 'February 25th, 2020'. To the right, a group of people is shown behind a box with labels for 'RAFFLE PRIZES', 'LIVE Q&A', 'TRIVIA', 'RESOURCES', 'TECHNICAL PRESENTATIONS', and 'HANDS-ON ACTIVITIES'. At the top left of the box, it says 'Register your group to receive a FREE box* and an exclusive link to join the LIVE interactive broadcast'.

If your location plans to host this, let Ruth Hathaway (ruthhathaway@msn.com) know by February 18 so that we can get it listed on the Section website.

Chemists Celebrate Earth Week (CCEW)



April 19-25, 2020

Topic: Sustainability

Theme: Protecting Our Planet through Chemistry



The Louisiana Section of the American Chemical Society will host the 76th Southwest and 72nd Southeastern Regional Meeting (SWRM and SERMACS, respectively) in New Orleans at the Hilton Riverside Hotel from Wednesday, October 14, to Saturday, October 17, 2020. The meeting will feature an outstanding technical program, an undergraduate program, and an exposition. **Join us as we let the good times and chemistry roll in New Orleans!**

<https://www.swrm2020.org/>

National Chemistry Week (NCW)

October 18-24, 2020
Topic: Glues and Adhesives
Theme: Sticking with Chemistry



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/>.

January 23

Meaningful and Concise Safety Summaries for ACS Publications

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

Safe research is good research. Scientists have an ethical obligation to disseminate safety concerns to downstream users of their research. As the premier journals for disseminating chemical research, ACS Publications has enacted a new requirement specifying that authors address safety concerns in work submitted for publication in all *American Chemical Society Journals*.

Join Samuella Sigmann of Appalachian State University and the ACS Division of Chemical Health & Safety, Leah McEwen of Cornell University and the ACS Division of Chemical Information, and Sara Tenney of ACS Publications as they discuss the new chapter “Communicating Safety Information” from the 2020 ACS Guide to Scholarly Communication. During this free interactive broadcast, you will discover how to develop meaningful and concise safety summaries for manuscripts based on risk assessment.

January 29

Propiedades y Usos de los Fullerenos en Aplicaciones Biomédicas y Fotovoltaicas

<https://www.acs.org/content/acs/en/acs-webinars/spanish/fullerenos.html>

Los fullerenos no solamente poseen estructuras y propiedades interesantes sino también útiles en varias aplicaciones biomédicas y fotovoltaicas. Aún quedan muchas aplicaciones futuras por desarrollarse.

Durante el webinar gratuito Luis Echegoyen, Profesor de Química de la Universidad de Texas, El Paso y Presidente de ACS 2020, dará una breve introducción sobre los fullerenos o “buckyballs”, su diversidad estructural y sus propiedades electrónicas. También se examinará su funcionalización exoédrica y de sus propiedades antivirales (en particular anti-SIDA), así como su habilidad de aceptar y transferir electrones eficientemente como materiales tipo-n en celdas solares con perovskitas. Finalmente se discutirá el uso de los fullerenos como nano cápsulas para estabilizar especies novedosas de alta reactividad (fullerenos endoédricos) que poseen elementos actínidos como Uranio y Torio en su interior.

January 30

The Secret Lives of Snowflakes: Peculiarities in the Molecular Dynamics of Ice Crystal Growth

<https://www.acs.org/content/acs/en/acs-webinars/popular-chemistry/snowcrystals.html>

Our understanding of the molecular dynamics of growing crystals is quite primitive, and it is generally not possible to explain why even simple crystals develop their characteristic shapes. A case in point is the snow crystal, which grows into a puzzling variety of unusual morphologies under different conditions. Although snow crystals are the product of a well-understood phase transition, some basic aspects of their growth have remained unexplained for over 75 years.

Join Kenneth Libbrecht, Professor of Physics at Caltech, during this free interactive broadcast as he examines how the ice surface structure changes with temperature, how this affects ice crystal growth dynamics, and the resulting remarkable temperature dependence observed in snow crystal formation.

LeTourneau University Science Seminars

LeTourneau University's science seminar series are hosted by the Department of Chemistry & Physics:

- Departmental seminars are free of charge and open to the public. Any interested parties, including homeschoolers and high school students, are welcome to attend.
- All seminars will be held in Glaske C101 (Berry Auditorium) on the LeTourneau University campus in Longview, Texas, from 11:00 to 11:50 a.m. unless otherwise stated.
- Lunch with the speaker usually follows the seminar. Lunch will be in the Corner Café either in the stage area or in the Joyce room.
- Videos are usually available within a day of the seminar. Click on the (video available) link to access the video.
- Any questions or comments regarding the seminar schedule may be directed to Gary DeBoer at GaryDeBoer@letu.edu or 903.233.3363.
- Opinions expressed by the speakers at seminar are their own and should not be taken as official positions of LeTourneau University.

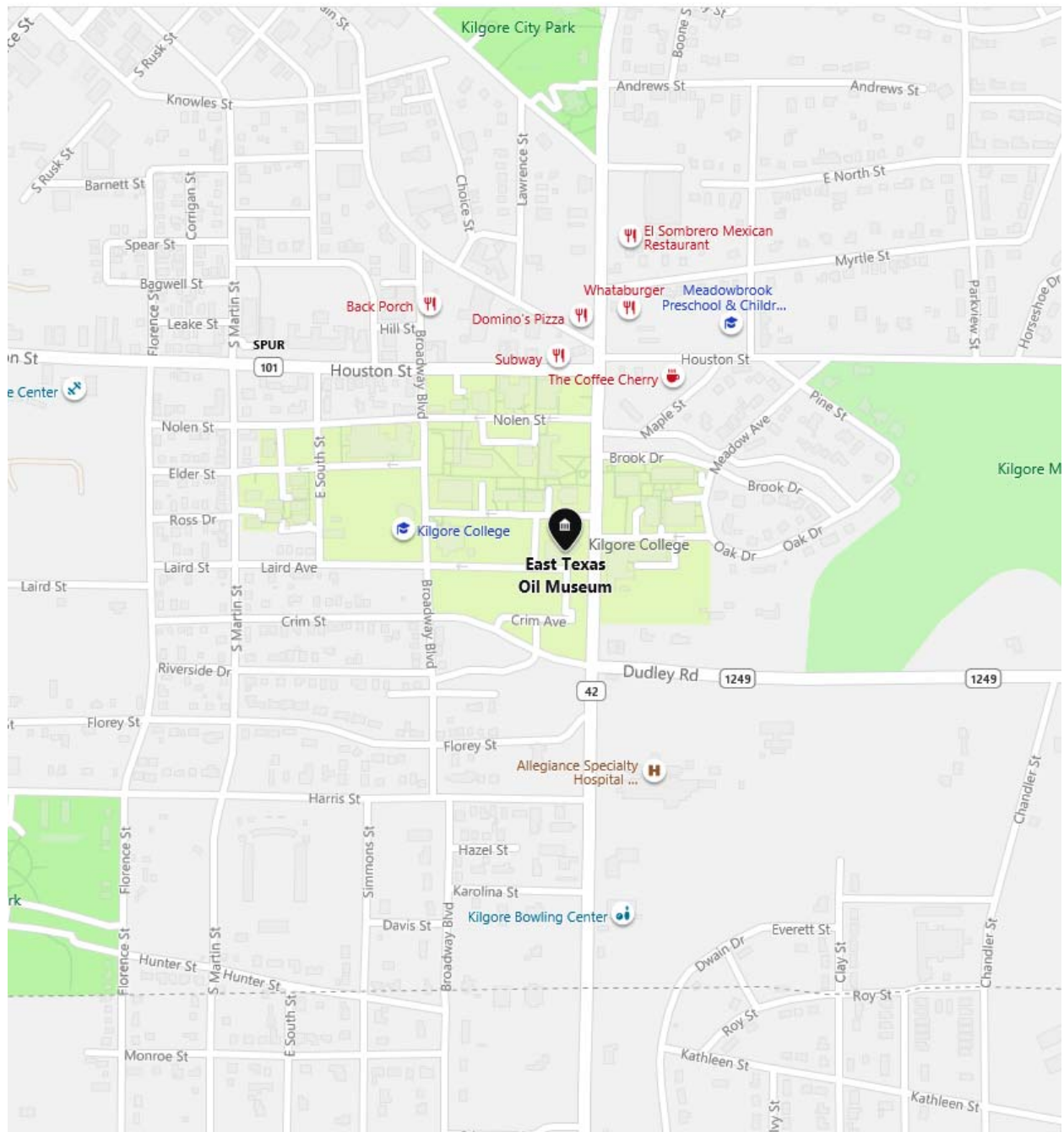
FEBRUARY

- 6 Electromagnetics and Communications Research
James Allan Morrison, Department of Engineering
LeTourneau University | Longview, TX

MARCH

- 5 Fuel Cells
Elise Holland,
Department of Engineering
LeTourneau University | Longview, TX ([video](#))

East Texas Oil Museum



The East Texas Oil Museum is located on the Kilgore College Campus at 1301 S. Henderson Blvd. (Hwy 259 at Ross Ave.) Kilgore, Texas. Parking is located on Ross Ave. behind the Museum.