



American Chemical Society

East Texas Section

April 2016

Next Section Meeting

Date: Thursday, April 21
Place: Room 1009 (FAC 1009)
R. Don Cowan Fine and Performing Arts Center (Building 10 (FAC) on map)
UT Tyler
Parking: Lot 8 (P8 on map) by the Braithwaite Gardens.
Enter through the backside of the building
Dinner: On your own
Time: Speaker 7:00 P.M. (No charge for the talk)

**A *More* [Nearly] Perfect Red or Red Bugs in my Yogurt:
The story of cochineal and carmine, and the development
of artificial culture methods for cochineal insects**

Connie Hendrickson
Arkon Consultants

Cochineal dye, or carminic acid (carmine lake) is extracted from the insects of *Dactylopius* sp., which grow on prickly pear cacti. I will talk about the long and not always honorable history of this dye and its production today. Our laboratory has developed a method for growing the insects in culture and holds patents on the process. In a neat juxtaposition of chemistry and biology, cochineal insects can be grown on artificial media rather than on prickly pear cactus, increasing the supply of carmine and minimizing the difficulties inherent in the collection and harvesting of the insects.



Speaker Bio



Connie Hendrickson holds a doctorate in biochemistry from LSU, with a bachelor's in chemistry from La Tech, and postdoctoral stints at Johns Hopkins University and the University of Alabama. She is a Fellow of the American Chemical Society and Honorary Fellow of the American Institute of Chemists, which she served as treasurer, president, and chairman of the board. Her awards include the Doherty Award from the DFW Section and the EPA Presidential Green Chemistry Award. Dr. Hendrickson has a consulting lab specializing in surfactants and industrial cleaners, as well as various technology development and patent work.

Upcoming Dates

April 21	Connie Hendrickson, Arkon Consultants @ UT-Tyler
August 13-17	ACS Fall National Meeting, Philadelphia, PA
September	Jeff Gaffney, University of Arkansas-Little Rock @ Texarkana College
October	Dawn Mason, Eastman Chemical, Kingsport, TN @ ETBU, Marshall
November	TBA
November 10-13	Southwest Regional Meeting, Galveston, TX

Section Website is Live!!

Check out the Section's website for the latest and additional news: <http://easttexasacs.sites.acs.org>

Attention High School Chemistry Teachers

The East Texas Section of the American Chemical Society is offering a limited number of grants to High School Chemistry teachers in our area. We have two different grant programs:

1. High School Chemistry Program that will fund up to \$500 for materials, chemicals or other resources for a chemistry-related project.
2. Chemistry Professional Meeting Support Program that will fund up to \$500 for meeting registration or housing at a professional meeting sponsored by a chemical society, or by a science-related society.

To receive the support applications (electronic format only) please contact Dr. Bruce Hathaway (BruceHathaway@letu.edu) the grants program committee chair.

2016 Section Officers

Chair	Bruce Hathaway	BruceHathaway@letu.edu
Chair-elect	Mike Sheets	mike.sheets@texarkanacollege.edu
Treasurer	Paul Zhang	pzhang@ana-lab.com
Secretary	Mike Sheets	mike.sheets@texarkanacollege.edu
Councilor	Mike Sheets	mike.sheets@texarkanacollege.edu
Alt. Councilor	Philip Verhalen	philip.verhalen@gmail.com
Webmarm	Kristin Butterworth	kmb681@gmail.com

ACS Demo Video Contest

Win a Trip to the Regional ACS Meeting 2016 in Galveston, TX!



Chemistry demo competition

- Create your own chemistry demo
- Video the demo
- Submit the video by April 19th at 5 pm to Dr. Bruce Hathaway at LeTourneau University (brucehathaway@letu.edu)

Rules:

- Video must be 10 minutes or less
- Student group no larger than 4
- Cost of chemicals less than \$30
- Must not require a fume hood
- Video must include: what the demo is about; what chemicals are being used; what is happening in the video; how the demo works chemically; what is unique about the demo
- Goggles and appropriate safety gear must be worn

Rewards:

- Trip to ACS Regional Convention for Grand Prize Group
- All chemicals paid for (up to \$30)
- Trophy from local ACS section
- C&EN ChemMatters article about winners
- Highlight for resume

* One winning group per local section (chosen by May 1) and one overall winner (chosen by May 15). Senior students eligible.

Call for Awards Nominations for SWRM 2016

Nominations for five Southwest Regional Awards to be presented at SWRM 2016 are now being accepted. The five awards available for presentation at SWRM 2016 are:

- Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences (August 1 nomination deadline)
- ACS Division of Chemical Education Southwest Region Award for Excellence in High School Teaching (October 1 nomination deadline)
- E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society (October 1 nomination deadline)
- Southwest Regional ACS Award (October 1 nomination deadline)
- NEW!!!! Student Presentation Scholarship Awards (October 1 nomination deadline).

Full descriptions of each award, including eligibility rules, selection criteria, and nomination forms, are available on the SWRM 2016 Awards Page.

Nominations for the Stanley C. Israel Award for Advancing Diversity in the Chemical Sciences must be submitted directly to the ACS Committee on Minority Affairs by August 1.

Nominations for Excellence in High School Teaching, Volunteer Service, and Southwest Regional awards should be submitted to the SWRM 2016 Awards Chair, Mamie Moy by October 1.

Nominations for Student Presentation Scholarship Awards should be submitted to Ruth Hathaway by October 1.

SWRM 2016 website: <http://scsb.utmb.edu/swrm-2016/>

Upcoming ACS Webinars

April 14, 2016

Creating a Stand Out Professional Development Plan

<http://acswebinars.org/professional-development/development>

How can you ensure you, and your direct reports, are more valuable at the end of the year than they were at the beginning? Drawing from her recent *Harvard Business Review* article, Duke University Fuqua School of Business adjunct professor Dorie Clark will show you how to develop professional development plans – for yourself and your employees – that enable you to flourish and take your career to the next level.

April 21, 2016

Tackling Toxics: The Chemical Class Approach towards Healthier Products and Materials

<http://acswebinars.org/popular-chemistry/toxics>

There are currently tens of thousands of chemicals on the market, screening them for safety can seem like an impossible task. Rather than addressing each compound one at a time, a chemical class approach could be used to address many of the chemicals of concern commonly found in consumer products. Join us as Arlene Blum shares more about this system and how it is used by large purchasers, manufacturers, retailers, and government decision makers.

May 12, 2016

Forensic Toxicology: Cracking the Case with Chemistry

<http://acswebinars.org/popular-chemistry/toxicology>

On television, the forensics lab is able to produce results that can break a case in no time, but what it is like in the real world? Jason Schaff will be joining us to paint a more accurate picture of how chemists work to gather the facts and evidence that can be presented in court. Tune in to learn about the tools and procedures that allow chemists to help to close the case.

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/>.



Campus Map



- 1. Fine Art Complex (ARC)**
Art & Art History
- 2. Auxiliary Building #1 (AX1)**
Office of International Programs (OIP)
- 3. Auxiliary Building #2 (AX2)**
Office of International Programs Annex
- 4. Ingenuity Center Building (ICB)**
- 5. Auxiliary Building #4 (AX4)**
TxAIRE Homes
- 6. James H. Stewart Administration Building (ADM)**
Enrollment Services Center, Cashiers, Human Resources Administration, Welcome Center
- 7. David G. and Jacqueline M. Braithwaite Building (BRB)**
College of Nursing
- 8. Biology, Education and Psychology Building (BEP)**
College of Education and Psychology, Biology
- 9. Business Building (BUS)**
College of Business, Liberal Arts, Academic Computing Center
- 10. R. Don Cowan Fine and Performing Arts Center (FAC)**
Vaughn Auditorium, Braithwaite Recital Hall, Meadows Gallery, School of Performing Arts
- 11. Louise Herrington Patriot Center (HPC)**
Health and Kinesiology, Fisch Convocation Center (volleyball/basketball courts), Vaughn Pool
- 12. Health Clinic (UHC)**
Student Medical Services
- 13. Hudnall-Pirtle-Roosth Building (HPR)**
Communication, Educational Leadership & Policy, Human Resource Development and Technology, Psychology & Counseling
- 14. Modular Building #1 (MB1)**
- 15. Modular Building #2 (MB2)**
Communication Annex – Debate Team & Patriot Talon
- 16. Modular Building #3 (MB3)**
- 17. Robert R. Muntz Library (LIB)**
Library, Patriot Printing Services
- 18. Mr. and Mrs. Joseph Z. Ornelas Residence Hall (ORH)**
- 19. Ornelas Activity Center (OAC)**
University Advancement Alumni Relations
- 20. Patriot Village Apartments (PVL)**
- 21. Physical and Health Education Building (PHE)**
Athletics, Jones Gym
- 22. Physical Plant (PHY)**
Campus Maintenance/Energy Services, Mail Services, Building Maintenance Services
- 23. Power Plant (PPN)**
Campus Utilities
- 24. Power Plant (PPS)**
Campus Utilities
- 25. Ratliff Building North (RBN)**
College of Engineering and Computer Science, Mathematics
- 26. Ratliff Building South (RBS)**
College of Engineering, Chemistry
- 27. Summers Tennis Center (STC)**
Patriot Tennis
- 28. Innovation Academy (IA1)**
- 29. University Center (UC and UCN)**
Dining Services, Student Life and Leadership, Residence Life, Career Services, UT Tyler Barnes and Noble Bookstore, Veterans Resource Center, International Student, Scholar & Faculty Services
- 30. University Pines Apartments (UPA)**
- 31. University Service Center (USC)**
Campus Police
- 32. Eagle's Landing Apartments (EL)**
- 33. W.T. Brookshire Hall (WTB)**
Fisch College of Pharmacy
- 34. Innovation Academy (IA2)**
- 35. Innovation Academy (IA3)**
- 36. Innovation Academy (IA4)**

University Boulevard (spur 249)

To Ornelas Activity Center

To Loop 323

