



AMERICAN CHEMICAL SOCIETY

PERMIAN BASIN SECTION

Newsletter

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Upcoming National and Regional Meetings and Programs

253rd ACS National Meeting & Exposition – Spring 2017

San Francisco, CA

April 2-6, 2017

**Theme: Advanced Materials,
Technologies, Systems & Processes**



73rd Annual SWRM

Lubbock, TX

October 29 – November 1, 2017

Theme:



Permian Basin News

Adrian Jaime (AJ) Maldonado presented an oral report on "**Synthesis of 6-fluorocholesterol and its potential use as a mechanism based inhibitor of parasitic nematodes**" at the 120th Annual Meeting of the Texas Academy of Science (TAS) that was held at the University of Mary Hardin-Baylor, in Belton, Texas, March 3-5, 2017. AJ's oral presentation was recognized as the best oral paper presentation in the Chemistry and Biochemistry Section of the collegiate academy (he received a certificate and a small check). AJ is a dual Biology and Math major who successfully undertook his research with Dr. David Leaver last summer through the Ronald E. McNair program at Sul Ross State University. He is still an undergraduate (David believes only undergraduates were competing for this particular award/recognition). This work was in collaboration with the group of Dr. W. David Nes at Texas Tech University.

On February 25, 2017, several members of the section led workshops at the STEM Conference sponsored by the Girls Scouts of Central Texas and the Angelo State University College of Science & Engineering and College of Health & Human Services. Workshop sessions were led by Dr. Kathryn Louie (“The Chemistry of Art”) with Ms. Dara Anderson and student members Amber Sullivan and Samantha Mabika, Dr. Edith Osborne (“The Chemistry of Jewelry Making”) with student member Jenna Placzek and students Morgan Seals, Loren Ortiz, and Kelli Schroeder, and Mr. Kevin Boudreaux (“Slime, Glop, and Goo: Fun with Polymers”) with student members Blake Holle and Chris Wheeler.



Slime (not a remake of *Dexter*!)



Nylon

The upcoming 253rd ACS National Meeting & Exposition will be in San Francisco, CA, April 2 – 6, 2017. Our ACS student chapters will receive awards from the national ACS Committee on Education for the chapters’ activities during the 2015-16 academic year. Angelo State University’s ACS student chapter will receive a Commendable Award and a Green Chemistry Award for outreach activities. The Midland College ACS student chapter will receive a Commendable award. The ACS chapters will be honored at the meeting on April 2nd.

Several ACS student members will present at the San Francisco meeting:

ACS Student Chapter posters

- Cassidy Taylor: **Chemistry Club: Promoting Chemistry in West Texas** (advisor: Dr. Samuel David, UTPB)
- Megan Ennis: **Club activities and community outreach by ACS student chapter of Midland College** (advisor: Dr. Pat Nandakumar, Midland College)
- Dorian Herrick: **Angelo State University ACS Student Chapter** (advisor: Dr. Edith Osborne, ASU)
- Amber Sullivan: **Angelo State University Green Chemistry Student Chapter** (advisor: Dr. Edith Osborne, ASU)

Research student posters

- Leslie Felix: **Microwave Assisted Metal Nanoparticle Synthesis** (Advisor: Dr. Milka Montes, UTPB)
- Russel Maharaj: **Novel characterization of silver & gold nanoparticles utilizing a laser system** (Advisor: Dr. Kyle Beran, UTPB)
- Jordan McDonald: **Energetic and structural analysis of metallo-heterofullerene derivatives of C₂₀: C₁₉M (M = 3d transition metals)** (advisor: Dr. Kyle Beran, UTPB)
- Maddison Sudduth: **Development and identification of affibody molecules that target crotaled snake venoms** (advisor: Dr. Edith Osborne, ASU)
- Dorian Herrick: **Enhanced reproducibility for the analysis of polycyclic aromatic hydrocarbons in river water** (advisor: David Carter, ASU)

Research student presentation

- Jason Snitker: **Controlled Nanoparticle Morphology Transitions Induced By High Pressure Ice Segregation** (advisor: Dr. Milka Montes, UTPB)

NOTE: News about you makes this publication interesting for our members. Please take a few minutes to jot down what you are doing.

- 1) Speeches, papers, symposia, invited talks
- 2) Publications, patents, grants awarded
- 3) New positions, appointments, promotions, awards, honors, retirements, postdoctoral research
- 4) Offices held in professional societies
- 5) Avocational achievements, miscellaneous

ACS Student Chapter News

In the month of October, the ASU Student Chapter of ACS hosted the following programs:

- January 24: "Pizza and Polymers" — demos with nylon and slime, along with pizza
- February 7: "How Sweet It is: The Chemistry of Candy" — demos of Sterno, and oxidizing a gummi bear with molten potassium chlorate
- February 21: ACS Program in a Box webinar about "The Chemistry of Sports"
- March 7: ASU's Dr. Steven King gave a presentation on "Clinical Chemistry"

A Chemical Thought

Ashes denote that fire was;
Respect the grayest pile
For the departed creature's sake
That hovered there awhile.

Fire exists the first in light,
And then consolidates,
Only the chemist can disclose
Into what carbonates.

Emily Dickinson

Chemists Just Want To Have pHun

Why did the noble gas cry? Because all his friends argon.

Permian Basin ACS Local Section Officers 2017

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If you have news about local activities, student activities, new employees, new members, good (or bad) science/chemistry jokes, or any other events related to the local section that you want to be included in the newsletter, please send the information to Kevin.Boudreaux@angelo.edu.