



**AMERICAN CHEMICAL
SOCIETY**

PERMIAN BASIN SECTION

Newsletter

Volume 10, Number 2

April, 2017



Councilor Corner

Highlights from the 2017 Spring ACS National meeting:

1. Committee on Meetings and Expositions (M&E) reported a total attendance of 18,850 as of Tuesday evening, April 5.
2. The Council voted to set the member dues for 2018 at the fully escalated rate of \$171. This rate was established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.
3. By electronic ballot, the Council selected **Bonnie A. Charpentier and Willie E. May as candidates for 2018 President-Elect**. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.
4. The Committee on Nominations and Elections announced the following:
 - a. Results of the election held prior to the San Francisco meeting to select candidates from the list of nominees to serve as District III and District VI on the Board of Directors for the term 2018-2020. By internet ballot, the Councilors from these districts selected **Alan B. Cooper and Teri Quinn Gray as District III candidates**; and **Rita R. Boggs and Paul W. Jagodzinski as District VI candidates**. Ballots will be distributed on or before October 1 to all ACS members in District III and District VI for election of a Director from each District.
 - b. Selection of the following candidates for Directors-at-Large for 2018-2020 terms: **Kenneth P. Fivizzani, Wayne E. Jones, Bonnie A. Lawlor, and Barbara A. Sawrey**. The election of two Directors-at-Large from among those candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to the Council on or before October 1, 2017.
5. The Council conducted a special discussion, "ACS Yesterday and Today: Paving the Way to Tomorrow," to gather input for the Joint Board-CPC Task Force on Governance Design.

A detailed report may be found on the website <http://permianbasin.sites.acs.org/>

Upcoming National and Regional Meetings and Programs

254th ACS National Meeting & Exposition – Fall 2017

Washington, DC
August 20-24, 2017

Theme: Chemistry's Impact on the Global Economy

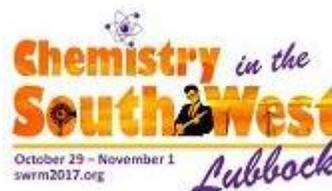
254th American Chemical Society National Meeting & Exposition
August 20-24, 2017 - Washington, DC



73rd Annual SWRM

Lubbock, TX
October 29 – November 1, 2017

Theme: Chemistry in the Southwest



Permian Basin News

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

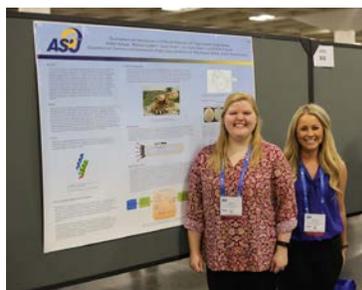
In the month of April, the ASU Student Chapter of ACS hosted the following programs:

- April 11: "Hickory Aquifer Project and its Effect on San Angelo Drinking Water" — presentation by Tymn Combest, Plant Operations Manager for the City of San Angelo

The 253rd ACS National Meeting & Exposition was held in San Francisco from April 2 to April 6. At the Student Chapter Awards ceremony on April 2, Angelo State University's ACS student chapter received a Commendable Award and a Green Chemistry Award, and the Midland College ACS student chapter received a Commendable award.

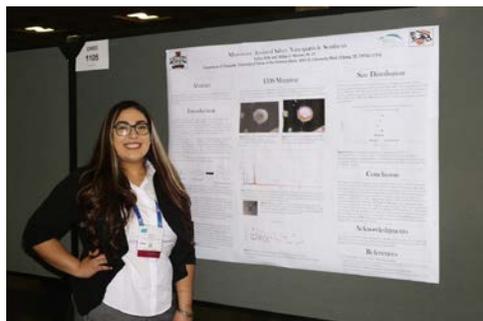
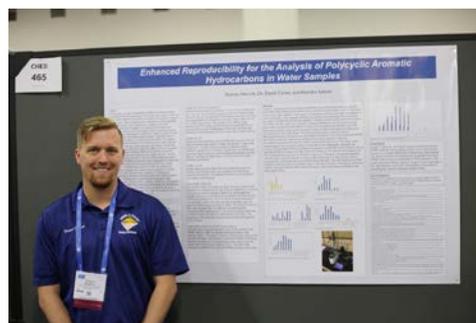
During the 2017 Spring ACS National Meeting in San Francisco, CA, several students for the local section present posters.

Research posters presented:



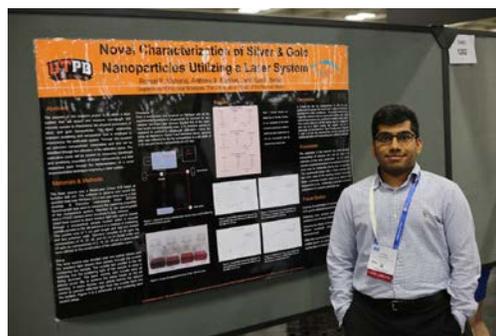
Maddison Sudduth – Development and identification of affibody molecules that target crotalid snake venoms
(Left to right: Amber Sullivan and Maddison Sudduth)

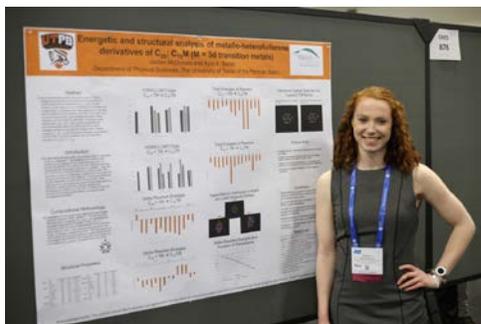
Dorian Herrick – Enhanced reproducibility for the analysis of polycyclic aromatic hydrocarbons in river water



Lesley Felix – Microwave assisted metal nanoparticle synthesis

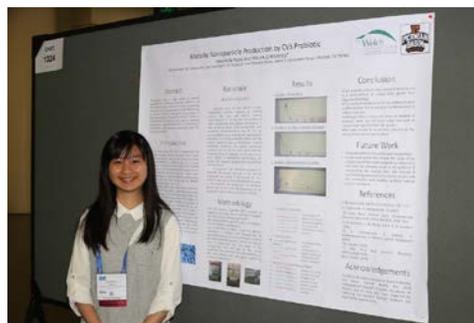
Russel Maharaj – Novel characterization of silver & gold nanoparticles utilizing a laser system





Jordan McDonald – Energetic and structural analysis of metallo-heterofullerene derivatives of C_{20} : $C_{19}M$ ($M = 3d$ transition metals)

Hao-Yun Peng – Metallic nanoparticle production by CVS probiotic

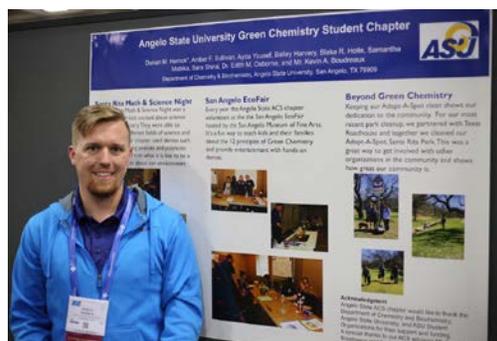


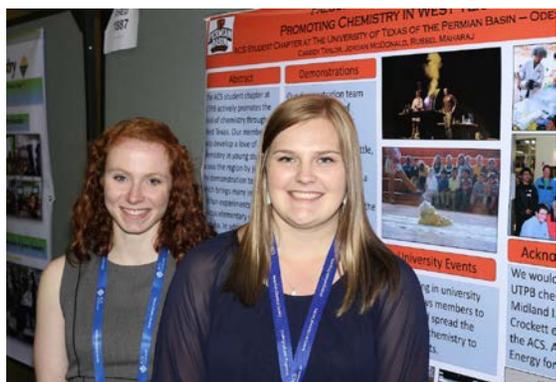
Chapter posters were presented during Sci-Mix (none of us won the raffle for the 10 lbs. of chocolate)



Amber Sullivan – Angelo State University ACS Student Chapter

Dorian Herrick – Angelo State University Green Chemistry Student Chapter





Cassidy Taylor – UTPB Chemistry Club: Promoting chemistry in West Texas
(Left to right: Jordan McDonald and Cassidy Taylor)

Megan Ennis – Club activities and community outreach by ACS student chapter of Midland College

(Left to right: Claude Yimtchi, Megan Ennis, and Giselle Martinez)



On April 26, the Midland College Chemistry club partnered with KMB to help them set up booths in the Farmers' Market and clean Garfield Street as a part of Earth Day activities.



A Chemical Thought

Chlorine's propensity to combine with other elements to form hazardous new compounds, such as mustard gas, was also noted early on. One of these substances was the highly explosive liquid nitrogen trichloride. When Pierre-Louis Dulong first made this compound in 1811, it cost him an eye and three fingers. André-Marie Ampère warned Davy about the dangers, but Davy repeated the experiment anyway, and received cuts to his eye from flying glass.

The critic John Ruskin was sufficiently struck by the contrast between placid nitrogen gas and its explosive chloride to cite them figuratively in his 1860 essay *Unto This Last*, making an argument in favour of 'accidentals' and against man's complete control of his materials:

We made learned experiments upon pure nitrogen, and have convinced ourselves that it is a very manageable gas: but behold! the thing which we have practically do deal with is its chloride; and this, the moment we touch it on our established principles, sends us and our apparatus through the ceiling.

Hugh Aldersey-Williams, *Periodic Tales: a cultural history of the elements, from arsenic to zinc* (2011)

Chemists Just Want To Have pHun

Some students were watching the chemistry professor give a demonstration of the properties of various acids.

"Now," said the professor, "I'm going to drop this silver dollar in a glass of acid. Will it dissolve?"

"No, sir," answered one of the students.

"No?" repeated the prof. "Then perhaps you can explain to the class why it won't dissolve."

"Because," the student said, "if the silver dollar would dissolve, you wouldn't drop it in."

Fanny Brice

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.