



American Chemical Society

Nebraska Section Newsletter

<http://www.nebraska.sites.acs.org/>

FEBRUARY 2015

2015 OFFICERS

- **CHAIR**
Jacob Friest
Novartis Consumer Health,
Lincoln
NEACSCChair@gmail.com
402-472-3429
- **CHAIR-ELECT**
Amanda Glass
University of Nebraska at
Kearney
NEACSCChairElect@gmail.com
- **SECRETARY**
Sara Lovell
Novartis Consumer Health
Lincoln
NEACSSecretary@gmail.com
- **TREASURER**
Richard Hartung
Univ. of Nebraska-Lincoln
NEACSTreasurer@gmail.com
- **COUNCILOR**
James Takacs
University of Nebraska-Lincoln
NEACSCouncilor@gmail.com
- **ALTERNATE COUNCILOR**
Desiree Wineland
ACS Ambassador, Science
Coach, Cambridge High School
ACS Chem/AG club
- **BOARD MEMBERS**
Raychelle Burks
Doane College, Crete

Mark Griep
University of Nebraska-Lincoln

Martha Morton
University of Nebraska-Lincoln

From the Throne

In this issue, there are articles about...

2015 Local Section Officers
"Chemistry on the Silver Screen" webinar
2014 Local Event Hosts & Speakers
2014 Outreach and Travel Grants
2014 Project SEED Students & Advisors
Our Colors are **Eosin Pink** and **Malachite Green!**
Dr. Rachel Lloyd, National Historic Chemical Landmark

This issue was compiled by Mark Griep, 2015 Member at Large, as the final activity of an outgoing Chair

Congratulations to the 2015 Local Section Officers

Please join me in congratulating once again the 2015 Officers, who were elected by the largest voter turnout yet.

Chair: Jacob Friest, Novartis Consumer Health, Lincoln
Chair-Elect: Amanda Glass, University of Nebraska at Kearney
Secretary: Sarah Lovell, Novartis Consumer Health, Lincoln
Treasurer: Richard Hartung, University of Nebraska-Lincoln
Members-at-Large:

Raychelle Burks, Doane College, Crete
Mark Griep, University of Nebraska-Lincoln
Martha Morton, University of Nebraska-Lincoln

These folks plus our LS Councilor Dr. James Takacs, UNL, and our Alternate Councilor Desiree Wineland, Veteran Vineyards, constitute the Local Section Executive Board. Following the pattern established in previous years, the Executive Board will meet twice for dinner this year at Chances R in York to discuss local section business.

2014 Local Event Hosts & Speakers

During 2014, we hosted three seminars at local universities. Each seminar garnered an attendance of 20 to 35 people. We are grateful to the Local Event Hosts at each location for reserving the room, posting flyers, and arranging for snacks.

Dr. Moses Dogbevia at Hastings College, Hastings
Dr. Raychelle Burks at Doane College, Crete
Dr. Dave Treichel at Nebraska Wesleyan University, Lincoln

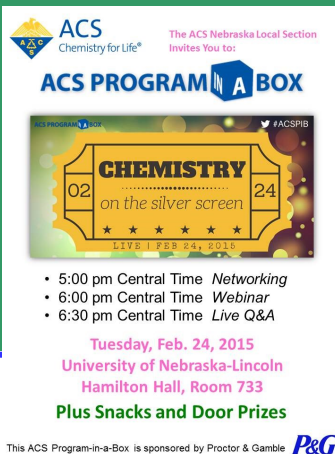
We are also grateful to the three Local Events speakers. Each of them successfully communicated their research to the undergraduates in the audience and fielded some really good questions.

Dr. Hector Palencia from UNK talked at Hastings
Dr. Mahesh Pattabiraman from UNK talked at Doane
Dr. Robert Powers from UNL talked at Nebraska Wesleyan

Contact Jacob Friest to schedule a talk at your college or university

“Chemistry on the Silver Screen” Webinar


On February 24, 2015, the University of Nebraska-Lincoln will host an ACS webinar titled “Chemistry on the Silver Screen”. The webinar will start at 5:00pm in room 733 of Hamilton Hall on the UNL campus. The lead participant is Dr. Donna Nelson, 2015 ACS Chair Elect, Science Advisor to Breaking Bad, and Professor of Chemistry at the University of Oklahoma. The other participants are: Alexis Gambis, Founder and Artistic Director of Imagine Science Films; Kevin Grazier, Science Advisor for TV and Movies including the recent “Gravity”, and Ann Merchant, who co-launched the Science & Entertainment Exchange. Local Section members and their guests are welcome to attend. There will be refreshments and a few door prizes.



The flyer features the ACS logo and text: "ACS Chemistry for Life® The ACS Nebraska Local Section Invites You to: ACS PROGRAM in a BOX". Below this is a graphic of a movie ticket for "CHEMISTRY on the silver screen" dated "02 24" and "LIVE | FEB 24, 2015".

- 5:00 pm Central Time *Networking*
- 6:00 pm Central Time *Webinar*
- 6:30 pm Central Time *Live Q&A*

Tuesday, Feb. 24, 2015
University of Nebraska-Lincoln
Hamilton Hall, Room 733
Plus Snacks and Door Prizes

This ACS Program-in-a-Box is sponsored by Proctor & Gamble 

2014 Outreach and Travel Grants

The Local Section funding opportunities are listed on our website (<http://nebraska.sites.acs.org/>). The resulting grants are making an ever-greater impact on our member's outreach and science communication/networking activities. Here are the activities we funded in 2014.

Emily Wright of Hastings College and 21 volunteer assistants used a Local Section Outreach Grant for a Kids Science Day Camp at Hastings Museum that was attended by nearly 50 children from the 2nd to 5th grades.

Amanda Glass at UNK used her Local Section Outreach Grant for Science Day at UNK. UNK hosted 119 senior high school students from area high schools. The students engaged in hands-on activities and problem solving.

Travis Lund from UNL, Matthew Pilarz from UNL, and Raychelle Burks from Doane are postdoctoral researchers who used their Local Section Travel Grant to attend the ACS National Meeting in San Francisco.

Brad Worley is a UNL graduate student who used his Local Section Travel Grant to attend the 2014 International Council on Magnetic Resonance in Biological Systems (ICMRBS) in Dallas.

2014 Project SEED Students & Advisors

To sponsor a Project SEED student, researchers in academia, government, or industry need to devise a chemistry research project that is 8 to 10 weeks long that would be suitable for a high school student. ACS pays a stipend of \$2500 and the Nebraska Local Section adds matching funds to raise the stipend. During Summer 2014, the Local Section supported four students to participate in the ACS-sponsored Project SEED for chemically interested but economically disadvantaged high school students. The students were:

Malachi Abebe, now attending UNL
Marytza Abebe, now attending UNL
Katharen Hedges, now attending UNL
Samantha Vogel, now in her senior year at High School

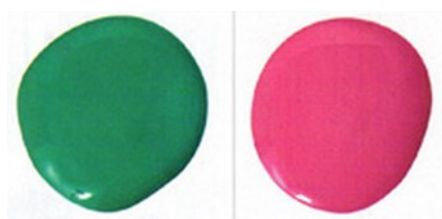
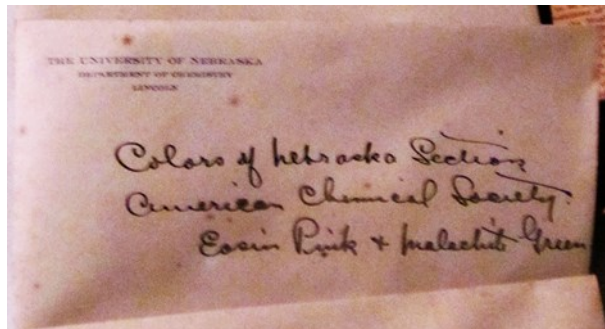
The Summer 2014 Advisors were:

Dr. Barry Cheung from UNL
Dr. Sharmin Sikich from Doane College
Dr. Marilynne Stains from UNL
Dr. Jian Zhang from UNL

According to the assessment, the students were delightfully overwhelmed by the experience. Each of these four advisors were pleased enough with the student performance that all four are sponsoring students in Summer 2015. Thank You and Good Luck!

Our Colors are Eosin Pink and Malachite Green!

In 2014, we learned that the Nebraska Local Section's Colors are Eosin Pink and Malachite Green. This information was discovered from one of the envelopes found in the 1916 Avery Hall time capsule that was removed in 2014 in search of a photo of Dr. Rachel Lloyd. Five envelopes in the time capsule contained stained fibers and one of them listed our colors. These two dyes were important cytological stains by the 1910s and were among the brightest known. Both dyes are still used today.



Envelope found in the Avery Hall 1916 Time Capsule. The two paint spots are eosin pink and malachite green.

Dr. Rachel Lloyd, NHCL

The ACS National Historic Chemical Landmark events for "Dr. Rachel Lloyd and the Nebraska Beet Sugar Industry" reached over 700 people. The ACS NHCL Program has designated over 70 Landmarks since it was founded in 1992. This is Nebraska's first NHCL. Recall that Dr. Lloyd's analysis in the 1880s and 1890s of the sugar content from beets grown on farms across Nebraska led directly to the construction of three beet sugar factories in the State. And, that she was an inspiration to the female and male undergraduates such that the University of Nebraska had the greatest concentration of women chemistry graduate students in the nation for over two decades.

The NHCL Celebration Banquet on October 1 was attended by 74 people, nearly all ACS members. Attendees received a souvenir program/face fan.



Face Fan Photo, October 1, 2014

On October 2, the "Dr. Rachel Lloyd Memorial Conference on Women in Science" was attended by over 630 people. The symposium consisted of 6 female ACS members who first presented a sketch of her life and career trajectory and then gave a summary of her research. The six speakers were: Marinda Wu, ACS Immediate Past President; Jeannette Brown, Historian of African American Chemists; Melanie Simpson from UNL Biochemistry; Julie Strauss-Soukup from Creighton University Chemistry in Omaha; Mary Cloninger from Montana State University Chemistry; and Marijean Eggen from Eli Lilly Pharmaceuticals in Indianapolis. The majority of attendees were UNL undergraduates but also included chemistry faculty and chemistry graduate students. In addition, 31 middle school girls attended the first three talks, after which the UNL Chemistry Department sponsored a special lunch for them. According to the surveys, most of the attending undergraduates do not intend to become chemistry majors but the strongest sentiment was that they felt empowered after hearing the life stories of these "powerful women."

Dr. Rachel Lloyd, Contd



The Conference Speakers (left to right): Marinda Wu, Jeannette Brown, Melanie Simpson, Julie Strauss-Soukup, Mary Cloninger, and Marijean Eggen.

The October 2 luncheon was attended by 37 ACS members. During lunch, Dr. Robert Powers from UNL received his 2014 Outreach Local Section Volunteer Award. Then, we recognized the lifetime contributions of 3 senior local section members: Dr. James Carr of UNL; Dr. Reuben Rieke of Rieke Metals Inc.; and Dr. Gene Wubbels of UNK.



The Luncheon Special Guests (left to right): Robert Powers, Gene Wubbels, James Carr, and Reuben Rieke.