



NEWSLETTER

Oklahoma Section American Chemical Society

Volume 24 Number 2

<http://oklahoma.sites.acs.org/>

April 2019

64TH ANNUAL PENTASECTIONAL MEETING 100 Years of Chemistry

Saturday 13 Apr 2019

8:30 am – 4:30 pm

The NCED Hotel & Conference Center
2801 E State Hwy 9, Norman, OK 73071

Hosted by the Oklahoma Section

Tentative Schedule

7:30 – 10:30 Registration

8:30 Introductory Remarks

8:30 – 10:30 Poster Presentation

10:30 – 12:00 Technical Sessions

- Chemical Education
- Analytical Chemistry
- Nanoscience & Nano Materials
- Biochemistry
- Medicinal & Organic Chemistry
- Physical Chemistry

12:00 – 13:30 Lunch (Fajita Buffet with veggie options)

12:45 – 13:00 Poster Awards and OK Chemist Award

13:00 – 13:45 OK Chemist Talk

14:00 – 16:30 Technical Sessions

- History of Chemistry in Oklahoma
- Computational Chemistry
- Inorganic Chemistry
- Biochemistry & Structural Biology
- Medicinal & Organic Chemistry
- Materials Chemistry

16:30 – 17:30 Informal Discussion (take down posters)

17:30 Meeting Adjourns

Coffee, tea, decaf coffee, and water available all day!

8:30 – 10:30 Morning Snacks

Bagels with assorted flavored cream cheeses
Yogurt Parfait with Homemade Granola

15:00 – 17:00 Afternoon Snacks

Granola/nutrigrain bars
Chips & pretzels

For more information and updates please visit

<http://pentasectional.okstate.edu/>
or contact Lloyd Bumm (bumm@ou.edu)

2019 Oklahoma Chemist Kenneth Nicholas *University of Oklahoma*



Kenneth M. Nicholas of the University of Oklahoma's Department of Chemistry and Biochemistry has been selected as the 2019 recipient of the Oklahoma Chemist Award for his outstanding contributions to the discovery, fundamental understanding and applications of chemical reactions promoted by transition metal compounds. His research group's studies have centered on: 1) the stability and reactivity of metal-coordinated organic species; 2) carbon dioxide activation/conversion promoted by transition metals; 3) the metal-promoted nitrogenation of hydrocarbons; 4) bio-inspired transition metal catalysis; and 4) the catalytic deoxygenation and refunctionalization of renewable chemical resources. The results of these studies have been presented at numerous regional, national and international scientific conferences and published in approximately 200 peer-reviewed journal articles and book chapters and 3 U.S. Patents. These projects have been financially supported with approximately five million dollars from federal and state agencies and foundations including: the Research Corporation, the Oklahoma Center for the Advancement of Science and Technology, the Petroleum Research Fund of the American Chemical Society, the Office of Naval Research, the National Institutes of Health, the U. S. Department of Energy, and the National Science Foundation. Prof. Nicholas' research team is probably most well known for the invention and development of a chemical reaction (often referred to as the Nicholas reaction) which is facilitated by cobalt-coordination to alkynes, that enables their efficient conver-

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Annual Awards Banquet Honorees Members with 50 & 60 years of service in 2019.

50 Years of Service

- Gordon Leonard Eggleton, Durant
- Roger Frech, Norman
- Kenneth Matthew Nicholas, Norman

60 Years of Service

- Tommy Karns Norman
- Francis J. Schmitz, Norman

Councilor's Report

Allen W. Apblett (Oklahoma Section Councilor)

The Council Policy Committee has approved a Special Discussion topic titled *ACS Relevance to Current and Future Members: Challenges and Opportunities* at the next council meeting. The description of the item found in the council's agenda states: "There are likely many ways to improve the ACS value proposition. Prior to the Council meeting in Orlando, Councilors are asked to engage with ACS members from their local sections or divisions and to bring that input to the Council discussion." As a result, I am requesting that you provide me with any suggestions that you might have that would increase the value of ACS membership to you. The council meeting is April 10 so please send any suggestions to me at allen.apblett@okstate.edu before then.

The United Nations General Assembly proclaimed 2019 as the International Year of the Periodic Table of Chemical Elements (IYPT 2019). This year is the 150th anniversary of the discovery of the Periodic System by the Russian scientist, Dmitri Mendeleev in 1869. The International Year aims to recognize the importance of the Periodic Table of Chemical Elements as one of the most important and influential achievements in modern science reflecting the essence not only of chemistry, but also of physics, biology and other basic sciences disciplines. The ACS will celebrate IYPT 2019 throughout the year by showing how chemical elements are central to "linking cultural, economic and political aspects of the global society through a common language, whilst also celebrating the genesis and development of the periodic table over the last 150 years." Please use the URL below should you wish to become involved:

<https://www.acs.org/content/acs/en/education/whatischemistry/periodictable.html#involved>



Chemists Celebrate Earth Week (CCEW) is a community-based program of the ACS. This annual program unites ACS local sections, student chapters, technical divisions, businesses, schools, and individuals in communicating the positive role that chemistry plays in the world. CCEW occurs annually during the week of Earth Day. This year the week is April 21st to 27th and the theme is "Take Note: The Chemistry of Paper". As the Oklahoma Local Section's CCEW coordinator, I am planning an event at the Oklahoma Science Museum on April 21st from 11:00 am to 6:00 pm where I will hand out copies of Celebrating Chemistry in English and Spanish, stickers, tattoos and mood Pencils. If you have children, I encourage you to bring them out to the museum. I will send out a message when plans have been firmed up.

• Web Site Updates Coming Soon •

The ACS has severed ties with the vendor hosting the current OK ACS Section web site. Our web master is working on migrating our site to a new vendor. The URL will not change. Note that the Pentasectional web site is different and unaffected by the migration. Look for these web site improvements later this spring.

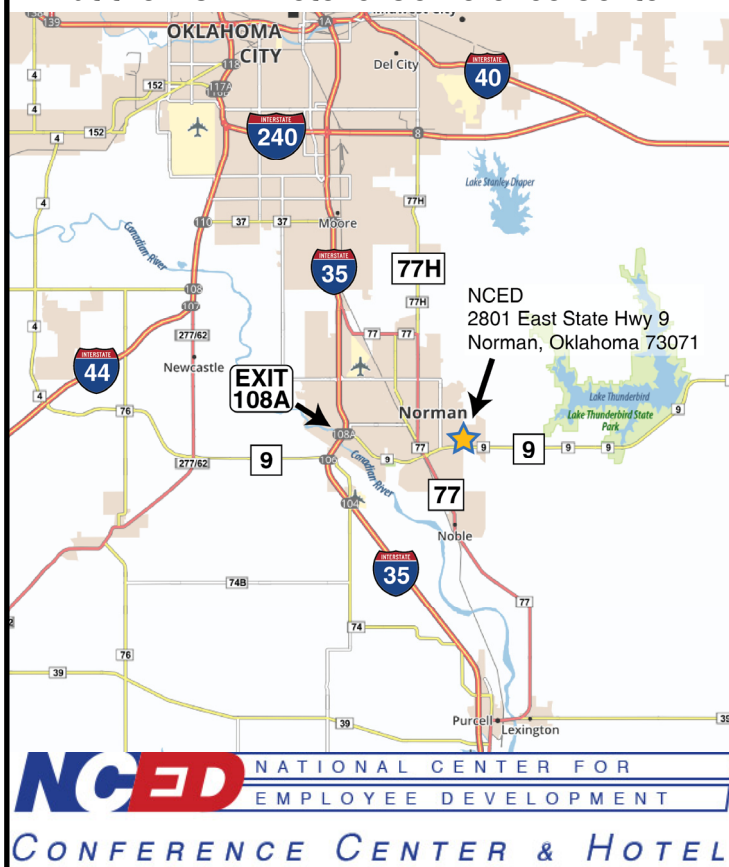
SWRM 2023 OKC
hosted by the Oklahoma Section

(Oklahoma Chemist—continued from front page)

sion to diverse and useful products.

Dr. Nicholas has supervised and mentored approximately 60 undergraduate research assistants, 16 M.S. degree recipients, 26 Ph.Ds. and 38 postdoctoral research fellows, almost all of whom have enjoyed careers in industry, medicine, government or academia. Professor Nicholas has organized a number of scientific conferences and workshops, served on the editorial board of the journal *Organometallics*, and he helped to establish the O.U.-Blaise Pascal U. (Fr) joint M.S. degree program. Prof. Nicholas was a popular, yet challenging instructor of organic chemistry to a few thousand undergraduates and of organic and organometallic chemistry to hundreds of graduate students, many of whom are engaged in successful careers in medicine, the corporate world, teaching and government. Dr. Nicholas has been recognized for his teaching and research accomplishments by the A.P. Sloan Foundation, the University of Oklahoma Regents, by the American Chemical Society's A. C. Cope Scholar Award (for research excellence in organic chemistry), and as a George Lynn Cross Research Professor, the highest research award at O.U. Dr. Nicholas earned a B.S. in Chemistry from Stony Brook University (NY), his Ph. D. from the U. Texas (Austin), did postdoctoral research at Brandeis University, and was on the faculty at Boston College (1973-1984) before joining the Department of Chemistry and Biochemistry at the University of Oklahoma in 1984.

Directions to the 2019 Pentasectional Meeting at the NCED Hotel & Conference Center



OKLAHOMA LOCAL SECTION CENTENNIAL 1919-2019

Charter signed 01 Apr 1919 approved by ACS 14 May 1919.

RECD APR 21 1919

April 1 1919

To the Council of the American Chemical Society.

Gentlemen:

We, the undersigned, members of the AMERICAN CHEMICAL SOCIETY, desire to form a Local Section of said Society for the benefit of those members who reside in Oklahoma

We, therefore, hereby request the Council of the AMERICAN CHEMICAL SOCIETY to authorize the formation of a Local Section to embrace the territory of Oklahoma

with headquarters at Stillwater, Oklahoma

in accordance with the provisions of the Constitution of the Society.

Advisory Committee for the

Approved by the Council April 27 1919

Charles H. Lawrence Secretary.

Alton D. Jones
Richard G. Williams
Paul Menaul
Wm G. Friedemann
C. D. Daniel
Robert Du Bois
W. H. Roberts
Samuel Wright
L. H. Wilson
E. H. Miller

Ralph M. Morgan
Harry T. Bendett
Charles H. Rainey
Chas. K. Francis
W. E. Espey
E. H. Giggins
Walter Muller
D. Glenn Morgan
H. E. Bonnell
L. E. Jackson

1917 South Union Ave, Muskogee, Okla.
Muskogee, Okla.

CHARTER OF THE OKLAHOMA SECTION OF THE AMERICAN CHEMICAL SOCIETY

By authority of the Advisory Committee of the American Chemical Society, a local section of that Society, to be known as the Oklahoma Section, with headquarters at Stillwater, Oklahoma, and embracing the territory of the state of Oklahoma, is hereby established.

John H. Lindner
President

Charles H. Lawrence
Secretary

Washington, D. C.,

May 14, 1919.



ACS
Chemistry for Life™



CHEMISTRY OLYMPIAD

2019 Calendar

- March 1–31 — Local Section Competitions
- April 23–29 — National Exam (exact date TBA)
- TBD — Study Camp
- July 21–30 — 51th IChO Paris, France

Contact Reza Latifi for more information

reza.latifi@okstate.edu

405.744.4330

If your school has not participated before please contact Reza so he knows that you are interested and has good contact information.

SOLICITING NOMINATIONS

Oklahoma Section Awards for Undergraduate Students

- The Roger Baldwin Graduate Student Award provides \$500 for students entering graduate school in chemistry or a chemistry related field. The application deadline is May 1st every year.
- The Terrill Smith Travel Award is a grant of up to \$600 for travel to present a paper or poster at a national or regional ACS meeting. The application deadline is 4 weeks prior to the meeting start date.

For more information and forms

please visit the web site:

<http://oklahoma.sites.acs.org/undergraduateawards.htm>

—Chuck Rice (Awards Committee)



Earth Week 2019

Apr 21–27

Take Note: The Chemistry of Paper

2019 Oklahoma ACS Section Officers and Standing Committee Chairs

Naga Rama Kothapalli	Chair
Stephanie L. Skiles	Chair Elect
Allen Applett	Immediate Past Chair
Lloyd A. Bumm	Secretary + interim Newsletter ed.
Jason Wickham	Treasurer
Allen Applett	Councilor + Nominations Com.
Nicholas F. Materer	Alternate Councilor
Charles V. Rice	Awards Com.
Reza Latifi	Chemistry Olympiad Com.
John Michael Ferguson	National Chemistry Week Com.
Cheryl Frech	Public Relations
Nicholas F. Materer	Web Master



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Oklahoma ACS Calendar of Events.

Visit the Oklahoma ACS WWW site for the latest information.

<http://oklahoma.sites.acs.org/>

CALENDAR OF EVENTS

2019 Dates & Speakers

Apr 13 (Sat) 64rd Pentasectional Meeting

NCED, Norman, OK

Apr 21–27 (Sat) Earth Week

THEME: Take Note: The Chemistry of Paper

May 02 (Thu) venue TBA, Awards Banquet

David Tyler, Department of Chemistry, University of Oregon, Eugene, OR
Paper, Plastic, or Cotton Tote Bag?

What life Cycle Assessments Tell us about the Sustainability

Oct (16–18) MWORM 2019

Wichita, KS

Oct (20–26) National Chemistry Week

Marvelous Metals

Oct (Sat) NCW Event at Science Museum Oklahoma

Nov (13–16) SWRM 2019

El Paso, TX

2023 SWRM 2023

Oklahoma City, OK

hosted by the Oklahoma section

