



NEWSLETTER

Oklahoma Section American Chemical Society

Volume 20 Number 4

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

September 2014

Oklahoma ACS Family Night
Friday 19 Sep 2014

DEMONSTRATIONS OF EVERYDAY APPLICATIONS OF CHEMISTRY

Dr. John Fortman
Wright State University



Live and videotaped chemical demonstrations will be used to illustrate the science behind many useful materials in everyday life. Various demonstrations relate to such things as metals, building materials, soaps and detergents, fuels and combustion, antifreeze, batteries and electronics, electricity and light, air pressure and valves, rubber, foam plastics, heat shrink plastics, foods, medicines, hot packs, cold packs, superabsorbent diapers, carbonated beverages, and weather prediction.

Dr. John Fortman Biographical Sketch

John Fortman received the 2007 Helen M. Free Award for Public Outreach. He is Professor Emeritus of Chemistry at Wright State University where he retired in 2001 after 36 years of teaching freshman and inorganic chemistry. In 1998 he was appointed the Robert J. Kegerreis Distinguished Professor of Teaching and won seven different teaching awards

continued on page 2 with the speaker's biographic sketch. →

Oklahoma Baptist University, Shawnee, OK

map: <http://www.okbu.edu>

6:00 pm Social Hour & Picnic

Wood Science Building [indoor/outdoor]
lawn games—volleyball & croquet

7:30 pm Presentation

Wood Science Building - large lecture hall



OBU map
QR code

Dinner Reservation Information

Cost

Picnic Menu

Hamburgers & hotdogs
potato chips
pickles
cookies
soft drinks

\$8 members
\$5 students
\$3 children under 12

RSVP Deadline

Monday 15 Sep 5 pm
Contact: Nathan Malmberg
405-585-4126

nathan.malmberg@okbu.edu

RSVP is NOT required to attend the presentation.

TAMI MARTYN VOLUNTEERS AS CHEMISTRY OLYMPIAD COORDINATOR



We welcome Dr. Tami Martyn as our new Chemistry Olympiad Coordinator. Tami is replacing Nathan Malmberg. We thank Nathan for his years of service.

Tami Martyn, is an Assistant Professor at Southwestern Oklahoma State University. After graduating from OU in 2009 with her Ph.D. in Physical Chemistry, Dr. Martyn spent her first postdoc years at the Stafford Air & Space Museum in Weatherford as Education Director and Interim Executive Director. Dr. Martyn then accepted the opportunity to teach General Chemistry I and II at OU, including serving as interim General Chemistry Coordinator.

Tami Martyn was born in Cedar Rapids, IA and raised near Goddard, KS. After graduating from Goddard High School, Tami attended Oklahoma State University, Stillwater and the University of Oklahoma, Norman. Her research experiences in Biophysics, Chemistry Education and Physical Chemistry have developed Dr. Martyn's interest in biological materials.

Tami is passionate about lifelong education opportunities, whether through formal or informal settings, she strives to provide and participate in opportunities that include people of all ages. In her current position at SWOSU, Dr. Martyn will continue supporting strong education in the state of Oklahoma through the ACS Chemistry Olympiad, FTC Robotics and the

continued on page 3, Tami Martyn →

OK ACS OFFICER NOMINATIONS

We are seeking nominations for 3 positions

Chair Elect ·· (3 year term—chair elect/chair/past chair)

Treasurer (2 year term)

Alternate Councilor (3 year term)

Please send nominations to

Paul Sims (Section Chair) psims@ou.edu
or Allen Apblett (Nominations chair) allen.apblett@okstate.edu

get involved • make a difference

ELECTION SCHEDULE

Nominations due 17 Oct • Ballot mailing 27 Oct

Cast Ballots due on or before 11 Nov

Councilor's Report from the Fall 2014 National Conference

Allen W. Apblett (Oklahoma Section Councilor)

It was a fairly uneventful Council meeting this year in San Francisco but there are a few things that affect the Oklahoma Section that I will report on. The Nominations and Elections committee announced **the Candidates for President-Elect, 2015** to be:

- *Peter K. Dorhout*, Dean of Arts & Sciences and Professor of Chemistry, Kansas State University, Manhattan, KS,
- *William A. Lester, Jr.*, Professor of the Graduate School, Department of Chemistry, University of California, Berkeley, CA,
- *Donna J. Nelson*, Professor, Department of Chemistry and Biochemistry, University of Oklahoma, Norman, OK.

The candidates for Directors-at-Large, for the 2015 to 2017 term are:

- *Dawn A. Brooks*, Sr. Director, Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, IN,
- *William F. Carroll, Jr.*, Vice-President, Occidental Chemical Corporation, Dallas, TX,
- *Barbara A. Sawrey*, Associate Vice Chancellor, Academic Affairs, and Dean of Undergraduate Education, University of California, San Diego, La Jolla, CA,
- *Ellen B. Stechel*, Deputy Director, ASU-LightWorks, Tempe, AZ, Arizona State University.

As your councilor, I would welcome your input on the selection of the Director at Large.

The Budget and Finance Committee reported that the Society's 2014 probable year-end financial projection which calls for a Net Contribution from operations of \$14.4 million, or \$752,000 higher than the Approved Budget. Total revenues are projected at \$497.2 million. This is \$1.1 million or 0.2% unfavorable to the Approved Budget. The projected shortfall is primarily driven by lower-than-budgeted Electronic Services, Registration Fees, and Advertising revenues. Total expenses are projected at \$482.8 million, which is \$1.9 million or 0.4% favorable to the Approved Budget. This variance is the result of lower-than-budgeted expenses across multiple categories primarily in the Society's information services divisions (CAS and Publications).

The new American Association of Chemistry Teachers (AACT) [<http://teachchemistry.org/>], which is now accepting members and will officially launch September 2, 2014. AACT member benefits include access to curricular resources, such as: lesson plans and multimedia; professional development opportunities; a subscription to ChemMatters; and an online member network.

The new Meeting Abstracts Programming System (MAPS) was launched on August 25 in preparation for the Denver National Meeting. Regional Meetings and specialty conferences will use MAPS starting in January 2015. No details of this new system were provided but the expectation is that it will perform better than the old PACS system.

After the report from the Membership Affairs Committee, I suggested to Council and the committee the consideration of a new membership benefit: **A guarantee that papers submitted to ACS journals by ACS members be given the benefit of peer review rather than being rejected out of hand by an editor.** Screening by editors is described as a necessary evil due to the large number of manuscript submissions (over 100,000). Numerous people who felt their papers were unfairly rejected including

(speakers biosketch, continued from front page)

over the years at Wright State. In 1998 he received the CMA Catalyst Award for Outstanding Teaching of College Chemistry. Dr. Fortman received his B.S. from the University of Dayton in 1961 and his Ph.D. in physical inorganic chemistry from the University of Notre Dame in 1965. He has published over 50 papers in chemical education in addition to his research publications. With Ruben Battino he has produced a seven DVD set which contains ten hours of chemical demonstrations for use at middle school through college levels plus a live show and blooper outtakes. For over 30 years he has done chem demo outreach shows for middle and high school students in the Dayton area and continues to inspire and fascinate over 8000 students each year with at least 19 shows. He has done workshops on teaching and demonstrations around the country. He has designed alternative courses for general chemistry, elementary chemistry and chemistry for elementary education majors. His course for non-science students was cited as a model in the 1990 AAAS report on "The Liberal Art of Science Agenda for Action". The alternative general chemistry course was developed while he was a member of the General Chemistry Task Force of the ACS Division of Chemical Education and starts with organic and biochemistry moving through materials and finishing with energy while empathizing applications and bringing in only those principles that are needed as they are necessary. The course has been characterized as being taught inside-out, upside-down, and backwards. His interests in addition to demonstrations and course content and organization include the use of analogies and videotaped material. John has been an ACS member since 1962 and was Councilor for the Dayton Local Section from 1996 to 2004. Since he became an ACS Tour Speaker in 1991 he has given over 356 section talks, visiting 170 of the 190 different local sections while doing 76 tours including all 29 different tours at least once. He has presented in all 50 states and Puerto Rico.

**SOUTHWEST
REGIONAL
MEETING
2014**



<http://www.swrm2014.org/>

Fort Worth, TX | November 19-22, 2014

(Councilor's Report, continued from left)

several councilors and ACS Fellows at the council meeting have approached me with complaints. Indeed, many papers rejected by ACS journal have won significant recognition and awards when published elsewhere. I would like to see ACS members receive better treatment. Not only would we have less disgruntled members but this benefit would help the Society recruit new members. I am interested in hearing from members of the Oklahoma Section who have had problems with editorial rejection of manuscripts submitted to ACS journals.

(Tami Martyn, continued from front page)

Boy Scouts of America (girls 14 and up are included).

While not an Oklahoman by birth, Tami has made Oklahoma home. From the mountain bike trails around Lake McMurry, hiking around Lake Thunderbird and canoeing on Crowder Lake and the Illinois river, Tami enjoys spending time with her family outside. Tami lives in Weatherford with her husband, Dr. David Martyn, and three kids.

NATIONAL CHEMISTRY WEEK

19–25 OCTOBER

— this year's theme —

The Sweet Side of Chemistry
CANDY

Stay tuned for this year's section event.

Please contact Michael Ferguson to help out
email: jferguson@uco.edu phone: 405.974.5391

Collecting historical documents of the Oklahoma ACS section

This is a request for your help.

The centennial year of the Oklahoma section of the ACS is in 2019, as you are no doubt aware. As part of the centennial awareness, we would like to make historical materials available electronically to the membership. This will help make the information readily available to members and to ensure its preservation.

We are writing to ask for your help. Can you donate or lend any of these materials for this project?

- newsletters
- issues of *The Vapor Pressure*
- meeting flyers or announcements
- copies of the minutes and our annual reports
- programs of the state-wide meetings (variously known as the all-state, trisectional, tetrasectional, and pentasectional meetings)
- anything else that may be of interest

If you have interesting stories regarding past happenings regarding chemistry in Oklahoma or the section, we would appreciate if you could share those with us.

Please contact me directly if you can help, or if you know a colleague with a trove of section materials--please forward this request to them. I look forward to hearing from you.

—Lloyd A Bumm, Secretary, OK ACS

60TH ANNUAL PENTASECTIONAL MEETING

one fine Saturday this spring 2015 in Pittsburg, KS
Hosted by the MO-KAN-OK Section

Oklahoma Chemist Award 2015 Call for Nominations

Five (5) copies of a single nomination should be sent no later than **06 February 2014** to:

Dr. K. Darrell Berlin
Chair, Oklahoma Chemist Awards Committee
Department of Chemistry
Oklahoma State University
Stillwater, OK 74078
(405) 744-5950
kenneth.d.berlin@okstate.edu

Criteria and Guidelines for the Preparation of the Nomination and for Selection of the Recipient

1. A nomination letter for the candidate by a colleague, friend, etc.
2. A complete, up-to-date resume of the candidate.
3. A two-page "highlight" of the candidate's major accomplishments.
4. Five (5) letters of support for the nominee.
 - a) Two (2) letters from colleagues at the candidate's place of employment.
 - b) Three (3) letters from outside the candidate's place of employment.
 Letters from individuals with expertise in the candidate's field are especially welcomed.
5. Special information on the candidate is also solicited, especially as to how the candidate has advanced chemistry in the state of Oklahoma.
6. Candidates may be involved in research or in chemical education within the state.

!! MARK YOUR CALENDARS !!
October Section Meeting
Thursday 09 Oct at SWOSU
Allen Ablett, OSU Chemistry
topic: The Influence of Serendipity on Chemistry



2014 Oklahoma ACS Section Officers and Standing Committee Chairs

Paul A. Sims	Chair
Luis D. Montes	Chair Elect
Dane W. Scott	Immediate Past Chair
Lloyd A. Bumm	Secretary + interim Newsletter ed.
Jason Wickham	Treasurer
Allen Ablett	Councilor + Nominations Com.
Nicholas F. Materer	Alternate Councilor
Charles V. Rice	Awards Com.
Tami Martyn	Chemistry Olympiad Com.
J. Michael Ferguson	National Chemistry Week Com.
Cheryl Frech	Public Relations
Jim Dechter	Web Master



L. A. Bumm
Oklahoma Section of the ACS
Homer L Dodge Dept of Physics & Astronomy
The University of Oklahoma
440 W Brooks St
Norman, OK 73019-2061

Nonprofit Organization
U.S. Postage Paid
The University of Oklahoma
Norman, OK
Permit No. 88



OK ACS web
QR code

Oklahoma ACS Calendar of Events.

Visit the Oklahoma ACS WWW site for the latest information.

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

CALENDAR OF EVENTS

2014 Dates & Speakers

Sep 19 (Fri) OBU, Family Night, John Fortman, Wayne State University
Demonstrations of Everyday Applications of Chemistry

Oct 09 (Thu) SWOSU, Allen Ablett, OSU Chemistry
The Influence of Serendipity on Chemistry

Oct (19–25) National Chemistry Week
The Sweet Side of Chemistry — Candy

Nov TBA

Nov (19–22) SWRM 2014
Forth Worth, TX

Spring 2015 (Sat) Pittsburg, KS, 60th Pentasectional Meeting

2019 Oklahoma Section Centennial