

NEWSLETTER

Oklahoma Section American Chemical Society

Volume 16 Number 3

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

Oct 2010

Section Meeting Thursday 14 Oct 2010

AMERICAN SCIENCE POLICY HOW THE SAUSAGE IS MADE

Dr. Donald M. Burland National Science Foundation (retired)



The mechanisms by which the Federal Government supports basic scientific research and education can seem to the outsider to be confusing and untidy. Support is spread over a number of agencies including the National Science Foundation, the Department of Defense, the Department of Energy, and the National Institutes of Health to name only a few. In this presentation, the history of science funding in the U.S. will be outlined, the mechanisms by which funding is authorized and appropriated by Congress described, and the rationale for Government support of basic research detailed.

6:00-6:30 pm Social Hour 6:30-7:30 pm Dinner 7:30-8:30 pm Presentation

Stillwater Plaza Hotel & Conference Center 600 E McElroy Rd Stillwater, OK 74075

http://www.stillwaterplaza.com

Dinner Reservation Information

Menu Mexican Buffet

Cost \$20 members \$5 students RSVP Deadline Monday 11 Oct 5 pm Contact: Nick Materer 405-744-8671 materer@okstate.edu

RSVP is NOT required to attend the presentation.

NATIONAL CHEMISTRY WEEK 16–23 October



Behind the Scenes with Chemistry!

We are kicking it off early this year to head off fall break.

When: Saturday 16 October 2010

(10:00 am to 3:00 pm)

Where: Macy's Court area

Quail Springs Mall.

hands-on activities

stuff to take home

chemistry shows!

contact for details or to volunteer Michael Ferguson (405-974-5391) jferguson@uco.edu

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)
- Councilor (3 year term)

Please send nominations to:

Nick Materer—Section Chair—materer@okstate.edu

get involved • make a difference

Election schedule

Nominations due 20 Oct Ballot mailing 22 Oct Cast Ballots due on or before 05 Nov

See page 2 for the speaker's biographic sketch. →

Councilor's Report from the Fall 2010 National Conference

Allen Apblett (Oklahoma Section Councilor)

The following is a summary of the key actions of the ACS Council at the 2010 fall national meeting.

Election Results

Committee on Committees, 2011-2013 term. Council elected Janet L. Bryant, H. N. Cheng, Amber S. Hinkle, V. Michael Mautino, and Yorke E. Rhodes

<u>Council Policy Committee, 2011-2013 term.</u> Council elected John E. Adams, Alan M. Ehrlich, Mary Virginia Orna, and Dorothy J. Phillips

Committee on Nominations and Elections, 2011-2013 term. Council elected Jeannette E. Brown, Martha L. Casey, D. Richard Cobb, Lissa Dulany, and Angela K. Wilson

Petitions to Amend the Constitution and Bylaws

The Council received one amendment to the ACS Constitution and Bylaws for action: The Petition on Recorded Votes. The Council VOTED to approve the Petition on Recorded Votes. This petition provides for additional voting methods, e.g., electronic clickers that have been recently used at Council meetings, when conducting recorded votes. The Board of Directors will vote within 90 days on whether to ratify the approved petition.

Committee Review

As part of a regular performance review, the Council VOTED to continue the Committee on Science. Continuation of the Committee on Science also requires Board of Directors concurrence.

Membership Activity

The 2010 membership numbers are on track to meet yearend goals. The Student Member community has continued to grow since creation of this new member category in June 2009. The number of Student Members was 12,815 as of July 31, 2010.

Local Section Changes in Territories and Dissolution

Northeast Oklahoma absorbs North Central Oklahoma. The Council VOTED to change the territory of the Northeast Oklahoma Local Section to include all members residing in the North Central Oklahoma Local Section territory. The North Central Oklahoma Local Section will be dissolving on December 31, 2010 because its membership has fallen below the minimum requirement. This change in local section territory allows all members residing in the North Central Oklahoma territory to remain assigned to a local section.

<u>Binghamton absorbs Norwich.</u> The Council also VOTED to change the territory of the Binghamton Local Section to include the Norwich Local Section, which will dissolve on December 31, 2010 because its membership also has fallen below the minimum membership requirement. This territory change will allow members residing in the Norwich territory to remain assigned to a local section.

(continued from front page)

Dr. Donald M. Burland Biographical Sketch

Dr. Burland received an A.B. degree from Dartmouth College and a Ph.D. degree in chemistry and physics from the California Institute of Technology. After a two year post-doctoral stint at the University of Leiden. The Netherlands, he joined IBM's Research Division where he served in various research and management positions for 26 years. In 1997, he joined the National Science Foundation's Division of Chemistry where he was Executive Officer and Acting Division Director. He has been a Consulting Professor in the Chemical Engineering Department at Stanford University and is currently a Visiting Scientist in the Chemistry Department at the University of Virginia. He is a Fellow of the American Physical Society, has been a member of the National Academy of Science's Chemical Sciences Roundtable and the ACS's International Affairs Committee. His research interests have included charge transport in crystalline and amorphous systems, nonlinear optical properties of polymers and femtosecond laser spectroscopy. He has also directed groups studying the physics and chemistry underlying electrophotographic printing and magnetic storage.

Did you know we also distribute the newsletter and information on section activities by email?

The Oklahoma Section communicates with its membership through several channels, including: email, this printed newsletter, and our web page. If you haven't been getting notifications of up coming meetings and other section activities by email, perhaps we do not have your current email address.

We use the email address list obtained from and maintained by the ACS. There are 3 different ways you can update your information.

- 1) Log in to the ACS website (www.acs.org) and edit your profile
 - —via the *Edit My Profile* link located under the welcome banner after you login.
- 2) Phone the ACS Customer Service team (1–800–333–9511).
- 3) Send an email to the ACS Customer Service team (service@acs.org).

Help us keep in touch!

-The Oklahoma Section of the ACS Executive Commit-

Our Website has recently changed. Check out the new site!

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

56TH ANNUAL PENTASECTIONAL MEETING Saturday 12 Mar 2011

ConocoPhillips Bartlesville Technology Center Bartlesville, OK

Petrochemicals and Beyond: Chemical Technology for the 21st Century

Hosted by the Northeast Oklahoma Section (Bartlesville).

keynote speaker: Nancy Jackson, ACS President

Symposium Session Topics

Renewable Fuels and Chemicals
Nanotechnology
Catalysis
Polymer Chemistry
Biochemistry/Organic Chemistry
Analytical Chemistry
General Session

WWW site coming soon

Household Mineralogy: Emery

Emery in the form of emery boards and emery paper is a common enough household item and we are told that emery is just a variety of corundum (hexagonal Al_2O_3). This is true up to a point, but naturally-occurring emery is usually a mixture of minerals. The predominant mineral is corundum, which is quite hard (H = 9). But other minerals occur intimately mixed with the corundum in the emery. Ironbearing spinel minerals such as magnetite (cubic Fe₃O₄) and hercynite (cubic FeAl₂O₄), and rutile (tetragonal TiO₂) contribute to making emery a dark gray to black material. Because these minerals are softer than corundum, the effective hardness of emery is something less than nine.

Formerly, the Greek island of Naxos was the most important source of this industrial abrasive, but the widespread manufacture of cheaper synthetic abrasives has cut into demand for emery.

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2010 MIDWEST REGIONAL ACS MEETING

27-30 October 2010-The Marriott Wichita-Wichita, Kansas



Oklahoma Chemist Award 2011 Call for Nominations

Five (5) copies of a single nomination should be sent no later than 29 January 2011 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.
- 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.

CHEMISTRY OLYMPIAD

information coming in November

2010 Oklahoma ACS Section Officers and Standing Committee Chairs

Nicholas F. Materer
Amanda J. Nichols
Chair Elect
Lloyd A. Bumm
Immediate Past Chair + Secretary
+ interim Newsletter editor
Kenneth H. Brown
Allen Apblett
Donna J. Nelson

Chair
C

Charles V. Rice Awards Com.

Nathan Malmberg Chemistry Olympiad Com.

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

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Oct 16-23 NATIONAL CHEMISTRY WEEK

Speaker Donald Burland, National Science Foundation (retired)

Stillwater Plaza Hotel & Conference Center

Oct 14 (Thu) local section meeting

nttp://oklahoma.sites.acs.org/

American Science Policy: How the sausage is made

Visit the Oklahoma ACS WWW site for the latest information.

Oklahoma ACS 2010 Calendar of Events.

Oct 27-30 2010 Midwest Regional ACS Meeting

The Marriott Wichita, Wichita, Kansas Nov 10 (Wed) local section meeting

Updated Versions of Some of Faraday's Demonstrations Used with His Christmas Lectures on the Chemical History of a Candle Southwestern Oklahoma State University, Weatherford, OK Speaker John Fortman, Wayne State University

Bartlesville Technology Center, Highway 60 &123, Bartlesville, OK Mar 12 (Sat) 2011 56th Annual Pentasectional Meeting

