



NEWSLETTER

Oklahoma Section American Chemical Society

Volume 11 Number 4

September 1, 2005

Rediscovery Of The Elements

Friday - September 30, 2005
Wood Science Building
Oklahoma Baptist University
Shawnee OK 84701

Dr. James L. Marshall
Virginia Marshall
University of North Texas
Denton TX 76203-5070

For the past seven years Dr. Jim and Jenny Marshall have been involved in "Rediscovery of the Elements," where they have traveled to the sites where the elements were originally found. These travels take them to old laboratories, mines, universities, museums, ancient buildings and houses -- mostly in Europe, where science was born several centuries ago and where the fundamentals of modern chemistry were developed. In their project Jim and Jenny have traveled and researched elements in over twenty countries in Europe, as well as Mexico, Canada, and the U.S. In their presentation Jim and Jenny will present a brief tour of the types of adventures encountered during this research, spanning countries reaching from Scotland through France to Bohemia. Particular emphasis will be placed on the discovery of uranium and radium and the story of radioactivity. Jim and Jenny will include several demonstrations to dramatize the fascinating researches of Pierre and Marie Curie. After the talk Jim and Jenny will distribute copies of some of their descriptive materials, including the "Iconic Periodic Table of the Elements."

[Reservation Information on Page 2] 

Schedule: [Note: the "family night" meeting format.
Also a FRIDAY evening meeting]

6:00 PM Social Hour: Wood Science Building: Games [indoor/outdoor], soft drinks. Social hour will blend into dinner time.

7:00 PM Dinner: Wood Science Building: Tables/chairs set up inside or folks can eat outside if weather permits.

8:00 PM Speaker: Wood Science Building - Large Lecture Hall.

Menu: Hamburgers, hotdogs, potato chips, pickles, cookies & brownies.

Cost: \$8.00-ACS Member; \$5.00-ACS Student Affiliate; \$3.00 Child < 12 years.

Deadline: Wednesday, 28 September, 2005 - 5:00 PM. Shawna York 405.878.2028
shawna.york@okbu.edu [Indicate # of adults & # children.]

Directions To Wood Science Building:

From I-40:

Exit at Kickapoo Interchange.

Head South on Kickapoo until you reach University [**third traffic light**].

Turn **WEST** onto University and then next **right** onto "The Oval".

Wood Science Building is the first building on the right.


If spaces are available, attendees can park on "The Oval".

If not, follow "The Oval" back around to University and parking lots can be found on both sides of the street **west** of "The Oval" on University.

From South:

Take **Kickapoo Spur Exit** off US 177. North on Kickapoo to University.

Dr. James L. Marshall

James L. Marshall gained his B.S. in chemistry at Indiana University in 1962, and his Ph.D. in organic chemistry at Ohio State University in 1966. The following year Dr. Marshall joined the Department of Chemistry at the University of North Texas. At UNT he was involved in conformational analysis utilizing carbon-13 nuclear magnetic resonance coupling constants. During the early 1980s Dr. Marshall spent six years at Motorola, Inc., Ft. Worth, where he developed the laboratory facilities for the Advanced Manufacturing Technology Program. In 1987 he returned to the University of North Texas where he conducted materials research; and in the 1990s he initiated research in chemical history. His research at UNT has resulted in over 100 publications, including a reference book on nmr, and several books on the history of chemistry and laboratory chemistry. At UNT Dr. Marshall has served as Director of Industry-University Cooperative Research Center, Director of the Center for Materials Characterization, and Chairman of the Department of Chemistry. Dr. Marshall has served as Chairman of the Dallas-Ft. Worth Section of the American Chemical Society, and during the period 1995- 2003 was Managing Editor of The Southwest Retort, an ACS publication of the Southwest Regional. He has served as an ACS national tour speaker for many years. For the past six years he and his wife have been developing an extensive work, "Rediscovery of the Elements," where they visit and reported on international historical sites where the elements have been discovered and characterized. 

Neil Purdie - Oklahoma Chemist 2005

Neil Purdie, Chair of the Department of Chemistry at Oklahoma State University, has received the 2005 Oklahoma Chemist Award from the five ACS Oklahoma Sections. The award consists of a plaque in the shape of the state and \$1,000. The presentation was made at the 50th Oklahoma Pentasectional meeting held in April. Purdie is known for his research into methodologies to identify various lipid, lipoprotein, cholesterol, and cholesterol ester fractions in a quantitative manner from blood samples. In limited clinical trials, applications have been found for revealing various types of dislipidemia and the extent to which they have progressed.

Purdie received the Merrin Award of the Medical School at the University of Cape Town, in South Africa, in 1999 for his work. He has previously received numerous awards for his teaching ability, including the Gold Medallion of the Oklahoma Foundation for Excellence in 1990 as the College/University Teacher of the Year.

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Oklahoma Chemist Award - 2006

Nominations for Oklahoma Chemist of the Year - 2006 are now being accepted.

Five [5] copies of a single nomination should be sent by no later than January 20, 2006 to:

Dr. K. Darrell Berlin
Department of Chemistry
Oklahoma State University
Stillwater OK 74078
405.744.5950
kdb@okstate.edu

Criteria and Guidelines for the Preparation of the Nomination and For Selection of the Recipient of The Oklahoma Chemist Award.

1. A nomination letter for the candidate by a colleague, friend, etc.
2. A complete, up-to-date resumé 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.

kdb 

Chemistry Olympiad

At its 09/30/05 OBU meeting, the Oklahoma Section of the American Chemical Society will honor the 10 outstanding high school chemistry students and their teachers for their performance in the 2005 Chemistry Olympiad. Over 250 students in the Oklahoma Section participated in the local competition. Ten qualified to take the U.S. National Chemistry Olympiad Exam in April, 2005.

The students and their teachers are:

Shichao Liang	OSSM	Fazlur Raman
Jason Chen	OSSM	Fazlur Raman
Chris Mihalsky	Edmond North High School	Deborah Greear
Anil Rao	Edmond North High School	Deborah Greear
Philip Gibson	Stillwater High School	Jack Schroeder
Sean Henley	Stillwater High School	Jack Schroeder
Lourdes Ramos	Moore High School	Valerie Ferguson
Derrek McGowen	Moore High School	Valerie Ferguson
An Nguyen	Classen SAS	Carolyn Bish
Aaron Anderson	Elk City High School	Roger Shockey

50 Year Section Member Awards

The Section's 2005 50 year members will be honored at the November Section meeting at East Central University, Ada. Put the November ACS Section meeting on your schedule: help honor our 50 year ACS members.

The 2005 50 year members are:

Dr. K. Darrell Berlin - Stillwater
 Dr. Elliot Porter Doane – Oklahoma City
 Dr. Floyd Farha Jr – Oklahoma City

Section Officers/Committee Members.

The Section will hold a Fall 2005 election for Chair-Elect, Secretary and Alternate Councilor. Nominations for all three positions are now being accepted! If you wish to nominate someone, or stand for one of these offices yourself, contact: Steve McKim, Nominations Chair: 580.745.2648 or smckim@sosu.edu The ballots will be mailed at the end of September, 2005.

ACS National Election.

The Committee on Nominations and Elections [N&E] is pleased to announce the final slate of candidates that will appear on the fall 2005 ballot. They are:

For President-Elect – 2006

Mr. George E. Heinze, President & COO, Rockland Technimed, Ltd., New York
 Dr. Catherine T. Hunt, Leader, Technology Partnerships, Rohm and Haas Company, Pennsylvania
 Dr. John W. Kozarich, Chairman & President ActivX Biosciences, California

For Directors-at-Large - 2006-2008

Dr. James D. Burke, Retired, Rohm and Haas, Pennsylvania

Dr. Edwin A. Chandross, Principal, Materials Chemistry LLC, New Jersey

Dr. C. Gordon McCarty, Retired, Bayer Corporation; Adjunct Professor, University of South Carolina

Dr. Frankie K. Wood-Black, Director, Consent Decree Coordination, Conoco Phillips, Texas

For Directors, District III - 2006-2008

Dr. Catherine C Fenselau, Professor, University of Maryland

Dr. Madeleine M Joullié, Professor, University of Pennsylvania

For Directors, District VI - 2006-2008

Dr. Bonnie A. Charpentier, Vice-President Regulatory, Genitope Corporation, California

Dr. Stanley H. Pine, Professor, California State University

The above slate of candidates was confirmed at the ACS Council meeting in San Diego, California. According to ACS Bylaw V additional candidates may be nominated by petition until July 15th, 2005. We will notify you again after the July 15th deadline to confirm the final slate of candidates that will appear on the fall ballot.

Upcoming Oklahoma 2005 Section Meetings:

October: Thursday October 20, 2005

Speaker: Janis Carlson

Location: OSU Stillwater

November: Speaker: Chemist of the Year-Daniel Resasco

Location: ECU/Ada

Date: Thursday, 24 November, 2005

September 2005 Section Meeting

Friday, 30 September, 2005

Oklahoma Baptist University

Rediscovery Of The Elements.



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State University
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Weatherford OK 73096-3098

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