



American Chemical Society East Tennessee Section

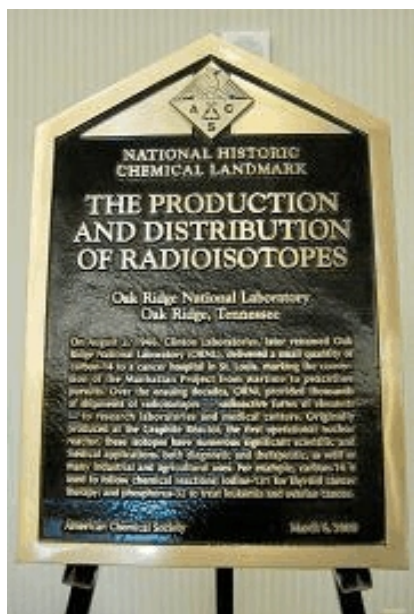
The Branched Chain

April 2008

Newsletter and Meeting Announcements
Web Page: <http://www.chem.utk.edu/~acs>

Volume 14 No. 3

April Meeting, Tuesday, April 15, 2008



ACS Landmark Award

This ETS-ACS meeting will be held at the American Museum of Science and Energy in Oak Ridge. Dr. Roberto will talk about the history and significance of the radioisotope production and distribution by ORNL that is being commemorated by the ACS Landmark award. At this meeting, a commemorative plaque will be presented to the American Museum of Science and Energy.

“Radioisotope Production at ORNL” by Dr. Jim Roberto, Oak Ridge National Lab

Lecture: 5:00 p.m., American Museum of Science & Energy, Oak Ridge, TN

Directions: From I40 West, take the Pellissippi Parkway, Highway 162, (exit 376A) to Oak Ridge. Stay on Pellissippi Parkway, Highway 162, for about 8 miles. It blends into Highway 62 at the Solway community. After crossing the bridge, bear to the left lane and continue into Oak Ridge. Continue through 3 traffic lights and turn right onto Tulane Avenue (Taco Bell is on the corner). The museum is a short distance down on the left.

Dinner: 6:30 pm. at the China Palace restaurant on River Road in Oak Ridge.

RSVP by Friday, April 11, to Al Hazari at 865-974-1065 or ahazari@utk.edu

Directions: Take Pellissippi or Oak Ridge Highway (Hwy. 62) through Solway toward Oak Ridge and take the Edgemore Road exit right after you cross the bridge. Proceed to first traffic light and turn onto River Road. (This is a goofy intersection...the exit goes to the right just before the light and then turns back across Edgemore Road onto River Road, under the light.) Proceed on River Road. The restaurant will be on your right, adjacent to the marina, a mile or more after leaving Edgemore Road.

Abstract: Birth of a National Laboratory: Development, Production, and Distribution of Radioisotopes at ORNL

Oak Ridge National Laboratory (ORNL) was recently recognized as a National Historic Chemical Landmark by the American Chemical Society for its leading role in the development, production, and distribution of radioisotopes. In this presentation, the history and impact of the radioisotope program will be described in the context of the early development of the Laboratory. Many of the characteristics of a modern national laboratory can be seen in the postwar radioisotope mission, and the relevance of these characteristics today will be described in terms of current and future research activities at ORNL.

Biographical Sketch: Jim Roberto is deputy director for science and technology at Oak Ridge National Laboratory. As deputy director, he oversees one of the nation's largest research and development programs in materials and physical sciences, energy and engineering sciences, computational sciences, life and environmental sciences, neutron sciences, and national security. Prior to his present appointment, he served as ORNL's associate laboratory director for physical sciences from 1999 to 2004 and director of the Solid State Division from 1990 to 1999. Roberto joined ORNL in 1974 following completion of a B.S. in Aeronautics and Astronautics

from Massachusetts Institute of Technology and Ph.D. in Applied Physics from Cornell University. His research interests have included x-ray and neutron scattering, ion-surface interactions, materials for fusion reactors, and nanoscale science and technology. Roberto is a former President of the Materials Research Society and Chair of the Division of Materials Physics of the American Physical Society. He is also a fellow of the American Association for the Advancement of Science and a recipient of the 2004 National Materials Advancement Award from the Federation of Materials Research Societies.

Message from the Chair

Greetings everyone! I would like to express on gratitude to Dub Shults for his work in obtaining the Landmark Award for ORNL. Dub has kept me and the Executive Committee informed of his progress at each step of the process. He has worked tirelessly in scheduling activities associated with the award. Well done Dub!!! We appreciate all that you have done. Please join us at AMSE for the unveiling of the Landmark Award.

Larry Kennard

Fun with Forensics: Adventures in Chemistry

Grades 6-8

Working in small groups with UT chemistry graduate students, campers become investigators by exploring scientific and chemical principles and techniques used to detect criminal acts. Students will examine physical, synthetic blood and trace evidence, organize and record data, think critically, conduct simple tests, combine their data to solve a crime. Parents are invited to attend the lab wrap-up during the final 30 minutes each day.

Instructors: Association of Chemistry Graduate Students and Dr. Al Hazari, Cost: \$99, Location: UT Dabney/Buehler Hall, Room 300, Dates/Time: June 16-20, 2008, Monday-Friday, 1:30-5:00 p.m. For information, contact Dr. Al Hazari at 865-974-1065 or ahazari@utk.edu. For registration, call 865-974-0150 or go to <http://www.outreach.tennessee.edu/ppd/kidsu>.

2008 ETS-ACS Officers

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2008 East Tennessee ACS Meeting Schedule

Tuesday, April 15: Radioisotope Production at ORNL, American Museum of Science & Energy, Oak Ridge

Thursday, May 1: Switchgrass to Ethanol, Dr. Kelly Tiller, UT Institute of Agriculture, Knoxville

Awards Night, Calhoun's on the River, Knoxville

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The Branched Chain
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