



American Chemical Society Wichita Section

August 2012 Newsletter
Stephen Donnelly, Editor

Section Meeting
Thursday, 6 September, 7:00 PM
OxyChem Industry Tour
Wichita, Kansas

Meal (optional): 5:30 p.m

Dinner will be served in the Alumni Reception Area of the Dugan Conference Center at Newman University in Wichita. Directions and a campus map can be found at:

<http://www.newmanu.edu/campus-map>

Tour: 7:00 p.m

Dr. William Carroll will present a short discussion after the meal about the OxyChem plant. After the presentation the group will travel the short distance to the plant for the tour.

Please RSVP (dinner only, tour only, or both) to Dr. Jung Oh at jroh@k-state.edu by 30 August. Due to safety concerns the tour will be limited to 30 participants - tour RSVPs will be honored on a first-received/first-served basis. Participants will be required to wear personal protective equipment that will be provided at the plant.

Speaker: Dr. William F. Carroll, Jr.

Bill Carroll is a vice president of Occidental Chemical Corp. He earned a Bachelors degree at DePauw University in 1973, Masters Degree from Tulane University in 1975, and Ph.D. from Indiana University in 1978. He is currently Chair and Director-at-Large of the ACS Board of Directors, and he was ACS president in 2005. He has been a member of the American Chemical Society since 1973.

OxyChem

Occidental Petroleum Corporation (NYSE: OXY) is an international oil and gas exploration and production company. The OxyChem Wichita KS plant makes chlorine and sodium hydroxide from electrolysis of salt water, and makes organic and inorganic derivatives of chlorine for hundreds of applications. There will be a 15-20 minute presentation before the tour. The plant is located at 6200 S Ridge Road in Wichita.

Newman to OxyChem Plant

Take K-42 southwest to Hoover Rd. Turn left (south) on Ridge Road and continue past 55th street south to the plant, which will be on the left. Please car pool if possible.

Chair's Message

Dear Section Members:

Another academic year has begun and I would like to start with "Thanks!" and "Cheers!"

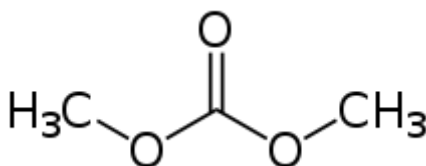
First, our section has been selected as a finalist for the ChemLuminary Award, with presentation at the 244th ACS 2012 Fall National meeting in Philadelphia, for 2010 Outstanding Regional Meeting that our section hosted with wonderful team work led by Arthur Landis and Paul Rillema. Congratulations to entire section!!!!

Second, our section secretary, Janice Crowley, resigned in June. I thank you for her service, especially for Chemistry Olympiad and April Award meeting. Our section web-master, Eric Trump, serves as our secretary remaining 2012. Thank you!

I understand that our June meeting presentation by Dr. Jeff Bryan on Fukushima was very successful, even though it happened during our academic session time.

This month's meeting will be wonderful opportunity with the industry tour, OxyChem. Send RSVP to jroh@k-state.edu with subject heading ACS Wichita by August 30.

Respectfully submitted,
Jung Oh, Chair, ACS Wichita Section

Molecule of the Week**dimethyl carbonate**

Dimethyl carbonate is a colorless flammable liquid that was originally made by the reaction of 2 moles of methanol with 1 mole of phosgene. But because of phosgene's extreme toxicity, it is now manufactured by the transesterification of propylene carbonate and methanol or the copper-catalyzed reaction of methanol, oxygen, and carbon monoxide. Dimethyl carbonate is increasingly used as a methylating agent in place of hazardous, waste-generating compounds, such as dimethyl sulfate and methyl halides¹.

¹ **The Chemistry of Dimethyl Carbonate**, Pietro Tundo and Maurizio Selva, *Accounts of Chemical Research* **2002** 35 (9), 706-716

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Wichita Section Web Site:

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

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