

Detroit, Huron Valley, Toledo TRISECTIONAL MEETING

Art, Archaeology and Chemistry
with *Sister Mary Virginia Orna*
Saturday, February 11, 2006
Toledo Museum of Art
www.toledomuseum.org

**2445 Monroe Street at Scottwood Avenue Toledo, Ohio
43620 The Museum is just west of Toledo's downtown
business district, directly off Interstate 75**

You're invited for an afternoon at the world-renowned Toledo Museum of Art! The afternoon will be filled with docent tours of exhibits such as *Persona/ non Persona: Portraits Without Faces* and *Louis Comfort Tiffany: Artist for the Ages*. The afternoon will culminate with a special lecture from Sister Mary Virginia Orna on art, archaeology, and using chemistry to explain mysteries of the past. The lecture will be followed by a reception including a variety of hors d'oeuvres and soft beverages. The reception will allow our members and associates to converse with *our guest speaker* in a relaxed atmosphere on issues of art, archeology and the chemistry tools used.

Event starts at 12pm followed by the Presentation at 1pm and the event concluding at 4pm.

Please reserve your place for this wonderful event. **Reservations must be received by February 3rd**. The entrance to the museum is free however to defray some of the cost there will a charge for this event of \$10.00 in advance or at the door. College students - half price! Checks can be made payable to ACS –Toledo Local Section.

To make a reservation by February 3rd or for additional informa-

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tion, please contact: Joseph A. Grappin at (419) 868-8812, email to: ja.grappin@sbcglobal.net

TriSectional Meeting Abstract: The archaeological chemical rewards of spending a sabbatical year in Israel and Italy will be discussed along with modern chemical methods used to examine both ancient and modern artifacts. The archaeological work in Israel involved analysis of ancient pigments and dyes found on excavated materials from caves in the Judean desert and the ancient fortress of Masada. Textiles from the "Cave of the Warrior" were examined for their pigment content. The work in Italy involved examination of medieval artists' manuals for recipes for blue pigments which were then carried out and characterized with some surprising results. Additional applications of the methods of archaeological chemistry to such famous artifacts as the forgeries of Han van Meegeren and the Shroud of Turin will be discussed, including some evidence that the radiocarbon date of the Shroud may not be valid because of fire damage experienced by the Shroud in 1532. Pros and cons will be discussed.

Sister Mary Virginia Orna, O.S.U. (Order of Saint Ursula) is Professor of Chemistry at the College of New Rochelle. She is also Editor-at-Large of *Chemical Heritage* magazine, former Director of Educational Services at the Chemical Heritage Foundation, and presently Publications Coordinator of the *Journal of Chemical Education*. She received her Ph.D. in analytical chemistry from Fordham University. She has lectured and published widely in the areas of color chemistry and archaeological chemistry. Her articles have appeared in the *Journal of Chemical Education*, *Color Research and Application*, *Studies in Conservation*, *Analytical Chemistry*, *Microchemical Journal*, *Journal of Biological Chemistry*, American Chemical Society monographs, and various other journals. She is currently serving as ACS Councilor and a member of the ACS Committee on Committees. She also did research on ancient middle-eastern artifacts in collaboration with the Israel Antiquities Authority, the Israel Museum and the Edelstein Center for the Analysis of Middle Eastern Textiles and Related Artifacts.

ACS Central Regional Meeting Focuses on 'Diverse Interactions'

The 2006 Central Regional Meeting (CRM), hosted by the Midland (Michigan) Section of ACS, will be held in Frankenmuth, MI, May 16–20. In keeping with the meeting's theme "Diverse Interactions: The Elements of Success," abstracts are being sought for symposia that represent a wide variety of scientific interests. The online abstract submittal program opened November 21, 2005, and runs through March 10, 2006. Advance registration also opened November 21.

To promote interaction between disciplines as well as areas of application, major symposia will cover emerging, traditional, regional, and special topics. Two areas featured include nanotechnology with a workshop titled "It's a Small, Small World," and the 39th Annual Silicon Symposium, which has been built into the CRM meeting. Attendees will be offered daily plenary lectures supplemented by nine parallel sessions over the four-day meeting. Workshops will cover science literacy, bringing science to life in the classroom, innovation, nanotechnology, brewing science, and career services.

Technical papers being sought for each symposium include:

- **Emerging Areas:** Advance lithography, advance materials for portable energy devices, alternative feedstocks, biotechnology, defense applications of nanotechnology, environmental challenges, nanocomposites, optoelectronics, and photonics.
- **Traditional Areas:** Catalysts and advanced materials for clean energy, chemical education, computational and theoretical science, emulsion polymerization and latex technology, olefin catalysis and plastic materials, polymer characterization, surface characterization, undergraduate program.
- **Regional Interests:** Coatings technology, personal care, pharma, rubber/elastomers technology.
- **Special Symposia:** Analyzing the World Around Us Techni-

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cian Symposium, Brewing Science, Functionalized Polymer Interfaces and Adhesion, History of Chemistry in the Midland Area, Knowledge Management/Data Mining, Silicon Symposium, Small Chemical Business.

Please submit abstracts online through the CRM 2006 website at www.crm2006.org and visit the website for periodic program updates. For more information, contact the program chairs at:

admin@crm2006.org.

By Kurt Brandstadt, Chair, 2006 Central Regional Meeting

YOU CAN HELP SHAPE THE FUTURE

You can demonstrate your commitment to chemistry and our next generation of scientists by contributing to programs that directly impact individual lives. Your contribution to one or more of the following programs will spare the interest and support the academic achievement of aspiring young chemists and improve our world for the better through chemistry.

- A gift to Project SEED will help a young economically disadvantaged high school student experience hands-on research in a lab alongside a scientist-mentor
- A contribution to ACS Scholars helps an underrepresented minority student with financial need pursue a chemical science degree.
- A number of you recognize your high school chemistry teacher as the reason you are in chemistry today. Your support will help a teacher be the best he or she can be in the classroom by attending ACS Teacher Training workshops.
- Your contribution to the ACS Green Chemistry Institute will positively impact human health and our environment by promoting sustainability through green chemistry principles.

For more information on these programs or to make a gift, please contact Mary Bet Dobson or Kathy Fleming, ACS Development Office, 1155 16th Street, NW Washington, DC 20036, 1-800-227-5558, ext 6210 or visit

www.chemistry.org/gifts

Calendar of Upcoming Events

January 26, 2005—Joint Section/ANACHEM/SAS Meeting: “FOOD SAFETY: FACTS & FICTION” by L. Felix Schneider, FDA (Retired). *See pages 1 & 15 for details.*

February 11, 2005—15th Annual High School Chemistry Teachers In-Service Day *See page 5 for details.*

February 11, 2005—Trisectional Meeting *See pages 10-11 for details.*

March 16, 2006—Local Section Exam for the US National Chemistry Olympiad, at the University of Michigan-Dearborn. Contact Mark DeCamp at (313) 593-5379 or mdecamp@umd.umich.edu.

March 26-30, 2006—ACS Spring National Meeting, Atlanta, Ga

May 16-20, 2006—Central Regional Meeting *See pages 12-13 for details.*

Detroit ACS Section and ANACHEM on the Web

A Website for the Detroit ACS Section and ANACHEM, maintained by Ed Havlena can be found at: <http://www.detroitsection-acs.org>

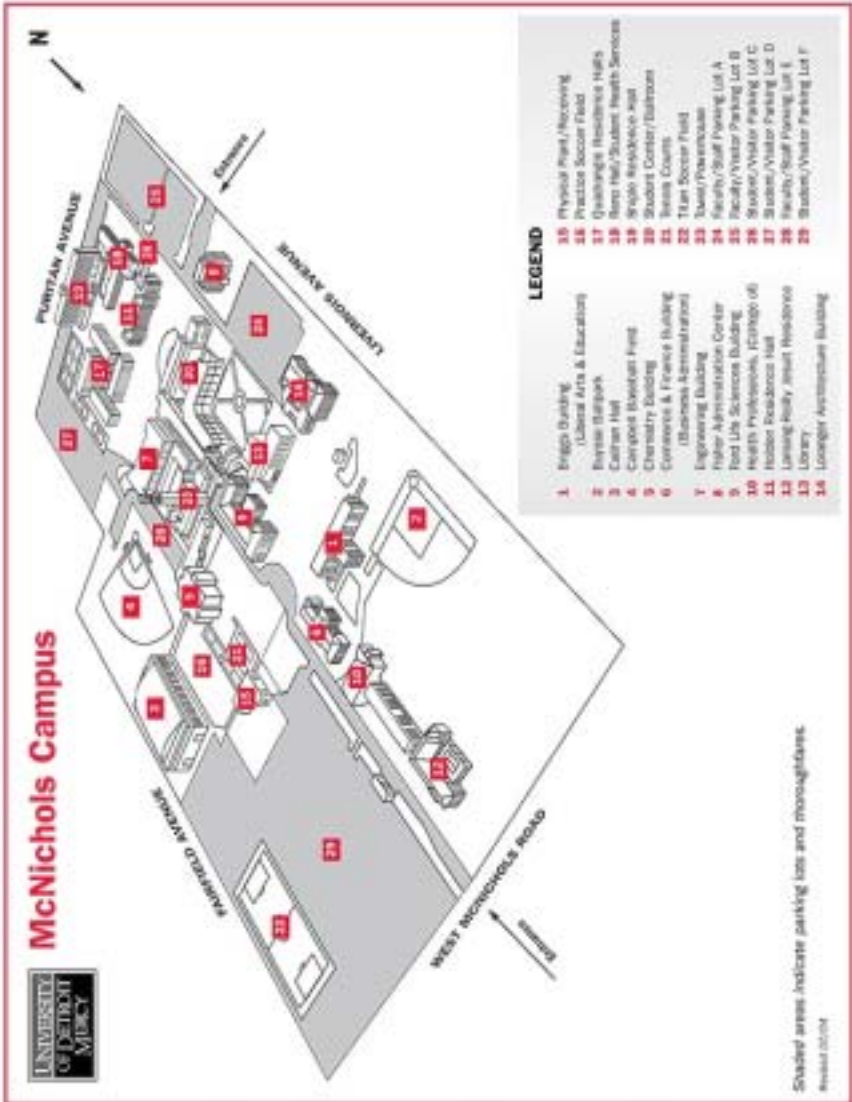
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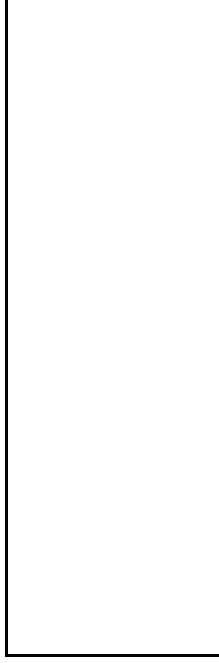


Location of January Meeting:



Detroit Section ACS
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