



Vol. 83 (1) January 2007

# ISOTOPICS

The Cleveland Section of the American Chemical Society

## On Deck:

**Wednesday, February 21**

*History Night and  
NEO/SAS Joint Sponsors*

**Norman Craig**

*History of Vibrational  
Spectroscopy*

Sterle's Slovenian Country Club

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[http://www.csuohio.edu/cleveland\\_acs/](http://www.csuohio.edu/cleveland_acs/)

## January Meeting Notice

Wednesday, January 17, 2007

Baby Grand

Co-sponsored by the *Younger Chemists Committee*

4:30 pm	Executive Committee Meeting
5:30 pm	Social Hour
6:30 pm	Dinner
7:30 pm	After Dinner Talk
8:30 pm	Informal Discussion

## Better Wine through Chemistry

*Jan Cobett, American Wine Society*

Chemistry is an important facet in winemaking. While successful winemaking is a combination of science and art, chemistry is at the very core of the process. This presentation will focus on several aspects of chemistry and its importance in winemaking.

### Speaker Bio

In 2006, Jan served as the National President of the American Wine Society, a 5,000 member non-profit organization, whose mission is "Promoting the appreciation of wine through education." Prior to serving as President she served on the Board as Secretary and Vice President. In addition, she has been a Regional Vice President and co-chair of the Cleveland Chapter. Jan and her husband Tom also served as co-chairs of the 2000 AWS National Conference held in Cleveland.

Jan is a native Ohioan and grew up in Tallmadge, a suburb of Akron. She graduated from Miami (Ohio) University with a BA and earned her MBA from Baldwin-Wallace College. Jan has been in commercial banking for over 30 years and is currently a Vice President of Credit Administration for Key Bank. Jan has been an amateur winemaker for ten years and along with husband Tom, has won numerous medals including Best of Shows and Best Vinifera Wine at the AWS National Amateur Wine Competition.

**DINNER RESERVATIONS REQUIRED:** Please RSVP by contacting Dr. Lily Ng, by phone at 216-687-2467 or by e-mail at l.ng@csuohio.edu by **5 pm on Friday, January 12.** (For phone reservations, please clearly spell your last name and leave a return phone number.) Cost of the dinner is \$20 for members & guests and \$10 for students. Checks made out to "Cleveland ACS" are greatly appreciated. The menu will be a mix of Chinese and American foods, including chicken marsala, orange chicken, vegetable lo-mein, one complimentary drink and a cash bar.

## Directions to Baby Grand

**From the east:** Take I-90 west to Superior Ave. heading east. At 32<sup>nd</sup> St. take a left to St. Clair Ave. The Baby Grand is on the right on the corner of 34<sup>th</sup> and St. Clair (34<sup>th</sup> is the one way heading south).

**From the west:** Take I-90 east to Superior Ave. heading east. Follow the directions from above.

**From the south:** Take Route 77 north to the I-90 merge heading north. Follow the directions from above.

## Meeting in Miniature – March 7, 2007 Call for Papers

The annual Meeting in Miniature will be held on March 7, 2007 at Notre Dame College. The afternoon generally consists of oral presentations followed by a poster session during the social hour before dinner. Abstracts for presentations can be submitted by *email only* as a **Microsoft Word documents** (we cannot guarantee that any other format can be properly translated) to Dr. Stephen M. Feltch, program chair, at [sfeltch@ndc.edu](mailto:sfeltch@ndc.edu). Abstracts must be submitted **no later than February 1, 2007**. Monetary awards for best undergraduate and graduate student oral presentations will be given, so encourage your students to participate. Questions about paper and poster submissions can be directed to the program chair.

## Election Results for 2007

*Chair Elect:* **Rachel Barbour** (07)

*Treasurer:* **Joe Gorse** (07-08)

*Secretary:* **John Pendery** (07-08)

*Trustee:* **Elizabeth Dabrowski** (07-08)

*Councilor:* **David Ball** (07-09)

*Alternate Councilor:* **Mary Zeller** (07-09)

## 2007 Irene C. Heller Award – Call for Nominations

The Cleveland Section of the American Chemical Society annually sponsors an award to recognize an outstanding high school chemistry teacher in the Cleveland Section. The award consists of an honorarium of \$1,000 and a framed certificate. The award is named for Irene Heller of North Olmsted High School in recognition of her contributions as an outstanding high school chemistry teacher and her service to the Cleveland Section. Preliminary nominations for the award should be presented to Ken Street (contact info below) by **March 16, 2007**. The nominations should consist of information on the candidate's education, professional experience and activities, awards and honors, offices held and specifics on significant contributions. The letter of nomination should highlight these significant contributions. A detailed Curriculum Vita of the candidate may also be included. Seconding letters are suggested. Nominations should be sponsored by at least one member of the Cleveland Section. The Cleveland Section is geographically confined to the counties of Cuyahoga, Geauga, Lorain, Medina, Huron, and Erie. Nominators of candidates who work outside of these counties may contact the Cleveland Section or the American Chemical Society for more information about High School Chemistry Teacher Awards. Electronic nominations using Word Files will be greatly appreciated.

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Case Western Reserve University - Department of Chemistry  
**Spring 2007 Chemistry Colloquia & Frontiers Lectures**

4:30 p.m. Clapp Hall, Room 108

*Visitors are welcome for coffee and cookies at 4:15*

<b>Date</b>	<b>Title</b>	<b>Speaker Affiliation</b>
January 18	Molecular Imaging-From the Benchtop to the Bedside	<b>Yanming Wang</b> CWRU
January 25	Mechanistic Insights into Proofreading Steps That Help to Ensure Accuracy in Protein Synthesis	<b>Karin Musier-Forsyth</b> U. of Minnesota
February 1	From 2H-Phospholes to Phosphaporphyrins	<b>François Mathey</b> UC Riverside
February 8	Studies in Lipid Peroxidation; From Chemical Mechanisms to Clinical Relevance	<b>Ned Porter</b> Vanderbilt U.
February 15	New Twists in Nazarov Cyclization Chemistry	<b>Alison Frontier</b> Rochester U.
February 22	Metal Clusters in Biology: An Ongoing Challenge to Inorganic Synthesis (Frontiers in Chemistry Lecture)	<b>Richard Holm</b> Harvard
March 1	Synthetic Organic Ion Channels that Function in Membranes	<b>George Gokel</b> U. Missouri, St. Louis
March 8	Myths, Misconceptions, and the Molecular Mechanism of Lead Poisoning (Frontiers in Chemistry Lecture)	<b>Hilary A. Godwin</b> Northwestern
March 22	Building Block Approaches to Molecular Nanomagnets (Frontiers in Chemistry Lecture)	<b>Kim Dunbar</b> Texas A&M University
March 29	Single Molecule Studies of Molecular Mousetraps: Protease-Serpin Interactions & Serpin Folding	<b>Anne Gershenson</b> Brandeis
April 5	Electrocatalysis on Metal Uniform Nanoparticle Arrays and Monolayer Thin Films: Unravel the Structure-Reactivity Relationships	<b>Shouzhang Zou</b> Miami U. of Ohio
April 12	Hybrid Nanoassemblies for Solar Energy Conversion	<b>Prashant Kamat</b> Notre Dame.
April 19	Excited States of Transition Metal Complexes: Interactions with DNA and Photodynamic Therapy	<b>Claudia Turro</b> Ohio State University
April 26	Supramolecular Metal Clusters as Nanoscale, Chiral Flasks (Frontiers in Chemistry Lecture)	<b>Kenneth Raymond</b> Berkeley

## Younger Chemists Committee

### *Special Co-Sponsorship – Special Price*

The Cleveland Section YCC is co-sponsoring the January meeting. Dinner will consist of a mix of Chinese and American food and the evening will be highlighted by a special presentation by Jan Cobett, a local expert on wine chemistry. In order to encourage all of our younger chemists to participate, the YCC is offering to pay for half of your dinner. The price for chemists 35 years and younger will be \$5 for students and \$10 for members and guests. Please contact Dan Tyson at [daniel.s.tyson@nasa.gov](mailto:daniel.s.tyson@nasa.gov) before **Friday, January 12** with your name and number of guests so we can guarantee you receive the special dinner price. Please make sure you also make your dinner reservations as described on the cover page.

Please note, if we have a small turn out of younger chemists, we will be able to cover your entire dinner price! This is not guaranteed, but who knows...

**Hope to see you there!**

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American Chemical Society  
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