

March Section Meeting:

Patricia Troy speaks on “Restoration of the St. Clair River and other Great Lakes Areas of Concern”

Date: Thursday, March 16, 2011
Time: 6:30 PM Reception (light refreshments served)
7:00 PM Presentation
Location: St. Clair County Community College
Citizens First Michigan Technical Education
Center, M-TEC Room 150
Port Huron, Michigan (please see map on page 2)

Patty Troy has been a member of the St. Clair River Binational Public Advisory Council (BPAC) for 19 years. She represents the BPAC on the Statewide Public Advisory Council. Patty manages the laboratory for the Port Huron Water Reclamation Facility, and previously worked as a senior chemist for Acheson Colloids Company in Port Huron.

The St. Clair River flows southward about 40 miles (64 km) connecting the southern tip of Lake Huron to Lake St. Clair. The river is part of the boundary between the United States and Canada.

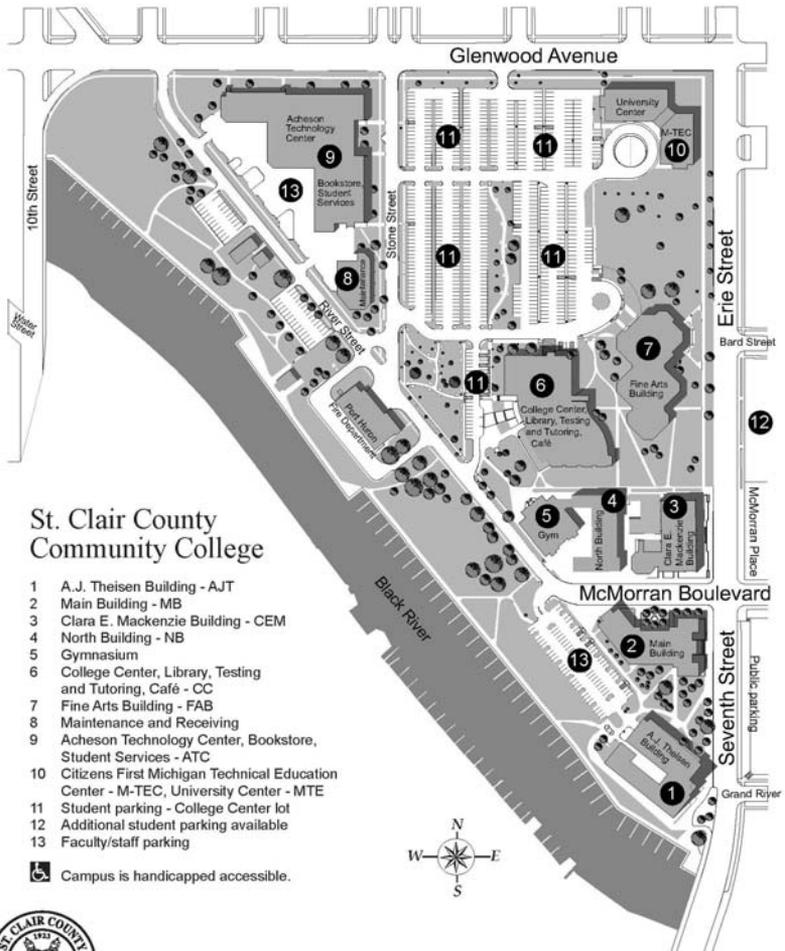
The St. Clair River branches into several channels near its mouth at Lake St. Clair, creating a broad delta region. The Area of Concern includes these important wetlands from St. Johns Marsh on the west (near Anchor Bay) to the north shore of Mitchell's Bay in Ontario.

The Great Lakes suffer from a legacy of abuse including toxics

(Continued on page 2)

(Continued from page 1)

and habitat destruction. This presentation will discuss current Great Lakes issues. What are the challenges and opportunities? Discussion will include on-going and planned protection and restoration initiatives, with a focus on the St. Clair River. The address of St. Clair County Community College is 323 Erie Street in Port Huron. Attendees can get to the College off Water Street (not far from the I-94 Expressway).



St. Clair County Community College

- 1 A.J. Theisen Building - AJT
- 2 Main Building - MB
- 3 Clara E. Mackenzie Building - CEM
- 4 North Building - NB
- 5 Gymnasium
- 6 College Center, Library, Testing and Tutoring, Café - CC
- 7 Fine Arts Building - FAB
- 8 Maintenance and Receiving
- 9 Acheson Technology Center, Bookstore, Students Services - ATC
- 10 Citizens First Michigan Technical Education Center - M-TEC, University Center - MTE
- 11 Student parking - College Center lot
- 12 Additional student parking available
- 13 Faculty/staff parking

Campus is handicapped accessible.



St. Clair County Community College

www.sc4.edu

323 Erie St., P.O. Box 5015, Port Huron, MI 48061-5015

(810) 989-5500

March Detroit Section Tour
Detroit Institute of Arts Exhibit
“Fakes, Forgeries and Mysteries”

Date: Saturday, March 26, 2011
Time: 11:00 AM Guided Tour of Exhibit
12:00 PM Lunch (Dutch-Treat)
Cost: \$15.00 (for non-members of the DIA)
Location: Detroit Institute of Arts
5200 Woodward Avenue
Detroit, MI 48202
RSVP Required by March 15, 2011

Fakes, Forgeries and Mysteries highlights some of the mistakes and other discoveries made through the years regarding artist attribution, authenticity and value of works in the DIA's collection. The exhibition illustrates how the DIA constantly re-assesses artworks through research, science, and technology, revealing an aspect of the museum's work rarely seen by the public.

The show includes 60 paintings, sculptures, photographs, prints, drawings and decorative arts from diverse cultures—European, African, American, Asian, Islamic and Ancient Near Eastern. This diversity of objects provides opportunities to explore issues such as who really created a particular work of art, when it was made, if it is real or fake and other research mysteries at the DIA. The exhibition begins with a focus on works for which the artist attribution has changed. These came into the collection as being by a recognized artist or culture, but were later determined to be either in the style of a major artist, an exact copy, or by an anonymous artist.

Join other area chemists and enthusiasts on this tour of the exhibit. Reservations must be made by contacting Mary Kay Heidtke at mkheidtke@aol.com by March 15, 2011. The first 20 people to RSVP will get an admission price of \$5.00. Please let us know if you are already a member of the DIA. Please note the price of admission does not include parking.

We will meet as a group by the Group Entrance off of Farnsworth Street. The tour will last approximately one hour and conclude in the CaféDIA for a group lunch. The lunch is dutch-treat and is not a required part of the tour. If you have additional questions about the tour, you may contact Mary Kay at the email address above.

Kids and Chemistry News

Gina Ludwig organized an event for intercity kids at the Detroit Holistic Development center just before the building closed for good at the end of this past summer. Gina had a great group of volunteers for a hands-on chemistry event with the children. Her volunteers included Ben Butwin, Joanna Szajnar, Donita Chertic, Ted Bierman, Amy Bondy, Brandon Trivax, Byung Joo Lee, Justin Pletzke, Vikram Shende, and Amneh Awad. The volunteers talked about their careers (both long term and college details) so the children have some direction if they decide to pursue chemistry. We appreciate all of their hard work and also appreciate the repeat attendees. The volunteers lead a group of 40 children who performed 5 activities involving acid rain and overall learned some concepts on acids and bases. They were given periodic tables, certificates, pencils and rulers for a remembrance of their exciting lesson.

SPEAKERS WANTED: Do you like to talk? Then we need to hear from you!

The Detroit Local Section of the ACS is looking to increase and update its Speakers Bureau database of interested local area speakers who are available for Section-wide seminars and symposia. If you have an area of research or interest that would provide an interesting talk appropriate for our Section members, and would like to be included in our Speakers Bureau, then please contact the Detroit Section at mkheidtke@aol.com with the following information: your name, affiliation, a title, and 5-6 words briefly summarizing your area of specialty. We look forward to hearing from you about topics that you wish to share with our other members!

New Section Website

The Detroit Section has a new website! It can be found at:
<http://detroit.sites.acs.org/>

A great thank you to Ed Havlena for his work managing the section's website until now and to Kevin Perry for setting up the new site! Please email any comments or submissions for the site to our Webmaster Gina Ludwig at:

smile11540@wowway.com

or via the Contact Us link on the Website:

<http://detroit.sites.acs.org/contactus.htm>

Salutes to Excellence – Call for Nominees!

Each year the Detroit Section of the ACS presents Salutes to Excellence Awards to its members. Currently the Executive Committee is soliciting nominations for this award. In case you are not aware of the program, Salutes to Excellence is an award program that gives ACS members an opportunity to recognize the positive impact on everyday life made by a product of chemistry, a practitioner of chemistry, or a place of importance in chemistry. Therefore, if you know of someone who deserves to be recognized for his or her hard work, please send in the nomination. The nominee can also be an institution as well. For example, ABC Chemical Company was very involved in your local school district. As a result of their commitment, your students' interest in science increased.

Since the program was first unveiled in 2000 by the ACS Office of Community Activities (OCA) more than 251 honorees nationwide have received *Salutes to Excellence* recognition.

A central part of the event is the presentation of a commemorative plaque, furnished by OCA, for the honoree(s) for the chemistry achievement being honored. Each year the award is presented at the CIC meeting in the spring. The honoree(s) and their guest(s) will be invited to the awards banquet compliments of the Detroit Section.

If you have any questions on the criteria of the award, please contact Mary Kay Heidtke, Recognition Chair for the Detroit Section. Her e-mail address is mkheidtke@aol.com. Please submit your nominee(s) name along with a short paragraph describing why they should receive the award. This information can be submitted to Mary Kay at the address above. Please be sure to include your name and contact information in the e-mail. Please submit your nominations by March 28, 2011.

**American Chemical Society – Detroit Local Section –
Younger Chemists Committee Presents:**

**Brewing
Chemistry**
Detroit, Michigan

Brewing Chemistry is a monthly lectures series. These informal talks are designed to make science fun and accessible for all. The lectures take place at 7 p.m. on the third Tuesday of every month at:

Traffic Jam & Snug, 511 West Canfield Street, Detroit, MI 48201

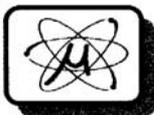
There is no admission charge, and free parking is available. Feel free to join us before the talk at 6:00 PM for a dutch-treat dinner. For more information, contact Meghann at 313.993.1259 or meghann@brewingchemistry.com

Tuesday, March 15, 2011 at 7 PM
Elemental Analysis of Kelp Dietary Supplements
Presented by:
Danielle Garshott, University of Detroit Mercy

Herbal kelp has become a popular dietary supplement. Some types of seaweed and other aquatic plants have a high affinity for heavy metal uptake and have even been used for bioremediation. Current research has shown that some kelp products have been contaminated with arsenic and other heavy metals. Herbal supplements are regulated by the Food and Drug Administration (FDA), but not as strictly as drugs or foods.

Garshott collected seventeen kelp dietary supplements, purchased from local health food or drug stores, to analyze by energy dispersive X-ray fluorescence (EDXRF) spectroscopy. The supplements were examined for the presence of arsenic, lead, and mercury. Before analysis of the sample set, a series of standards for were created, because established NIST standards for such food supplements do not appear to exist. The findings for these items will be presented along with the method for heavy metal standards production.

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Calendar of Upcoming Events

Second Tuesday of the Month: Section Executive Committee Meeting – The March 8th Executive Committee Meeting will be held at the University of Michigan Dearborn, Science Building. The meeting will start at 7:00 PM.

Third Tuesday of Every Month: Brewing Chemistry. Please see <http://brewingchemistry.com> for information on upcoming events. Please see page 6 for the March program.

March Section Meeting: Please see pages 1-2 for details.

March 26: Members and guests of the Detroit Section are invited to a tour of the DIA Fakes, Forgeries, and Mysteries Exhibition. Please see page 3 for details.

March 27-31: ACS Spring National Meeting in Anaheim, CA

June 6-10: 22nd North American Catalysis Society Meeting. Please see January Chemist for details.

June 5-9, 2012: CeRMACS (Central Region ACS 2012 Meeting) sponsored by the Detroit Section.



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