

## **ANACHEM and the Detroit Local Section present Our May Section Meeting: Tour of the Canadian Club Brand Heritage Center**

**Date:** Saturday, May 19, 2012  
**Time:** 12:00 PM – 1:00 PM Tour  
**Location:** Canadian Club Brand Heritage Center  
2072 Riverside Drive East  
Walkerville, Ontario N8Y 4S5 Canada

The tour of the Canadian Club Heritage Center offers a historical look at the popular Canadian Club brand whisky. Guided tours of the Brand Center feature turn-of-the-century Italian architecture, formal whisky information session and tasting, film of the whisky making process and a complimentary souvenir.

In 1858 Hiram Walker founded his distillery in Detroit. Walker learned how to distill cider vinegar in his grocery store in the 1830s. He then moved onto whisky and produced his first barrels in 1854. However, the prohibition movement was already taking shape at this time in the United States and Michigan was becoming "dry". Walker decided to move his distillery across the Detroit River to Windsor, Ontario. From here, he was able to export his whisky, continue to perfect the distillation process and start to develop Walkerville.

Walker's whisky was particularly popular in the late 19th century gentlemen's clubs of the U.S. and Canada; hence it became known as "Club Whisky". Walker originally positioned his Club Whisky as premium liquor, pitching it not only on its smoothness and purity but also the length of the aging process (Walker's whisky was aged in oak barrels for a minimum of five years). This was revolutionary at the time, as all of the U.S. bourbons and whiskies were aged for less than a year.

We hope that you can join us on this informative tour. The cost of the tour is \$5.00 CDN per person. The address of Canadian Club Brand Heritage Center is 2072 Riverside Drive East, Walkerville, Ontario. The phone number for the center is 519-973-9503. A Dutch-treat lunch will take place following the tour in Little Italy. Please contact Mary Kay Heidtke at [mkheidtke@aol.com](mailto:mkheidtke@aol.com) to RSVP for the tour by Thursday, May 17<sup>th</sup>.

## SECTION ANNUAL MEETING

The Detroit Local Section Bylaws call for an Annual General Membership Meeting. The 2012 Annual Meeting will be held on Tuesday, May 8th starting at 7:00 pm. The meeting will be held at Lawrence Technological University in room S108 of the Science Building (*see page 14 for map and directions*). All section members are invited to attend and to present business items before the Executive Committee. As usual the regular May Executive Committee Meeting will immediately follow the Annual Meeting. Non-Executive Committee Section members are welcome to stay for the regular meeting. A quorum of 15 members is necessary to conduct business at the Annual Meeting. For more information, email the Section Chair, Mary Kay Heidtke at:

**mkheidtke@aol.com.**

---

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



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](mailto:meghann@brewingchemistry.com)

**Tuesday, May 15th, 2012 at 7 PM**

**Alchemical Origins of Chemistry**

**Presented by: Dr. Jeff Boats, Professor of Mathematics &  
Chair of Mathematics and Computer Science, University of  
Detroit Mercy**

**ANACHEM FELLOW AWARD  
HONORING  
KATHERINE LANIGAN**



Wednesday, May 16, 2012  
O'MARA'S RESTAURANT  
2555 W. 12 MILE RD., BERKLEY, MI

SOCIAL HOUR 5:30 – 6:30 PM (Cash Bar)  
DINNER 6:30 PM  
\$23.00 PER PERSON, CASH OR CHECK MADE TO  
ANACHEM

Dinner features your entree choice of Dublin Broil, Chicken O'Mara, or Lake Superior Whitefish (choose when you arrive). Dinner includes a Bread Basket, Soup or Salad, a Starch, Vegetables and Desert. (Vegetarian entree can be requested when you make your reservation.)

Please make your reservation by leaving a message at 586-986-0827 or via e-mail to [Keith.L.Olson@gm.com](mailto:Keith.L.Olson@gm.com). Reservations should be made by May 11, 2012. A map and directions to O'Mara's Restaurant are available at [www.omaras.net](http://www.omaras.net).

The Association of Analytical Chemists is privileged to present the ANACHEM Fellow Award to Dr. Katherine Lanigan for her exceptional service. Professor Lanigan has been a member of the ANACHEM Board of Directors for several years and currently serves as the board's recording secretary. She has contributed in many ways to the fall ANACHEM / SAS Symposium including Program Chair and the production and publication of the symposium program. In addition, she has arranged and hosted numerous monthly meetings and board meetings at the University of Detroit Mercy. We hope that you will join us for an enjoyable evening as we thank Kate by presenting her with the ANACHEM Fellow Award.

# 2012 U.S. National Chemistry Olympiad Detroit Local Section Competition

On Thursday, March 22, 230 students representing 31 area high schools and one home school converged on the University of Michigan-Dearborn campus for the Local Section exam for the US National Chemistry Olympiad. The two-hour exam is the first step in the process of selecting the four-person team to represent the United States in the International Chemistry Olympiad. This year's IChO will be held at the University of Maryland. While the students were completing the exam, their teachers attended a meeting sponsored by SEMCTO and the Section's Education Committee.

The top eleven students on the local section exam were selected as Nominees of the Detroit Section; the next ten students were named as Runners-up. Sidharth Chand achieved the highest score on the Local Section exam by answering 69 out of 70 questions correctly. The complete list of Nominees and Runners-up appears below. Through the generosity of the General Motors Corporation the Nominees and Runners-up received cash prizes of \$150 and \$50 respectively in recognition of their accomplishments. Each Nominee and Runner-up also received a copy of the Merck Index. Novi High School, with eight of the top twenty students on the Local Section exam, was recognized with the Olympiad Achievement Award for the eighth consecutive year. The chemistry teacher at Novi High is Rand Helmkamp.

The Nominees returned to UM-Dearborn on April 19 to sit for the National Exam. The grueling National Exam, taken by some nine hundred students nationwide, includes a multiple-choice portion, free response questions, and two laboratory problems. From the nine hundred test-takers nationwide twenty will be chosen to attend the Olympiad Study Camp in Colorado Springs. Results from the National Exam were not known at press time. At the completion of the National Exam the Nominees, their teachers and families were guests of the Detroit Section at the annual awards dinner. Following a keynote address by Dr. James Hamby, Vice President for Business Development, Ash Stevens, Inc., the Nominees received plaques and their cash awards.

Dr. Mark DeCamp, Detroit Section Olympiad Coordinator, organizes the Chemistry Olympiad program locally with the assistance of the Section's Education Committee. Special thanks are due to Peg Convery (Farmington High School) and Mary McMaster (Allen Park High School) for organizing the training sessions, and to the General Motors Corporation for generous financial support.

*(Continued on page 5)*

(Continued from page 4)

## NOMINEES

### Name / Hometown / High School / Teacher

Matthew Bagazinski # / Livonia / Franklin High School / Mary Beth Klawender  
Philip Bonneville # / Metamora / Lightkeepers Homeschool /  
Eric Burbulla / Rochester Hills / The Roeper School / Jamie Benigna  
Sidharth Chand # / Bloomfield Hills / Detroit Country Day / Julia Winter  
Sidu Jena / Bloomfield Hills / International Academy / Megan Phillips  
Sophia Lai / Troy / Troy High School / William Hevel  
Vikram Prasad / Troy / Athens High School / Jane Marie Moss  
Raj Raina / Novi / Novi High School / Rand Helmkamp  
Debra Van Egeren ## / Troy / Detroit Country Day / Julia Winter  
Edgar Wang # / Troy / Troy High School / William Hevel  
Mark Xu / Novi / Novi High School / Rand Helmkamp

## RUNNERS-UP

### Name / Hometown / High School / Teacher

Alex Brusher / Novi / Novi High School / Rand Helmkamp  
Ena Hariyoshi ± / Novi / Novi High School / Rand Helmkamp  
Nishant Kakar / ± / Novi / Novi High School / Rand Helmkamp  
Tim MacPherson / Novi / Novi High School / Rand Helmkamp  
Riku Momoi / Northville / Northville High School / Thomas Silak  
Akhil Nistala ± / Novi / Novi High School / Rand Helmkamp  
Benjamin Rathi ± / Novi / Novi High School / Rand Helmkamp  
Anthony Trieu / Rochester Hills / International Academy / Megan Phillips  
Belino Xhafa / Troy / Troy High School / William Hevel  
Aaron Zeng / Novi / Detroit Country Day / Julia Winter

## Nominee 2010 and 2011

# Nominee 2011

± Runner-up 2011

National Rule #4: No more than two students per teacher or per high school may be nominated to take the National Exam.

*For a list of the participating schools please see page 6.*

<u>Index of Advertisers</u>	<u>Page</u>
Detroit Section, ACS	15
Dobrusin Thennisch	15
Micron, Inc.	15
NuMega Resonance Labs	15

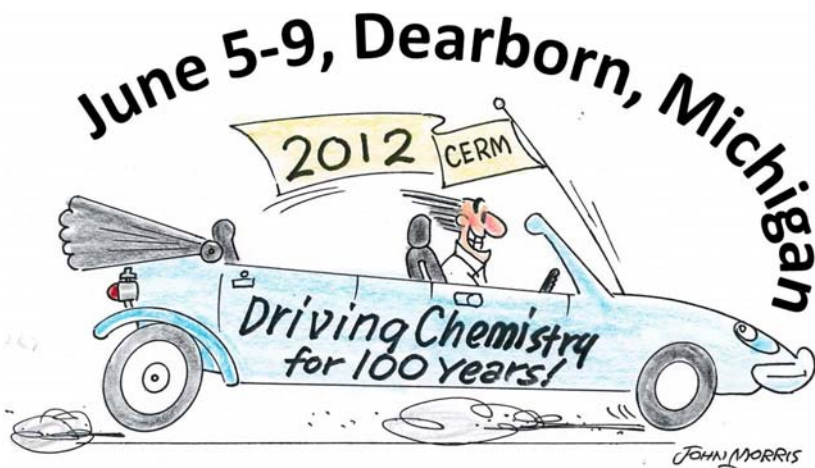


## Schools Participating in the Chemistry Olympiad

Adams High School (Rochester)	International Academy-C
Anchor Bay High School	International Academy-E
Andover High School	Lahser High School
Athens High School (Troy)	Lightkeepers Homeschool
Brighton High School	Northville High School
Canton High School	Novi High School
Cass Technical High School	Oxford Community Schools
Chippewa Valley High School	Rochester High School
Clarkston High School	Summit Academy North High School
Detroit Country Day School	The Roper School
Divine Child High School	Thurston High School
Farmington High School	Trenton High School
Franklin High School (Livonia)	Troy High School
Grand Blanc High School	Univ. of Detroit Jesuit High School
Grosse Pointe North High School	Walled Lake Central High School
Groves High School (Birmingham)	Wayne Memorial High School

## Join the Detroit Section for CERM 2012

*For more information see page 12.*



# **SUMMARY OF GOVERNANCE ACTIONS/REPORTS**

## **AMERICAN CHEMICAL SOCIETY 243<sup>rd</sup> ACS NATIONAL MEETING SAN DIEGO, CA MARCH 25-29, 2012**

The following is a summary report of key actions of the ACS Council and Board of Directors at the 2012 spring national meeting.

### **ACTIONS OF THE COUNCIL**

#### **Election Results**

The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2013: Thomas J. Barton, Luis A. Echegoyen, William A. Lester, Jr., and Barry M. Trost. By electronic ballot, the Council selected Thomas J. Barton and Luis A. Echegoyen as candidates for 2013 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

#### **Candidates for Directors-at-Large**

The Committee on Nominations and Elections announced the selection of the following candidates for Directors-at-Large for a 2013-2015 term: Carol A. Duane, Valerie J. Kuck, Helen (Bonnie) A. Lawlor, and Ingrid Montes. The election of two Directors-at-Large will be conducted in the fall. Ballots will be mailed to the Council on or before October 10.

#### **Committee Review**

·As part of a regular performance review, the Council VOTED to continue the Committee on Project SEED. The Committee on Project SEED sets policy for all Project SEED programs, including review of Project SEED I and II program applications for student research projects, funding decisions, and Project SEED college scholarship applications.

#### **The Society's Finances**

·Despite the sluggish economy, ACS generated strong operating results in 2011. Total revenue was \$472.0 million, up +1.8% over 2010. The Net from Operations was \$20.9 million, or \$7.7 million favorable to budget. This result was attributable to better-than-expected performance by the ACS Publications Division and careful expense management across the Society. While operating results were favorable, Unrestricted Net Assets declined from \$130.5 million to \$102 million. The decline was primarily due to a sizable accounting charge related to the Society's closed postretirement benefit plans. ACS ended the year in compliance with four of the five Board-established financial guidelines.

*(Continued on page 8)*

*(Continued from page 7)*

### **2013 Member Dues**

·The Council VOTED to set the member dues for 2013 at the fully escalated rate of \$151. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

### **Petitions to Amend the Constitution and Bylaws**

#### **(For Action)**

·The Council took action on two amendments (petitions) to the ACS Constitution and Bylaws: The Petition to Amend Recorded Vote Request Procedure and the Petition on Market Data Collection. The Council VOTED overwhelmingly to approve both petitions. The Petition to Amend Recorded Vote Request Procedure provides that a call for a recorded vote after a clicker vote has commenced will be out of order, as would a call for a recorded vote after the initial clicker voting has taken place. The Petition on Market Data Collection seeks to add a provision to allow for controlled market testing to collect data before the Society changes benefits, dues, or membership categories. The Board of Directors will vote within 90 days on whether to ratify the approved petitions.

#### **(For Consideration)**

·The Council received two petitions for consideration: The Petition on Candidate Comment in C&EN and the Petition on International Chemical Sciences Chapters Funds. The Petition on Candidate Comment in C&EN seeks to restrict candidates for election to the Board of Directors from publishing comments in C&EN for a six-month period prior to the mailing of the election ballot. The Petition on International Chemical Sciences Chapters Funds seeks to clarify that the Board of Directors may allocate funds to international chapters for specific purposes. The Council is expected to act on these two petitions at the fall Council meeting.

### **Member Statistics**

·Membership recruitment and retention efforts were very successful last year. The Society ended 2011 with 164,215 members – the highest number in Society history. 24,249 new members were elected into the Society – 16,092 Regular Members and 8,157 Undergraduate Members.

### **Attendance Report**

·As of March 28, 2012, the ACS spring national meeting had attracted 16,921 registrants including 8,974 regular attendees and 5,742 students.

### **Chemical Professional's Code of Conduct**

·The Council VOTED to approve the Chemical Professional's Code of Conduct as submitted by the Committee on Economic and Professional Affairs. This document offers guidance for Society members in various professional dealings, especially those involving conflicts of interest.

### **Special Discussion Item**

*(Continued on page 9)*



*(Continued from page 8)*

A special discussion item was put on the Council agenda for this meeting. ACS President Bassam Shakhshiri presented and moderated a discussion on “What is your reaction to the proposed topics for the ACS Climate Science Toolkit?” President Shakhshiri’s working group on ACS Climate Science has developed a preliminary web-based toolkit that ACS members can use as a resource for understanding and communicating basic climate science. Following the presentation, Councilors engaged in a robust discussion on the proposed toolkit, and offered numerous suggestions for consideration.

## **ACTIONS OF THE BOARD OF DIRECTORS**

At this meeting, the ACS Board of Directors considered a number of key strategic issues and responded with several actions.

### **The Board’s Committees**

The Committee on Grants and Awards presented the Board with a screened list of nominees for the 2013 Priestley Medal, Charles Lathrop Parsons Award, and the Award for Volunteer Service to the ACS. The Board VOTED to approve the screened lists, and will now vote on, and announce, the winners of these three awards after its June meeting. The Board also VOTED to approve a Society nominee for the National Medal of Science.

On the recommendation of the Committee on Executive Compensation, the Board VOTED to approve several actions relative to compensation for the Society’s executive staff. The compensation of the Society’s executive staff receives regular review from the Board of Directors.

### **The Executive Director/CEO Report**

The Executive Director/CEO and several of her direct reports updated the Board on the activities of CAS (Chemical Abstracts Service), the ACS Publications Division, and the Society’s General Counsel.

### **ACS vs. Leadscope Litigation**

The General Counsel report included a briefing on the ACS vs. Leadscope litigation.

As previously reported, ACS has appealed to the Ohio Supreme Court, and the Court agreed to hear the case. Briefs have been filed in support of our position by several prestigious organizations, including the Ohio Attorney General, the Ohio Chamber of Commerce, the Ohio Manufacturers’ Association and the Ohio State Bar Association. On September 7, the Supreme Court heard oral arguments in the case, and a link to the arguments can be found on [acs.org](http://acs.org). A ruling has not been issued but could come at any time. A more detailed report appears in the most recent edition of the Councilor Bulletin. Please contact the Office of the Secretary if you would like a copy.

### **Other Society Business**

The Board received the following:

- a briefing on current virtual and hybrid meeting strategies using the Vir-

*(Continued on page 10)*

(Continued from page 9)

tual Career Fair and Virtual Exposition;

- a report from the Committee on Professional Training-Committee on Education (CPT-SOCED) Task Force on the American Association of Medical Colleges and the Howard Hughes Medical Institute report *Scientific Foundations for Future Physicians* – wherein the CPT-SOCED task force is considering the implications of chemistry-related recommendations contained in the report;
- a report from the President-Elect on plans and priorities during her presidential year; and a *discussion* on presidential succession budgets - particularly in light of increasing international and domestic travel demands.

The Board approved:

- the 2015 Pacifichem budget and authorized reimbursement, on a pro rata basis, to the participating ACS Divisions for expenditures in support of the Pacifichem program and activities;
- changes to Board Regulations regarding the composition of the Planning Committee and the appointment of canvassing and award committees;
- a proposal to administer and present the AkzoNobel North American Science Award as recommended by the Committee on Grants and Awards; and
- proclamations recognizing the 100<sup>th</sup> Anniversary of the South African Chemical Institute and the 80<sup>th</sup> anniversary of the Chinese Chemical Society.

### **The Society's International Activities and its Open Session**

The Board welcomed and received reports from several international guests representing the following scientific societies: the Canadian Society for Chemistry, the German Chemical Society, the Hungarian Chemical Society, the International Union of Pure and Applied Chemistry, the Mexican Chemical Society, and the Royal Society of Chemistry.

The Board held a lively, well-attended open session which featured a special forum on “The Future of Graduate Education and Research in the Chemical Sciences.” Members attending this standing-room only session received an overview and update from the chair and executive director of the ACS Presidential Commission on Graduate Education in the Chemical Sciences. The commission is addressing two major questions: “What are the purposes of graduate education in the chemical sciences?” and “What steps should be taken to ensure that important societal issues, as well as the needs and aspirations of students, are addressed in graduate school?” Members discussed how the Society might offer greater assistance on this very important and timely topic.

*Respectfully submitted by Councilors Mark Benvenuto, James Landis and Walter Siegl*

## ACS Webinars™

**CLICK \* WATCH \* LEARN \* DISCUSS**

**Learn more and register at [www.acswebinars.org](http://www.acswebinars.org)**

### **Fireside Chat with Entrepreneurs – The Challenges of Scaling a Global Biomaterials Supply Chain**

Thursday, May 3, 2012 @ 2pm-3pm EST

The market and need for biobased materials for everything from chemical feedstock to full composite reinforcement material is growing every day! How is this supply chain defined? What are the forces governing it? And what are the challenges facing those technologies that need to scale using biobased materials? *Speakers:* Sharon Feng, Bayer Material Science and Blake Mosher, Natural Composites, Inc.

### **Building an Innovative Research Culture: A Case Study of DNA Sequencing**

Thursday, May 10, 2012 @ 2pm-3pm EST

Building an innovative research culture is a big challenge for any R&D organization. Entire volumes on innovative models, practices and cultures have been published. But do they work in practice? George Trainor will give us his first-hand account of how an innovative culture led to the discovery of one of the most valuable synthetic organic compounds ever –fluorescence-tagged chain terminators for use in automated DNA sequencing. Glean insights to foster an innovative culture in your own research and laboratory. No experience or magic required! *Speaker:* George Trainor, 2011 Awardee, ACS Heroes of Chemistry

### **From Cocoa Buds to Taste buds – The Chocolate Process and Sensory Experience**

Thursday, May 17, 2012 @ 2pm-3pm EST

Chocolate began some 2,000 years ago. It's been the gift of gods and the gift of love. It is a cherished comfort food, an aphrodisiac, appetite suppressor, and even a health remedy. So what is the attraction? *Speaker:* Greg Ziegler

### **Creating Successful Research Proposals: Tips from the Trenches**

Thursday, May 24, 2012 @ 2pm-3pm EST

Second to research, writing proposals is the scientists' life's blood. Yet, many scientists are not trained in the art of grant writing and what various agencies and programs look for. It is time to improve your odds – you too can create standout proposals, communicate your ideas more clearly and effectively and win that major grant! *Speaker:* Celia Elliott, University of Illinois at Urbana

### **Champaign Pigments, Dyes and Chemical Fingerprints in Art Conservation**

Thursday, May 31, 2012 @ 2pm-3pm EST

Is that painting in your attic an original Old Masters print? Is your grand-

*(Continued on page 12)*

*(Continued from page 11)*

mother's stained glass really 800 years old (Hint: metal nanoparticles)? Using modern instruments, a conservation scientist can identify the chemical makeup of pigment from just a single microscopic particle of the colorant. While chemistry cannot appraise the value of your art, it can help confirm if the item you have is historic (or a fake). Kristin Wustholz of the College of William and Mary will share analytical methods that are applied to art conservation. Do you have a piece for the Antiques Roadshow? Speaker: Kristin Wustholz, College of William and Mary

#### The Fine Print

ACS Webinars™ does not endorse any products or services. The views expressed in this presentation are those of the presenters and do not necessarily reflect the views or policies of the American Chemical Society.

---

## CERM 2012

The 43<sup>rd</sup> Central Regional Meeting of the American Chemical Society will be held at the Henry Hotel (formerly the Ritz Carleton) in Dearborn, Michigan on June 5-8, 2012.

**Key Date May 22**

**Advance registration closes**

#### *Technical Program Highlights*

- Symposia and Workshops devoted to all the branches of chemistry
- Undergraduate Research Symposia
- Exposition showcasing products and materials from a wide range of vendors
- Technical and Career Development Workshops

#### *Selection of Planned Special Events*

- Plenary lectures by Alan Taub, GM, and Dr. Volker Saedler, BASF.
- "100 Years of Chemistry in Detroit" Dinner.
- Awards ceremony for the outstanding recipients of the following awards:

Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

ACS Division of Chemical Education Central Region Award for Excellence in High School Teaching

E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society

Please visit the website for contact information, useful web links, as well as up-to-date details on these events and others as they become available.

Make Plans to join us in Detroit for what we hope is a fantastic meeting!

**ROUGE RIVER WATER FESTIVAL**  
**UNIVERSITY OF MICHIGAN-DEARBORN**  
**THURSDAY, MAY 3, 2012**

The 14<sup>th</sup> Annual Water Festival will be on Thursday, May 3, 2012. Kids & Chemistry has participated from the beginning. The program is for 5<sup>th</sup> grade students and they usually have over 2000 on campus for the event. We will have ca. 200-225 students for our event. They rotate through the labs by individual classes ranging from 20-30 students at a time.

We plan to again do our program on Acid Rain and its effect on the environment and aquatic life. We introduce the students to the concept of acid rain and how to measure acids and bases. Each student then assays 9 samples using a universal indicator to determine the pH of the sample. They record their results and then indicate the effect on aquatic life. It is a lot to do in 25 minutes but with enough volunteers it works. The students and teachers love it.

We need a minimum of 12 volunteers to operate the two labs but more volunteers are better as some students need more assistance than others. The program runs from 9:00AM to 2:30PM. You are provided a "T" shirt; lunch and water plus early arrivals can have coffee, juice and goodies.

For each volunteer I need the following information as soon as possible.

Name; phone number and email address

"T" shirt size

Lunch choice Veggie, Ham, Turkey or Italian

I will be sending you additional information by email when we have our specific schedule.

Please respond to Walter Siegl or Felix Schneider if you can help.

Felix's email [felixschn@wowway.com](mailto:felixschn@wowway.com) or voice mail 248-583-1578

Walter's email [wsiegl@yahoo.com](mailto:wsiegl@yahoo.com)

# Map and Directions to Annual Section Meeting

## Lawrence Technological University By Car

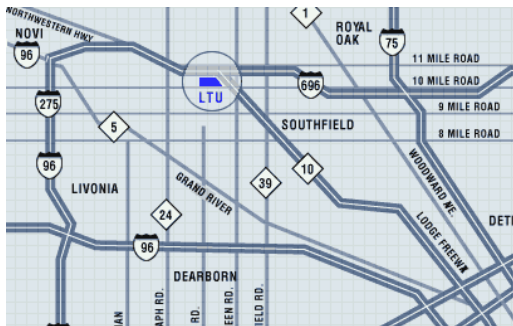
**From the Southwest and Detroit Metro Airport:** Follow I-94 East to the northbound Southfield Freeway (M-39). Exit onto northbound M-10 (Northwestern Highway/Lodge Freeway). Proceed north and exit at Ten Mile Road/Evergreen Road. Take the Northwestern Highway Service Drive to Ten Mile Road. Turn left onto Ten Mile Road. The campus entrance is on the right.

**From the West and Ann Arbor (via I-94 and M-14):** Follow I-94 East to eastbound M-14. Continue on M-14 to northbound I-275. Take I-275 North to I-696 East. Proceed east on I-696 to southbound M-10 (Northwestern Highway/Lodge Freeway). Exit at Ten Mile Road/Evergreen Road. Turn right onto Ten Mile Road. The campus entrance is on the right.

**From the Northwest and Lansing (via I-96 and I-696):** Follow I-96 East to I-696. Proceed east on I-696 to southbound M-10 (Northwestern Highway/Lodge Freeway). Exit at Ten Mile Road/Evergreen Road. Turn right onto Ten Mile Road. The campus entrance is on the right.

**From the North (via I-75):** Follow I-75 South to I-696 West. Proceed west on I-696. Exit at Evergreen Road. Turn left onto Evergreen Road and proceed south one mile to Ten Mile Rd. Turn right onto Ten Mile Road. The campus entrance is on the right.

**From the East (via I-696):** Follow I-696 West. Exit at Evergreen Road. Turn left onto Evergreen Road and proceed south one mile to Ten Mile Road. Turn right onto Ten Mile Road. The campus entrance is on the right.



LAWRENCE  
TECHNOLOGICAL  
UNIVERSITY

### Building Key

1. Corporate Services Center
2. Don Ridler House; Applied Research Center
3. University Housing Center - North
4. Wayne H. Buell Management Building  
College of Management  
Library  
Dining Facilities
5. A. Alfred Taubman Student Services Center
6. Science Building  
College of Arts and Sciences
7. Architecture Building  
College of Architecture and Design
8. University Technology and Learning Center
9. Engineering Building  
College of Engineering
10. Center for Innovative Materials Research (CIMR)
11. Professional Development Center
12. Maintenance Building
13. University Housing Center - South
14. Outdoor Athletic Fields

# Business Directory



## Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION  
MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA • EPA/WDXA • XRD XRF • ESCA • AUGER • FTIR • DSC/TGA

Registered with FDA • DEA GMP/GLP Compliant

3815 Lancaster Pike Wilmington DE. 19805  
E-Mail [micronanalytical@compuserve.com](mailto:micronanalytical@compuserve.com)

Voice 302-998-1184, Fax 302-998-1836  
Web Page: [www.micronanalytical.com](http://www.micronanalytical.com)

## NMR Service 500MHz

\***Mass**

\***Elemental Analysis**

### NuMega Resonance Labs

[numegalabs.com](http://numegalabs.com) P- 858-793-6057

## Dobrusin Thennisch™

Strategic Intellectual Property Law  
ACCELERATING BUSINESS VALUE

Our experienced attorneys facilitate a sustainable competitive advantage for market and technology leaders around the world.

29 W. Lawrence Street  
Pontiac, Michigan  
(248) 292-2920 | [www.patentco.com](http://www.patentco.com)

## WANT MORE ARTICLES

When you tell our advertisers that you saw their ads here they have more confidence in our newsletter's viability as an advertising medium. They advertise more. This supports our many activities.

## PROMOTE YOUR PRODUCTS AND SERVICES • ADVERTISE IN THE DETROIT CHEMIST

*The Detroit Chemist* readership is greater Detroit's largest source for chemical and biochemical buyers. *The Detroit Chemist* reaches more than 1,600 readers each month. It has been estimated that these buyers annually purchase more than \$80,000,000 of:

- EQUIPMENT
- SUPPLIES
- CONSULTING SERVICES

Placing an advertisement in *The Detroit Chemist* is the lowest cost method of reaching this select audience.

For further information and other options for promoting your company's products and services visit:  
[www.mboservices.net](http://www.mboservices.net)

## Calendar of Upcoming Events

**Second Tuesday of the Month:** Section Executive Committee Meeting – The May Executive Committee Meeting will be held at the Lawrence Technological university, Science Building. The meeting will start at 7:00 PM .

**Third Tuesday of Every Month:** Brewing Chemistry. Please see <http://brewingchemistry.com> and page 2 for information on May's event.

**May 1:** University of Michigan Chemical Engineering Graduate Symposium, please see March Chemist page 3 for details.

**May 3:** Rouge Water Festival, see page 13 for details.

**May 8:** Section Annual Meeting, see pages 2 and 14 for details.

**May 16:** ANACHEM Fellows Award Ceremony, see page 3 for details.

**May 19:** Section Meeting: Tour of the Canadian Club Brand Heritage Center, see page 1 for details To Be Announced (TBA)

**June 5-9:** CeRM (Central Region ACS 2012 Meeting) sponsored by the Detroit Section. Please see pages 6 and 12 for details.

**October Tri-Sectional Meeting,** please see page 9 of February Chemist for preliminary details

**November 1:** ANACHEM Symposium, details TBA

**November 10:** Annual Chemistry Day

**November Section Meeting,** details TBA

<u>Table of Contents</u>	<u>Page</u>
May Section Meeting	1
Section Annual Meeting	2 & 14
May Brewing Chemistry	2
ANACHEM Fellows Ceremony	3
Chemistry Olympiad	4-6
Index of Advertisers	5
CERM: 100 Years of Chemistry in Detroit	6 & 12
Councilors' Report on Spring ACS Meeting	7-10
May ACS Webinars	11-12
Rouge Water festival	13
Business Directory	15

Non-Profit Org.  
U.S. Postage  
**PAID**  
Royal Oak, MI  
Permit No. 27

Detroit Section ACS  
1560 Beaver St.  
Dearborn, MI 48128-1475

**Attn: Dated Material**