

**Huron Valley and Detroit Local Sections
September Section Meeting
Joe Vinson, PhD speaks on**

***“Chemistry and Biochemistry of
Chocolate: A Guilt-Free Food?”***

Date: Thursday, September 29, 2011
Time: 6:00 PM Presentation
**Location: Eastern Michigan University
Halle Library Room 300**

Dr. Joe Vinson attended college at the University of California at Berkley, where he received his B.S. in chemistry in 1963. He received a M.S. degree (in physical organic chemistry) at Iowa State University in 1966. He received a research assistantship at the Ames Lab of the Atomic Energy Commission at Iowa State and received a Ph.D. in organic and analytical chemistry in 1967 under the direction of Dr. James Fritz. He is now a professor of chemistry at the University of Scranton in Northeastern Pennsylvania. His research has been featured in Prevention, Psychology Today, Consumer Reports, AARP, Tufts Health & Nutrition Newsletter, US News & World Report and lampooned in a cartoon in Time magazine. He has appeared on TV-Good Morning America Sunday and radio-NPR All Things Considered and The Peoples' Pharmacy, as well as being mentioned by Jay Leno and Rush Limbaugh. Dr. Vinson is the author of over 70 publications. His research interests are wide-ranging and include drug analysis in

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physiological fluids and the effect of vitamins, minerals, and antioxidants on nutrition and health.

The talk will focus on food and beverages derived from cocoa beans, which have been consumed by humans for 1500 years. The beverage was originally used as currency and in religious rites by the Mayans and Aztecs. A short history of chocolate will give some perspective to the science of chocolate. Dried and roasted beans contain about 300 chemicals including unique fats, alkaloids, and simple and complex polyphenols. The manufacturing process results in the production of the various types of chocolate including white chocolate, milk chocolate, dark chocolate, and cocoa powder. Chocolate is purported to have aphrodisiac properties and one ingredient acts on the cannabinoid (marijuana) receptor. Chocolate's antioxidant properties will be outlined and compared with other foods. How chocolate's fat and antioxidants are related to heart disease will be discussed in terms of epidemiological, animal, human supplementation, and mechanistic studies. Recent animal and human studies will be described to determine whether chocolate should be considered a guilt-free food.

The address of Halle Library is 955 W. Circle Drive, Ypsilanti, MI 48197. Attendees can get to the library off the I-94 expressway at Huron Street. Closest visitor parking is in the Oakwood Guest Lot located in the front of the Parking Structure or the McKenny Guest Lot.

ANACHEM/SAS MEETING

THURSDAY, OCTOBER 6, 2011

“Electrochemistry: Revealing the potential of dopamine dynamics in the brain”

Tiffany Mathews, Assistant Professor, Department of Chemistry.
Wayne State Univ.

Location. Univ. of Detroit Mercy, Engineering Building Room 320

Volunteers Needed for Chemistry Day

What: Chemistry Day
When: Saturday, November 12, 2011
Where: First United Methodist Church of Troy
6363 Livernois Avenue, Troy, Michigan
Time: 8:00 AM – 1:30 PM

The Detroit Section of the American Chemical Society's Minority Affairs Committee is partnering with the Girl Scouts of Southeastern Michigan for Chemistry Day. The Girl Scouts will be participating in an arts and science activity while learning about the fun of chemistry. They will learn about chemistry by doing hands-on experiments and participating in a career game contest with prizes. Through these activities, the Scouts will each earn a National Chemistry Week patch. This will be a large program both in terms of Girl Scouts (200 expected) and in terms of volunteers participating (25+).

The chemistry aspect of the day includes hands-on experiments. We will have 7 experiments set up on tables. They will include polymer cross-linking (making Gloop), Slime!, and dry ice experiment. Our audience will consist of the Junior Girl Scouts.

Megan Klein and Denise Grimsley, will take responsibility for preparing the supplies and setting up the experiments. The art and chemistry project will be coordinated by Liz Roberts-Kirchhoff. The career game will be developed and organized by Meghann Murray. Mary Kay Heidtke will serve as the overall coordinator for the event. We will need ~20 - 25 additional volunteers to participate in demonstrating the experiments and overseeing the community service project. Our participation is scheduled for Saturday, November 12th from 8:00 AM to 1:30 PM. We would especially welcome women and minority chemists who could help serve as role models for the girls. Your help will be greatly appreciated!

If you are interested in joining some of your fellow chemical professionals in a fun morning of community service, please contact Mary Kay Heidtke at mkheidtke@aol.com or 313-843-7855. A continental breakfast and lunch (pizza) will be provided.

**ACS OCTOBER MEETING
PORT HURON, MI
Wednesday, October 12, 2011**

“The Evolution of FDA’s Drug Approval Process &
What are the issues with Import Drugs?”

L. Felix Schneider retired USFDA Laboratory Director.

Please see October Chemist for more details.

**ANACHEM/SAS SYMPOSIUM
THURSDAY, NOVEMBER 3, 2011
BURTON MANOR, LIVONIA, MI**

The program will include sessions on:

Advances in Academic Research
Mass Spectrometry

Two workshops on LS/MS and HPLC

General Poster Session to follow oral presentations in the afternoon.

Anachem Award Session in honor of Marc Porter, Dept of Chemistry, Nanoinstitute of Utah.

Marc Porter Plenary Speaker presenting

“Nanoscience Strategies for the Design and Ultra Sensitive Read-out of Dense Immunodiagnostic Platforms”

Registration will be the same as 2010, \$60 regular and \$25 for students and retirees. Registration will again be available on the Anachem web site and includes the cost of both workshops.

Please see October Chemist for more details.

Volunteers Recognized at Annual Awards Meeting

Every year the Detroit Local Section of the American Chemical Society honors members that have gone above and beyond the call of duty. These volunteers have taken time and energy out of their busy schedules to provide assistance and resources to the Section in various roles. Please join us in congratulating the following honorees at the Annual Awards Meeting at the University of Windsor in Windsor, Ontario.

Salutes to Excellence is an award program that gives ACS members an opportunity to conduct an event within their communities that recognizes the positive impact on everyday life made by a product of chemistry, a practitioner of chemistry, or a place of importance in chemistry. A central part of the event is the presentation of a commemorative plaque, furnished by Office of Community Activities, for the honorees for the chemistry achievement being honored.

Salutes to Excellence Recipients 2011 –
Victoria Hornik-Rosinski, Cabrini High School
Felix Schneider, FDA (retired)

The Distinguished Service Award was established in 1978 to honor members for long and meritorious service to the Section. Candidates for the award are nominated at a regular Executive Board meeting and elected Board members determine the recipient. The recipient will receive a plaque from the Section.
Distinguished Service Award Recipient 2011 –
Meghann Murray, University of Detroit - Mercy

Past Chair Award –
Tony Sky, Lawrence Technological University



Changes in Election Procedures are Coming

Detroit Section member should expect to see forthcoming changes in the way that the annual election of officers and councilors is conducted. Changes to the (national) ACS Constitution and Bylaws made in 2004 enabled national ACS elections to use electronic balloting, via the internet, as well as by using traditional paper ballots. In 2010, revisions to the Detroit Section bylaws paved the way for local section elections to be carried out electronically.

The advantages for moving elections to an electronic format are two-fold. First, the cost of paper ballots (sent by first class mail) has always been a significant item in the annual Section budget. Second, voter response has been declining (less than 10% in recent years) and several ACS local sections and divisions have seen an increase in voter response when switching to e-balloting.

The Section has a committee (Mary Kay Heidtke, Jim Landis, and Walter Siegl) working on selecting an e-ballot method that is expected to be introduced for the fall elections. ACS bylaws require that balloting procedures be “(1) fair and open to eligible members, (2) anonymous, (3) protected against fraudulent balloting, (4) achievable and (5) reported in a timely way.” Every balloting system employed by local sections and divisions, whether paper, electronic, or hybrid paper/electronic, must meet these requirements.

All ACS elections for national office, including those for Division and Local Section councilors, must be conducted both anonymously and confidentially and balloting procedures must ensure that eligible members vote only once. We are currently examining the experiences of other ACS local sections and divisions with various e-balloting systems. You can expect to read more about the selection and implementation of a new voting system in future issues of this newsletter.

If you have any questions or comments, please contact Walter Siegl at

ACS Webinars™
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Featured Events -- September 2011

Thursday, September 15, 2011 | 2pm -- 3pm EST

Writing a Winning Business Plan and Executive Summary

If you're going to start a business, you need a business plan. Did you know that your business plan is as much for you as it is for your investors? Examining your strategy, defining your market, identifying your business goals, and forecasting your financial needs, will give you a strong start and convince investors that you are serious. Let Dan Daly guide you through writing an effective business plan that captures your vision and create a captivating executive summary that sells your plan.

Dr. Dan Daly, Alabama Innovation and Mentoring of Entrepreneurs Center

Thursday September 22, 2011 | 2pm--3pm EST

Filling in the Gaps of Employer--Sponsored Coverage

Company--paid life insurance can be a benefit. But even the most liberal policies include limitations, exclusions and reductions. How do you close those gaps and protect your family against life's unforeseen events? Private insurance can provide additional income for your family so you know that they'll be safe financially.

Richard Howe, Commonwealth Advantage, LLC and Joan Van Gelderen, Pearl Insurance

Thursday, September 29, 2011 | 2pm--3pm EST

Role of Chemistry in Clinical Pharmacology--Toxicology

Cynthia Morris--Kukoski, Federal Bureau of Investigations

Get the latest update at www.acswebinars.org

**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

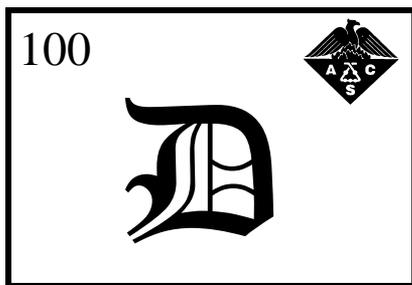
**Tuesday, September 20th, 2011 at 7 pm
Emergency Management**

Presented by:

Kenneth Bresnan,

Area Emergency Manager at Department of Veterans Affairs

Kenneth Bresnan will describe his role in the National Disaster Medical System and how the federal government would respond to overwhelming medical casualties for various scenarios, what this would mean for Michigan, and who would be a receiver state for such a catastrophe. Kenneth Bresnan received his Bachelor of Engineering Science degree from Hofstra University. Mr. Bresnan has deployed as part of the national emergency medical response for the following hurricanes: Dennis, Katrina, Rita and Wilma (2005) and Ike (2008). In 2009, he deployed to the VA H 1 N 1 Coordination Center in Washington DC. Ken. Bresnan teaches part time at Wayne State University College of Engineering.



Join us for

***The Throw Down In
Motown***

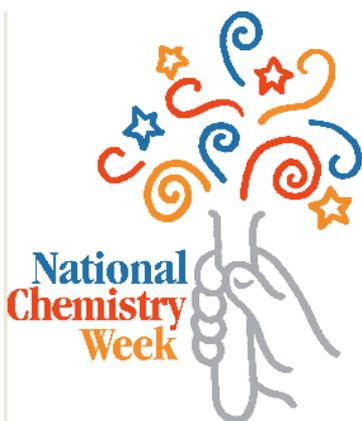
100 Years of Chemistry in Detroit

June 5th – June 9th, 2012

Come to the Henry
(formerly the Ritz Carleton)
in Dearborn, MI

for the

43RD CENTRAL REGIONAL MEET-
ING
of the ACS



National Chemistry Week Volunteers Needed

National Chemistry Week (October 16 - 22) is a community-based annual event that unites American Chemical Society (ACS) local sections, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life. The theme this year is "Chemistry—Our Health, Our Future!" Explore the positive impacts of chemistry as it relates to nutrition, hygiene, and medicine.

The Detroit Section of the American Chemical Society will hold two National Chemistry Week programs this year. Both programs involve hands-on chemistry experiments for kids.

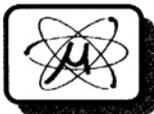
- The Detroit Science Center will host our NCW event on **Saturday, October 22**. The program will run from 11:00 – 4:00 PM. The museum is located on John R Street at Warren Avenue, between the Detroit Institute of Arts and the Charles H. Wright Museum of African American History in Detroit. Information and a map can be found on their website at www.detroitsciencecenter.org.
- Cranbrook Institute of Science will host our NCW event on **Sunday, October 23, "Mole Day"**. The program will run from 12:00 – 4:00 PM. The museum is located on the Cranbrook Educational community campus on Woodward between Lone Pine and Long Lake roads in Bloomfield Hills. Information and a map can be found on their website at science.cranbrook.edu.

We are looking for **15 - 20 volunteers** for each program to staff the individual hands-on experiments, to lead the children through activities, and answer questions about the chemistry in the world around us. Children will have fun making things like slime, putty, and ink while learning about the properties of everyday materials.

This is a great opportunity to come out and mix socially with your fellow chemists while performing a valuable public outreach. Please, come join us for one of these programs. If you would like to participate, you can respond directly to our program organizer, Denise Grimsley, at denise.grimsley@basf.com.

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- Companies for laboratory and management positions
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- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net
- <http://www.acs.org>

Calendar of Upcoming Events

Second Tuesday of the Month: Section Executive Committee Meeting – The **Sept. 13th** Executive Committee Meeting will be held at the University of Michigan Dearborn, Science Building Room 108. 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. This program will continue throughout the summer months! On **Sept. 20**, Kenneth Bresnan will speak on “Emergency Management”, see page 8 for details.

Sept. 29: Joint Section Meeting with the Huron Valley Section, see pages 1-2 for details.

Oct. 6: ANACHEM Meeting, see page 2 for details.

Oct. 12: October Section Meeting, see page 4 for details.

Oct. 22 & 23: National Chemistry Week, see page 10 for details

Nov. 3: ANACHEM Symposium, see page 4 for details.

Nov. 12: Chemistry Day, see page 3 for details.

June 5-9, 2012: CeRM (Central Region ACS 2012 Meeting) sponsored by the Detroit Section, see page 9 for details.



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