

*February Section Meeting:
Announcing a Detroit Local Section
of the American Chemical Society
Education Committee Program*

- Topic:** Tour of the Kitchen at the Traffic Jam and Snug Restaurant: Beer Brewing, Cheesemaking and Bakery
- Speaker:** Chris Reilly, Master Brewer and Cheesemaker
- Place:** Traffic Jam and Snug, 511 West Canfield, Detroit, MI 48201, 313.831.9470, www.traffic-jam.com (see page 15 for map)
- When:** Saturday 10 February 2007*, Tour from 12 noon to 1 PM, Lunch from 1:30 PM to ?(Dinner RSVP info below)
- Cost:** Pay your own way for lunch, but the tour is free!

Please RSVP by Wednesday 7 February to Matt Mio, Education Committee Chair: miomj@udmercy.edu

*In case of inclement weather, you will be contacted by e-mail.

(Continued on page 2)

(Traffic Jam Tour—Continued from page 1)

The Traffic Jam and Snug, established 1965, is truly one of Detroit's hidden treasures. Known throughout Midtown for our in-house bakery, microbrewery, and dairy, our curiously intimate multi-level dining rooms, and an eclectic menu of made-from-scratch dishes, there is simply nothing quite like The Traffic Jam.

We only use the best, freshest ingredients. We know this because we make everything ourselves. Each day, our bakery turns out a new Bread of the Day, from authentic ethnic crusted rolls and vegetable breads to whole grain sourdoughs and cheese loaves. In fact, head baker Pete Waldamier stopped keeping records of recipes years ago. A shamefully delicious selection of pies, cakes, and cookies are made here too, not to mention our very own hot fudge and ice cream.

Our award-winning cheeses and beers are a local favorite. We actually use the same equipment for brewing beer and making cheese, and we encourage you to witness this unique process from our observation balcony. One popular lunchtime choice is our cheese platter, consisting of three of our finest cheeses, served with premium crackers, fresh berries, and house-made honey dijon mustard.

On December 18, 1992, after a decade-long legal battle, Michigan became the last Midwest state to enact a brewpub law. Since then, the Traffic Jam has been brewing an uncommon, ever-changing selection of hand-crafted beers. Take, for example, the Grand Theft Pilsner, or the Java Porter. Available in 14 or 22 oz. pours, or try them all with our 8 oz. sampler glasses.

Correction

Editor's Note: The Section Officers list in the January Chemist had several outdated phone numbers, see pages 8 & 9 for an updated complete list of the Section's Officers and Committee Chairs



Admission ticket to your most productive week all year...

and to the 2007 ACS-DAC Technical Program. Welcome to Pittcon®. Where there's no limit to what you can learn—and no place like it in the whole world of laboratory science. This year, in addition to our usual world-class expo and diverse technical program, we're pleased and proud to be joining forces with the ACS Division of Analytical Chemistry, who will be hosting important symposia, contributed sessions and an undergraduate poster.

Visit www.pittcon.org for our complete technical program.

PITTCON
CONFERENCE & EXPO **2007**

Mark your calendar for Pittcon: February 25–March 2, 2007

McCormick Place • Chicago, Illinois USA • www.pittcon.org

© 2006. All rights reserved.

The Minority Affairs Committee would like to wish everyone a Happy and Prosperous New Year.



This year the Minority Affairs Committee (MAC) would like to here from you.

We want your participation as well as your thoughts and ideas for programs, seminars, and or activities you would like to see from your local Detroit Section ACS for 2007.

We want to make the MAC of the Detroit ACS spectacular this year. Please email all your thoughts to:

herman.phlegm@gm.com

or

yolanda.watts@basf.com

Kids & Chemistry: Royal Oak Career Fair

This year the Career Choices career fair program for middle and high school students will be held on Wednesday, March 7th at the Churchill Community Education Center in Royal Oak, MI. Students and teachers from the high schools and middle schools will be bused there from approximately 9 am until 2 pm. Kids & Chemistry plans to staff a booth at this event to provide information on chemical-science based careers. This is the first time the event will be held on a weekday; if your schedule allows you to attend a weekday event, we would really appreciate your assistance. We will be handing out literature and answering student questions on careers in chemistry. Felix Schneider is organizing our participation; if you can join us, please contact Felix at:

FELIXSCHN@aol.com.

Professional Development Conference

The Detroit Local Section is teaming up with the Toledo Local Section to hold a Professional Development Conference on Saturday, April 14, 2007 in the Chemistry Building of the University of Detroit Mercy in Detroit. This conference is aimed at chemists at any stage of their career, and ACS members and non-members are welcome to attend. There is no fee for this conference.

We are pleased to have Dr. Lisa Balbes as the conference's key presenter. Dr. Balbes will conduct a workshop entitled "Managing an Effective Job Search". The workshop will begin at 9 am, and consist of three one-hour sessions on Targeting the Job Market, Resume Preparation, and Interviewing Techniques. In the afternoon, she will present the *premiere* presentation of a new workshop describing how to make a successful career transition, and non-traditional careers that other chemists have discovered.

Half-hour one-on-one resume reviews will be available throughout the day, except during the resume preparation session. Space is limited, so contact Megan Klein at klein_megan@hotmail.com to reserve your timeslot.

If your company would like to exhibit or donate door prizes, or if you would like to volunteer to help, please contact Megan (e-mail above).

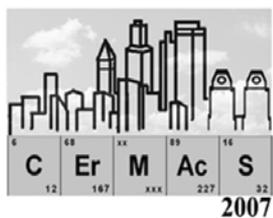
A pizza lunch will be provided, as well as refreshments throughout the day.

Presenter Bio: Lisa M. Balbes, Ph.D. founded Balbes Consultants (formerly Osiris Consultants) in 1992. Balbes Consultants provides scientific writing services, including documentation for scientific software and medical devices for over 50 client companies. She was chair of the St. Louis Section of the American Chemical Society in 2002, receiving an Outstanding Local Section Achievement Award and a Salute to Excellence Award for

(Continued on page 6)

her work there. She is also very involved in career development for chemists, has been a volunteer career consultant for ACS for 14 years, and is the author of “Nontraditional Careers for Chemists: New Formulas in Chemistry”, published by Oxford University Press in 2006. Dr. Balbes obtained her Ph.D. in chemistry from the University of North Carolina at Chapel Hill, and her undergraduate degrees in chemistry and psychology from Washington University in St Louis.

Her company’s web site is <http://www.balbes.com/>, and includes links to information about the book, as well as her blog on career development for chemists.



“Learn Today...Influence Tomorrow”

CERMACS 2007--Central Regional Meeting

American Chemical Society

Cincinnati Section of the ACS, host

Northern Kentucky Convention Center

Covington, KY

May 20-23, 2007

Abstracts now open and runs through March 26, 2007
(see website for details)

Plan now to attend this action packed meeting of science and fun!

- Over 65 invited symposia & general sessions
- Poster sessions
- Vendor Exhibits & Recruiting Fair
- Student, Teachers & Chemical Technicians programs
- Celebrate Chemical Abstracts Service 100th Anniversary
- Cincinnati REDS baseball & other social events

Stay informed: www.cermacs2007.org

Call for Papers

The 35th annual conference of the North American Thermal Analysis Society will be held August 26-29 August at the Kellogg Hotel and Conference Center at Michigan State University. The Technical Program will consist of over 200 presentations in 17 Symposia, a General Session, a Poster Session and a Collegiate Poster Competition. An Exhibit will feature the latest developments in thermal analytical equipment and services. The annual Awards Banquet will recognize outstanding achievements by contributors to the field of thermal science. The acclaimed two-day Short Course will immediately precede the conference on Saturday and Sunday, August 25-26. The NATAS Conference presents an ideal setting to present your findings to an international audience of scientists and engineers and members of the Detroit section of ACS are especially welcomed to this convenient venue.

One to two page abstracts are due **March 31, 2007**. Manuscripts (up to 15 pages in length) are due **July 15, 2007**. For more information please refer to the Society web address at:

<http://www.natasinfo.org>

From the menu, select Conferences/2007 and follow the links to the latest information.

Cordially,

Michael Rich
Composite Materials and Structures Center
Michigan State University
NATAS 2007 Conference Chairman

2007 Detroit ACS Section Officers and Committee Chairs

2007 Section Officers:

Chair: Mark Benvenuto

E-Mail: benvenma@udmercy.edu Phone: 313-993-1184, FAX: 313-993-1144

Chair-Elect: Steven Scribner

E-Mail: sscribner@marygrove.edu Phone: 313-927-1321

Secretary: Megan Klein

E-Mail: klein_megan@hotmail.com

Secretary-Elect: Mary Kay Heidtke

Phone: 313-843-7855 E-mail: MKHeidtke@aol.com

Treasurer: Mary Kay Heidtke (see above)

Treasurer-Elect: Megan Klein (see above)

Councilor (2006-2008): Charlene Hayden

E-mail: Charlene.Hayden@gm.com Phone: 586-986-0854, FAX: 586-986-0817

Councilor (2005-2007): James Landis

E-Mail: jim.landis@gt.org Phone: 248-577-2217, FAX: 248-583-2976

Councilor (2007-2009): Walter Siegl

E-Mail: wsiegl@yahoo.com Phone: 313-278-5821

Alternate Councilor (2005-2007): Mark DeCamp

E-mail: mdecamp@umd.umich.edu

Alternate Councilor(2006-2008): Steven Scribner (see above)

Alternate Councilor (2007-2009): Kevin Perry

E-mail: Kevin.I.Perry@gm.com Phone: 586-986-1928, FAX: 586-986-2094

2007 Committee Chairs:

Awards: Mary Kay Heidtke (see above)

Bylaws: Walter Siegl (see above)

Education: Matt Mio

E-mail: miomj@udmercy.edu Phone: 313-993-1188, FAX: 313-993-1144

Environmental Improvement and Safety: Peter Warner

E-Mail: peter.warner@wayne.edu Phone: 313-833-3603, FAX: (313) 833-3561

Government Affairs: Kevin J. O'Mara

E-Mail: kevin@e4mas.com Phone: 248-591-6660 ext 112, FAX 248-591-6668

Industrial Liaison: Sunitha Grandhee

E-mail: sgrandhee@exatec.biz Phone: 246-960-1143

Kids and Chemistry:

Mary Kay Heidtke (see above)

(Continued from page 8)

Gina Ludwig

E-mail: smile11540@wowway.com

Felix Schneider

E-Mail: felixschn@aol.com Phone: 248-583-1578

Walter Siegl (see above)

Long Range Planning: Charlene Hayden (see above)

Membership: Steven Scribner (see above)

Midgley Award: Galen Fisher

Email: galen.b.fisher@delphi.com Phone: 586-323-4141

Minority Affairs:

Herman Phlegm

E-Mail: herman.phlegm@gm.com

Yolanda Watts

E-Mail: wattsy@basf-corp.com

National Chemistry Week: Denise Grimsley

E-Mail: grimsld@basf-corp.com Phone: 734-324-6539, FAX: 734-324-5031

Newsletter Editor (Publications): James Landis (see above)

Professional Relations (Career Program): Megan Klein (See above)

Project SEED: Keith Williams

E-Mail: AC1573@wayne.edu Phone: 313-577-0278, FAX: 313-577-1377

Public Relations: Gina Ludwig (see above)

Regional Planning: Mark Benvenuto (see above)

Silver Circle: Mark Benvenuto (see above)

Trustee Board: Kurt Reimann

E-Mail: k.reimann@att.net Phone: 734-787-8716

USNCO (Chemistry Olympiad): Mark DeCamp (see above)

Women Chemists:

Hulya Ahmed

E-mail: ahmed@basf.com Phone: 734-324-6346, FAX: 734-324-5031

Vauhini Telikapalli

E-mail: vauhini.telikapalli@gm.com

Phone: 586-492-5180, FAX: 586-492-5201

Younger Chemists Committee: Meghann Mouyianis

E-mail: meghann_13@hotmail.com

ANACHEM Liaison and Section Webmaster: Edward J. Havlena

E-mail: 73230.1340@compuserve.com Phone: 321-393-3685

The Best Section in the U.S.!

By Mark Benvenuto, 2006-7 Section Chair

As 2007 begins, it is definitely right and proper to say, “Congratulations,” to everyone in the section! If you haven’t read the masthead of the Detroit Chemist closely, please note that in 2006 our own Detroit ACS Section was given the award for Best Performance in the medium large category. That’s the ACS equivalent of winning the Super Bowl, the World Series, or the Stanley Cup. And it’s all due to the hard work of our members. So, congratulations, and good job! Let’s all see if we can make 2007 as good or better than 2006.

Speaking of the hard work of our members, there are just about 1,600 of us, yet far less than that number show up for our monthly events. Is there something special you’d like from your section? If so, let us know. Send an e-mail to me at: benvenma@udmercy.edu, or to any of your section officers, and simply ask. We’re good, but we’re not mind readers; so please, let us know what you’d like to see or have going on in the section.

Still along those lines, if you haven’t had a chance to talk with other folks in the section in quite a while, why not come back and attend an event? We’ve got talks coming up, hopefully including one in the Port Huron area. We’ve got a career workshop on the horizon. Our Kids and Chemistry committee has several events planned where we need people to help out (nothing strenuous, just some expertise and a desire to give back to the community). We’ve also got our joint awards dinner with our Canadian counterparts planned for the 23rd of May, in Windsor, if you’d just like to get together with other chemists, talk, enjoy dinner, and hear former ACS President Bill Carroll speak. In other words, the section has a lot going on. Getting involved in a small way can be big when it comes to fun, and small when it comes to adding to an already busy schedule.

(Continued on page 11)

Last year, between our activities in our highly active committees, such as Education, Project SEED, Government Affairs (yes, we sent people to Congress), Careers, and our hyperactive Kids and Chemistry committee, we managed to squeeze in one more initiative that might best be described as small but significant. We produced a pamphlet to raise awareness about the proper disposal of old medicines. We distribute it at events where we have a presence, and can send it to any member via e-mail, if you'd like it. It's actually an outgrowth of a survey that former section Chairman Kevin Perry sent out. Many of you responded that you'd like an ACS section that was more politically and environmentally active, but that you didn't have a lot of time to dedicate to such projects at that moment. Well, we hope a small initiative like this proves we can make a positive difference without adding to already full schedules, and we are planning similar work in the future. If you are interested in becoming involved, again, please e-mail myself or another Executive Committee member. Together we can move mountains, even if it is only one pebble at a time.

Again, congratulations folks!

Call for ACS Scholars Program Applications

The ACS Scholars Program, now in its twelfth year, is accepting applications for the 2007-2008 academic year. For the first time, students can apply on-line at <http://chemistry.org/scholars>. Applicants must be majoring in or planning to major in a chemical science and intending to pursue a career in that science. The scholarship is renewable and valued at up to \$5000 per academic year. For further information or to receive an application package by regular mail or e-mail, call 1-800-227-5558, ext. 6250, or send an e-mail message to scholars@acs.org, or write to us at American Chemical Society Scholars Program, 1155 16th Street, NW, Washington, DC 20036.

2006 Project SEED Final Report

Although there are many summer programs available to students, the American Chemical Society's Project SEED (Summer Educational Experience for the Disadvantaged) offers students the opportunity of a lifetime. Participants learn during the summer break, as well as earn a sizable stipend, in exchange for making a commitment to achieve academically. This program enables students to discover new skills and abilities. Project SEED has been extremely successful in contributing to the potential career choices and the educational growth of ambitious youngsters in the Detroit Metropolitan area.

Project SEED not only offers both educational and financial opportunities, it also gives the students the chance to work in a scientific laboratory. Project SEED is funded jointly by the American Chemical Society (ACS) and other sponsors, which requires income stipulations. The student must be defined as "disadvantaged", a total family income below \$34,000.00. Ideally, the student should have completed at least a year of Chemistry and have completed the 10th grade. If selected he/she would then be offered a stipend for participation in an 8 - 10 week program, scheduled to begin in late June. Also, the students will be assigned a laboratory selected by the coordinator. This program's daily schedule is research in the afternoons and academic enrichment during the mornings. Finally at the end of the program, a research paper will be required outlining the student's advanced research chemistry assignment. Students enrolled in Project SEED have multiple years of eligibility ending the summer of high school graduation.

During 2006, the Detroit Project SEED program had nearly 40 applicants for five positions and 10 candidate interviews held at Wayne State University. Offers were tendered to fill five positions to:

Sheterra Redd~: Cass Technical High School
Roza Hassen~: Hamtramck High School (BASF Book Scholarship)
Jasmine Bentley: Cass Tech High School
Jerrard Adams~: Central High School
Shuntaye McKinney: Mumford High School
(~) Denotes Graduated High School Seniors

The students participated in two weeks of preparation for their lab experience followed by a busy schedule of learning, teaching and laboratory work:

- Morning sessions: science sessions, Chemistry, Physics, & Biology as teaching and lab assistants (Tuesdays & Thursdays)
- Morning sessions relative to developing research skills presentation (Transition from High School to College & Time Management), college admission, & how to research scholarships.) (Wednesday)
- Morning sessions SEED students served as peer mentors for the WSU

(Project SEED Report—Continued from page 12)

- Upward Bound Science program (Tuesdays & Thursdays).
- Field Trips: Campus visits to University of Michigan-Ann Arbor and Henry Ford Community College
- Afternoon session research at University of Michigan-Ann Arbor or Wayne State University guided by 2006 Preceptors: David Benson (WSU), Ted Goodson (U of M), Claudio Verani (WSU), Howard Matthew (WSU) & Arthur Suits (WSU).

All the students involved in research effort submitted final, which were sent to national ACS:

Name/Preceptor	Title
Roza Hassen/ David Benson	The Development of a Quantum Dot Aptamer- based Biosensor for the Detection of Thrombin
Jasmine Bentley/ Howard Matthew	Crosslinking of the Biomaterial Chitosan with Divinyl Groups
Sheterra Redd/ Arthur Suits	Velocity Map Ion Imaging Technique
Shuntaye McKinney/ Ted Goodson	Investigations of the Dielectric Response of BaTiO ₃ Encapsulated with Polyaniline Nanocomposites
Jerrard Adams/ Claudio Verani	The Application of Metal Containing Liquid Crystals in Nanotechnology: Continuation from 2006

BASF Community Activities Committee awarded their Book Scholarship to Roza Hassen, a third year Project SEED student at Wayne State University. Ms. Hassen plans to pursue Biochemistry at Wayne

Special Thanks to James Landis of Henkel and Yolanda Watts of BASF for obtaining funding from their companies and to the Detroit Professional Chapter of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) for their assistance in the interviewing and selections process of the above students. Lastly, thanks to Ted Goodson for his support via his NSF NIRT (Nanoscale Interdisciplinary Research Teams) grant.

Submitted by Keith Williams, Project SEED

Calendar of Upcoming Events

February 10 — Tour of the Kitchen at the Traffic Jam and Snug Restaurant: Beer Brewing, Cheesemaking and Bakery(See pages 1, 2 & 15 for details.)

February 25, - March 2 — 58th Annual Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon 2007) , Chicago, Illinois, USA (see page 3 for details)

March 7 — Kids & Chemistry: Royal Oak Career Fair (see page 4 for details)

March 25-29 — American Chemical Society 233rd National Meeting & Exposition Chicago, IL USA

April 14 — Professional Development Conference (see pages 5 &6 for details)

May 20-23 — CERMACS 2007--Central Regional Meeting (see page 6 for details)

August 26-29— North American Thermal Analysis Society Conference (see page 7 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-acis.org>

The Detroit Chemist is now also available via email in text-only form. The email version is distributed at the same the issue goes to press (much sooner than the printed and bulk mailed edition). To subscribe send an email to: majordomo@angus.mystery.com with

subscribe detroit-acis
end

in the body of the message.



Location of February Meeting:

The Traffic Jam is located at 511 W. Canfield, on the corner of Canfield and Second Ave, just south of Wayne State University. Plenty of free parking is always available.



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

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



Attn: Dated Material

Here's your copy of the February Detroit Chemist