

# KALCHEMIST NEWS

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## KACS WEBSITE:

<http://www.wmich.edu/acs/>

*January-February, 2005*



## Message from the Chair Kent S. Alleman

Welcome to 2005! The Kalamazoo local section has many great events planned for this year, including some new public outreach activities. As always, we will be looking to our membership for volunteers. One of the first volunteer opportunities will be Chemistry Merit Badge Day for the Boy Scouts on Saturday, March 12<sup>th</sup> (see Page 2 for further details).

We are also accepting nominations for Outstanding Local Section Members. Please contact Sheryl Loux ([sjloux@medscape.com](mailto:sjloux@medscape.com)) with your nominations. Along the same lines, congratulations are in order for Jackson Hester for 50 years of membership in the ACS. If you know Jackson, please congratulate him on this amazing achievement. One of our Councilors, Lydia Hines, has recently received two service awards, one for 5+ years serving as National Chemistry Week Coordinator and another from the national organization, for service on the Committee on Committees. Congratulations Lydia!

Mark your calendars for our first ACS Tour Speaker. Wednesday, April 20 at 7:00 on the campus of Kalamazoo College (exact location TBD) Dr. J. Ernest Simpson will be giving a presentation on "The Chemistry of Wine." The talk will include an overview of wine and wine making and more detailed descriptions of the chemical composition of grapes and wine. Laboratory methods for analysis of grapes and wines, sensory and organoleptic methods used for wine, the role of tannin and other phenolic compounds in wine, and some potential health aspects of wine will also be covered. In other tour speaker news, our past-chair Patrick Irish has been accepted into the ACS tour speaker service and will be speaking on the topic of, "Why do Drugs Cost so Much?"

Kent

## In this issue:

Call for Volunteers: Boy Scouts Chemistry Merit Badge and Workshop for Grades 4-6 teachers.....2  
Councilor's Report of the 228th ACS National Meeting.....3

**Call for Volunteers: Chemistry Merit Badge Day for Boy Scouts**  
**Saturday, March 12, 2005**  
**Western Michigan University**

The Kalamazoo Section of the American Chemical Society (KACS) is sponsoring the 6th Chemistry Merit Badge Day for Boy Scouts in the Southwest Michigan Council. This area covers the six southwestern counties of the state and includes the cities of Kalamazoo, Battle Creek, St. Joseph/Benton Harbor, Three Rivers, Sturgis, and Marshall.

The program - held in collaboration with the chemistry department and faculty at Western Michigan University - will allow over 200 Scouts from 20 troops to finish all of the requirements for the chemistry merit badge in a single day. The Scouts will complete their merit badge training by attending lectures, conducting experiments in college-level facilities, and visiting research laboratories at WMU. KACS is providing the resources for the program and there is no cost to participating Scouts.

If you would like to volunteer for this event, please contact Shawn Hawk at 269-833-8924 or e-mail [shawn.p.hawk@pfizer.com](mailto:shawn.p.hawk@pfizer.com).

\*\*\*\*\*

**Workshop Opportunity for Grades 4-6 Teachers**

*Voyage from the Sun*

An interactive science module about the origins, pathways, and uses of solar energy.

An entertaining and educational two-day workshop taught by professionals from the Bronx Zoo, this twenty-lesson science module motivates students to experience science in a whole new way. Using interactive and interdisciplinary modules *Voyage from the Sun* teaches students about the origins, pathways, and uses of solar energy. Attending teachers will also receive a full set of materials for their classroom, including:

- ☞ An Energy for Survival Poster
- ☞ The Energy Pyramid
- ☞ 53 Plant and Animal Cards
- ☞ The *Voyage from the Sun* Comic Book
- ☞ Student Activity Guides
- ☞ *Race for the Rain Forest* Game Materials
- ☞ Teachers' Guide

For more information on *Voyage from the Sun* please see the brochure at <http://bronxzoo.com/bz-education/teacherinformation/bz-curricula>

**To Register On Line:** Go to the Kalamazoo RESA website: [www.kresanet.org](http://www.kresanet.org)

The workshop is sponsored by the Kalamazoo RESA and the Pfizer Foundation.

# **Councilor's Report of the 228th ACS National Meeting Philadelphia, Pa August 22-26, 2004.**

This is the second part of the report from our councilor Dean Cooke from the ACS National Meeting in Philadelphia. The first part of the report was published in the November-December issue of the newsletter.

## **Approval of Petitions**

- The Council voted to accept three amendments to the ACS Constitution and/or Bylaws
- The Petition for Electronic Balloting proposed changes to the Society's Constitution and Bylaws allowing for the option of electronic balloting. The first Society implementation will be internet-based, similar to those currently used by several divisions, sister societies, and other organizations, such as public corporations polling their shareholders prior to annual meetings. This petition must be approved by the ACS membership before it can be implemented.
- The Petition to Change Division Annual Report Deadlines to February 15 makes the annual report deadline consistent with that of Local Sections. This allows the Council Committee on Divisional Activities more time to evaluate Division Annual Reports for making selections for the ChemLuminary Awards program.
- The Petition for Membership Requirements for Teachers allows experienced qualified chemistry teachers, who may not otherwise fully meet the requirements, to become members based on their status and experience. The petition also allows a pre-college chemistry or allied science teacher to become an associate member.

## **Special Discussion Item**

- A special discussion item was put on the Council agenda for this meeting. ACS President Charles Casey and Board Chair James Burke lead the Council in a discussion on the multidisciplinary/dispersion of chemistry as a discipline and its impact on ACS members and the profession. Questions were raised about the way the federal government identifies jobs held by chemists as one of many indicators of how multidisciplinary has come to affect the status of chemists. The Board of Directors and the ACS President have established a joint Board-Council task force to assess the challenges and opportunities that multidisciplinary presents to the ACS and chemical scientists in general. The discussion at Council revealed an interest in this topic, particularly as it applies to the future of the discipline.

## **Local Section Actions**

- On the recommendation of the Local Section Activities Committee, the Council approved a name change for the Peoria Local Section to the Illinois Heartland Local Section. The Council also approved the inclusion of four additional counties to the Wichita Falls – Duncan Local Section.

## **Approval of the ACS Professional Employment Guidelines**

- On the recommendation of the Committee on Economic and Professional Affairs, the Council voted to approve the seventh edition of the ACS Professional Employment Guidelines. These guidelines offer a variety of recommended practices in employment for professional scientists and their employers in today's workplace.



# 2005 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

- 
- February 3      KACS Executive Committee Meeting, Pfizer B126 CR, 5:00pm
- March 3          KACS Executive Committee Meeting, Pfizer B126 CR, 5:00pm
- March 12        Chemistry Merit Badge Day for Boy Scouts  
Western Michigan University  
(Shawn Hawk, 269-833-8924, [shawn.p.hawk@pfizer.com](mailto:shawn.p.hawk@pfizer.com))
- April 7          KACS Executive Committee Meeting, Pfizer B126 CR, 5:00pm
- April 20        Spring Tour Speaker  
"The Chemistry of Wine" by Dr. J. Ernest Simpson  
Kalamazoo College (exact location TBD), 7:00pm  
(Kent Alleman, 269-833-5396, [kent.s.alleman@pfizer.com](mailto:kent.s.alleman@pfizer.com))

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*March-April, 2005*



## Message from the Chair Kent S. Alleman

Thank you to all of the volunteers who helped out with Boy Scout Chemistry Merit Badge Day. Over 200 scouts attended this biennial event. Special thanks to Shawn Hawk who coordinated the scouts, volunteers, and activities this year.

We have another 50 year ACS member in our local section: Thomas Houser. Tom is retired from WMU where he was on the faculty as a physical chemist for 30+ years. Prior to his time at Western, Tom worked for the Air Force on the use of fluorine as an oxidizer for rocket fuels. Tom also worked in the coal industry using supercritical water to decompose nitrogen compounds in coal, leading to cleaner burning. Chemistry must run in the Houser blood because Tom has a daughter (also an ACS member) who works as a pharmacologist for Pfizer on the east coast. Congratulations Tom on reaching this great milestone.

Many of you are probably not aware of the numerous members of our local section who work behind the scenes to keep our section running smoothly. I've recently encountered two of them who I would like to highlight. Dr. Steve Bertman is the webmaster of our local section homepage, address at the bottom left of this page. Steve keeps our web site up-to-date with newsletters, officers, meeting minutes, and other announcements. Jeff Fleming has the unenviable task of keeping track of our membership and mailing lists. The national organization does send rosters, they often lag behind reality. It is up to Jeff and other volunteers to reconcile these lists. I'm sure there are other members of our local section who contribute behind the scenes, and I don't mean to overlook you. I just haven't met you yet.

Keep your calendar open for several upcoming events. Our Spring Tour speaker presents on April 20, see below for further details. The annual Awards Banquet has been scheduled for Monday May 23 at 6:00 in the Bernhard Center.

## In this issue:

	page
Spring Tour Speaker: Dr. J. Ernest Simpson "Chemistry of Wine" .....	2
News from the Women Chemists Committee .....	3
Kalamazoo section annual awards banquet.....	4-5
KACS Calendar .....	6

## **Spring Tour Speaker: Dr. J. Ernest Simpson “Chemistry of Wine”**

Wednesday, April 20, 2005, 7:00 pm.  
Dow Science Building, Room 226  
Kalamazoo College

For directions to Kalamazoo College please check on link:

<http://www.kzoo.edu/map.html>

### **Abstract**

The talk will include an overview of wine and wine making and more detailed descriptions of the chemical composition of grapes and wine, laboratory methods for analysis of grapes and wines, sensory and organoleptic methods used for wine, the role of tannin and other phenolic compounds in wine, and some potential health aspects of wine.

### **Speaker Biography**

Dr. Simpson joined the Chemistry Department at California State Polytechnic University, Pomona, in 1968 after completing his B.S., M.S., and Ph.D. (organic chemistry) at the University of New Mexico and spending one year as a visiting chemistry professor at Pomona College. In 1973-74 he was on leave as visiting research associate in the Department of Enology and Viticulture at U.C./Davis. He is an active member of the American Society for Enology and Viticulture and has served on the editorial review board committee for the society's journal. He has published a California wine guide. At Cal Poly he has developed industrial chemistry and cooperative education courses/programs. He is currently the Director of Cooperative Education for Cal Poly. His research interests and publications are in the areas of polycyclic aromatic hydrocarbons, Carbon-13-labeled compounds, and phenolic compounds, especially in grapes and wine. In 1984 and 1986 through 1990 he was selected for Exceptional Merit Service Awards at Cal Poly. In 1996 he was selected as the outstanding advisor in the College of Science, and his co-op program was chosen as the best in California. He is a member of ACS (San Geronio section chairman, 1973), California Association of Chemistry Teachers (program chairman and southern section president, 1985-87), California Cooperative Education Association (president 1996-97), and Sigma Xi.

## News from the Women Chemists Committee (WCC) of the KACS

Sheryl Loux

### Nominations of New WCC Steering Committee Members

Two positions are open (those seats shown for 2004 is in parenthesis). Please contact any Steering Committee members with your nomination (self nomination is encouraged). Nominations will close April 8, 2005.

### The KACS WCC Steering Committee

Open Position ('07)

Dr. Susan (Sue) Stapleton ('05)  
Department of Chemistry  
McCracken Hall  
Western Michigan University  
Kalamazoo, MI 49008  
Phone: 269-387-2853  
Fax: 269-387-2909  
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Fax: 269-337-7251  
Email: [rtruss@kzoo.edu](mailto:rtruss@kzoo.edu)

Sheryl J. Loux ('04)  
856 Farrell Avenue  
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Email: [sjloux@medscape.com](mailto:sjloux@medscape.com),  
[sheryl.loux@mpiresearch.com](mailto:sheryl.loux@mpiresearch.com)

Open Position ('07)

Jennifer A. Larese ('06)  
Pfizer 0200-041-160  
7000 Portage Road  
Portage, MI 49001  
Phone 269.833.0637  
Fax 269.833.6568  
Email: [jennifer.a.larese@pfizer.com](mailto:jennifer.a.larese@pfizer.com)

### Former Members:

Desiree M. Quizon-Colquitt ('04)  
resigned Oct 2004 due to moving  
away from Michigan

### General Membership Meeting Sunday, April 24, 2005

A lunch meeting will be held from 12 to 1 pm., Sunday, April 24 to meet the nominees for the Steering Committee and to socialize.

If you wish to attend, please contact Sheryl Loux (269-343-4737, [sjloux@medscape.com](mailto:sjloux@medscape.com) / [sheryl.loux@mpiresearch.com](mailto:sheryl.loux@mpiresearch.com)) for location during the week of April 11.

## **KALAMAZOO SECTION ANNUAL AWARDS BANQUET**

The Kalamazoo Section of the ACS will hold its Thirty Second Annual Awards Banquet on Monday, May 23, 2005, in the Bernhard Center on the Western Michigan University Campus from 6:00 to 8:00 p.m. The awards banquet is held annually to honor outstanding high school senior chemistry students and high school teachers.

At the dinner, the Outstanding High School Chemistry seniors from the 35 high schools in the area served by the Kalamazoo section will be honored. The section will also present checks and certificates to the winners in the Kalamazoo Section's Competitive Examination program. Outstanding College Chemistry Seniors from Kalamazoo College and Western Michigan University will also be acknowledged.

An award will be given to the Outstanding High School Chemistry Teacher for 2005 for the Kalamazoo Section. This year we will be accepting nominations for the award from the KACS membership; if you would like to nominate your child's High School Chemistry Teacher, please contact, Dr. Brian Buffin (269-387-2420, [brian.buffin@wmich.edu](mailto:brian.buffin@wmich.edu)).

We will also honor Kalamazoo Section Fifty Year ACS members, and we will present a special Kalamazoo Section Achievement award.

The cost of the dinner, including gratuity, is \$17.00. Any Kalamazoo Section member or guest who wishes to attend the Awards Banquet should return the reply slip on Page 5 by May 13, 2005 or call at 387-2846 to make a reservation.



# KALAMAZOO SECTION ANNUAL AWARDS BANQUET

## REPLY SLIP

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**PLEASE RETURN by May 14, 2005 to:**

Ms. Annie Dobbs  
Chemistry Department  
Western Michigan University  
Kalamazoo, MI 49008

Please make the following reservation for the Annual Awards Banquet of the Kalamazoo Section of the American Chemical Society at \$17.00 for each plate.

<u>Name</u>	<u>Address</u>	<u>Places</u>	<u>Cost</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
		Total Cost	_____

**PLEASE MAKE CHECKS PAYABLE TO: "The American Chemical Society"**



# 2005 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

- 
- April 7** KACS Executive Committee Meeting, Pfizer B126 CR, 5:00pm
- April 8** Closing of Nominations for Women's Chemist Committee Steering Committee  
(Sheryl Loux, 269-343-4737, [sjloux@medscape.com](mailto:sjloux@medscape.com) / [sheryl.loux@mpiresearch.com](mailto:sheryl.loux@mpiresearch.com))
- April 20** Spring Tour Speaker  
"The Chemistry of Wine" by Dr. J. Ernest Simpson  
Kalamazoo College Dow Science Building Room 226, 7:00pm  
(Kent Alleman, 269-833-5396, [kent.s.alleman@pfizer.com](mailto:kent.s.alleman@pfizer.com))
- April 24** Women's Chemist Committee General Meeting  
(Sheryl Loux, 269-343-4737, [sjloux@medscape.com](mailto:sjloux@medscape.com) / [sheryl.loux@mpiresearch.com](mailto:sheryl.loux@mpiresearch.com))
- May 5** KACS Executive Committee Meeting, Pfizer B126 CR, 5:00pm
- May 23** Kalamazoo Section Annual Awards Banquet  
Western Michigan University Bernhard Center, 6:00 to 8:00 p.m.  
(Don Schreiber, 269-387-2846, [donald.schreiber@wmich.edu](mailto:donald.schreiber@wmich.edu))
- 

**KACS Website Address:**

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*June-July, 2005*



## Message from the Chair

**Kent S. Alleman**

The section hosted its annual awards banquet on May 23 where our 50 year members, the Outstanding High School Chemistry Teacher, Outstanding College Chemistry Students, Outstanding High School Chemistry Students, 2005 Competitive Scholarship Winners, and local section award winners were all honored. Congratulations to all of our award winners!

It is not too early to begin thinking about some of our fall activities. Mark your calendars on Wednesday, September 21, for our Fall Tour Speaker – Joseph A. Schwarcz from McGill University. Dr. Schwarcz will be speaking on “Science and the Paranormal” or “Things that Go Bump in the Night”. Time and location to be determined.

Consider running for an available local section office. This year we will be electing a Councilor, Secretary, and Chair-elect. Please contact Michael Kiella (833-9863) or me (833-5396) with your nominations.

If you are interested in becoming involved with local section activities, but are not ready to run for office, consider volunteering for one of the local section activities, like Chemistry Day at the Museum, Saturday afternoon October 15. It is a great way to help your section and reach out to the community. Assisting John Stodola with a chemistry demonstration at the museum was my first involvement with the Kalamazoo local section.

Kent

## In this issue:

	Page
32nd Annual KACS Awards Banquet.....	2-3
Update from the Social Coordinator .....	4
Reading to Children.....	4
Call for Nominations .....	5
Project SEED Reception .....	5
KACS Calendar .....	6

## KACS WEBSITE:

<http://www.wmich.edu/acs/>

## 32<sup>nd</sup> ANNUAL KACS AWARDS BANQUET

Eighty-six friends of the Kalamazoo Section of the American Chemical Society enjoyed the Thirty Second Annual KACS Awards Banquet on May 23 in the WMU Bernhard Center. The Awards Banquet is held annually to honor outstanding individuals in our section including high school chemistry teachers and students, College Chemistry students. Those honored were,

- Brian Conway, the winner of the section's Service Award. He was honored for his years of participation in activities like Chemistry Day at the Museum and Boy Scout Chemistry Merit Badge.
- Thomas Houser and Richard Hsi (not in attendance), fifty year members of the American Chemical Society.
- Rachel Sherman, Kalamazoo College, and Michael Clift (not in attendance), Western Michigan University, Outstanding College Chemistry Students for 2005.
- Michael Huber, Portage Northern High School, Outstanding High School Chemistry Teacher.



**50 Year ACS Member**  
Thomas Houser



**Outstanding College  
Chemistry Student**  
Rachel Sherman, K-College



**Outstanding High School  
Chemistry Teacher**  
Michael Huber  
Portage Northern HS

- 2005 Competitive High School Chemistry Examination winners:

<u>Place</u>	<u>Name</u>	<u>High School</u>
1	Ryan Stadt	Gull Lake
2	Srikanth Aravamuthan	Kalamazoo Central & KAMSC
3	Neil Gajare	Portage Central & KAMSC
4	Mark Griffin	Mattawan
5	Andrew Franks	Portage Central & KAMSC
5	Danielle Mai	Vicksburg & KAMSC
5	Jeffrey Osowski	Portage Central & KAMSC
8	Andrew Greene	Gull Lake
8	Corey Lager	Comstock & KAMSC
8	Brian Yagi	Kalamazoo Central & KAMSC

The following students received Honorable Mention

Calvin Boerigter	Portage Northern & KAMSC
Conner Field	Hackett Catholic Central
Matt Gumbleton	Loy Norrix & KAMSC
Elliott Manzon	Mattawan
Kevin Melotti	Portage Central & KAMSC
Vasilije Perovic	Hartford
Cody Reurink	Wayland
Seth Wolbert	Loy Norrix & KAMSC
David Yancey	Gull Lake & KAMSC
Hyden Zhang	Portage Central & KAMSC

- 2005 Outstanding High School Chemistry students from 17 area high schools:

<u>Student</u>	<u>High School</u>	<u>Nominating Teacher</u>
Kurt Kooy	Allegan	Jennifer Ward
Dylan Lawrence	Galesburg-Augusta	Mike Kupiecki
Dee Smith	Gobles	Steve Schmidt
Ryan Stadt	Gull Lake	Brad Portis
Aaron Lewandowski	Hackett Catholic Central	Amy Johnston
Stephanie Hallgren	Hartford	Amanda Moore
Greg Paulak	Hopkins	Geoff Crowe
Scott Beck	KAMSC	Joe Thorstenson
Caesy Buell	Kalamazoo Central	Mark Branch
Soo Yeon Kwon	Kalamazoo Christian	Al Neiboer and Kelly Joos
Collin Moerman	Lawton	Ernest Delemeester
Jaime Miller	Loy Norrix	Linda Stevens
Alexandra Haase	Mattawan	Joseph Morsfaw
Christopher Marks	Paw Paw	Doreen Odziana
Kamilya Amirova	Portage Central	John Taylor
Matthew Jacobs	Portage Northern	Mike Huber
Alex Wieck	Wayland	Karren Gabrielse



#### **Competitive Scholarship Winners**

**First Row (Lt to Rt):** Ryan Stadt, Elliot Manzon, Neil Gajare, Mark Griffin, Jeffery Osowski, Srikanth Aravamathan, Danielle Mai.

**Second Row (Lt to Rt):** Calvin Boerigter, Cody Reurink, Kevin Melotti, Andrew Franks, David Yancey, Andrew Greene, Connor Field.



#### **Outstanding High School Chemistry Students**

**First Row (Lt to Rt):** Aaron Lewandowski – Hackett Catholic Central High School; Soo Yeon Kwon – Kalamazoo Christian High School; Caesy Buell – Kalamazoo Central High School; Ryan Stadt – Gull Lake High School.

**Second Row (Lt to Rt):** Collin Moerman – Lawton High School; Kurt Kooy – Allegan High School; Scott Beck – KAMSC; Matthew Jacobs – Portage Northern High School; Alex Wieck – Wayland High School; Christopher Marks – Paw Paw High School; Dylan Lawrence – Galesburg-Augusta High School.

The Awards banquet was organized by the KACS Education Committee (Dr. Brian Buffin, Dr. James Kiddle, Dr. Marc Perkovic, Dr. David Reinhold, and Dr. Donald Schreiber).

## **Update from the Social Coordinator**

Jennifer Larese (833-0637, [Nildran@gmail.com](mailto:Nildran@gmail.com))

As the Social Coordinator for the Kalamazoo Section, I am hoping to plan events to bring together current members and also encourage new members to get involved. If you have any suggestions, please email me: [Nildran@gmail.com](mailto:Nildran@gmail.com). I have set up a Yahoo group: [ACS\\_social@yahoo.com](http://ACS_social@yahoo.com). The group is open to anyone interested in knowing about the social activities or has suggestions – feel free to join and submit your ideas! I hope to use the group to announce upcoming activities, in addition to the newsletter.

### **July 1, 2005: Art Hop in downtown Kalamazoo**

If you haven't had a chance to check out the Art Hop, it is a good time to walk around downtown and see art, friends, and even the fire juggler! The Art Hop starts at 5 pm and the route is posted on [www.kalamazooarts.com](http://www.kalamazooarts.com) about a week in advance. Meet outside the Epic Center about 5 pm and we can go from there! Maybe have appetizers or dinner after the hop.

\*\*\*\*\*

### **Reading to Children**

Lydia Hines

It was a beautiful day on Wednesday, June 1, 2005, and Bronson Park in downtown Kalamazoo was teeming with almost 1,000 preschoolers. The event was the 8<sup>th</sup> Annual Party in the Park, a read-to-children activity in honor of Stand for Children Day that is hosted by Ready to Read and the Kalamazoo Public Library (KPL). Patrick Irish and Lydia Hines, representing the Kalamazoo Section of the ACS, joined Kalamazoo dignitaries and volunteers, some dressed as story- book characters, as "readers". We chose several age-appropriate books (provided by the KPL) and then independently moved from one group of children to another as each group requested a "reader"; the groups varied in size from three to ten children each, and as a reader was done with a group that group would raise a "fan" signaling the need for a new reader. From 10 a.m. to 11 a.m. we each read to about ten different groups of children in the park. The KPL was happy to have scientists as readers there. Both of us wore T- shirts saying "Chemistry is pHun", and Lydia also wore a tie-dyed lab coat. The children, and adults with them, were very appreciative.

This was the first time KACS has participated in this annual event. Maybe YOU can join the fun next year. Keep it in mind for late May/ early June 2006, and look in the KalChemist News for more details as they are announced!

## Call for Nominations for 2006

The KACS Executive Committee is requesting nominations for the following positions for terms starting in 2006:

**Chair Elect**

**Councilor**

**Secretary**

Please contact Michael Kiella (833-9863) or Kent Alleman (833-5396) with your nominations.

\*\*\*\*\*

## Project SEED Reception at WMU

The Kalamazoo Section of the American Chemical Society will hold its annual Project SEED Reception on Monday, August 15, from 5:00 PM until 6:30 PM at Western Michigan University in the Haenicke Hall third floor Atrium (maps of campus can be found at the following website, <http://maps.pp.wmich.edu/KaMai/index.html>). The current SEED Students will present posters on the work they have been doing this summer.

Project SEED is a **S**ummer **E**ducational **E**xperience for (economically) **D**isadvantaged High School chemistry students developed by the ACS. This program is aimed at creating a pool of highly motivated students from diverse backgrounds to lead our nation in chemical education, business and research. The students are paid to work side-by-side with an experienced chemical professional in a laboratory setting for eight weeks.

This program is sponsored by funds from National ACS, the local section, and donations from local companies including Pfizer Inc., Kalsec Inc., and A.M. Todd Company as well as donations from individual members.

In addition to the posters, certificates will be presented to the participants and refreshments will be served. To obtain more information about the Project SEED Program or to donate to the program please contact, Donald Schreiber at 387-2856 or by email at [donald.schreiber@wmich.edu](mailto:donald.schreiber@wmich.edu).





# 2005 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

- 
- |              |  |
|--------------|--|
| July 1       | Social Event: Art Hop, Epic Center, 5:00pm (Jennifer Larese, 833-0637)   |
| August 4     | Open to all Members, KACS Executive Committee Meeting, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-5396)                             |
| August 15    | Project SEED Reception, WMU Haenicke Hall Atrium, 5:00pm (Don Schreiber, 387-2856)   |
| September 1  | Open to all Members, KACS Executive Committee Meeting, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-5396)                             |
| September 21 | Fall Tour Speaker: Dr. Schwarcz, "Science and the Paranormal" or "Things that Go Bump in the Night", TBD, (Kent Alleman, 833-5396) |
| October 15   | Chemistry Day at the Museum, Kalamazoo Valley Museum, Noon to 4:00pm (Sharon Barbour, 668.3336 ext.1498)                           |
- 

KACS  
c/o Benjamin Maxey  
Pfizer  
Mail Stop PORT-89-1  
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Please contact Benjamin Maxey at [benjamin.s.maxey@pfizer.com](mailto:benjamin.s.maxey@pfizer.com) if you prefer to receive your newsletter by email.

KACS Website Address: <http://www.wmich.edu/acs/>



# KALCHEMIST NEWS

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*August - September, 2005*



## Message from the Chair Kent S. Alleman

It is with a heavy heart that I write this message from the Chairman. Pfizer's recent announcements about their operations in Kalamazoo county mean that many of our members will be facing job loss over the next six months or so.

The American Chemical Society offers many different career services through their web site. These services are often free and include help with resume preparation, Chemjobs Career Center, salary comparators, and other tools. I encourage anyone who is interested to investigate the link below. You may also contact our career coordinator, Sue Stapleton at [stapleton@wmich.edu](mailto:stapleton@wmich.edu).  
<http://www.chemistry.org/portal/a/c/s/1/career.html?DOC=careers/index.html>

My thoughts are with everyone who is affected by this announcement and will be facing tough decisions in the coming months.

Due to circumstances beyond our control, Dr. Schwarcz will be unable to speak to the local section in September. However, we have a replacement speaker, Dr. Helen M. Free. Dr. Free is a former ACS president (1993) and current works for Bayer in Elkhart, IN. She will be speaking on "The Many Faces of Careers in Chemistry" Wednesday, 21 September, 6:00 pm at Kalamazoo Valley Community College Texas township campus in room 1510 (The Gallery).

Kent

## In this issue:

	Page
A Message from the Chair Elect .....	2
Call for Nominations .....	2
Chemistry Day at the Museum, Call for Volunteers .....	3
Fall ACS Tour Speaker—Dr. Helen Free .....	4
Update from the Social Coordinator .....	5
Local Section Innovative Project Grant .....	5
229 <sup>th</sup> ACS National Meeting, Councilor summary .....	6

## KACS WEBSITE:

<http://www.wmich.edu/acs/>

## A Message from the Chair-Elect

Michael Kiella

As we find ourselves winding into the last days of summer, we can't help but hold tightly to the warm days, the blue skies, and long daylight hours; we don't want it to change. We like our summer *just the way it is*. But change it will, and summer will soon segue into autumn. Change is upon us. Change is everywhere.

Your executive committee is also at a point of change. This issue of the *Kalchemist* contains a call for nominations to leadership positions within our Section. Member participation is the lifeblood of our Section, and we need your help! I'm asking you, whether in industry or academia, in Kalamazoo, Portage or surrounding areas, to consider this opportunity. Would you today, please ask of yourself first and a colleague second, to step forward and participate at a new level in your Society. I fondly recall Jed Fisher, past Section Chair, saying to me, "...I'm waiting for it to be your turn; I know that you will... *yes you can*." I repeat Jed's words to you, today, "*yes you can*."

The executive committee commitment is for two years. The Section will provide the appropriate training and contacts within the National organization by sending you to the Annual Local Section Leadership Conference. You will meet National program chairs and staff. More importantly, you will meet and network with other members just like yourself, who were recently elected to their Section leadership team. Guidance and mentorship will be provided.

In addition, the Section has a continued need for volunteers to support our many community activities. In the next several months, there are volunteer opportunities with the Chemistry Day at the Museum and the 5<sup>th</sup> Grade Science Fairs through the new ACS Innovative Grant Program.

The Kalamazoo Section of your Society has a strong tradition, a slate of activities and programs, and a history of participation. Ascendancy to Section leadership is your next step. Give me a call (833.9863) or drop me a line ([michael.i.kiella@pfizer.com](mailto:michael.i.kiella@pfizer.com)). Please come forward...you will be glad you did!

\*\*\*\*\*

### Call for Nominations for 2006

The KACS Executive Committee is requesting nominations for the following positions for terms starting in 2006:

Chair Elect  
Councilor  
Secretary

Please contact Michael Kiella (833-9863) or Kent Alleman (833-5396) with your nominations.



## Chemistry Day at the Museum

### Call for Volunteers

Saturday, October 15, 2005  
Noon to 4 pm

This event is sponsored by our local ACS section and the Kalamazoo Valley Museum and generally reaches more than 1000 members of our community.

The theme this year “The Joy of Toys” is a great opportunity for chemists (and non chemists!) to let folks know what we do.

If you are interested in volunteering for this event or would like more information, contact Sharon Barbour at [sharon.barbour@mpiresearch.com](mailto:sharon.barbour@mpiresearch.com) or 668-3336 Ext.1498, or Patrick Irish at [patrick.a.irish@pfizer.com](mailto:patrick.a.irish@pfizer.com) or 833-6818.

## **Fall ACS Tour Speaker**

**Dr. Helen M. Free**

**Kalamazoo Valley Community College, Texas township campus, Room 1510 (The Gallery)**

Our Fall Tour Speaker will be former ACS President Helen M. Free speaking on “The Many Faces of Careers in Chemistry.”

Many people have a wrong picture of "a chemist" at work. Elementary students draw an entirely different picture of a "chemist" before and after they have spent a short time at a career session or in a science museum or just talking to a scientist. And even those who are considering a career in chemistry often don't realize the awesome potential for a variety of careers based on a scientific degree. A series of examples of "what chemists do" will illustrate some of the fascinating choices available and give some insight into the life of one industrial chemist.

Dr. Free holds a bachelor's degree in Chemistry from the College of Wooster, a master's degree in management in the health care field from Central Michigan University, and honorary doctorates of science from both schools. She joined Miles Laboratories (now Bayer Healthcare) in 1944, and her career includes wide experience in laboratory work, management, growth and development, manufacturing, and marketing related to her main interests in the field of clinical chemistry and medical devices, and in management in the health care area. She holds several patents and has published over 200 papers. She has also held many elected positions in scientific societies, including president of the American Association for Clinical Chemistry in 1990 and president of the American Chemical Society in 1993. Among her national awards are: the ACS Garvan medal, the Hall of Excellence of the Ohio Foundation of Small Colleges, and the Kilby Foundation Award. She and her husband were married for 53 years when he died in 2000 (9 children). Together they were honored by Medical Economics Press and the Laboratory Public Service National Leadership Award. They were inducted into the Science and Engineering Hall of Fame and the National Inventors Hall of Fame for their work on the development of urinalysis reagent strips and self tests for blood glucose used worldwide by persons with diabetes.

**Update from the Social Coordinator**  
Jennifer Larese (833-0637, [Nildran@gmail.com](mailto:Nildran@gmail.com))

As the Social Coordinator for the Kalamazoo Section, I am hoping to plan events to bring together current members and also encourage new members to get involved. If you have any suggestions, please email me: [Nildran@gmail.com](mailto:Nildran@gmail.com). I have set up a Yahoo group: [ACS\\_social@yahoo.com](mailto:ACS_social@yahoo.com). The group is open to anyone interested in knowing about the social activities or has suggestions – feel free to join and submit your ideas! I hope to use the group to announce upcoming activities, in addition to the newsletter.

**Past Event: July 1, 2005: Art Hop in downtown Kalamazoo**

We had a good time at the Art Hop! We walked around to the various locations and even had time for dinner afterwards.

**Next Events:**

**August 23, 2005@6pm: Disc Golf at Robert Morris Park (off H Avenue)**

If you have not tried disc golfing or want to get out and play before the end of the summer, let's meet at Robert Morris Park at 6 pm.

\*\*\*\*\*

**Local Section ACS Innovative Project Grant:**

The Kalamazoo ACS Local Section has been awarded an Innovative Project Grant for \$3000 for use with 5th Grade Science Fairs. We will be partnering with Pfizer and K/RESA for this project. Pfizer has matched the \$3000 grant through the Pfizer Education Initiative project. K/RESA will be providing their support by soliciting the 5th grade Teachers (and their Principals), and will host the roll-out workshop. The roll-out workshop will be held on 01 November 2005 at K/RESA starting at 4 PM. K/RESA will be forwarding a flyer describing the program to the tri-county area (Kalamazoo, Allegan and Van Buren) 5th grade teachers in August.

**In order to make this program a success, we will be needing a lot of support from our KASC members!**

We are hoping to help 50 classrooms hold successful science fairs in the Spring of 2006. This means that we will need volunteers to visit the classrooms and assist the teachers throughout the school year. We would like to use this opportunity to promote chemistry awareness in the local school system.

If you are interested in participating in this educational program, please contact Monica Whitmire (833-3619 or the PEI email address: [alakazoo\\_alakasam@pfizer.com](mailto:alakazoo_alakasam@pfizer.com)).

Kind Regards,  
Monica Lee Whitmire

**SUMMARY OF GOVERNANCE ACTIONS/REPORTS**  
229<sup>TH</sup> ACS NATIONAL MEETING, SAN DIEGO, CA, MARCH 17, 2005  
Submitted by Kalamazoo Section Councilors Lydia Hines and Dean Cooke

**ACTIONS OF THE COUNCIL**

**Election Results**

- By written ballot the Council selected Catherine T. Hunt and John W. Kozarich as candidates for 2006 President-Elect. They join George E. Heinze, who was certified as a petition candidate for 2006 President-Elect.

**2006 Member Dues**

- The Council VOTED to set the member dues for 2006 at the fully escalated rate of \$127.

**Committee Review**

- As part of a regular review, the Council VOTED to continue the Committee on Project SEED. The Committee on Project SEED oversees the Society's summer educational experience program for disadvantaged youth.

**Proposal for a Committee on Ethics**

- The Committee on Committees presented to Council a proposal for establishing a Committee on Ethics as an Other Committee of the Council. The charge of this committee would be as follows: To coordinate the ethics-related activities of the Society, serve as an educational resource and clearinghouse, but not as an adjudication body, for ACS members seeking guidance on ethics issues; raise awareness of ethics issues through meeting programming and columns/editorials; review recognition opportunities for acknowledging ethical behavior; and to develop and oversee such other ethics-related activities as will serve ACS members and promote the Society's standards of ethical conduct within the profession of chemistry and its related disciplines. After defeating a motion to assign the proposed duties of the committee to the Committee on Economic and Professional Affairs, the Council VOTED to establish a Committee on Ethics as an Other Committee of the Council.

**Petition for Consideration**

- The Committee on Nominations and Elections withdrew a petition on election procedures. The committee plans to offer additional changes to the Society's election procedures and introduce a new petition at the fall national meeting.

**Special Discussion Item**

- A special discussion item was put on the Council agenda for this meeting. ACS President William F. Carroll presented an overview of Chemistry Enterprise 2015, posing the question, "Where will our students come from in the next ten years, and where will they go?" Councilors then participated in a lively discussion of this issue. The issue was framed as follows: Currently the U.S. has a strong university system and U.S. graduate education in science is widely recognized as the best in the world, but problems loom on the horizon. In addition, a variety of factors in the nation's academic infrastructure are likely to produce change in the training and careers of new chemists. The discussion at Council intensified awareness of this issue and possibilities for solutions.

**ACTIONS OF THE BOARD OF DIRECTORS**

**The Special Temporary Assessment**

- In December 2002, the Board of Directors enacted a special temporary assessment to cover the costs of increased funding for divisions and local sections, as stipulated in the Petition for Division and Local

Section Funding, which was subsequently approved by the ACS Council, Board, and membership in March 2003. The Board accepted the temporary assessment with the understanding that it would be reviewed each year to determine whether it could be reduced. The Board reviewed the temporary assessment for 2006 and, in light of the Society's strong financial performance, VOTED to reduce it to \$5, rather than proceeding with the scheduled \$6 assessment.

### **The Society's Current Finances and Financial Future**

- The Committee on Budget and Finance reported that the Society ended 2004 with a net contribution from operations of \$5,099,000 on revenues of \$419,200,000 and expenses of \$414,700,000. This was \$3,628,000 favorable to the approved budget. After including the results of the Belmont Conference Center, recorded as a discontinued operation, and the Member Insurance Program, the Society's overall net contribution for 2004 was \$4,465,000, which was \$3,229,000 favorable to the approved budget.

### **The Board's Committees and Task Forces**

- The ACS/AIChE governance-to-governance task force and the ACS/AIChE Joint Membership task force have concluded formal discussions and have agreed on several points. At this meeting, the Board VOTED to discharge both task forces with thanks.

### **The Society's Staff**

- The Board received a report from the Executive Director/CEO and several of her direct reports on the status of the Society's website project, special issues associated with Chemical Abstracts Service and the Publications Divisions, the Green Chemistry Institute, and the activities of the General Counsel. The Board also reviewed and approved several recommendations from the Committee on Executive Compensation relative to compensation for the Society's executive staff. The compensation of the Society's executive staff receives regular review from the Board.

### **ACS Governance Review**

- The Board of Directors VOTED to support the creation of a Joint Board-Council Policy Committee Task Force on Governance Review with the charge to conduct a review of the Society's governance structure and Constitution and Bylaws to ensure that the Society has a governing framework to enable it to best fulfill its mission, meet member needs, and remain a world-class organization.

### **ACS President Carroll**

- William Carroll alerted the Council to the announcement of "Chemistry Teacher Connections", a new online program that provides high school teachers with priority access to high school tools on the ACS website and web based versions of the High School materials found each month in J. Chem. Ed.

### **ACS President-Elect Nalley**

- Ann Nalley outlined the three major thrusts of her presidential year. One: To spotlight the thousands of volunteers who have helped build the Society. Two: To communicate to the general public the value of basic and applied research and the relationship between the two. Three: To emphasize the role that undergraduate research plays in developing future scientists.

### **ACS Past-President Casey**

- Charles Casey reported on a symposium he attended on "Are Chemical Journals Too Expensive and Inaccessible". The symposium addressed the problem of the very high and rapidly increasing prices of commercial science journals that are threatening the ability of libraries to maintain their access to the scientific literature. One group asks for immediate free access to articles on the internet. Casey argues for reasonably priced electronic journals from scientific societies like ACS.



# 2005 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

- 
- August 4            **KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-5396)**
- August 8            **Project SEED Reception, WMU Haenicke Hall Atrium, 5:00pm (Don Schreiber, 387-2856)**
- August 23           **Disc Golf Outing, Robert Morris Park (off H Avenue), 6:00pm (Jennifer Larese, 833-0637)**
- September 1        **KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-5396)**
- September 21      **Fall Tour Speaker: Dr. Hellen M. Free, "The Many Faces of Careers in Chemistry", KVCC, Texas township, Room 1510, (Kent Alleman, 833-5396)**
- October 15          **Chemistry Day at the Museum, Kalamazoo Valley Museum, Noon to 4:00pm (Sharon Barbour, 668.3336 ext.1498)**
- 

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**KACS Website Address:**            <http://www.wmich.edu/acs/>



# KALCHEMIST NEWS

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## October - November, 2005



### Message from the Chair Kent S. Alleman

The fall season is upon us and with it comes cooler temperatures and the changing of the leaves. Autumn also brings to mind our **annual officers election**—this year's ballot is enclosed. Please take a moment to read the candidate biographies and **cast your vote!** At this time we do not have a candidate for chair-elect. Please note that there has not been a candidate nominated for the office of Chair-elect, this office will be elected by write-in ballots. Please consider your write-in candidate carefully.

It is also time for National Chemistry week and **Chemistry Day at the Museum on October 15**. It is not too late to volunteer, we can always use extra bodies, minds, and hands at our biggest outreach event of the year. Please contact Sharon Barbour or Patrick Irish if you would like to participate. The theme for this year is "The Joy of Toys." This will be the first time in recent history that we are not holding Chemistry Day at the Museum on the same date as the Holiday parade. Instead we decided to have our outreach event coincide with National Chemistry Week.

The section recently hosted Dr. Helen Free, our fall tour speaker. She spoke on the topic of "Careers in Chemistry." Approximately 25 people attended, mostly students. I would like to thank Dr. Free for filling in at the last minute as our scheduled speaker was unable to make it this year.

Kent

### In this issue:

	Page
2006 Ballot .....	2
Candidate Biographies .....	3
SEED Program Update.....	4-5
Chemistry Day at the Museum.....	5
Women's Chemist Committee Report.....	6
"Science is Fun" Update.....	7
Upcoming Events Calendar.....	8

### KACS WEBSITE:

<http://www.wmich.edu/acs/>

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# Election of the KACS 2006 Officers

Below you will find a ballot for the election of officers of the Kalamazoo Section of the American Chemical Society for 2006. The offices to be filled are Chair-elect, Secretary, and Councilor. The Chair-elect is elected for one year (the following year becoming the Chair). The Secretary is elected for a two year term, and the Councilor is elected for a term of three years. All officers shall take office on January 1 of the year following the election and the Chair-elect for 2005, Michael Kiella, will become Chair for 2006.

Please note that with no nominated candidate for the office of Chair-elect, this office will be elected by write-in ballots. Please consider your write-in candidate carefully.

**Complete your ballot. Enclose the ballot in a blank envelope and seal it.  
Place the blank envelope containing the completed ballot in a second envelope.  
Write your name and signature on the outside of the second envelope.  
Address the second envelope to:**

*Dr. Kent Alleman  
c/o Pfizer Inc  
7000 Portage Rd.  
PORT-259-1  
Kalamazoo, MI 49001*

OR

*Michael Kiella  
c/o Pfizer Inc  
7000 Portage Rd.  
PORT-604-1  
Kalamazoo, MI 49001*

**All ballots must be received by 5 pm on November 20, 2006 in order to be tallied.** The KACS bylaws allow for counting only those ballots which are received sealed in an unmarked envelope which in turn is enclosed in another envelope with your *signature* on it. Thank you for your prompt response.

---

## 2006 Election Ballot

### Chair-Elect

(Write in candidate)

\_\_\_\_\_  
 \_\_\_\_\_

### Councilor

Lydia Hines  
 \_\_\_\_\_

### Secretary

Amy St. Charles  
 \_\_\_\_\_

# Candidate Biographies

## Chair elect:

Write-in candidate

## Councilor:

### Lydia E. M. Hines

B.S., Aurora College, 1967; Ph.D., Univ. of Illinois, 1971 Member of the ACS since 1968. Active in KACS since 1975. Councilor for KACS since 1984; Chairman of KACS 1981; Public Relations committee chair, 1986-2001; Nat. Chem Week Coordinator and Museum Chem Day coordinator, 1987-2000; Prehigh school Science Education Coordinator, 1988-2000; Awards Committee, 1992-2005.

Service on National ACS committees: Committee on Community Activities, 2004-2005; Committee on Committees, 1999-2004; Committee on Nominations and Elections, 1993-1998, sec'y, 1995; Committee on Copyrights, 1985-93, chairman 1990-1992; Women Chemists Committee, 1982-1987, editor of Women Chemists, 1985-1987.

Currently am part-time instructor of beginning College Chemistry at Kalamazoo Valley Community College.

I am pleased to serve our membership through my activities on the ACS Council. National knows the Kalamazoo Section!

## Secretary:

### Amy St. Charles

I graduated from Michigan State University Honor's College and Lyman Briggs School of Natural Science in 2000 with a BS in Biochemistry. While at MSU, I had the opportunity to spend two years, working with Dr. Jay Goodman, researching the effects of methylation on tumor suppression. Upon graduation, I accepted a position with Pharmacia in the Specialty Products Quality Control Laboratory, where I worked for just over four years. I am currently employed in the Analytical Method Technical Transfer group at Pfizer's Kalamazoo site. Additionally, I am currently working towards earning a MS in Quality Assurance and Regulatory Affairs from Temple University. I joined the ACS in early 2005, after volunteering to help out at the Boy Scout Merit Badge Day.

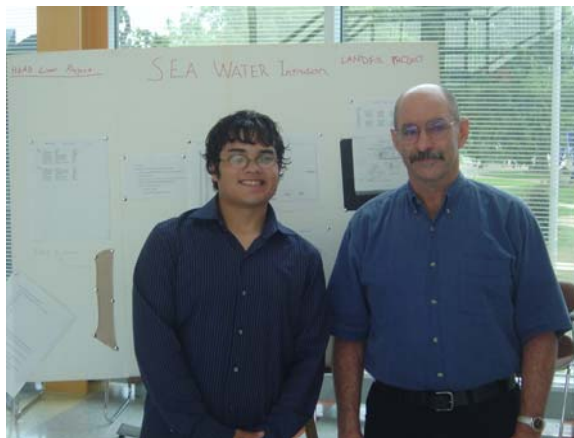
## High School Students Spend their Summer Working in the Laboratory

Last summer three area high school students spent their summer in the WMU's Chemistry Department participating in the ACS's Project SEED (Summer Educational Experience for the Disadvantaged) Program. Project SEED is part of the American Chemical Society's (ACS) commitment to the development of a scientific work force that is more broadly representative of the American population. The program was established in 1968 by the ACS to help expand the career outlook of high school students from families defined as economically disadvantaged by federal poverty guidelines. Students are paid a stipend for working in a chemistry related laboratory. The local program has been sponsored by the Kalamazoo Section of the ACS on a grant from the National Society for the last eleven years. During this time about fifty high school students have been placed in academic and industrial laboratories in Kalamazoo and the surrounding area.

To qualify the students must have completed their sophomore year in good academic standing, have taken at least one course in chemistry and be recommended by their chemistry teacher or other school official. Students are selected based on their qualifications and letters of recommendation. This past summer the program kicked off in early June, and went first week in August.



**Amber Abbott, with Dr. Mark Perovic**



**Brendan Sanchez, with Dr. Michael Barcelona**

We had two new students join the program Amber Abbott, from Bloomingdale High School and Brendan Sanchez from Hackett Central Catholic High School. Amber worked in Dr. Perkovic's lab on an alternative fuel project, while Brendan worked in Dr. Barcelona's lab on seawater intrusion in freshwater aquifers.



**Andrey Malyutin (second from left) with colleagues from Dr. Murali's Group**

Students are allowed to spend two years in the program and there were two returning students, Andrey Malyutin and Ebony Willhite, both from Kalamazoo Central High School. Andrey continued his work with Dr. Murali's group on ZnS nanoparticles, where he not only worked last summer but also spent his senior year working after school and on weekends.

Ebony (not pictured) returned to Dr. Huffman's lab to continue her work on cloning Wilson's disease protein multi-domains 4-6.

Matching funds for the SEED Program grant have come from a number of local donors over the years, including most recently, Kalsec Inc. and Pfizer Inc. Companies or individuals interested in donating to or who want more information about the local Project SEED Program should contact:

Dr. Donald Schreiber  
Chemistry Department  
Western Michigan University  
1903 West Michigan Ave.  
Kalamazoo, MI 49008  
Tel: (269) 387-2856  
FAX: (269) 387-2909  
Email [schreiber@wmich.edu](mailto:schreiber@wmich.edu)



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## Annual Chemistry Day at the Kalamazoo Valley Museum Saturday, October 15 Noon to 4 pm

This event is co-sponsored by the Kalamazoo section of the American Chemical Society and the Kalamazoo Valley Museum, and generally reaches more than 1000 members of our community. The theme this year is “The Joy of Toys”. Please join us for a fun afternoon!

# News from the Women Chemists Committee of the KACS

10/10/05 by Sheryl Loux

## Election Results for the WCC Steering Committee

There were two openings for three-year WCC Steering Committee member terms spanning 2005, 2006, and 2007 that were filled this Spring. Congratulations to Dr. Kimberly Greve and Sheryl J. Loux for their election to the WCC Steering Committee.

## Other Committee News!

A general membership enjoyable lunch meeting of the Women Chemists Committee was held this Spring (April 27<sup>th</sup>) to introduce the nominees for the Steering Committee election, conduct committee business, and socialize. The 2006 Girl Scout Chemistry Badge possible dates were discussed.

## The KACS WCC Steering Committee

Sheryl J. Loux ('07)  
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Western Michigan University  
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## Join the WCC—new members are welcome!

Any Kalamazoo Section member may join. Just email Sheryl J. Loux at [sjloux@medscape.com](mailto:sjloux@medscape.com). Currently our goals include conducting the Girl Scout Chemistry Badge every other year, writing experiments for the Glowing Embers Handbook of Badges, and sponsoring speakers.

# Science is Fun!



The Kalamazoo Section of the  
American Chemical Society



Kalamazoo  
RESA

Instructional Center

**Are proud to bring you...**

## **5<sup>th</sup> Grade Science Fairs - Volunteers Needed!**

**Program Description:** The Kalamazoo local section of the American Chemical Society (KACS), the Pfizer Education Initiative (PEI), and Kalamazoo Regional Educational Service Agency (K/RESA) Instructional Center are joining forces for the first time to cooperatively sponsor a program designed to promote an appreciation of scientific principles and methods in a fun and exciting setting: 5<sup>th</sup> grade science fairs. Science fairs can be a key tool for developing and encouraging a student's interest in chemistry, math and science at an early age. By being a component of a school's curriculum all students will gain the following: critical thinking skills, how to formulate a hypothesis, design an experiment, make observations, record and manage data, summarize their findings, and present their work in an organized format. The Science is Fun! Program will specifically utilize chemistry experiments, identify several interesting chemistry Internet resources, and provide funds to help offset the expenses.

**Purpose:** The purpose of this program is to encourage student's interest in chemistry through use of the scientific method. It is also to provide financial support to encourage science activities in our community.

**Event: 2005-2006 School Year:** On 01 November 2005, personnel from KACS, PEI and K/RESA will present a workshop to introduce the program and provide teachers with science fair logistics, basic science principles, and poster composition. Other topics will include basic laboratory safety and an introduction to statistical analysis of data. The 5<sup>th</sup> grade science fairs will be held at each participating school in late winter or early spring 2006. The program will provide participation certificates and/or ribbons for each child participant. Projects will not need to be rated or ranked.

**Program Impact:** The hands-on approach of science fairs allows children to creatively apply the use of scientific methods, critical thinking skills, planning, and presentation in a format that is motivating and educational.

**Take Home Materials:** Each workshop participant will receive a full set of tutorial handouts, science fair topic sheets and a complete science fair demonstrator kit (one per school please).

**Potential Student Supplies:** Each student *can* receive (at no cost) a poster board, a participation certificate and ribbon, and a commemorative pencil.

**Future Support:** A KACS and/or PEI representative will provide on site mentoring, at least one time during the 2005-2006 school year, and will be present at the final 5<sup>th</sup> Grade Science Fair to provide positive comments on each student's poster, and to present each student with their certificate and/or ribbon.





## 2005-6 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

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- |            |   |
|------------|---|
| October 6  | KACS Executive Committee Meeting, Open to all Members, Kraftbrau, 5:00pm<br>(Kent Alleman, 833-5396)        |
| October 15 | Chemistry Day at the Museum, Kalamazoo Valley Museum, Noon to 4:00pm<br>(Sharon Barbour, 668.3336 ext.1498) |
| November 3 | KACS Executive Committee Meeting, Open to all Members, Kraftbrau, 5:00pm<br>(Kent Alleman, 833-5396)        |
| December 1 | KACS Executive Committee Meeting, Open to all Members, Kraftbrau, 5:00pm<br>(Kent Alleman, 833-5396)        |
| January 5  | KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR,<br>5:00pm (Mike Kiella, 833-9863)    |
| February 2 | KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR,<br>5:00pm (Kent Alleman, 833-9863)   |
- 

KACS  
c/o Benjamin Maxey  
Pfizer  
Mail Stop PORT-89-1  
7000 Portage Road  
Kalamazoo, MI 49001-0199

Please contact Benjamin Maxey at [benjamin.s.maxey@pfizer.com](mailto:benjamin.s.maxey@pfizer.com) if you prefer to receive your newsletter by email.

**KACS Website Address:** <http://www.wmich.edu/acs/>



# KALCHEMIST NEWS

## Chair:

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## Chair-Elect:

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## Secretary:

Dr. Joan Esson (2005)  
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[j.esson@kzoo.edu](mailto:j.esson@kzoo.edu)

## Treasurer:

Mr. Shawn P. Hawk (2006)  
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## Past-Chair:

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*December 2005 - January 2006*



## Message from the Chair

Kent S. Alleman

As 2005 has come to a close, so does my time as chairman for our local section. I have enjoyed serving as the section chair very much during the year, and I have learned a lot about the local section. Unfortunately, I will be leaving the Kalamazoo area in the near future and with it many friends and fond memories. At the same time, I am happy to be "passing the baton" to my friend and colleague Mike Kiella. I know the section will do well under his leadership. I would like to thank our councilors Dean Cooke and Lydia Hines for the guidance and wisdom they have shared during our monthly meetings.

Please take a moment to review the election results below and congratulate our new officers. It will be through their hard work that the future of our section will be determined. Fortunately, you can help them by volunteering to help with section activities throughout the year. Your section needs your help now more than ever since our membership has been declining. There will be ample opportunities to participate in 2006--Girl Scout Chemistry Merit Badge Day, Reading in the Park, 5th Grade Science Fairs, and of course Chemistry Day at the Museum.

Thank you for allowing me to serve as your chair and have a wonderful holiday season.

Kent

## In this issue:

	Page
Election results (Mike) .....	2
ACS Innovation Projects Grant Announcement .....	2
Tutoring Opportunity .....	3
ACS National Meeting Summary.....	4-5
2006 KACS Calendar .....	6

## KACS WEBSITE:

<http://www.wmich.edu/acs/>

## 2005 Election Results

The 2005 Section Elections are completed and it gives me great pleasure to inform you of the outcome.

The Section has elected:

Monica Whitmire, Chair-Elect

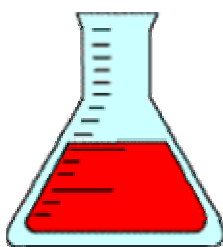
Amy St. Charles, Secretary

Lydia Hines, Councilor

Please help me congratulate Monica, Amy, and Lydia for their initiative and willingness to lead the Section.

Mike Kiella

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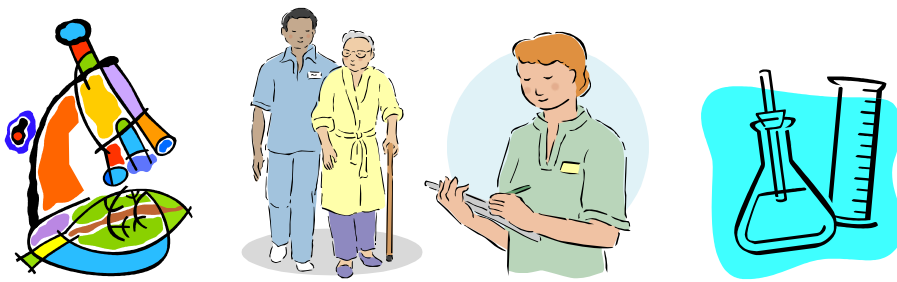
### Innovators Needed

The deadline for the ACS Innovation Projects Grant is fast approaching. The Innovation Grant was established to encourage local sections and members to seek out new and inventive ways to bring chemistry to the community. The grant provides \$3000 dollars, if approved. The Kalamazoo Section would like to find someone with a great idea that promotes chemistry to the community. In 2005, the Kalamazoo Section has used the Innovation Grant to fund a series of science fairs in the public schools Kalamazoo, Allegan, and Van Buren counties. The grant proposal included over thirty-two schools and provided participating teachers with instruction and the students with supplies to complete a science fair project. The deadline for the 2006 program is March 1st, 2006.

If you would like more information on the Innovative Grant Program, please go to [www.chemistry.org](http://www.chemistry.org), click on the tab at the top for "ACS Members", scroll to "Local Sections", click on "Welcome to Local Sections", and look under the "Improve your Finances" section for ACS Innovative Projects Grant.

If you feel you have an **"innovative"** idea, please contact Shawn Hawk at [shawn.p.hawk@pfizer.com](mailto:shawn.p.hawk@pfizer.com) or 269-833-8924.

**WANT TO HELP A STUDENT BE SUCCESSFUL??**



**PRE-NURSING STUDENTS ARE ATTENDING COLLEGE CLASSES IN ALLEGAN, MICHIGAN THROUGH A PARTNERSHIP GRANT BETWEEN ALLEGAN GENERAL HOSPITAL, KALAMAZOO VALLEY COMMUNITY COLLEGE AND ALLEGAN COUNTY INTERMEDIATE SCHOOL DISTRICT**

**NEEDED:** TUTORS (\$22 PER HOUR) TO ASSIST STUDENTS ON A DROP-IN BASIS

**SUBJECTS:** MICROBIOLOGY; CELLULAR BIOLOGY; CHEMISTRY FUNDAMENTALS; ANATOMY & PHYSIOLOGY

**WHERE:** TECHNICAL AND EDUCATION CENTER  
2891 116<sup>TH</sup> AVE (M-222)  
ALLEGAN, MICHIGAN

**WHEN:** DAYS, EVENINGS, SATURDAY MORNINGS,  
FULL SCHEDULE AVAILABLE ON REQUEST

**FORMAT:** STUDY GROUPS, INDIVIDUAL ASSISTANCE,  
COMPUTERIZED REVIEW AND INSTRUCTION

For further information contact:

Carol Browne Ph.D., Academic Program Coordinator  
Michigan Works Service Center  
269-686-5079 (Ext. 3886) or 1-888-520-0445

Grace Gant, Coordinator  
Center for Health Care Careers  
Kalamazoo Valley Community College  
269-373-7859

**SUMMARY OF GOVERNANCE ACTIONS/REPORTS**  
**230<sup>TH</sup> AMERICAN CHEMICAL SOCIETY NATIONAL MEETING, WASHINGTON, DC**  
**AUGUST 28-SEPTEMBER 1, 2005**

**ACTIONS OF THE COUNCIL**

**Election Results**

- The Council elected councilors for membership on the following council committees for the 2006-2008 term:
- the Committee on Committees
- the Council Policy Committee
- the Committee on Nominations and Elections

**Candidates for President-Elect and Board of Directors**

- The candidates for the fall 2005 ACS national election were announced as follows:

**President-Elect 2006**

George E. Heinze, Rockland Technimed, Ltd, New York  
Catherine T. Hunt, Rohm and Haas Company, Pennsylvania

**Directors-at-Large – 2006-2008**

James D. Burke, Retired, Rohm and Haas Company, Pennsylvania  
Edwin A. Chandross, MaterialsChemistry, LLC, New Jersey  
C. Gordon McCarty, Retired, Bayer Corporation; Adjunct Professor  
University of South Carolina  
Frankie K. Wood-Black, Conoco Phillips, Texas

**Petition Withdrawn**

- The Committee on Nominations and Elections withdrew its petition on election procedures. This action was to allow the committee to discuss further the issues raised by the Committee on Constitution and Bylaws and to solicit additional input from councilors and other members.

**Section Action**

- On the recommendation of the Local Section Activities Committee, the Council approved a petition for change in section territory for the Central New Mexico Local Section. The annexation is intended to improve services to the ACS members in northern New Mexico.

**Constitution and Bylaws**

- On the recommendation of the Committee on Constitution and Bylaws, the Council approved revised charter bylaws for new local sections and for international chemical sciences chapters.

**Special Discussion Item**

- A special discussion item was again put on the Council agenda for this meeting. ACS President William F. Carroll described the process being used to develop a Society vision hypothesis that is to be tested with members, customers, governance and other interested parties. Dr. Carroll described the methods used to get member input at the national meeting. ACS national meeting attendees reported 15 common themes to be considered as important to the Society's future. Dr. Carroll sought Council input on the most frequent themes: diversity, young people, governance, multidisciplinary, globalization and outreach. Councilors then engaged in a thoughtful, yet lively exchange of their vision of the Society's long-term future.

**ACTIONS OF THE BOARD OF DIRECTORS**

**The Board's Committees and Task Forces**

- The Board, through its Committee on Grants and Award, approved the following: nominees for both the 2006 Perkin and Othmer Gold Medals; actions relative to pilot programs of the Petroleum Research Fund; continuation of the Fund's 1% distribution to the Green Chemistry Institute; and approval of a new national award, the ACS Award for Achievement in Research for the Teaching and Learning of Chemistry, sponsored by Prentice Hall Publishers.
- On the recommendation of the Board Committee on Public Affairs and Public Relations, the Board voted to designate the development of Rumford Baking Powder as a national historic chemical landmark.
- The Board approved actions resulting from the Member Satisfaction Survey, and from the Board-Presidential Task Force on Multidisciplinary as prioritized by the Committee on Professional and Member Relations (P&MR). The Board also authorized P&MR to develop, or ensure the development of action plans for implementation of the task force recommendations in coordination with other appropriate Society entities.

- The Board also received a status report on the activities of the Joint Board-Council Policy Committee Task Force on Governance Review. This task force is charged with conducting a review of the Society's governance structure and Constitution and Bylaws to ensure that the Society has a governing framework to enable it to best fulfill its mission, meet member needs, and remain a world-class organization.

#### **The Society's Promotion of Diversity**

- The Board received reports from both the Committee on Professional Training (CPT) and the Committee on Minority Affairs (CMA). CPT briefed the Board on recent training workshops relative to historically black colleges and universities and other African American-serving institutions; and CMA overviewed activities of the ACS Scholars Program. The Board voted to continue the Scholars Program through 2010.

#### **The Society's Staff**

- The Board received a report from the Executive Director/CEO and several of her direct reports on the activities of the Publications Division, Chemical Abstracts Service and the Society's General Counsel. The Board also reviewed and approved recommendations from the Committee on Executive Compensation on compensation for the Society's executive staff. The compensation of the Society's executive staff receives regular review from the Board.

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

- The Board, through the Committee on Budget and Finance, voted to include requests for funding of the following programs in the development of the Society's 2006 proposed budget:
  - A two-year pilot program for ACS High School Chemistry Clubs
  - ACS activities in connection with the International Science and Engineering Fair
  - A Leadership Development Program that delivers a pool of capable, effective and motivated leaders for volunteer roles throughout the Society
  - Reauthorization of, and continued funding for the Green Chemistry Institute
  - A complete reinvention of the Society's Web Presence

#### **ACS President Carroll**

- William Carroll discussed the three agenda items of his presidential year. These were Public Perception, Secondary Education and the future of the chemical enterprise. At the Spring meeting he announced the inception of "Chemistry Teacher Connections", a new online program that provides high school teachers with priority access to high school tools on the ACS website. At his meeting he concentrated on Chemical Enterprise in 2015.

#### **ACS President-Elect Nalley**

- Ann Nalley outlined the theme of her presidential year: Ensuring the Future. The theme for the spring meeting will be "Enabling Innovation" while the fall meeting will revolve around Collaborations". Three other areas are the "Public Image of the Chemist", "Recognition of Volunteer Service", and Involvement of High School Teachers in the ACS".

#### **ACS Past-President Casey**

- Charles Casey stressed the importance of stressing "Basic Chemistry" in obtaining support from the federal government. He strongly supported our Legislative Action Network. He outlined the success of the Academic Employment Initiative which has grown from 120 posters last year to 170 this year.

#### **Registration Report and 2006 National Meeting Registration Fee**

- As of August 30, 2005, the ACS fall national meeting had attracted 13,040 registrants as follows: Regular attendees 7,584; Students 2,715; Guests 478; Exhibit Only 468; and Exhibitors 1,795. The 2006 national meeting registration fee of \$305 was announced.

#### **Membership Statistics**

- The Council was informed that as of July 31, 2005, total ACS membership was 155,567. This is an increase of 282 over the end of July 2004.

*Report submitted by Kalamazoo Section Councilors Lydia Hines and Dean Cooke*



# 2006 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

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- |             |  |
|-------------|--|
| January 12  | KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR, 5:00pm (Mike Kiella, 833-9863)  |
| February 2  | KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-9863) |
| March 2     | KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-9863) |
| March/April | Girl Scout Chemistry Patch Day, WMU (Sheryl Loux, 343-4737)  |
| April 6     | KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-9863) |
| May 4       | KACS Executive Committee Meeting, Open to all Members, Pfizer B126 CR, 5:00pm (Kent Alleman, 833-9863) |
- 

KACS  
c/o Benjamin Maxey  
Pfizer  
Mail Stop PORT-89-1  
7000 Portage Road  
Kalamazoo, MI 49001-0199

Please contact Benjamin Maxey at [benjamin.s.maxey@pfizer.com](mailto:benjamin.s.maxey@pfizer.com) if you prefer to receive your newsletter by email.

KACS Website Address: <http://www.wmich.edu/acs/>