

KALCHEMIST NEWS

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February-March, 2006



Message from the Chair

Michael Kiella

I'd like to thank the Section for allowing me to chair the Executive Committee for this year; and for the mentoring provided by those who came before me, it is an opportunity that brings me great pride. I look back more than 16 years to the moment when John Stodola (EC Chair '99) invited me to complete an American Chemical Society membership application. I remember him telling me about the benefits of belonging to the ACS, while handing me an application with my name already inked in, his signature of sponsorship already at the bottom. Take a moment now to look around and identify the potential new members; invite them to join. When we continue, we continue...and you can quote me on that.

Program Maintenance and Budget Control Will Be Our Focus

We are in the process of finalizing the 2005 annual report to the ACS National Office. One part of the report asks us to outline our goals for 2006. We find ourselves adjusting to membership reduction as a direct result of significant changes in our industrial base. Changes in membership, translates into changes in budget and program participation. It will be our 2006 mission to understand the changes in membership and identify volunteers to step in and help with Section Programs. **We need your help to fill the volunteer roles vacated by departing members.** More later.

Our Section income is directly tied to membership; and while we enter 2006 in sound financial condition, we are experiencing a delay in understanding our current headcount. Departing members are beginning to notify the ACS National office of their new Section affiliations. While a time lag is expected, it will probably take this fiscal year for the process to complete. We anticipate that our membership rolls will experience a significant downward adjustment in the next year. In response to this uncertainty, we will approach the 2006 budget and programmatic spending carefully, deliberately.

We are committed to staying the course...and bring our programs forward. We look forward to another year of member services and bringing Chemistry into our communities. Another successful year awaits us....

Michael

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KACS WEBSITE:

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

News from the Women Chemists Committee of the KACS

by Sheryl Loux

GIRL SCOUT CHEMISTRY MERIT BADGE DATE SET ***Volunteers Needed—No experience necessary!***

(Contact a steering committee member to volunteer)

9 AM to 3 PM, Saturday, March 25, 2006 for 100 Girls Scouts at WMU.

Volunteers can be scheduled to work for half or whole day.

All the experiments plus answers and explanation can be obtained in advance by email and are available for your use during the experimental labs. The average age of the Scouts is 11 years. The laboratory will be lead by an experienced demonstrator. No chemistry background is required for the volunteers. The Girl Scouts provide pizza and drink for Volunteers and Scouts.

General Membership Meeting in the Planning Stages

The Executive Committee has endorsed a request to change the Spring Tour Speaker activity and sponsor an early summer reading of papers and social. This RSVP event is proposed to feature a large outdoor venue where members can mingle; enjoy finger food and beverages; under sunny skies and warm temperatures. Planning for the event is now underway. Please contact any member of the EC with your suggestions for the day.

Details of the event will follow in the April-May edition of the Kalchemist News.

Nominations Sought for Women Chemists Committee STEERING COMMITTEE

The Steering Committee is composed of up to 5 WCC members. Steering Committee members have staggered 3-year terms (expiration year of term in parenthesis). Currently 2 of 5 positions on the steering committee expired at 2005 year end. Please consider nominating yourself. Nominations will close by March 31, 2006 and elections will be held by the middle of April 2006.

The KACS WCC Steering Committee

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Join the WCC—new members are welcome!

Any Kalamazoo Section member may join. Just email Sheryl J. Loux at Sheryl.Loux@mpiresearch.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.



2006 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

-
- March 2 KACS Executive Committee Meeting, Open to all Members, 5:00pm (Mike Kiella, 833-9863)
- March 25 Girl Scout Chemistry Patch Day, WMU (Sheryl Loux, 343-4737)
- April 6 KACS Executive Committee Meeting, Open to all Members, 5:00pm (Mike Kiella, 833-9863)
- May 4 KACS Executive Committee Meeting, Open to all Members, 5:00pm (Mike Kiella, 833-9863)
- May 22 Annual Awards Banquet, WMU (Don Schreiber, 387-2856)
- June 1 KACS Executive Committee Meeting, Open to all Members, 5:00pm (Mike Kiella, 833-9863)
-

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c/o Benjamin Maxey
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Please contact Benjamin Maxey at 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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June - July, 2006



Message from the Chair

Michael Kiella

Crossing the Half-way Point

June finds us at the halfway point of the Section's year. While we recently dealt with the tragedy of Shawn Hawk's death, we can also recount the successful continuation of many programs and projects...accomplishments of the year. In preparing this note to you, I looked back to December of last year and see the many events the Section has sponsored; all of which come from the dedication and passion of the members. I want to thank everyone who has either led or participated in the success of the Section's mission of not only bringing these programs forward, but also, making them a success. Well done. You'll remember in my first message to you that one of our goals this year is to maintain programmatic direction and stability in the face of changing membership. By my estimation here at the half-way point, we are well on our way to accomplishing that goal.

Interim Treasurer

Dr. John Miller, Associate Professor of Chemistry at Western Michigan University came forward in May to complete Shawn Hawk's term as Treasurer to the Executive Committee. John's support arrives at a very critical time for the Section; both with respect to activities support and providing stability in this key EC role. Our second objective for the year is to assure financial stability to our organization. At this time we are on track and on-budget. Thank-you John... and welcome on-board. John's contact information has been added to the Masthead at your left; please thank him at your earliest opportunity.

Summer Picnic

Inside this edition you will find the details of our Section's summer picnic. It is scheduled for Saturday, August 12. Our Social Coordinator, Jennifer Larese is hard at work assembling a team to bring this event to you. Please look inside...and mark you calendars today!

More later.....Michael.

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KACS WEBSITE:

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

Monica Whitmire, Chair-Elect, Biography

Monica was born, raised and educated in the state of Wyoming and grew up just south of Yellowstone National Park. She worked her way through college in the University of Wyoming's Immunology laboratory during the school year and as a restaurant cook during term breaks. She obtained her degrees from the University of Wyoming in Laramie Wyoming: BS in Microbiology, BS in Medical Technology (ACSP certified and registered) and MS in Microbiology. She came to West Michigan in 1988 to work in the Biotechnology unit of the Upjohn Company. She has also worked in high throughput screening and separation science for Pharmacia and Upjohn, Pharmacia and Pfizer. Monica is happily married to Ron Whitmire and they have a Scottish Terrier named Duncan who is their "son". Outreach activities are at the core of Monica's hobbies which also include reading, hiking and traveling.

Party in the Park

May 31, a slightly overcast Wednesday in Kalamazoo, a "sea" of preschoolers, their parents/caregivers, and approximately 70 reader-volunteers from the community had a great hour (10-11 a.m.) individually reading to groups of 5-10 children at a time. The stories were short and engaging (from books supplied by the Kalamazoo Public Library) the faces eager, the enthusiasm high - a fun way to get our Section and our Society visible as a good community citizen. Join us in May of 2007 for this Stand for Children Day! Call Lydia at 375-7349 if you care to spend an hour with someone else's children. Six KACS volunteers participated:

Wally Hines, Lydia Hines, Edith Hines, Jennifer Larese, Amy St. Charles and Monica Whitmire.

Call for National Chemistry Week (NCW) volunteers:

"Chemistry in the Home" is the theme of NCW 2006. Our outreach to the community will be held at the Kalamazoo Valley Museum (KVM) on Saturday, October 14, 2006, from Noon to 4 p.m. With the thought that the "home" is anywhere you are, the KVM has arranged to have an astronaut on the premises during our celebration.

Approximately 1000 children come through the doors of the KVM on a typical Chemistry Day at the Museum - they are always eager to try their hand at each activity and WE HAVE HAD AT LEAST TWO YOUNG PEOPLE CHOOSE TO STUDY CHEMISTRY BECAUSE OF OUR WORK in this venue!!

As every other year WE NEED YOU TO VOLUNTEER your time and expertise for this event. At a loss for an activity to take charge of, or to help with? Don't be. Please contact Jennifer Larese (269-833-0637, jennifer.a.larese@pfizer.com) or Amy St.Charles (269-833-7148, amy.m.stcharles@pfizer.com) to volunteer. We look forward to hearing from you.

Update from the Social Coordinator

Jennifer Larese (833-0637, Jennifer.A.Larese@pfizer.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 or Jennifer.A.Larese@pfizer.com.

Next Event:

August 12, 2006 KACS Family Picnic

- **When:** 11 AM - 2 PM
- **Where:** The Upjohn Park; located off of Portage Road (eastern side), between Romence and Center Streets
- **Menu:** Hot Dogs, Hamburgers, Sodas, Water, Chips, Salads, Vegetable Tray, Condiments
- **Please RSVP** by July 28th to Jennifer Larese (269-833-0637, jennifer.a.larese@pfizer.com)



Call for Nominations

As we enter the second half of the year, now is the time to bring forward the call for nominations for the 2007 slate of officers. The following offices will have vacancies

Chair-elect

Treasurer

Alternate Councilor

Newsletter Editor

The Chair-elect position is a three year commitment that will begin in January of 2007. The one-year duties at Chair-elect are to assist the Executive Committee (EC) especially by become familiar with the functions of the EC as it brings forward the local programs and coordinates with the National organization. This requires attendance at eleven monthly EC meetings; and to preside at EC meetings when the Chair is unavailable. Ascension to the role of Chair of the EC in January of 2008 is an expectation of the Chair -elect position. The Section will sponsor travel for a weekend meeting called the Local Section Leadership Conference (usually in the Washington D.C. - Baltimore area) in January of 2007. This meeting is designed to provide a platform for Chair-elects, nationwide, to come together and become familiar with the expectations of the role. Previous attendees have raved the meeting as a useful indoctrination into the role of the Chair-elect position. The commitment completes during the 2009 fiscal year as Immediate Past-Chair. This position is advisory; and provides guidance and continuity in transition of Section leadership.

The Treasurer position is a two-year commitment for 2007 and 2008. The duties of the Treasurer are to attend the 22 monthly EC meetings during the term of office; and to handle the finances of the EC. The duties include compiling annual budgets from program leaders; communicating as requested with the National offices; making deposits to checking and investment accounts; paying monthly bills; preparing checks to support programs of the EC; record keeping; and compilation of the annual report of financial activities using a standard template provided by the National office.

The Alternate Councilor position is a two year commitment beginning in January of 2007. The duties of the Alternate Councilor include attending the 22 monthly meetings of the EC; provide guidance and leadership to the Section; and represent the Section Councilor both on the EC and at National meetings when the Councilor is unavailable.

The Newsletter Editor position includes assembling and coordinating the distribution of the bimonthly Kalchemist News. It is a great way to get to know the section better!

Please consider placing your name into nomination for one of these positions. For more information please contact any member of the EC; and to place your name in nomination please contact Monica Whitmire (269-375-0060, howdy_mlw@sbcglobal.net).

ANNUAL AWARDS BANQUET

The Kalamazoo Section of the American Chemical Society held its Thirty Third Annual Awards Banquet on Monday, May 22, 2006, in the Bernhard Center on the campus of Western Michigan University from 6:00 to 8:00 pm. There were seventy one people in attendance including members, honorees, and their guests. This Awards Banquet is held annually to honor excellence in chemical education and service to the society. Those recognized were from the three counties covered by the section, Allegan, Kalamazoo and Van Buren Counties.

At the dinner, the Outstanding High School Chemistry Seniors from 13 high schools in the area served by the Kalamazoo section were honored. Each outstanding senior was given a certificate, an ACS tumbler and \$25 gift certificate to Barnes and Nobles. The students, their high school and nominating teacher are given below along with a photo of those in attendance.

The twenty-one winners in the 2006 Competitive High School Chemistry Examination were also presented with checks and certificates. Names of each of these Competitive Scholarship winners are also given below, along with a photo of those in attendance.

Doreen Odziana from Paw Paw High School was honored by the Kalamazoo Section as its Outstanding High School Chemistry Teacher for 2006. Each year, deserving high school chemistry teachers are nominated by their principals for this award. She is picture below along with the Outstanding College Chemistry Students.

Two college students, Nick Beimer, Kalamazoo College and Brigitte Engelmann, Western Michigan University, were honored as Outstanding College Chemistry Students for 2006 by the Kalamazoo Section.



Outstanding College Chemistry Students (Brigitte Englemann (WMU) and Nick Beimer (K-College)) and **Outstanding High School Chemistry Teacher** (Doreen Odziana (Paw Paw High School))



Fifty Year Mambbers
Dr. Dean Cooke, Dr. David Martin, and Dr. Howard Whaley

Also honored at the banquet were Kalamazoo Section members who have been members of the American Chemical Society for fifty years. The three members in attendance that were so honored were Dr. Dean Cooke, Dr. David Martin, Dr. Howard Whaley. They are pictured below

This years recipient of the Section Service Award was Dr. John Stodola, formally of the Pfizer Inc. During his many years of service to the section John has held numerous hats including Chair of the Section, Chair of the Legislative Action Committee, and Organizer of the Boy Scout Chemistry Merit Badge Day. John has also been involved in many of the outreach activities of the section including being a regular at our annual Chemistry Day at the Museum.

The awards are supported by the local section with additional support for the Competitive Scholarships program coming this year from Pfizer Inc., KALSEC, Inc. and private donations.

The Education Committee in charge of the Awards Banquet are WMU Chemistry Faculty Dr. Donald Schreiber, chairman of the committee, Dr. Brian Buffin, Dr. James Kiddle, and Dr. David Reinhold.

Outstanding High School Chemistry Seniors

Amy Milroy – Decatur – Mr. Rober Dick
 Colin Schumacher – Galesburg-Augusta – Mr. Mike Kupiecki
 Kevin Fischer – Gull Lake – Mr. Brad Portis
 Connor Field – Hackett Catholic Central – Ms. Amy Johnston
 Phillip Baweja – Hopkins – Mr. Geoffrey Crowe
 Ryan Bradstreet – KAMSC – Dr. Joe Thorstenson

Alejandra Sebastiani – Kalamazoo Central – Mr. Mark Branch
 Rachel Hesselink – Kalamazoo Christian – Mr. Al Neiboer
 Justin Kahl – Mattawan – Ms. Jody Tuls
 Alexander Hessler – Paw Paw – Ms. Doreen Odziana
 Erik Guetschow – Plainwell – Mr. Michael Wood
 Mark Katz – Portage Central – Mr. Jason Frink
 Mona Saini – Wayland – Ms. Karen Gabrielse



**Competitive Scholarship Winners
(in attendance)**

Calvin Boerigter, Garrett Lyon, Omar Abudyeyh,
 Katryn Williams, Andrew Franks, Danielle Mai,
 Ryan Bradstreet, Ben King, Seth Wolbert,
 Brooke Laing



**Outstanding High School Chemistry Seniors
(in attendance)**

Phillip Bawega, Rachel Hesselink, Mona Saini,
 Colin Schumacher, Kevin Fisher, Justin Kahl,
 Ryan Bradstreet, Amy Milroy

2006 Competitive Scholarship Winners

1 st Place (\$1,000)	Garrett Lyon	Mattawan
2 nd Place (\$800)	Danielle Mai	Vicksburg & KAMSC
3 rd Place (\$600)	Andrew Franks	Portage Central & KAMSC
4 th Place (tie) (\$350)	Corey Lager	Comstock & KAMSC
4 th Place (tie) (\$350)	Hyden Zhang	Portage Central & KAMSC
6 th Place (tie) (\$100)	Omar Abudayyeh	Portage Central & KAMSC
6 th Place (tie) (\$100)	Calvin Boerigter	Portage Northern & KAMSC
8 th Place (\$100)	Ben King	Heritage Christian Academy & KAMSC
9 th Place (\$100)	Seth Wolbert	Loy Norrix & KAMSC
10 th Place (tie) (\$100)	Ryan Bradstreet	Kalamazoo Christian & KAMSC
10 th Place (tie) (\$100)	Jesse Denardo	Heritage Christian Academy & KAMSC

Honorable Mention (\$50)

Hana Beloglavec	Loy Norrix & KAMSC	Sara Metzler	Kalamazoo Central & KAMSC
Thomas Brown	Kalamazoo Central & KAMSC	Rupal Patel	Portage Central & KAMSC
Brendan Buck	Gull Lake	Mona Saini	Wayland
Shangfeng Chang	Portage Central	Ted Sanders	Wayland
Brooke Laing	Schoolcraft & KAMSC	Katryn Williams	Gull Lake

High School Students Spend their Summer Working in the Laboratory Instead of the Local Fast Food Restaurant

This summer five students from area high schools will be participating in the 2006, ACS Project SEED (Summer Educational Experience for the Disadvantaged) Program. The program kicks off on June 14, and will go for 8 ½ weeks. The students are paid a stipend of either \$2275 or \$2600 depending on whether they are in their first or second year of the program. The Kalamazoo Section of the American Chemical Society has participated in Project SEED for the last fifteen years. During this time over fifty high school students have been placed in academic and industrial laboratories. This year's program will conclude with a poster session and reception held on the evening of August 10, in the Haenicke Hall Atrium on the Campus of Western Michigan University.

The Summer I students joining the program for their first experience are TaJay Haywood, of Kalamazoo Central High School and Joshua Whitlock of Decatur High School. TaJay will join the research group of Dr. Sherine Obare at Western Michigan University where he will study the chemistry of nanoscale materials. Joshua will be working with Dr. Subra Muralidharan working on vesicles. Students returning for a second experience are Brendan Sanchez of Portage Northern High School, Amber Abbott of Bloomingdale High School and Kaushik Sarkar of Kalamazoo Central High School. Brendan will who will rejoin Dr. Michael Barcelona's group at WMU and Amber and Kaushik will again be working with Dr. James Kiddle at WMU.

This year the matching funds to help support this program have come from the Kalsec Inc., Pfizer Inc., and private donations. Companies or individuals interested in donating to or want more information about the local Project SEED Program should contact Dr. Donald Schreiber (387-2856, schreiber@wmich.edu).

The Physics and Chemistry of Snow

Jim Benko presented the Spring Tour Speaker seminar on 27 April 2006. Several ACS members and a family with small children were in attendance. Jim Benko has studied snowflakes under the microscope for over 30 years. During that time he has preserved thousands of snowflakes using a 1% solution of polyvinyl acetate resin dissolved in ethylene dichloride. He brought several vials of preserved snowflakes to the seminar. They were many shapes and sizes and were easily viewed using a magnifying lens. His seminar was viewed using a laptop computer and slideshow. It provided a historical perspective on snowflake preservation techniques and was interspersed with humorous comments.

The snowflake is perhaps the most beautiful and yet most fleeting object in nature. It is here for only an instant and gone or changed forever in a few minutes. Most of us had an idea of what a real snowflake looks like, but were surprised to discover that the six-pointed star shaped flake most often seen depicted on Christmas decorations and other art forms was only one out of about 21 different shapes that can form under appropriate conditions.

5th Grade Science Fair Innovation Grant Final Report

Monica Whitmire

We devised a project to promote an appreciation of scientific principles and methods and for increasing science awareness to our communities using a three-stage approach. The program, primarily for 5th graders, was brought to a five-county area in Southwest Michigan, including a total of 24 different schools: Portage-Haverhill (4 classes), Portage-Amberly, Parchment (4 schools), Decatur, Galesburg-Augusta, Gobles, Gull Lake, Hastings, Lawton (2 classes), Mendon, Nottawa, Otsego, Plainwell (4 classes), Plainwell-Cooper, Vicksburg-Tobey, White Pigeon, Heritage Christian, Kalamazoo Christian, Kazoo School, St. Monica and St. Terese.

The first stage was an introductory educational workshop, which was held on November 1, 2005. This mini-symposium was held at the Kalamazoo Regional Educational Service Agency's (K/RESA) auditorium with the help of the Assistant Superintendent for Instruction, Lynne Cowart, and staff. Six volunteers presented the workshop from the Kalamazoo ACS and the Pfizer Education Initiative (PEI). Thirty-two teachers and nineteen volunteers were in attendance. The program included modules on student laboratory safety, an introduction to scientific principles, how to record and manage data, basic statistics, composition of a scientific poster, and identified several interesting chemistry Internet resources. Many questions from the audience were answered during the presentation. The audience praised the workshop and handouts for their effectiveness.

Stage two involved hands on chemistry experiments and instructional mentoring, which were designed to generate enthusiasm and guidance for the science fairs to come, and were held at the 24 individual schools. A total of 36 volunteers, representing PEI and ACS, and 40 teachers and teacher's aides participated in this stage of the program. One of the pre-science fair programs used a crime scene investigation where the principal was kidnapped and the students had to determine the criminal as an example of forensic science. The staff was very cooperative and everyone had a great time. Another pre-science fair program performed soil testing the day before Earth Day. This fit well with the goals of ACS and the environmentally focused school, and it was a lot of fun for the students to get down and dirty.

Stage three consisted of the science fairs, which were held at the 24 individual schools. The ACS and PEI grants paid for the poster boards and miscellaneous supplies. A total of 1339 students presented their posters to an audience of 10,000 general attendees (parents, students and community). At each fair, 2-5 volunteer scientists walked around and discussed the posters with the students, giving constructive criticism and helpful hints on improvements for their future posters. The volunteers also handed out certificates and participation ribbons to the students. The posters represented several different branches of science including chemistry (35.3%), biology (11.9%), medicine or health (4.7%), microbiology (4.3%), environmental or earth science (7.8%), social science (2.9%), and other (physics, etc.) (33.1%). The Galesburg-Augusta Intermediate School program teacher, Mary Anne Bonine, submitted the program for a STAR (Sharing Time and Resources) award because the volunteers "brought their love of science and their concern for the future of these young children." Additional recognition, a \$500 award for tenth place, was received for the Hastings science fair program from the Detroit Science Center.

This program would not have been possible without the efforts of numerous volunteers, including the following (1 = PEI, 2 = KACS, 3 = K/RESA, 4 = WMU):

Karen Barsuhn¹, John Beck², Barry Beiderman¹, Matthew Buchkowski¹, Linda Bussema³, Larry Carter¹, Linda Compton¹, Meredith Cupples¹, Diane Emde¹, Tina Grybus¹, Laura Hagen¹, Shawn Hawk^{1,2}, Jim Keeler^{1,2}, Erika Kitchens¹, Matthew Krautmann¹, Barbara Lee^{1,2}, Yit-Yian Lua¹, Regina Luensmann⁴, Sharon Manski¹, Carol Manthey¹, Carol Orris^{1,2}, Lynn Pruitt-Timko¹, Katherine Rubrich¹, Carl Stachew^{1,2}, Kathleen Staite¹, Bob Standhardt¹, Amy St. Charles^{1,2}, Patty Stelzer¹, Nancy Strakalaitis¹, Todd Talsma¹, James Tustin^{1,2}, Erin Warren¹, Monica Whitmire^{1,2}, Karen Wilson¹, Rick Ziolkowski^{1,2}, Connie Brennan¹, Robert McDonough¹ and Lynne Cowart³.

GIRL SCOUT CHEMISTRY LABS, a Success!

**65 Girls Scouts participated at WMU in chemistry experiments Saturday,
March 25, 2006, to earn a Chemistry Patch from the Glowing Embers
Council of the Girl Scouts.**

Thank you Volunteers!

Megan Buwalda	WMU Student Association	Susan Stapleton	WMU
Megan Hammes	WMU Student Association	Elke Schoffers	WMU
Kim Gieve	Kar Labs	Jerrie Fiala	WMU
Kara Kimble	MPI Research	Kristen Casey	WMU
Sheryl Loux	MPI Research	Tom Norton	WMU
Sandra Sims	Pfizer	Vivian Locke	WMU
Christopher Glass	Pfizer	Alyssa Al-Hakim	WMU Chem Club
Jennifer Larese	Pfizer	Neal J. Oliver	WMU Chem Club
Shawn Hawk	Pfizer	Ben Tomlinson	WMU Chem Club
Monica Whitmire	Pfizer	Kellie Nicholson	WMU Chem Club
Lynne Kalmbach	Pfizer	Jenny Ward	WMU Chem Club
Carl Stachew	Pfizer	Andy Sanborn-Whiteman	WMU Chem Club
Cliff Sacks	Pfizer	Kate Shaw	WMU Chem Club
Cheryl Sacks		John Frederick Beck	WMU Chem Club
Amber Ashley Abbott	Bloomington High School	Tim Clore	WMU Chem Club
Shawnte Cason	WMU	Lydia Hines	KVCC Kalamazoo
Catherine Upchurch	WMU	Regina Stevens-Truss	College
Christine Carpenter	WMU		

- Omissions and inclusions are the sole responsibility of Sheryl Loux, and my apologies if my list is not accurate.

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

WCC Steering Committee Election Results

Congratulations to Dr. Susan Stapleton and Dr. Regina Stevens-Truss on their re-election to the WCC Steering Committee. Seven ballots were received, Susan and Regina each received 7 votes, no write in votes were received.

The KACS WCC Steering Committee

Sheryl J. Loux ('07)
MPI Research Inc
54943 N. Main Street
Mattawan, MI 49071
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Fax: 269-668-4151
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Dr. Regina Stevens-Truss ('08)
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Department of Chemistry
Kalamazoo College
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Phone: 269-337-7330
Fax: 269-337-7251
Email: rtruss@kzoo.edu

Join the WCC—new members are welcome!

Any Kalamazoo Section member may join. Just email Sheryl J. Loux at Sheryl.Loux@mpiresearch.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.

**American Chemical Society
231st ACS National Meeting
Atlanta, GA
March 26-30, 2006.**

ACTIONS OF THE COUNCIL

Election Results

- The Committee on Nominations and Elections presented to the Council the nominees for selection as candidates for President-Elect, 2007: By written ballot the Council selected Bruce E. Bursten and Bassam Z. Shakhashiri as candidates for 2007 President-Elect to stand for election in the Fall National Election.

Committee Review

- As part of a regular review, the Council VOTED to continue the Committee on Admissions and the Committee on Professional Training. The Committee on Admissions has the power to interpret and apply the requirements for membership, including the status of applicants educated in foreign countries. The Committee on Professional Training promotes and assists in the development of standards of excellence in all aspects of post-secondary chemical education, and undertakes studies important to their maintenance.

2006 Member Dues

- The Council VOTED to set the member dues for 2007 at the fully escalated rate of \$132.

The Special Temporary Assessment

- In December 2002, the Board of Directors approved a special temporary assessment to cover the costs of increased funding for divisions and local section. The Board enacted the temporary assessment with the understanding that it would be reviewed each year to determine whether it could be reduced. In light of the Society's finances, the Board VOTED that, rather than enacting the assessment of \$8 scheduled for 2007, that the assessment would only be \$4. 2007 is the final year for the Special Assessment.

The Society's Finances

- The Society ended 2005 with a net contribution from operations of \$11.6 million, which was \$9.1 million favorable to the approved budget. The favorable variance was primarily attributable to higher-than-budgeted print and electronic information revenue and investment income, as well as expense savings from staff vacancies and reductions in information technology spending. The Society also realized \$21.0 million in investment gains. In total, unrestricted net assets increased just over \$26 million in 2005 to \$211 million.

Member Statistics

- ACS closed 2005 with 158,422 members, reversing a 4-year downward trend in Society membership. The membership retention number remained stable at 92.4%.

Registration Report

- As of March 28, 2006, the ACS spring national meeting had attracted 12,546 registrants as follows: Regular attendees 6,323; Students 4,158; Exhibitors 1,288; Exposition only 413; and Guests 364.

Society Initiatives

- Many committees and councilor caucuses discussed and/or provided input into three key Society initiatives:
 1. The Society's new vision statement: "Improving people's lives through the transforming power of chemistry," resulting from the input of several thousand ACS members.
 2. The Board-Council Policy Committee Governance Review Task Force is reviewing the Society's governance, 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 task force considered five key elements of governance, which are: membership, geographical organization, disciplinary organization, governance structure, and governance operations.
 3. A Program Review Advisory Group (PRAG) has been established to assist the Committee on Budget and Finance in reviewing all programs of the Society on a periodic and regular basis.

Special Discussion

- A special discussion item was considered by Council which focused on the requirements for ACS membership, and whether they should be made more or less restrictive, or kept the same.

ACS President Nalley

- Ann Nalley described the symposia that supported 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 President-Elect Hunt

- Catherine Hunt believes the keys to success for the ACS are: education to engage the next generation, collaboration to build a vibrant and vocal technical community, and innovation to provide the resources to recreate our companies, our universities/schools and ourselves. She is proposing symposia in 2007 to meet these goals.

ACS Past-President Carroll

- Bill Carroll gave a humorous slide presentation summarizing his past year as president.

ACS Executive Director Jacobs

- Madeleine Jacobs described the changes to be made in the ACS website "Chemistry.org" so that it will become an everyday place for scientists to come to meet, work, communicate, and collaborate. \$9.4 million will be expended over a 30-month time period to carry out the project.

Report submitted by Kalamazoo Section Councilors Dean Cooke and Don Schreiber



2006 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

-
- August 1 KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863)
- August 12 KACS Family Picnic, 11:00am – 2:00pm, The Upjohn Park, Portage Rd., (Jennifer Larese, 833-0637)
- September 5 KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863)
- October 3 KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863)
- October 14 Chemistry at the Museum, Noon to 4:00pm (Jennifer Larese, 833-0637, or Amy St. Charles, 833-7148)
- November 7 KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863)
-

KACS
c/o Benjamin Maxey
Pfizer
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Kalamazoo, MI 49001-0199

Please contact Benjamin Maxey at 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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Chair-Elect:

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Secretary:

Amy St. Charles (2007)
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August - September, 2006



Message from the Chair Michael Kiella

Slate of Officers

The Section is in need of candidates to fill three very important roles. Please consider taking the opportunity to participate in the leadership of your Section. Contact Monica Whitmire or any member of the Executive Committee to place your name on the ballot. Ballots will go out with the next issue of the Kalchemist News.

In addition, we are looking for a new Editor of the Kalchemist News.

Student Affiliates

I have been in communication with the leadership of both the Kalamazoo College and Western Michigan University student affiliates. Both organizations have activities planned for the upcoming school year. The Section would like to welcome new members of both organizations and wish them well in their scholastic pursuits. We look forward to their continued participation in Section programs. The next opportunity for us to see many of them will be at Museum Day. For those who have been on summer break, Welcome Back!

2007 Budget

Our budget depends on program leaders to recommend appropriations for their specific activities. If you are a Program Leader, please initiate a contact with John. The proposed FY2007 will be presented to the Executive Committee at the December 6th meeting for approval. Final amendment to the budget will be completed at the January 3rd meeting.

Executive Committee Meeting Time Change

The KACS EC Meetings are moving to the first Wednesday of the month at 6pm.

Michael

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Update from the Social Coordinator	3
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KACS WEBSITE:

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

Why do Drugs Cost so Much?

Presented by Patrick Irish

The KACS will be hosting ACS Tour Speaker Patrick Irish, a former KACS section member and EC Chair, in early October 2006 to talk about "Why do Drugs Cost so Much?" Please contact Monica Whitmire (269-375-0060, howdy_mlw@sbcglobal.net) for additional information.

Call for National Chemistry Week (NCW) volunteers:

"Chemistry in the Home" is the theme of NCW 2006. Our outreach to the community will be held at the Kalamazoo Valley Museum (KVM) on Saturday, October 14, 2006, from Noon to 4 p.m. With the thought that the "home" is anywhere you are, the KVM has arranged to have an astronaut on the premises during our celebration.

Approximately 1000 children come through the doors of the KVM on a typical Chemistry Day at the Museum - they are always eager to try their hand at each activity and WE HAVE HAD AT LEAST TWO YOUNG PEOPLE CHOOSE TO STUDY CHEMISTRY BECAUSE OF OUR WORK in this venue!!

As every other year WE NEED YOU TO VOLUNTEER your time and expertise for this event. At a loss for an activity to take charge of, or to help with? Don't be. Please contact Jennifer Larese (269-833-0637, jennifer.a.larese@pfizer.com) or Amy St.Charles (269-833-7148, amy.m.stcharles@pfizer.com) to volunteer.

Project SEED Reception at WMU

The Kalamazoo Section of the American Chemical Society will hold its annual Project SEED Reception and poster presentation on Thursday, **August 10, 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>)).

Project SEED is an ACS program for Summer Educational Experience for (economically) Disadvantaged High School chemistry students 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.

Update from the Social Coordinator

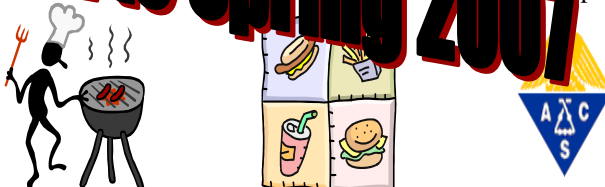
Jennifer Larese (833-0637, Jennifer.A.Laresse@pfizer.com)

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 or Jennifer.A.Laresse@pfizer.com.

Next Event:

August 2006 KACS Family Picnic

- Where: 1000 S. Spring Road (eastern side), between Romence and Center Streets
- What: Hot Dogs, Hamburgers, Soft Drinks, Vegetable Tray, Condiments
- Menu: Hot Dogs, Hamburgers, Soft Drinks, Vegetable Tray, Condiments
- Please RSVP by July 28th to Jennifer Larese (Jennifer.A.Laresse@pfizer.com)



Call for Nominations

As we enter the second half of the year, now is the time to bring forward the call for nominations for the 2007 slate of officers. The following offices will have vacancies

Chair-elect

Treasurer

Alternate Councilor

Newsletter Editor

The Chair-elect position is a three year commitment that will begin in January of 2007. The one-year duties at Chair-elect are to assist the Executive Committee (EC) especially by become familiar with the functions of the EC as it brings forward the local programs and coordinates with the National organization. This requires attendance at eleven monthly EC meetings; and to preside at EC meetings when the Chair is unavailable. Ascension to the role of Chair of the EC in January of 2008 is an expectation of the Chair -elect position. The Section will sponsor travel for a weekend meeting called the Local Section Leadership Conference (usually in the Washington D.C. - Baltimore area) in January of 2007. This meeting is designed to provide a platform for Chair-elects, nationwide, to come together and become familiar with the expectations of the role. Previous attendees have raved the meeting as a useful indoctrination into the role of the Chair-elect position. The commitment completes during the 2009 fiscal year as Immediate Past-Chair. This position is advisory; and provides guidance and continuity in transition of Section leadership.

The Treasurer position is a two-year commitment for 2007 and 2008. The duties of the Treasurer are to attend the 22 monthly EC meetings during the term of office; and to handle the finances of the EC. The duties include compiling annual budgets from program leaders; communicating as requested with the National offices; making deposits to checking and investment accounts; paying monthly bills; preparing checks to support programs of the EC; record keeping; and compilation of the annual report of financial activities using a standard template provided by the National office.

The Alternate Councilor position is a two year commitment beginning in January of 2007. The duties of the Alternate Councilor include attending the 22 monthly meetings of the EC; provide guidance and leadership to the Section; and represent the Section Councilor both on the EC and at National meetings when the Councilor is unavailable.

The Newsletter Editor position is appointed by the KACS EC and includes assembling and coordinating the distribution of the bimonthly Kalchemist News. It is a great way to get to know the section better!

Please consider placing your name into nomination for one of these positions. For more information please contact any member of the EC; and to place your name in nomination please contact Monica Whitmire (269-375-0060, howdy_mlw@sbcglobal.net).



2006 KACS Calendar

Contact the person in parentheses to answer questions or to volunteer

-
- | | |
|---------------|---|
| August 10 | SEED Reception, 5:00pm, Haenicke Hall Atrium (Don Schreiber, 387-2856) |
| August 12 | Postponed to Spring 2007: <i>KACS Family Picnic</i> , (Jennifer Larese, 833-0637) |
| September 6 | KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863) |
| October 4 | KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863) |
| Early October | Patrick Irish, ACS Tour Speaker on “Why do drugs cost so much?” The date, time, and location have not been finalized. (Mike Kiella, 833-9863) |
| October 14 | NCW Chemistry Day at the Museum, Noon to 4:00pm (Jennifer Larese, 833-0637, or Amy St. Charles, 833-7148) |
| November 1 | KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863) |
-

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benjamin.s.maxey@pfizer.com

October - November, 2006



Message from the Chair

Michael Kiella

Election

Inside this edition is the ballot for the slate of officers for the upcoming year. I would like to thank each of the nominees for their willingness to come forward and volunteer their talents. Please take a moment to vote, not only does it fulfill the ascendancy requirements outlined in our by-laws, but it also sends a warm message to those seeking office, that they are from the outset, appreciated.

Awards

As we conclude the 2006 activities year, I ask that each of you consider individuals, or teams, that have been exemplary in representing the Kalamazoo Section as we've brought our programs forward this year. I urge you to contact Sheryl Loux, chair of the Awards Committee (343-4737, sjloux@medscape.com), and let her know whom you believe they should be recognized.

Newsletter Editor

We are still in need of a new editor for the Kalchemist News. If you would like to express your creative talents in this newsletter, please contact me (Mike Kiella, 833-9863, michael.l.kiella@pfizer.com).

Online

There is plenty to be found online at the C&E News and ACS websites. Science news, membership programs, benefits, blogs and more. Visit <http://pubs.acs.org/cen/index.html> and www.acs.org.

More later...Michael

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KACS WEBSITE:

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

Election of the KACS 2007 Officers

Below you will find a ballot for the election of officers of the Kalamazoo Section of the American Chemical Society for next year. The offices to be filled are ***Chair-elect, Treasurer, and Alternate Councilor***. The Chair-elect is elected for one year (the following year becoming the Chair). The Treasurer is elected for a two year term, and the Alternate 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 the current year, Monica Whitmire, will become Chair for next year.

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

*Monica Whitmire
1190 N. 5th St.
Kalamazoo, MI 49009*

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 17, 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

- James Kiddle

Alternate Councilor

- Sheryl Loux

Treasurer

- John Miller

Candidate Biographies

Chair elect:

James Kiddle

James Kiddle was born and raised in Illinois just north of the city. He received his B.A. in chemistry and biology from Drake University in Iowa. He obtained his M.S. in chemistry from the University of Illinois at Chicago, and his doctorate in chemistry from Loyola University in Chicago in 1993. From 1993 until 1994 he held a postdoctoral position at the Mayo Clinic Jacksonville and Trophix Pharmaceuticals Inc. He also held a postdoctoral research position at the Seattle Biomedical Research Institute, within the University of Washington. From 1995 until 2002 he was an assistant professor in the Department of Chemistry at the University of North Carolina at Wilmington. He came to West Michigan in 2002 to join the faculty in the Department of Chemistry at Western Michigan University. Since arriving at WMU James has been an active member of the KACS education committee. During his free time James is an avid runner and sailor.

Alternate Councilor:

Sheryl Loux

Sheryl Loux has been active in the Kalamazoo Section of the ACS since 1980, holding offices and positions such as Secretary, Alternate Councilor, Women Chemists Committee Chair and Steering Committee Member, Awards Committee Chair, and Public Outreach Chair. Sheryl is currently employed at MPI Research in Mattawan. Sheryl remains active in the Kalamazoo Section through various outreach activities, as Alternate Councilor, Women Chemists Committee Chair and Awards Committee Chair.

Treasurer:

John Miller

John Miller is Associate Professor of Chemistry at Western Michigan University with research interests in surface chemistry, photochemistry, and biofuel production. Prior to joining the WMU faculty, he was employed by ATMI, an electronic materials startup in Danbury, CT. John is a 20-year member of the ACS, and became a member of the KACS in 1995. He has previously been active in National Chemistry Week activities and served on the organizing committee for the 2001 Regional Meeting. John currently serves as the interim treasurer for KACS.

John Fortman and “The Science of Magic”

Monday, October 9, 6pm

226 Dow Science Center, Kalamazoo College

Come see our Fall Tour Speaker, John Fortman, dazzle you with exciting demonstrations of the "Science of Magic" at 6:00pm, Monday, October 9, in the Dow Science Center, Room 226, of Kalamazoo College (see <http://www.kzoo.edu/map.html> for directions).



"Magicians use the wonders of science to entertain but always keep the explanation or secret of their tricks from the audience. Science teachers use the wonders of science in demonstrations to develop interest in students but should also explain the mystery or principles behind their tricks. In this talk, the scientific explanations of the "magic tricks" shown will be presented in an educational fashion. Learn the science behind such tricks as the burning book, the non-burning cloth, the tablecloth pull, the heavy newspaper, the bottomless bottle, the egg in the bottle, the lidless bottle, the magic flask, the genie in the bottle, the rainbow liquid, and the needle thru the balloon."

Chemistry Day at the Museum

October 14, Noon to 4:00pm

Kalamazoo Valley Museum

"Chemistry in the Home" is the theme of NCW 2006. Our outreach to the community will be held at the Kalamazoo Valley Museum (KVM) on Saturday, October 14, 2006, from Noon to 4:00 p.m. With the thought that the "home" is anywhere you are, the KVM has arranged to have an astronaut on the premises during our celebration.

If you have questions, or would like to volunteer, please contact Jennifer Larese (269-833-0637, jennifer.a.larese@pfizer.com) or Amy St.Charles (269-833-7148, amy.m.stcharles@pfizer.com).

Update from the Social Coordinator

Jennifer Larese (833-0637, Jennifer.A.Larese@pfizer.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 or Jennifer.A.Larese@pfizer.com.

We are looking forward to seeing you at John Fortman's Fall Tour Speaker Presentation (October 9) and at Chemistry Day at the Museum (October 14).

**AMERICAN CHEMICAL SOCIETY 232nd ACS NATIONAL MEETING
SAN FRANCISCO, CA, SEPTEMBER 10-14, 2006**

The following summarizes the key actions of the ACS Council and Board of Directors at the 2006 fall national meeting.

ACTIONS OF THE COUNCIL

Election Results

- The Council elected councilors for membership on the following council committees for the 2007-2009 term: the Committee on Committees, the Council Policy Committee, and the Committee on Nominations and Elections

Candidates for President-Elect and Board of Directors

- The candidates for the fall 2007 ACS national election were announced as follows:

President-Elect 2007

Bruce E. Bursten, University of Tennessee, Knoxville
Yorke E. Rhodes, Retired - New York University, New York
Bassam Z. Shakhshiri, University of Wisconsin, Madison
James A. Walsh, Retired - John Carroll University, Florida

Directors-at-Large – 2007-2009

William H. (Jack) Breazeale, Jr. College of Charleston, South Carolina
Dennis Chamot, National Research Council, Washington, D.C.
Peter K. Dorhout, Colorado State University, Ft. Collins
Paul R. Jones, University of North Texas, Denton
Valerie J. Kuck, Retired - Bell Labs, New Jersey
Dorothy J. Phillips, Waters Corporation, Massachusetts
Marinda L. Wu, Science is Fun! Company, California

Petitions for Consideration

- The Council received three petitions for consideration: Petition on Election Procedures 2006; Petition on Multi-Year Dues; and a Petition on Rules for Nominating Members of Nominations and Elections for National Offices. A brief discussion ensued on the Petition on Rules for Nominating Members of Nominations and Elections for National Offices. Action is expected on these petitions at the 2007 spring national meeting in Chicago.

Committee Review and Committee Change in Status

- As part of a regular review, the Council VOTED to continue the Committee on Public Relations and Communication, the Committee on Environmental Improvement, and the Committee on International Activities subject to concurrence by the Board of Directors. The Council also VOTED to support the request of the Committee on Community Activities that its status be changed from an “other committee” of the Board to a joint Board-Council Committee. The purpose of the Committee is to improve the public perception of chemistry by providing programs to connect chemists with their communities.

Governance Review

- The Council received a report from the Council Policy Committee on activities related to Governance Review. The Board-CPC Governance Review Task Force generated 23 ideas following initial interaction with the Board, Council, Committees and other interested members. A joint meeting of the Board of Directors and CPC was held at this meeting to prioritize the 23 ideas into three categories: to advance the idea as worthy of further consideration by the cognizant

AMERICAN CHEMICAL SOCIETY 232nd ACS NATIONAL MEETING (continued)

committee and/or interested groups; to refine the idea which will be sent back to the Governance Review Task Force for further consideration; or to place the idea in a “stop” category as an idea that will receive no further consideration as part of the governance review. Councilors received a listing of the 23 ideas organized into the three categories as prioritized jointly by the Board and CPC.

Special Discussion Item

- A special discussion item was again put on the Council agenda. The discussion focused on ensuring the American Chemical Society’s future by engaging younger members throughout the Society’s volunteer leadership. ACS President E. Ann Nalley framed the discussion by presenting the results of a councilor survey on the topic and many councilors offered useful comments and suggestions.

Review of the Chemical Professional’s Code of Conduct

- The Committee on Economic and Professional Affairs submitted its latest version of the Chemical Professional’s Code of Conduct for Council review. This document offers guidance for Society members in various professional dealings, especially those involving conflicts of interest.

ACTIONS OF THE BOARD OF DIRECTORS

The Board’s Committees and Task Forces

- On the recommendation of the Board Committee on Professional and Member Relations, the Board voted the following:
 - To approve revisions to the Guidelines for Society Cosponsorships with other organizations;
 - To proceed with “phase one” plans to arrange the 2008 ACS/AIChE joint meeting, which involves working within the framework of the cosponsorship guidelines, engaging the support of the relevant technical divisions, and developing a suitable budget;
 - To approve the request for cooperative cosponsorship of Pacifichem 2010, to be held December 14-19, 2010, in Honolulu, Hawaii, contingent upon approval of an acceptable budget for the conference.
- The Board received and expressed support for a report presented by its Contingency Planning Working Group. The Contingency Planning Working Group was charged with developing a set of actions that could be undertaken if risks became reality for the Society. The Board’s Task Force on the Timing of Committee Appointments also presented a report. This task force was asked to review the timing of committee appointments and seek opportunities to engage the Board Chair and President earlier in the appointment process. The Board also discussed plans for a third conference in Malta entitled, *Frontiers of Chemistry III: Research and Education in the Middle East* and agreed to recommend inclusion of \$50,000 for this meeting in the 2007 budget. The conference will take place in December 2007.

The Society’s Mission

- On the recommendation of the Committee on Planning, the Board voted to adopt a revised ACS mission statement: *“To advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.”*

The Society’s Staff

- The Board received a report from the Executive Director/CEO and several of her senior staff members on the activities of the Publications Division, Chemical Abstracts Service, Human Resources, the Web Presence Project, and the Society’s General Counsel. On the recommendation

of the Committee on Executive Compensation, the Board agreed to a proposed list of 2007 organizational objectives. The Board also received a status report from its consultants, who are helping to review the Society's executive compensation. The compensation of the Society's executive staff receives regular review by the Board

The Society's Finances

- The Board, through the Committee on Budget and Finance, voted to approve funding requests for the Society's Green Chemistry Institute and for workshops with Hispanic and Native American-serving institutions and to include these funding amounts in the Society's 2007 proposed operating budget.

The Board also received a report from the Program Review Advisory Group (PRAG). PRAG is charged with reviewing programs of the Society (with some exceptions) on a periodic and regular basis.

ACS President Nalley

- Ann Nalley used this opportunity to emphasize that the strength of the ACS lies in the service which our members provide to the society as volunteers. At this meeting there were 20 presidential events which stressed this view. Of particular interest were symposia on "Public Image of the Chemist", "Recognition of Volunteer Service", and "Involvement of High School Teachers in the ACS".

ACS President-Elect Hunt

- Katie Hunt discussed the plans during her presidential succession to give Science and Technology a face in the community and a voice on Capitol Hill. This will be accomplished in part by promoting the Society's Legislative Action Network and by participating in a Caucus to promote K-12 Education. Plans are underway for symposia at the Chicago meeting on Sustainability in the areas of Energy, Food and Water.

ACS Past-President Carroll

- William Carroll continued to execute the three agenda items of his presidential year. These were Public Perception of Chemistry, Secondary Education and the State of the Chemical Enterprise in 2015.

Registration Report and 2007 National Meeting Registration Fee

- As of September 12, 2006, the ACS fall national meeting had attracted 15,603 registrants. Totals in select categories are as follows: Regular attendees 9,373; Students 3,350; Guests 510; Exhibit Only 504; and Exhibitors 1,666. The Committee on Meetings and Expositions reported that national meeting financial targets continue to be met, and therefore recommended to the Board of Directors that there be no increase in national meeting registration fees for 2007

The Society's Membership

- The Committee on Membership Affairs reported that through August 2006, a record 12,137 new applicants have been added to the Society's membership, and that the Member-Get-A-Member campaign is well on its way to the goal of 1,000 new members in this year.

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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- | | |
|-------------|---|
| October 4 | KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863) |
| October 9 | Fall Tour Speaker: "Science of Magic," presented by John Fortman, 6:00pm, 226 Dow Science Center, Kalamazoo College (Monica Whitmire, 375-0060) |
| October 14 | NCW Chemistry Day at the Museum, Noon to 4:00pm (Jennifer Larese, 833-0637, or Amy St. Charles, 833-7148) |
| November 1 | KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863) |
| November 17 | KACS Election Ballots due to Mike Kiella (833-9863) or Monica Whitmire (375-0060) |
| December 6 | KACS Executive Committee Meeting, Open to all Members, 6:00pm (Mike Kiella, 833-9863) |
-

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Please contact Benjamin Maxey at benjamin.s.maxey@pfizer.com if you prefer to receive your newsletter by email.

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The Kalchemist News

December 2006—January 2007



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KACS Website

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Message from the Chair

Michael L. Kiella

Science Café Mini-Grant Awarded to Kalamazoo Section

This fall, the ACS Office of Local Section Activities solicited applications from the Sections to help support a new program called *Science Café*. The program offers an opportunity for our Section to sponsor a discussion forum for current topics of scientific interest. The program is structured so that scientists, and non-scientist alike, are given the opportunity to learn by asking questions of a science expert...technical topics in layman language. Informal and informative. The Café is a nice compliment to our Tour Speaker program. The mini-grant will fund speaker travel; advertising and promotion; or help offset other costs associated with the hosting the Science Café. The Executive Committee will form a program committee to begin planning for our Section's event. Please let us know if there is a national or regional topic that you believe will make a good Café.

News Editor

At the time of this writing, the volunteer who would like to assist the Section by becoming the Editor of the KALCHEMIST NEWS has not stepped forward. If you are interested, but wish to know more about the role before you commit, please contact Benjamin Maxey, Monica Whitmire, or me. Our contact information is on the masthead.

Transition to FY2007

John Miller convened the Budget Committee several times during the fourth quarter of 2006 to evaluate income, expenditures, and Section programs. His committee has brought forward a proposal for the FY 2007 budget. The proposed budget was presented to the Executive Committee for approval at the December 6th EC meeting and was unanimously approved.

In review, the FY2006 budget held up. The Section brought all of the planned programs forward at budget. Thank you to the program chairs and committees that made this possible. Well done.

Looking forward, the FY2007 budget will reflect the reduction in Section membership that we anticipated over the last two years. John's committee was able to bring next year's budget forward with adjustments that, for 2007, should be transparent to the membership. Thank you, John.

And finally...

I am grateful for the opportunity to Chair the Section during the past year, a year made easier with guidance from the Executive Committee; and splendid participation by program chairs and volunteers. It was truly a capstone to eight years on your Executive Committee. Thank you.

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Section Elects New Members to the Executive Committee

Dr. James Kiddle is elected to the position of Chair Elect for 2007. He will become the Section Chair in 2008. Dr. Kiddle is a professor of Synthetic Organic, Medicinal and Green chemistry at Western Michigan University.

Dr. John Miller is elected to the position of Treasurer for 2007-2008. John completes his appointment as Section Treasurer completing the term vacated by Shawn Hawk with his untimely death last spring. Dr. Miller is a professor of Surface, Photo, and Biofuel Production Chemistry at Western Michigan University.

Sheryl Loux returns to the position of Alternate Councilor for 2007—2009. Sheryl is incumbent to this position and has been active in the Section for many years.

Congratulations and Welcome to our new EC members!

Social Chair Initiates Professional Networking Program

On the drawing board

Jennifer Larese is excited to announce a great opportunity to become part of a planned networking program where we can become a “Professional Contact” to our WMU, Kalamazoo College, and KVCC students. The network, now in the planning stages, is designed to assist students as they explore career fields and career options within chemistry. As a network member, we envision members in the network being contacted in an advice-giving capacity. We certainly do not intend that the program promote employment or internship purposes, provide home work help, or be used for classroom related instruction. More information on the program will follow in the next newsletter.

Executive Committee Meeting Time

The Section Executive Committee announced that it will continue to meet on the first Wednesday of each month at TGI Friday on West Main and US-131 at 6:00p.m. A private room is reserved for the meeting.

Women Chemists' Committee End of Year Report for 2006

The Women's Chemist Committee sponsored its fifth Girl Scout Chemistry Labs during the past year. In conjunction with Mr. Mark Cronkhite, Program Director for the Kalamazoo Area Glowing Embers Council of Girl Scouts, a Girl Scout chemistry merit badge day was planned and executed. The Girl Scout chemistry merit badge day was designed primarily for girls in grades 4-6. The primary goal of the badge was to highlight the importance of chemistry in a variety of scientific careers. Each experiment that the girls undertook was preceded with a brief description of how the principles of chemistry demonstrated in the experiment are used by a professional in the field. This experience was designed to give the girls (and troop leaders) who participate the chance to think about chemistry in terms of potential careers. For this Girl Scout chemistry day, we chose to highlight experiments that a biochemist, environmental chemist, food chemist, pharmaceutical chemist and polymer chemist might carry out in their working environment. The experiments (each one coordinated by a member of the WCC) and text the troops were given is attached.

The Girl Scout Chemistry Merit Badge Day was held March 25 starting at 9:00 am in McCracken Hall on the campus of Western Michigan University. Parking was available in the lot just in front of the building. Sixty five girls participated in this event. We split the girls up into 5 groups and rotated them through the five experiments. Each group completed three experiments in the morning, took a break for a brown bag lunch, and then the final two experiments were completed in the afternoon. The day wrapped up around 2:30 pm at which time the troop leaders and girls filled out evaluation forms.

Successes of the day were numerous. First, 35 professionals (students, faculty, staff and industrial scientists) from the local area volunteered to help make the day a success. They helped to serve as facilitators and mentors in each of the experiments the girls completed.

The experiments themselves went smoothly and timing was perfect. The evaluations at the end indicated that all were thankful for the opportunity to participate in such a well organized and educational activity. The girls and troop leaders not only had fun, but learned many new aspects about women in science.

Western Michigan University Affiliates Plan Program in February

Join the WMU Chemistry Club and our special guest, Mike Babb, on Thursday, February 1st as we explore the Chemistry of Beer! Mike received his brewing license in Germany and worked as the head brewer at Coor's for 20 years. After the presentation enjoy beer tasting with us and one of Kalamazoo's experts! Location to be announced. (of course, you must be 21 or older to participate in the beer tasting activity).

For Location Information please contact: Loren LaPointe (loren.m.lapointe@wmich.edu) 269-492-2714 and Jennifer Ward (jen.ward@wmich.edu) 269-873-2843.

PBS/NOVA Features Dr. Percy Julian in February 2007 Documentary

A Documentary on the life and work of Percy L. Julian, a black chemist, which will be debuted and featured on PBS/NOVA in February 2007 entitled "Forgotten Genius". The program is supported in part by the American Chemical Society. Dr. Julian is best known for his work with soybean oils and steroid derivatives;

Some of the long-time among our membership may be interested to see footage of early Upjohn fermentation facilities shown in the film.

The date and time have not yet been released, but they should be found in TV guides in February. Following is an excerpt from the following link:

http://www.aaregistry.com/african_american_history/138/Science_pioneer_Dr_Percy_L_Julian

Dr. Percy L. Julian

Dr. Percy Lavon Julian was born in 1899. This African American research chemist was a pioneer in the chemical synthesis of drugs used in medicine.

Born in Montgomery, Alabama, the grandson of a former slave, Julian had limited schooling because Montgomery provided no public education for Blacks after the eighth grade. He entered DePauw University in Greencastle, Indiana, as a 'sub-freshman' and, though ill-prepared, graduated in 1920 as class valedictorian with Phi Beta Kappa honors. He received a M.S. degree from Harvard three years later and a Ph.D. degree from the University of Vienna in 1931.

Dr. Julian taught chemistry at several universities and conducted research for private industries for many years before founding his own research firm, Julian Laboratories, Inc., in 1953. His first major scientific contribution, in 1935, was the synthesis of physostigmine, the drug used in the treatment of glaucoma.

He also worked on biomedical projects, developing steroids from the soybean and synthesizing progesterone (female hormone), testosterone (male hormone), and cortisone. His work made possible the production of these drugs in large quantities, reducing the cost of treating hormonal deficiencies, arthritis, and other disorders.

Later in his career, Julian developed a soybean protein to be used as a coating for paper and as an ingredient in fire-extinguisher foam. In 1947 the NAACP awarded him its highest honor, the Spingarn medal. Dr. Julian was also elected to the National Academy of Sciences. In 1964, he founded Julian Associates and Julian Research Institute, which he managed for the rest of his life.

Reference:

African Americans/Voices of Triumph
by Dr. Henry Louis Gates Jr.
Copyright 1993, TimeLife Inc



Fall Tour Speaker - Dr. John Fortman Revisits Kalamazoo

John Fortman paid his third visit to the Kalamazoo Section on October 9th at the Kalamazoo College Dow Center and presented the program *The Science of Magic* to a standing room only audience. The presentation demonstrated how the magical arts depend on physical and chemical principles for their basis. Many past Section and Committee chairs were present for the talk. Dr. Fortman and his wife were treated to a hospitality hour following his presentation which was attended by his college classmate, Steve Mizesak; and our Section's 58-year member Dr. Wally Hines. Monica Whitmire and Dr. Joan Esson coordinated the event.

Pfizer Chemist Barbara Lee Appointed to Fill EC Vacancy

Ms. Barbara L. Lee was appointed by the Executive Committee at the December 6th meeting to fill the Executive Committee Secretary position recently vacated by Amy StCharles.

Lee has been involved for several years with Section activities, most recently at the National Chemistry Week Museum Day. She is an Analytical Chemist at Pfizer. Her appointment will continue through 2007. Her contact information is found on the masthead. Please welcome Barbara to her new role with the Section.

Amy StCharles departs this month to accept a new role in Pfizer at the St. Louis, Missouri plant. Monica Whitmire, incoming Section Chair, presented Amy with a pen and pencil set at the December meeting as a memento of her time with the Section EC.

Welcome Barbara and Thank You and Best Wishes to Amy!



A View from Museum Day....

Dr. Elke Schoffers separates the organic and aqueous layers in a Biofuel demonstration.

Chemistry Day at the Museum

Twenty years and counting

The KACS co-hosted another successful Chemistry Day in conjunction with the Kalamazoo Valley Museum – our 20th annual event, to be exact! We had 15 different experiments, 100+ volunteers, 1700+ participants – even a visit from the astronaut Rick Heib! The day also featured an Alternative Fuels rally and a biodiesel experiment for the children to try out. We'd also like to thank Joe Thorstenson and all the students who made cupcakes for the periodic table, the students who coordinated with Brad Portis from Gull Lake High School, and the WMU Students who made "Slime" such a success.

This year's program was coordinated by Amy StCharles and Jennifer Larese with mentoring by Lydia Hines. Thank you again – to all the volunteers for your time and effort!

This year's Volunteers (and we hope we haven't missed anyone!)

Lydia Hines	Michael Barcelona	Sarah Jennings
Charissa Oliphant	Loren LaPointe	Barbara Klepper
Evan Walbridge	Don Schreiber	Devin McKay Holder
Evan Woods	Andy Sanborn Whiteman	Marty Mosley
Michael Hall	Kate Shaw	Kyle Kuzmick
Elke Schoffers	Jenny Ward	Stacey Meegan
Shannon Grossman	Steve Schley	Natrin Mattox
Katie Erbach	John Miller	Olajumoke Ogunleye
Amy St. Charles	Jason Koenig	Elena Stachew
Erin McIntyre	Andy Theilking	Lizzie Welch
Theresa Burks	Chris Reece	Anthony Rinehart
Burke Snyder	Gabby O'Brien	Janice Tindle
Dawn Newnum	Stephanie Waite	Lee Wicrenga
Tracy Mays	Adam Simon	Naidra Walls
Howard Johnson	Ashley Fleck	Kevin Zhang
Carl Stachew	Tyler Ankney	Sander Mutsaers
Katie Cimbalik	Irene Ripley	Dominique Young
Chris Glass	Skyler Willis	Aaron Mason
Jay Patterson	Laura Holt	Stephen Zavitz
Barb Horvath	David Gipe	Wally Hines
Dave Stagray	Andrew Gabriel	Annette Hoppenworth
Amit Sathyan	Rashud Thomas	Joe Thorstenson
Michelle Polishak	Lauren Denham Hubbard	KAMSC Cupcake Bakers
Connie Brennan	Nathaniel Bowwer	Sheryl Loux
Michael Dunn	Sean Ryan	Monica Whitmire
Paul Dunn	Chris Bellomy	
Wendy Russell	Amanda Mulholland	
Carol Manthey	Alyssa Al-Hakim	
Brandon Pinto	Rush Sharma	
Barbara Lee	Tim Clore	
Olivier Roux	Jack Stankewicz	
Jennifer Larese	Wajira Ariyadasa	
Theresa Dunham	Jennifer Bussing	

Images from Chemistry Day at the Museum....



Sheryl Loux conducts a demonstration in "Kitchen Chemistry"

Carl Stachew poses with an imploded steel drum following his demonstration of "Crushing Power"



Dawn Newnum and Burke Snyder separate the colors in their demonstration of "Paper Chromatography"



Section Calendar

Contact the person in parentheses to answer questions or to volunteer

- January 3** **KACS Executive Committee Meeting, Open to all Members, 6:00pm (Monica Whitmire 375-0060)**
- February 1** **The Chemistry of Beer, WMU Student Affiliates, Location TBD; Please Contact Loren LaPointe 492-2714 or Jennifer Ward 873-2843**
- February TBD** **PBS Nova Presentation on Dr. Percy Julian**
- February 7** **KACS Executive Committee Meeting, Open to all Members, 6:00pm (Monica Whitmire 375-0060)**

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