

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

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KACS WEBSITE:

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

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.

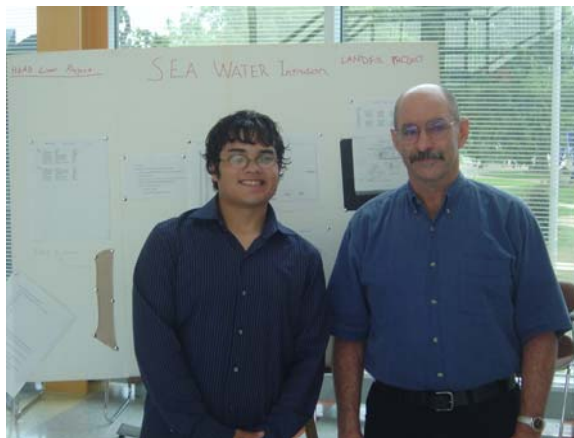
High School Students Spend their Summer Working in the Laboratory

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:

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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 27th) 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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Dr. Regina Stevens-Truss ('05)
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Kalamazoo College
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Phone: 269-337-7330
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Email: rtruss@kzoo.edu

Join the WCC—new members are welcome!

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

5th 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: 5th 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 5th 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 5th 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
(Kent Alleman, 833-5396) |
| October 15 | Chemistry Day at the Museum, Kalamazoo Valley Museum, Noon to 4:00pm
(Sharon Barbour, 668.3336 ext.1498) |
| November 3 | KACS Executive Committee Meeting, Open to all Members, Kraftbrau, 5:00pm
(Kent Alleman, 833-5396) |
| December 1 | KACS Executive Committee Meeting, Open to all Members, Kraftbrau, 5:00pm
(Kent Alleman, 833-5396) |
| January 5 | 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) |
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KACS
c/o Benjamin Maxey
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7000 Portage Road
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/>