



The

Indiana Section of the American Chemical Society

Accelerator

Visit our website: <http://www.franklincollege.edu/indyacs>

Indianapolis to Host National Meeting in 2013!

Indianapolis has been chosen by the Board of Directors as a future American Chemical Society National Meeting site. The official meeting dates are September 8 - 12, 2013. Recent history would suggest about 15,000 - 20,000 participants, which would mean good publicity for Indianapolis and local universities. A number of factors contributed to the decision, including the very successful regional meeting at IUPUI last June, and the recent visit to our section by Bill Carroll, next year's ACS president. President-elect Ann Nalley was also in attendance at the regional meeting and had much praise for the venue and program. Congratulations, Indianapolis!

David Maillk, Councilor, Indiana Section

Chair's Corner

I would like to wish everyone a belated Happy Holidays. With the introduction of 2005 comes the introduction of new people to the Indiana Section Executive Committee. My name is Lindell Ward, and I will be serving as the Section Chair for the next year. For those of you that I have not met, I am currently an Assistant Professor of Chemistry at Franklin College. I became involved with the Indiana Section of the ACS about two years ago and am looking forward to serving as Chair of this organization.

We have a number of exciting events planned for the local section in the next few months. Our Program Chair, Jeff Ward, and I have been diligently preparing a number of presentations and events for the upcoming year. These include talks on the chemistries of wine, marijuana, chocolate, explosives, and other topics. I hope that you will find these as exciting and interesting as we do. Please mark your calendars for these events (and others) as you see them advertised.

One of the biggest changes that we are making is to our local section website. Our resident web designer (yours truly)

is hard at work updating our site to better serve our members. After the redesign, you will be able to find a list of upcoming presentations, pictures and articles from past events, information on Chemagination and other events, and even copies of *The Accelerator*. I would like to thank Franklin College for their donation of space on their server to house this new website. The new web address will be <http://www.franklincollege.edu/indyacs/index.htm>, so update your bookmarks on your browsers. Please feel free to contact me if you have any ideas for improving our website. I am always open for suggestions as this website is to serve you, our local section members.

Again, I am honored to serve as your Chair for this upcoming year. I feel the Executive Committee has a great program for our members. We do need your support! If you have not attended a monthly meeting, please plan to do so this year. We would love to meet each of our members. If you have any concerns, questions, or suggestions about the local section throughout the year, please feel free to contact myself or any of the Executive Committee.

Lindell Ward, Chair

Volume 88, Issue 1

January 2005

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The Indiana Local Section of the American Chemical Society publishes the Accelerator four times a year. The Section is not responsible for statements or opinions printed in this publication. The Editors are responsible for all unsigned and staff articles.

Inside this issue:

National Chemistry Week ...	2
Election Results	4
Volunteer Opportunity	3
January Speaker	4
Membership Survey Results	5
Traveling Kits from Kids and Chemistry	5

To find up to date information about Local Section activities,
visit our website: <http://www.franklincollege.edu/indyacs>

Well Publicized National Chemistry Week Promotes *Healthy* Participation!

The Indiana Section held its 13th National Chemistry Week celebration during the week of November 1. The 2004 theme was “Health and Wellness”. To kick things off, we had a publicity blitz which included a week of advertisements in the Indianapolis Star about the connections between chemical elements and health. For example, one ad was about titanium. “Titanium is not just for golf clubs. Titanium’s high strength and low corrosivity make it an ideal metal for use in dentistry and repairing broken bones.” Connected to the advertisements was a t-shirt giveaway on Monument Circle in downtown Indianapolis at lunch time. Two hundred fifty t-shirts with health sayings from the advertisements were distributed in just 20 minutes! Special thanks to Brian Mathes for creating a novel publicity package for NCW!

Festivities at the Children’s Museum of Indianapolis began on November 4, with demonstration shows by the Eli Lilly and Company’s “Chemistry is a Blast” program. The Blasters, as the demonstrators like to be called, performed shows on Nov. 4 and 5, including a special one for the National Science Teachers Association Regional Meeting social event at the Museum. Thanks to Joe Turpin who coordinated the Chemistry is a Blast program for NCW.

On November 6, we held our main festivities at the Children’s Museum. The museum was filled with chemistry events. Visitors were treated to a Periodic Table on the sidewalk of the museum entrance, which was created by the Butler University Student Affiliates. Eleven organizations, including Student Affiliate chapters, chemistry professional organizations and local companies, provided hands-on experiments for the museum visitors. New participants to NCW included the Association of Women in Science, ChemSci R&D, and EMSL Analytical. Kids and Chemistry workshops were conducted in the Dow Biotechnology laboratory in the museum. In all, over 40 different hands-on experiments were available for the children to enjoy, and over 200 volunteers helped with the various activities.

Seven high schools participated in the 13th Annual High School Chemistry Competition by providing hands-on activities, demonstrations, displays, and games related to a specific chemistry topic. Delta High School placed first with their “The Germinators” activities about germs and the importance of handwashing. They prepared for the event by practicing with Muncie elementary school students. They even linked their activities to the Indiana State Science Standards! The “Wash your hands” rap song was a particular hit with the judges and museum visitors. Zionsville High School and Brebeuf Jesuit Preparatory School tied for 2nd place, while Cardinal Ritter High School placed 3rd. Other schools participating included Union County High School, Warren Central High School, and Indiana Academy for Science, Mathematics, and the Humanities.

One new event for the Indiana Section was the Chemists in the Library program at the InfoZone Library within the Children’s Museum of Indianapolis. The librarians at the InfoZone created book displays and a chemistry display case about chemistry and health. Additionally, Section volunteers read books about chemistry and health to library visitors.

We also were able to communicate the theme of NCW when the visitors were not at our exhibits by having signs about hand washing placed throughout the museum’s restrooms. The signs were so popular with the museum staff that they asked if the signs could be left in the restrooms after NCW so more of the museum’s visitors could enjoy them.

We would like to give a special thanks to the Children’s Museum of Indianapolis and particularly Ruby Ellison and Michele Schilten at the museum, for their assistance and support of NCW.

The Section is looking forward to next year’s theme-“The Joy of Toys”. The 2005 event, our 14th, is tentatively set for November 5 at the Children’s Museum of Indianapolis.

Julie O’Brien, NCW Chair



National Chemistry Week T-shirt Giveaway at Monument Circle – giving the lunch crowd a taste of the celebration



NCW Chair, Julie O'Brien, presents trophies to award-winning high school chemists.

NEW WEBSITE!

Check it out at: <http://www.franklincollege.edu/indyacs>
 get news and info about upcoming local section events, committees and programs!



OPEN HOUSE • SUNDAY, FEBRUARY 6, 2-4PM

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To expand the hearts and minds of students and to nurture excellence through academic, creative and physical achievement

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University High School welcomes students of any race, color, religion, nationality or ethnic origin.



2004 Election Results

The 2004 executive committee election was a success! We received 100 ballots this year, which corresponds to approximately 7% of the eligible voting membership. This number, believe it or not, is an almost 2x increase over the previous year's turnout. The results below indicate your executive committee members for 2005. Thanks to all those who participated in this election!

Election Results Indiana Section, American Chemical Society

Chair

Lindell Ward Franklin College

Chair-Elect

Jeannie Cetusic Dow AgroSciences

Treasurer

Patrick Walsh Retired

Secretary

Angela Bridges Lab Support-Indianapolis

Councilor

Robert Pribush Butler Univerisity

Alternate Councilor

Dawn Brooks Eli Lilly and Company
David Mitchell Eli Lilly and Company
Wendy Hager ChemCom Technologies

Executive Committee Members-At-Large

Ann Cutler University of Indianapolis
James Renga Dow AgroSciences
Michael Samide Butler University

Stanley P. Kolis

Writing an eye-catching resume just got a little easier

The ACS Department of Career Services staff has developed a new, online workshop on resume preparation. This workshop - the first in DCS' catalogue of workshops to be placed online — explains the basic principles of writing resumes. It also includes a sample resume that a user can view to see how the various sections fit together. Access this workshop from the left-hand navigation of our homepage at www.chemistry.org/careers

Are You 35 or Younger? Wanted: Help with YCC Initiatives!

The Indiana Section is looking for a few (or more) good people to help plan our Younger Chemists' Committee's established award winning activity, the annual Local Section Poster Session as well as some possible new activities such as mentoring, social gatherings, etc. Do you have some of your own ideas about how to have a fun and active Younger Chemists group? If you would like to be a participating member of the Indiana Local Section YCC, contact Hilary Eppley, YCC Chair, at heppley@depauw.edu or (765) 658 4603 to get involved!

NEW WEBSITE!

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get news and info about upcoming local section events,
committees and programs!

January Speaker Spotlight

E. Mark Davis presents -

Thermal Stability, Chemical Reactivity and You

A chemist's guide to retiring with 10 fingers.

Chemical process safety affects every chemist. According to US Chemical Safety Board records, foreseeable reactive chemical mishaps occur with alarming frequency in all areas of chemical handling from storage to waste disposal. As a trained chemist, it is your responsibility to protect yourself, your co-workers, your work place and especially your technicians from these needless accidents. A brief overview of chemical reaction safety and testing will be presented along with a practical structure based reaction hazard evaluation tool.

Mark Davis started his career as a chemical technician and then as a discovery bench chemist for 7 years at FMC Ag Chemicals R&D in Princeton NJ. He then moved to Parke-Davis Pharmaceutical R&D in Holland MI where he was a process development chemist for 14 years. During that time he was responsible developing, optimizing and commercializing a number of process steps on what are now multi-billion dollar drugs. Always having had a special interest in process safety, he took over the operation of the Pfizer Process Safety Engineering Lab in Holland MI where he was responsible for assuring the process safety of 4-7 pilot plant runs per week as well as process safety consulting for Pfizer's former Parke-Davis US and Irish manufacturing and discovery sites. In 2003 Mark joined the Eli Lilly Chemical Hazards Lab after Pfizer R&D Holland became a causality of the Pfizer-Pharmacia merger.

January 31, 2005 - 6:30 pm - Mark Davis
"The Chemistry of Explosives" dinner
and discussion at Squealers BBQ, 86th
and Zionsville Rd. (\$15 charge, students
- \$7) RSVP to Marty White
(mpwhite@lilly.com or 276-4506) by
January 24th

Traveling Kits from Kids and Chemistry Now Available!

Kids and Chemistry is an outreach program designed to build chemistry awareness. One such initiative is the traveling kit. These kits provide a hands-on way to make science fun for children. Each kit is equipped with instructions and all materials necessary for students to complete the experiment.

There are two kits available, *Jiggle Jelly* (appropriate for grades 2-4) and *Chemical Changes* (appropriate for grades 4-6). Each kit allows for the students to actively conduct the experiment, observe changes, and record their findings. These experiments are then related to daily life, demonstrating how chemistry affects all of us.

Kits are available to any ACS member who would like to organize a class with a school or youth program (Scout Troops, Big Brothers/Big Sisters, etc). If you would like more information or would like to make arrangements to get a traveling kit, please contact Jaclyn Barrett at barrettja@lilly.com.

Jaclyn Barrett
Kids and Chemistry Chair

Exciting Volunteer
Opportunity!
Meet new people, inspire
students, be the...

National Chemistry Week 2005 Co-Chair

Get involved with the local chemistry
community's biggest event of the year!

Interested? Contact Julie at
indianancw@hotmail.com

Membership Survey Results are in!

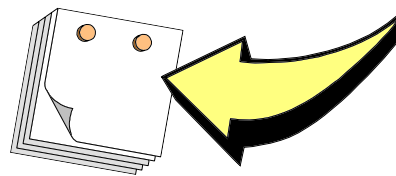
First, I would like to thank everyone personally who responded to our local section survey. We have compiled the data from over 90 responses that represent 13 local employers and seven educational institutions. The most resounding message from industry and academia alike was that we can all use more time. This entailed themes ranging from work-life balance and measuring the value of extracurricular and/or professional activities, to establishing a return on investment for travel time. Of course we can't create time, but we can extract information from the survey data to create a better offering. Here are the winning titles you asked us to schedule over the next two years. "Forensic Science" and "Medicinal/Pharmaceutical Drugs" lead the traditional topic categories with close to 45 votes a piece. "Spices and Herbs: Chemistry and Health" and "The Application of Chemistry to Works of Art" edged out the "Magic of Chemistry" and "America's Funniest Chemical Videos." And whether your willingness to serve on a committee was a representation of what you value or a perceived growth opportunity for the local section, you had a definite opinion. The "Education" and "Women Chemists" committees generated nearly twice the interest of the remaining 17 categories. The executive committee plans to review the survey results over the next few months and decide what future actions should be taken.

Again, I want to thank you for participating and would like to congratulate the three, randomly drawn winners of the Starbucks gift cards: Hilary Eppley, Sherry Queener, and Sienna Henning. The cards are in the mail...

Marshall Parker
Membership Chair



UPCOMING EVENTS – Mark your Calendar!



- *January 31, 2005 - 6:30 pm*

Mark Davis presents “The Chemistry of Explosives” dinner and discussion at Squealers BBQ, 86th and Zionsville Rd. (\$15 charge, students - \$7)

RSVP to Marty White (mpwhite@lilly.com or 276-4506) by January 24th

- *March 1, 2005 – 6:30 pm*

Joe Vinson presents “Chemistry of Marijuana in Humans” at Franklin College.

RSVP to Marty White (mpwhite@lilly.com or 276-4506) by February 22nd

- *March 24, 2005 – 6:30 pm*

Craig Moyer presents “Chemistry of Chocolates” dinner and discussion at Embassy Suites, 3912 Vincennes Road (96th and Michigan Rd. more info to come)

The ***Accelerator*** Newsletter

American Chemical Society

Indiana Section

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