



The

Indiana Section of the American Chemical Society

Accelerator

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

Chair's Corner

New Year Brings New Programs.

Welcome to 2006!

This year is shaping up to be a banner year for the Indiana Section. Thanks to the generosity of our donors, we will continue expanding our outreach programs for both our direct membership and for the public. I would like to announce the introduction of 2 new programs that I am very excited about. First, the Indiana Section will be sponsoring "IntraSection Research Presentation Grants". This program will provide travel and meeting space money for faculty researchers and industrial speakers to present their research at colleges and universities in the Section. Our hope is that these grants will increase intrasection relationships and communication, especially between researchers. It is our intention that it will lead to greater research cooperation and further scientific learning. Second, our section

will begin sponsoring an Earth Day event in Muncie, the second largest city in our Section. We are partnering up with the Ball State Student Affiliate (SAACS) to present an all day science exhibit on the Cardinal Greenway. This is the first time we will present an Earth Day event and use this program as another forum to show how chemistry affects the public and the world around them. Look for more information on these 2 new programs in upcoming issues of the Accelerator.

In addition to new programs, we also have some new people on the Executive Committee for 2006 that I would like to introduce to you. Beth Lorsbach of Dow AgroSciences will be serving as the Chair-Elect for 2006. You can find her bio in this issue. Our new program chair this year will be Annette Brown, who is moving from the Accelerator editor to this important job. She has worked hard

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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.

2005 Election Results!!!

Thanks to all who voted in the 2005 Elections. 114 ballots were returned. Listed below are the elected officers for 2006. Brian Mathes, Chair, and Beth Lorsbach, Chair-Elect, have included biographies which can be found in this edition of *The Accelerator*.

Chair	Brian Mathes	Eli Lilly and Company
Chair-Elect	Beth Lorsbach	Dow Agrosciences
Treasurer	Patrick Walsh	Retired
Secretary	Angela Bridges	Lab Support-Indianapolis
Councilor (06-08)	Ann Hunt	Retired
Alternate Councilor	Dawn Brooks (06-08)	Eli Lilly and Company
	David Mitchell (06-07)	Eli Lilly and Company
	Laura Slocum (06)	University High School of Indiana
Members-At-Large	Ann Cutler	University of Indianapolis
	Marshall Parker	Dow AgroSciences
	Corinne Deibel	Earlham College

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

Staff Biographies

Brian Mathes Chair 2006

Brian is a native Chicagoan who received his BS degree in Chemistry from Ball State University in 1994 and an MA in Chemistry from the University of North Carolina, Chapel Hill in 1996. He has been a Discovery Medicinal Organic Chemist at Eli Lilly since 1996 and our local section's Public Relations Chair since Fall 2002. He has won Chemluminary awards for his excellent public relations work for the Indiana Section.

Beth Lorschach Chair Elect

Beth received her bachelor's degree in Chemistry from Boston University. She continued her studies at the University of California, Davis, earning a Ph.D. in Organic Chemistry. She joined Dow AgroSciences in 1999, where the focus of her career has been early stage Discovery efforts. Beth has made major contributions to several areas in Discovery over the past six years. She coordinated multi-disciplinary efforts to exploit target sites and has led several active generation teams. In recognition of her contributions, Beth received the 2001 Discovery Recognition award

for Innovation and Creativity. Beth has been a member of the American Chemical Society for fourteen years. When not in the lab, Beth enjoys reading, movies, and football.

James Ruiz Accelerator Editor

James received a bachelor's degree in chemistry from St. Mary's University and a doctorate in physical chemistry from the University of Texas at Austin. In 1990, he joined the Dow Chemical Company. For the next 10 years, he developed and applied models for the optimization of zeolite catalyst activity and physical properties of polyolefin polymers and blends. In 2000, he joined the Computer Aided Molecular Design group of Dow AgroSciences. Here he developed structure/activity models to predict properties and help design molecules for Lead Generation in the Discovery R&D Organization. Currently, James is the group leader and co-project leader for the Natural Products Active Generation team. The team's goal is to discover and exploit bioactive Natural Products as leads. James has been an ACS member for 22 years.

Chair's Corner

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to put together a great program for us this year. Finally, Corienne Deibel and Lori Watson from Earlham College have joined us as the YCC/Poster Session Co-Chairs.

The final part to make this year as successful as possible is your involvement. I hope you all make an effort to come to at least one of our diverse events this year and take advantage of all the Indiana Section has to offer.

Brian Mathes, Chair

Indiana Section Undergraduate Travel Awards

Our ACS section is into its third year of this Undergraduate Travel Award and we have had terrific success. We have provided \$3000 of aid to 8 undergraduates in the past 2 years.

Our membership and executive committee believe that travel to meetings is an integral part of the education of new chemists. Our section has decided to set aside a sum of \$1500 per year for the travel of students to Regional and National Chemistry meetings. This will allow us to make travel assistance in the amounts of \$200 to \$400.

Students may self-nominate or work with their advisors to apply. In order to facilitate this distribution of money, we have set up a committee to receive proposals. **The deadline for application is Feb 28, 2006.**

Students are required to send in a letter explaining their travel plan along with a letter of recommendation from their advisor.

Students will be given preference in the following order...

1. A student affiliate of the ACS
2. Presenting research

Proposals and letters of recommendation may be sent to the following address...

Brian M Mathes
Lilly Corporate Center DC0528
Indianapolis, IN 46285
mathes@lilly.com

ACS Scholars Program Accepting Applications

The American Chemical Society (ACS) Scholars Program is now accepting applications for the 2006-2007 academic year. This renewable, undergraduate scholarship is for African American, American Indian and Hispanic/Latino students majoring in a chemical science and planning a career in that science. Now beginning its twelfth year, the ACS Scholars Program has identified over 1600 scholarship recipients and disbursed more than \$8.2 million since inception in 1994. More information and the application documents are available on the web at <http://chemistry.org/scholars>, by calling toll-free 1-800-227-5558, ext. 6250, by sending an e-mail request to scholars@acs.org, or by writing to American Chemical Society Scholars Program, 1155 16th Street, N.W., Washington, D.C. 20036. Application deadline is March 1, 2006.

To find up to date information about Local Section activities,
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6th Annual Poster Session at Dow AgroSciences

On Monday October 10, the Indiana Section of the American Chemical Society hosted its 6th Annual Poster Session at Dow AgroSciences. The event attracted poster presentations from industrial scientists and undergraduate and graduate students from across central Indiana. The event was co-sponsored by Dow AgroSciences and Eli Lilly with additional support from the Local ACS Section. Over 100 people attended the event and 62 posters were featured. Academic poster presenters (graduate and undergraduate students) hailed from Ball State University, Indiana University - Kokomo, IUPUI, DePauw, Wabash College, Indiana State University, Anderson University, Earlham College, Butler University, and Rose-Hulman Institute of Technology. Local industry was represented by Dow

AgroSciences, Eli Lilly & Co., Heritage Environmental Services (an environmental waste management company), and Woodard, Emhardt, Moriarty, McNett & Henry LLP (a patent law firm). At the poster session, the Local ACS Section highlighted its accomplishments from 2004 and its recent three ChemLuminary awards for Public Relations, National Chemistry Week, and Outstanding Section. In addition to the poster presentations, attendees were treated to tours of Dow Agro's facilities. Participants enjoyed dinner and a keynote address by Gary Lindgren, CHMM, the Senior Vice President for Compliance at Heritage Environmental, LLC, entitled "Hazardous Materials Regulations at 25 Years."

Hilary Eppley - YCC Chair



Earlham College Professors Corinne Deibel and Lori Watson with Hilary Eppley (DePauw University Professor and Younger Chemists Committee Chair) and Jim Renga, (Member at Large, Dow AgroSciences).



Brian Mathes (Eli Lilly and Co., Section Chair) and Laura Slocum (Past Chair and University High School Teacher) discuss a poster with University High School Student, Vijay Ramesh.



Poster session attendees mingle in the Dow AgroSciences atrium

Photos by David Cooper, Bulldog Media.

National Chemistry Week 2005

“The Joy of Toys”

The Joy of Toys was celebrated at the National Chemistry Week festivities at the Children’s Museum of Indianapolis on Saturday, November 5. Over 200 volunteers and 3500 museum guests participated in fun interactive experiments about the positive contributions to the toys that children love. The Indiana Section of the American Chemical Society coordinated the event, with the assistance of 10 professional organizations, companies, and universities in Indiana. Four photos from the event were featured in the December 12 issue of C&E News, including the cover photo of children blowing bubbles at the Dow AgroSciences activity table! Congratulations to our event photographers, Julie Elaine Switzer and Jeff Johansen.

Children signed a giant Happy Birthday card for Play-Doh, which is 50 years old this year. Bubbles, lava lamps, Easy Bake ovens, and more toys were used to teach children about the interesting chemistry behind their favorite toys. In the 13th Annual High School Competition, five area schools presented science demonstrations, hands-on experiments, and skits about a chemistry of toys theme. Zionsville High School, with their Poly Play! activities, won the competition and took home a \$250 prize. Delta High School in Muncie was awarded 2nd place, and Warren Central High School took third.

The Indianapolis-area National Chemistry Week celebration was sponsored by the Indiana Section of the American Chemical Society, Dow AgroSciences, and Eli Lilly and Company, with in-kind support from the Children’s Museum of Indianapolis. Thank you to all of the students, teachers, and industry volunteers who made this event another great success for the Section!





The Intel International Science and Engineering Fair (ISEF) is Coming to Indianapolis, May 7-12th, 2006.

The Intel International Science and Engineering Fair (IISEF) is a culmination of the regional and state fairs across the U.S. and in over 40 countries. Over 1600 of the best students from these fairs will come to Indianapolis May 7-12, 2006, to present their research and to compete for over \$1 million in prestigious scholarships and awards. More than 1000 judges are needed to judge the students' projects at this extraordinary event. **Chemists, biochemists, environmental scientists and chemical engineers – we need you!** Judges must have a Ph.D., M.D., or equivalent degree, **OR** a B.A., B.S. or a M.S degree with at least 6 years technical experience...but no previous science fair judging experience is needed. Judges will need to be available in the afternoon and evening of Tuesday May 9th and all day on Weds, May 10th. In addition, at least 600 general volunteers are needed to help with registration, operations, educational outreach programs and special events. Additionally, interpreters will be needed for some of the international students during the judging portion of the event.

For further information about becoming a judge, or to register as a judge or volunteer, please visit www.intelisef2006.org. Please contact Dawn Brooks (brooks_dawn_a@lilly.com) with any questions.

ACS Responds to Members Affected by Gulf Coast Hurricanes

Following the devastation to the Gulf Coast wrought by this year's major hurricanes, a Hurricanes Response Task Force was created to identify ways in which the Society can help ACS members who live and work in those areas.

At the recent ACS Board of Directors meeting, the Board voted to accept the recommendations made by the Task Force:

- That the Society declare a suspension of dues for a period of 12 months to the 302 ACS members in the hardest hit regions affected by the Gulf Coast hurricanes. These members will be moved to an unemployed dues waiver status and be treated as "paid active" for a period of 12 months, starting the date following the current paid date.
- That all members (approximately 564) in the postal zip codes that were at one time considered undeliverable be eligible to "opt – in" to the unemployment dues waiver status. Members will have the option to continue their dues as routine, or postpone dues payment via an "opt – in" feature.

Members in the affected areas will soon be notified. The Board expressed its appreciation to the Hurricanes Response Task Force for its effective response to this significant crisis.

Mark your Calendar for these UPCOMING EVENTS!

February 15, 2006 Thomas Holme, University of Wisconsin Milwaukee presents
“Chemistry, Society and Science Fiction”

Dinner and Discussion - \$15 per person, students, \$10
6:30 PM Sahn's at the Plaza Downtown Indianapolis
135 N. Pennsylvania, 2nd floor of the First Indiana Plaza
(call for directions 637-2850)
RSVP to Marty White at 276-4506 by February 10th.

March 8, 2006 Val Krukonis, Phasex Corporation presents
“Super Critical Fluids: They're Here”
Dow AgroSciences

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