



The

Indiana Section of the American Chemical Society

# Accelerator

Visit our website: <http://membership.acs.org/i/indiana/>

## Chair's Corner

Wow! Where did the summer go? I actually swept some leaves out of my garage just the other day. It's hard to believe that autumn is already here. For the faculty and students in our section, that means back to the old grindstone—classes, exams, meetings, and research. Speaking of research, I hope that you are planning on joining us on Thursday, October 15th at the 10th Annual Poster Session at Dow AgroSciences this year. This is a great opportunity not only to meet the other members in your section but also to see some of the wonderful research performed by the undergraduate and graduate students and members of industry in our area. Immediately following the poster session, Dr. Ralph O. Allen will be giving a lecture entitled, "Uncovering the Secrets of the Ancient Nile." Please contact me at [jwribblett@bsu.edu](mailto:jwribblett@bsu.edu) if you have any questions, to submit an abstract, or to register for the meeting.

Also this fall, we have a Safe Science Seminar, Wizards Academy, electronic elections, and the National Chemistry Week Celebration. Dr. Ken Roy will be the featured presenter at the Safe Science Seminar on Monday, October 12th at the Decatur Intermediate Learning Center in Indianapolis. He will be discussing OSHA standards, safety protocols, and professional liability in the laboratory. There is a small fee of \$5 to cover a light dinner. Please contact Chemain Arens at [carens@uindy.edu](mailto:carens@uindy.edu) by October 5th to reserve a seat.

Wizards Academy is a unique program held at the Indiana Medical History Museum where children and parents are introduced to science from a magical perspective. After a lesson with magical creatures, children are separated into "houses" for additional lessons in levitation, transfiguration, and incantations. This year, Wizards Academy will be held on Sunday, October 25th. For more information, please contact Virginia Terpening at [edenharter@imhm.org](mailto:edenharter@imhm.org).

In an attempt to increase participation while reducing costs, we will be holding on-line elections this fall. Members soon will be receiving an email with links to the ballot and candidate biographies. Submitting your ballot this year will be as simple as clicking your mouse. We do understand that some of our members do not have email or internet access, so we will be providing paper ballots to members without email addresses and upon request to those members who prefer traditional methods.

Our annual National Chemistry Week Celebration (NCW) is one of the longest running and most successful ACS activities. Each year, thousands of children are astounded and amazed by the many hands-on activities and demonstrations local scientists perform at the Children's Museum of Indianapolis. This year, NCW will be held once again at the Children's Museum on Saturday, November 7th. Please see the article in this issue for more information.

If you've read this far, you hopefully have noticed that we have a very active section. We could always use more volunteers, more participation, and more of you at each of our events. Please come out and see what makes our local section so special. Thank you.

Jason W. Ribblett

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### Newsletter Editor

Denise Cudworth  
[dpcudworth@dow.com](mailto:dpcudworth@dow.com)

### Publicity Chair

Brian Mathes  
[mathes@lilly.com](mailto:mathes@lilly.com)

### Section Chair

Jason Ribblett  
[jwribblett@bsu.edu](mailto:jwribblett@bsu.edu)

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 Editor is responsible for all unsigned and staff articles.

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To find up to date information about Local Section activities,  
visit our website: <http://membership.acs.org/i/indiana/>

## Green Chemistry

Green Chemistry was the topic of our July programming with Nelson Shaffer traveling from Bloomington to discuss a wide range of topics centering on CO<sub>2</sub>. Mr. Shaffer's very informative talk discussed everything from CO<sub>2</sub> capture and sequestering, to using CO<sub>2</sub> for the manufacture of new products, to the proper use of energy resources. Mr. Shaffer challenged the audience to look at energy, CO<sub>2</sub> and global warming in a holistic approach and make our decisions based on that and not on small microcosms. Afterwards, Mr. Shaffer moderated a lively discussion on global warming and human impact upon it, as well as understanding the energy lifecycle. Thanks to Mr. Shaffer for his time, and we hope to have him back and presenting in the near future. Thanks also to the University of Indianapolis for hosting the event.

Brian Mathes

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## Congratulations!

Dawn A. Brooks, Ph.D., Director of API Operations in the Product Research & Development for Eli Lilly & Company, and Indiana local section Councilor and Women Chemists Committee Chair, was elected to the ACS National Committee on Committees at the 238<sup>th</sup> ACS National Meeting in Washington, DC in August 2009. Congratulations, Dawn!

## Electronic Elections

The upcoming Indiana Section elections will be held electronically this year. We will email members with a link to the ballot in October. To vote, you simply click on the link and make your selections. If you prefer to receive a paper ballot, please contact Lindell Ward at (317) 467-3607 or Lindell.Ward@covance.com by Friday, October 9<sup>th</sup>. Ballots must be received by November 1<sup>st</sup> to be counted. If you have any questions or concerns, please contact Jason Ribblett at jwribblett@bsu.edu. Jason Ribblett

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## Baseball and Chemistry

A spirited crowd of 29 chemists attended the 8th Annual Baseball and Chemistry Night at Victory Field. The group witnessed the Indians take on the Charlotte Knights and defeat them 6-4. As usual, the crowd was challenged and entertained by this year's trivia which focused on the measurements of a baseball field. We had 10 new participants in the Indiana local section show up for that night, so it was a complete success in getting new membership out and involved. Look forward to next year's event, which is likely to be July 26, 2010.

Brian Mathes



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### 10<sup>th</sup> Annual Indiana Local Section American Chemical Society Poster Session

Poster Presentations from Area Colleges, Universities and Industries

#### Special After Dinner Presentation

**Dr. Ralph O. Allen**

**University of Virginia Office of Environmental Health and Safety  
presenting**

**“Uncovering the Secrets of the Ancient Nile”**

**October 15, 2009**

**Dow AgroSciences LLC**

**Indianapolis, IN**

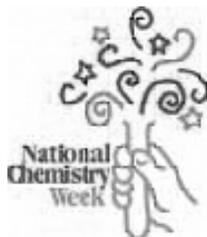
**4:30 PM – 9:00 PM**

Dinner is free for poster presenters and all students, \$10 for everyone else For free registration, abstract submission, and/or dinner reservations, visit <http://membership.acs.org/i/indiana/> to register and submit abstracts

Abstract Deadline: 10/03/09      Registration Deadline: 10/09/09

For Poster Session Questions, email John Atkinson at [JMAtkinson@dow.com](mailto:JMAtkinson@dow.com) or Allison Rector at [AllisonRector@dynaloy.com](mailto:AllisonRector@dynaloy.com).

For Abstract Submission Questions, email Jason Ribblett at [jwribblett@bsu.edu](mailto:jwribblett@bsu.edu).



Mark Your Calendars *Chemistry-It's Elemental!*  
**National Chemistry Week Celebration**  
The Children's Museum of Indianapolis  
November 8, 2008



The 2009 Indiana Section will celebrate National Chemistry Week on Saturday, November 7, from 10 am – 3 pm at The Children's Museum of Indianapolis. This year's theme coordinates with the 140th anniversary of Mendeleev's Periodic Table of the Elements, and is a wonderful opportunity to investigate and appreciate the discovery and use of the elements in every aspect of our lives. **Watch the Local Section website (<http://membership.acs.org/i/indiana/>) for updated information about our plans and activities!**

Your help is needed to make this event one of the best science education events in the state! Start planning now for how you would like to be involved! We are still working out the details of our events and plans, but the information below will give you an idea of what we are considering. If you have other ideas for fun, educational events, please contact us!

#### **Community Charity Event – Canned Food Drive**

This year's theme provides us with a wonderful opportunity to help organizations in need and have fun at the same time. We are organizing a charity event in partnership with the Wheeler Mission to collect canned food items. Please let Faith Musko ([fmusko@aitlabs.com](mailto:fmusko@aitlabs.com)) or Maria Rizzo ([mrizzo@clarian.org](mailto:mrizzo@clarian.org)) know if you'd like to get involved.

#### **18<sup>th</sup> Annual High School Chemistry Competition**

In light of last year's success, we are asking high school teams to submit videos for this year's competition. The video submissions (minimum 5 minutes- maximum 15 minutes) will be judged according to the following criteria: display of the theme "Chemistry—It's Elemental" innovation, hands-on activities, and teamwork efforts. The team earning the most points will be deemed the top scorer. The video will be presented at The Children's Museum of Indianapolis during NCW. A short awards ceremony will occur at The Children's Museum of Indianapolis on the morning of Saturday, November 7, 2009 in the Lilly Theatre. If you would like to serve as a judge for the competition or have questions contact Jingdan Hu ([huj@lilly.com](mailto:huj@lilly.com)) or Jianping Huang ([huang\\_jianping@lilly.com](mailto:huang_jianping@lilly.com)).

#### **Chemistry Activities at The Children's Museum**

Local companies, universities, and professional organizations are needed to provide interactive experiments and demonstrations related to *Chemistry-It's Elemental*. This is a great opportunity to enhance the understanding of chemistry and how elements are the basis of the entire universe and of life on Earth. To inquire about sponsoring a booth, please contact Erin Dotlich ([dotlichem@lilly.com](mailto:dotlichem@lilly.com)), Viola Kimbowa ([kimbowavs@lilly.com](mailto:kimbowavs@lilly.com)), or Santosh Kaushal ([skaushal@hoosiergasket.com](mailto:skaushal@hoosiergasket.com))

#### **Please Volunteer for Our Award-Winning NCW Event!**

We have many opportunities for our Section members to get involved with National Chemistry Week. Most involve as little as 1-2 hours of your time. Some volunteer opportunities involve working with museum guests, while others are for behind-the-scene activities, including event planning and volunteer coordination activities. **All volunteers who help with NCW on Nov. 7 will receive free museum admission the day of the event as well as a NCW t-shirt.** To volunteer, please contact Kevin Weber ([kevintweber@gmail.com](mailto:kevintweber@gmail.com)) or Katie Schindler ([Katie.schindler@biomet.com](mailto:Katie.schindler@biomet.com))

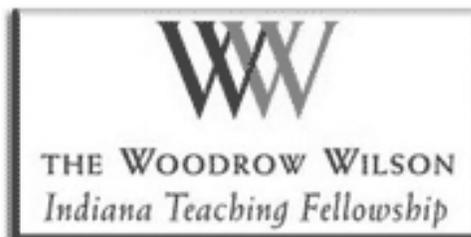
#### **Need more information?**

Contact Amy DeBaillie at [indynew@gmail.com](mailto:indynew@gmail.com) (preferred) or 317-277-4298

**Special Thanks to Dow AgroSciences, Eli Lilly and Company, and The Children's Museum of Indianapolis for continuing support and sponsorship of the Indiana Section's National Chemistry Week event.**

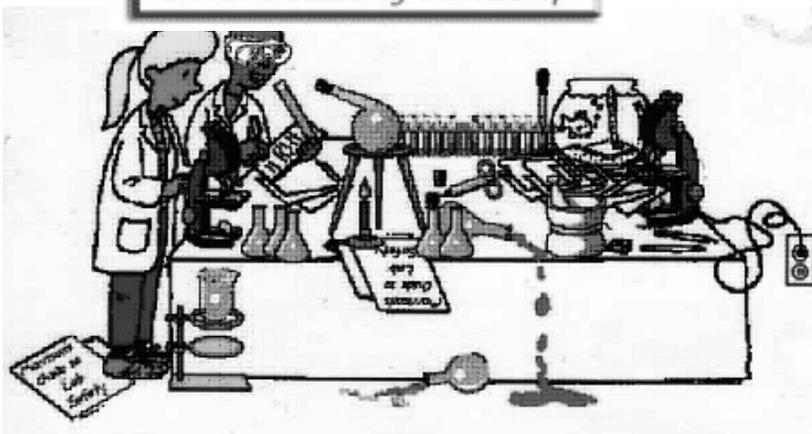
Amy C. DeBaillie

UNIVERSITY of  
INDIANAPOLIS.



# SAFE SCIENCE SEMINAR

By Dr. Ken Roy



Author of the NSTA Ready-Reference Guide to Safer Science

**Monday, October 12, 2009**

**5.00 – 8.00 pm at**

**Decatur Intermediate Learning Center**

5650 Mann Road, Indianapolis, IN 46221-4260



**OSHA laboratory standards**



**Safety protocols in the laboratory**



**Professional liability in the laboratory**

**\$5 / person – A light dinner will be provided**

**To reserve your place and food please contact Chemain Arens at**

**317-788-2051 or email [carens@uindy.edu](mailto:carens@uindy.edu)**

**BY THE LATEST Monday October 5, 2009**

To find up to date information about Local Section activities,  
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## First Call For Abstracts - 42nd Central Regional Meeting of the ACS

### *CHEMISTRY: REACTING TO PROVIDE NEW TECHNOLOGIES*

June 16-19, 2010 Dayton Convention Center and Crown Plaza Hotel in Historic Downtown Dayton, Ohio!

- Computational Materials Science: Theory, Modeling, & Simulation
- Nanomaterials: Synthesis, Structures, Functionalization & Applications
- New Vistas in Biotechnology: Chemistry, Materials & Applications
- Combinatorial Characterization in Nano-Bio Systems
- Chemistry & Materials for Alternative Energy
- Metamaterials
- Chemistry for Peace
- Small Chemical Business Programming
- Materials for Aerospace and Space Applications
- Chemical Education Symposium and HS Teacher Award
- Chemical Information and the Patterson-Crane Award
- Minority Leaders in Nanomaterials Research Workshop
- Traditional areas, such as Organic, Inorganic, Biochemistry, and P-Chem
- Student Poster Sessions

Go to <http://www.cermacs2010.org> for more information and to submit your abstract!

#### ***Pre- and Post-Meeting Attractions***

- Dayton Dragons Baseball at Fifth-Third Field, Downtown Dayton – [daytondragons.com](http://daytondragons.com)
- US Air Force Museum – [www.nationalmuseum.af.mil](http://www.nationalmuseum.af.mil)
- The Dayton Art Institute – [www.daytonartinstitute.org](http://www.daytonartinstitute.org)
- Boonshoft Museum of Discovery – [www.boonshoftmuseum.org](http://www.boonshoftmuseum.org)
- Schuster Performing Arts Center – [www.schustercenter.org](http://www.schustercenter.org)
- Historical Oregon District – [www.oregondistrict.org](http://www.oregondistrict.org)
- Carillon Historical Park – [www.carillonpark.org](http://www.carillonpark.org)
- The Dayton International Peace Museum – [www.daytonpeacemuseum.org](http://www.daytonpeacemuseum.org)
- Paramount's Kings Island (35 miles south)
- And a Plethora of Wright-Brothers Activities – [www.nps.gov/daav](http://www.nps.gov/daav)

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#### **Get Involved in the ACS Celebration of IYC 2011:**

#### **Support the U.S. Commemorative Stamp Campaign**

The ACS is working to urge the United States Postal Service to adopt chemistry as a theme for a commemorative stamp in 2011 in view of the contributions of chemistry to the wellbeing of humankind in the U.S. and worldwide and on the occasion of the 2011 International Year of Chemistry.

The USPS gets 50,000 subject requests per year and awards only 25 commemorative stamps per year. Your efforts to contribute to this cause this year are very important and very much appreciated!

#### **How to get involved:**

- Visit [www.acs.org/iyc2011](http://www.acs.org/iyc2011) to download the petition
- Distribute the petition for signature among your colleagues, students, and friends (all chemists and friends of chemistry are encouraged to sign!)
- Mail or FAX completed petitions to the ACS Office of International Activities no later than November 1. (see petition for fax number and address)

To learn more about IYC 2011 and to contribute ideas to the ACS celebration of this historic event, visit [www.acs.org/iyc2011](http://www.acs.org/iyc2011).

## ***Check it Out!***

## ***Upcoming Events!***

- October 15<sup>th</sup>      **ACS Poster Session**  
Professor. Allen presenting "Uncovering the Ancient Nile"  
4:30-9 PM Dow AgroSciences LLC
- October 25<sup>th</sup>      **Wizards Academy**  
2 PM    Indiana Medical History Museum
- November 1<sup>st</sup>      **Executive Committee Election Deadline**  
*See details inside!*
- November 7<sup>th</sup>      **National Chemistry Week Celebration**  
*Chemistry – It's Elemental*  
10 AM - 3 PM  
The Children's Museum of Indianapolis

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