





# Accelerato

INDIANA SECTION OF THE AMERICAN CHEMICAL SOCIETY

SPECIAL ISSUE: DEDICATED TO THE 246TH NATIONAL ACS MEETING IN INDIANAPOLIS SEPTEMBER 8-12, 2013

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# **National Meeting Chair's Corner**

by Chris Bodurow

May 2013

With only four months left before the firstever Indianapolis National ACS Meeting, the National Meeting Lead Team is in fullgear to prepare on multiple fronts for the Indiana Section hosting activities. You will find more in-

depth updates as you read through this Newsletter, but let me give you a feel for our vision for the comprehensive experience that the Indiana Section will provide.

"There are going to be literally dozens of Indianabased symposia, presentations and poster sessions throughout the course of the meeting."

As our guests arrive, they will be checking into their hotels in the downtown area. We have established with our VisitIndy colleagues that there are nineteen hotels that are connected to the Convention Center, and within blocks of the heart of the meeting. Once our guests check in and come over to the Convention Center, there will be a welcome booth co-hosted by the Indiana ACS Section (yes, we will need volunteers!) and VisitIndy. We will have a full complement of local interest information about places to see and things to do. We will also have an Indy 500 race car on Monday near the check in area where ACS guests can have their picture taken in the car, and have the image

superimposed on a cover of C&E News. Inside the exhibitors' hall, there will be another Indiana Section welcome booth, and Indy race car simulators, for all those who like to take virtual race car rides.

On Sunday, the buses will start transporting our ACS guests to the Indianapolis Motor Speedway (IMS) beginning at 8 am, to allow them to enjoy a "Day at the Track." During this summer's meeting registration process, they will be able to purchase an oval track lap in an Indy pace car, or a road course lap on the NW section of the F-1 Course in a souped-up Mini Cooper. The centerpiece of the IMS event will be the annual Celebrate Science Indiana Science, Technology, Engineering and Math (STEM) exhibition, which will be held in the exposition tents just behind the pagoda. There will be celebrity guests, a raffle for some very cool prizes, and the best part is that this will all be FREE TO THE PUBLIC! We have been diligently fund-raising to cover all Indiana Section host expenses, and especially the ACS-CSI STEM event at the IMS.

There are going to be literally dozens of Indianabased symposia, presentations and poster sessions throughout the course of the meeting. Of particular note is a "Chemistry of Racing" allday symposium that our own Sibel Selcuk has organized, featuring some very interesting chemistry, and a seven-year veteran of the Indy 500 race, Stephan Gregoire. We have multiple Indiana chemistry Leaders featured in Plenary Sessions (Drs. John Lechleiter, Dan Kittle, and Bret Huff). And there are going to be many fun celebrations that you won't want to miss, including the 90<sup>th</sup> Anniversary of C&E News.

# **National Meeting Chair's Corner**

by Chris Bodurow (Continued)

How can every member of the Indiana-based chemistry community help us? The most important thing that each and every person can do is to REGISTER and ATTEND the meeting! Spread the word as far and wide as you can within your places of work and chemistry networks around the country. We need to drive the attendance to the meeting to make it a In addition, we are in need of success. volunteers for multiple duties associated with the hosting of the National Meeting. Please go to "volunteerspot.com" and sign up today, so you can be a part of the biggest event to come to Indianapolis since the Superbowl! (OK, so I might be exaggerating a little bit there, but it IS like the Superbowl of chemistry to have a

"Thanks to everyone for their support and participation. See you all at the National ACS Meeting this fall!"

Finally, we are still in need of funding for all our hosting activities. Our sponsorship levels are Platinum \$25,000; Gold \$20,000; Silver \$15,000; Copper \$10,000; Iron \$1-5,000. If your organization is interested in contributing, please get in touch with me.



Thanks to everyone for their support and participation. See you all at the National ACS Meeting this fall!

#### Chris

Chris Bodurow

Executive Liaison for the 2013 Fall National ACS Meeting Indiana Section, ACS

email: <a href="mailto:bodurow\_christina@lilly.com">bodurow\_christina@lilly.com</a>

# 2013 Fall National Meeting - Schedule of Events, Dates & Links

#### May 29: Meeting Registration Opens

National Meeting come to town...).

(http://portal.acs.org/portal/acs/corg/content? nfpb=true& pageLabel=PP SUPERARTICLE&node\_id=1162&use\_sec=false&sec\_url\_var=region1&\_\_uuid=3da017d8-f585-49fa-a0fc-fd7922eb30ea)

September 8: 246<sup>th</sup> Annual National Meeting Opens

- Check-In at Convention Center Downtown Indianapolis
- → "Day at the Track" at Indianapolis Motor Speedway (IMS) Outreach Event (9am 5pm; <a href="http://www.indianapolismotorspeedway.com/facility/">http://www.indianapolismotorspeedway.com/facility/</a>)
- ➤ Hot laps in Indy 500 Pace Car or Mini Cooper (road course) with professional drivers
- > CSI-STEM exhibition at IMS including raffles with very cool prizes & celebrity guests
- > Firestone race tire testing demonstrations

#### September 9: Technical Program Opens

(http://abstracts.acs.org/chem/246nm/meetingview.php?page=division)

- > Photographs with Indy 500 car in Convention Center Downtown Indianapolis
- ➤ Welcome booth in Exhibition Center (<a href="http://visitindy.com/indianapolis-planner">http://visitindy.com/indianapolis-planner</a>)
- Race car simulators

September 10: Ninetieth Anniversary Celebration of C & E News

➤ Convention Center, Downtown Indianapolis; 5 – 7 pm

September 12: Meeting Closes

# Thank You to Our Sponsors (as of May 2013)

PLATINUM LEVEL







**Dow AgroSciences** 



**GOLD LEVEL** 





IRON LEVEL



**IUPUI**Chemistry & Chemical Biology





We continue to fund-raise – please let us know if your organization would be able to provide support.

# **ACS-CSI COMMUNITY OUTREACH EVENT**

by Linda Osborn, Kit Peregrine, and Sibel Selcuk



Walt Disney was right. "If you can dream it-you can do it." Transitioning from vision to reality, a festive atmosphere is emerging for our ACS-CSI public outreach event at the Indianapolis Motor Speedway (IMS) on September 8th. Open to the public from 9am-5pm, parking is plentiful and it's FREE to get in. Please join us - bring your family, friends, co-workers and help us spread

the word: there is more than corn in Indiana - there are a lot of energetic chemists too!

Have the need for SPEED? Driven by a famous race car driver, hop in a pace car and zoom around the oval track or ride in a 2013 Mini Cooper on a section of the Formula 1 track at speed. Or be entertained in a cutting-edge virtual reality racing simulator.

## **500 TRACK LAP EXPERIENCE**

This event is for ACS members and guests only

- track lap in an Indy 500 pace car on the oval with a professional race car driver
- picture with an Indy 500 race car
- three guests and one driver per car

Three Sessions: 9 - 11 am, 11 am - 1 pm, and 1 - 3 pm (Only 300 tickets for each time slot)



\$30 ACS student members \$50 ACS members \$60 non-members

#### MILES AHEAD ROAD COURSE EXPERIENCE organized by Race Car Driver Stephan Gregoire

Open to the public (must be 18 or older with ID)

- hot lap on the north section of the Formula 1 road course at speed by a professional race car driver
- Pi picture with the 2013 John Cooper Works MINI Cooper Hardtop—1 guest and 1 driver per car



\$25 members \$30 non-members

Two Sessions: 10AM - Noon 1 - 3PM



Michael Young will be our master of ceremonies - introducing our guests of honor. Stephan Gregoire, Davey Hamilton, Martin Plowman are confirmed drivers; Sarah Fisher will make a guest appearance, and other special guest appearances are in the works. Concession

stands will be open throughout the day. Souvenirs will be available at the track or you can be shuttled to the IMS museum to enjoy a narrated historical journey where shops are open too. Learn about Firestone racing tire testing - demonstrated in an infield garage.

#### **RAFFLE**

The Indiana Section of the ACS is also holding a RAFFLE at this outreach event! 100% of proceeds go to the ACS Scholars Program. ACS awards renewable scholarships to underrepresented minority students who want to enter the fields of chemistry or chemistry-related fields. Awards of up to \$5,000 are given to qualified students. This is our way to make a difference beyond just a week in September.

- 2 SUITE tickets to the 2014 Indianapolis 500
- Indy racing experience 2-seater car ride
- Two i-PADS Gen 1

- CRC Handbook of Chemistry and Physics 100<sup>th</sup> Anniversary Ed. signed by dignitaries
- Panera Bread "Bagels for a Year" certificate.
- One of a kind Indianapolis Motor Speedway brick plaque
- Danica Patrick signed collectable 2012 1:24 scale die-cast chrome car, book "Crossing the Line", and street sign - all signed by Danica
- Derek Daly-signed copy of his book "Race to Win"



For ACS members, two buses will provide transportation from the convention center (CC) to the IMS from 8:30 am-4:30 pm. First one can be boarded at CC at 8 am — leaves for IMS at 8:30 am - alternating locations every half hour.

Special arrangements can be made to rent a Gasoline Alley suite during the event for groups up to 180 people. Students and alumni groups can unite or companies can have a special party



Have your company meet clients in a Gasoline Alley Suite

for their guests. If you want to take advantage of this offer please contact Linda: 317-390-3188 /linda.osborn@hrglab.com

- 1-Bay suite—\$500 (holds 60 people)
- 3-Bay suite—\$1200 (holds 180 people)
- Catering available through IMS vendors

We would love to have more sponsors and more raffle items. If you have ideas and suggestions please contact us!

Chemistry in Motion is the theme of the National ACS meeting; as we all rally together for this community outreach event, we will reveal the results of many dedicated INDIANA Local Section Chemists in Motion!



# ACS Teams Up with Celebrate Science Indiana to Promote STEM Education

by Jenna Marston and Jeannie Phillips

Have you ever wondered what an earthquake feels like? How meteorologists know it will rain? What kind of bugs you can eat? You can learn the answers to these intriguing questions and more by attending Celebrate Science Indiana (CSI), Sunday, Sept. 8. This year the ACS is partnering with this great science outreach event at the Indianapolis Motor Speedway (IMS) to kick-off the Indianapolis National Meeting.



CSI attracts more than two hundred fifty presenters of interactive K-12 Science, Technology, Engineering and Math (STEM)related experiences. They will be joined by ACS exhibitors in town for the National Meeting who also have engaging activities to share. The ACS Committee on Community Affairs will present their STEM-related programming linked to the "Chemistry in Motion" National Meeting theme, IMS representatives will showcase companies working in areas related to car racing

such as fuels, materials, and racing-related components.

We invite and encourage everyone in our community to come out and enjoy a day of free, learning, intended to provide opportunities to investigate and explore all There is something to be areas of STEM. learned by grade school students as well as those who are seventy years young. We look forward to visiting with past attendees of CSI as well as greeting those who will be coming for the first time including our ACS and IMS STEM We hope you will join us for this enriching fun unique, and educational experience!



# Chemistry in Motion - College Challenge

by Bob Pribush

Are you ready to participate in a fun, friendly, yet competitive event in Indiana's Circle City, home of the Indianapolis 500? Then join the Chemistry in Motion College and University Challenge! Register for upcoming 246th ACS National Meeting & Exposition in Indianapolis, IN during the early registration period that begins May 29. The CHALLENGE registration deadline is August 23.

This Challenge creates an opportunity for college and university students in the United States and Puerto Rico to present their research



and compete with one another for points to win incredible prizes. Please do not be intimidated by your competition! Pit your school's most innovative and studious ACS undergraduate and graduate student members against the best in the Midwest, and enjoy the entertainment, excitement and great times that await you in Indianapolis.

Prizes will be awarded to 1) graduate chemistry degree granting and 2) undergraduate chemistry degree only granting colleges and universities that have the most points based on the following point system:

- For each participating school, one point will be awarded for each student who registers for the 2013 ACS Fall National Meeting.
- For each participating school, five points will be awarded for each student who presents a research poster or oral presentation.

There are no limits on the total number of registrations or posters/presentations for any participating school. Winning schools will have the highest combined point totals for

registrations and/or posters/presentations.

Now, the question that you must ask yourself is, "Am I willing to take on the Chemistry in Motion Challenge?" If so, the rewards are great. Enjoy Indianapolis, share your knowledge of chemistry with others, promote the sciences, have a great time and, if you win the Challenge, speed around our world-renowned Speedway track in an Indy 500 pace car with an Indy 500 driver, take home keepsake photos of you with famous race car drivers, and receive travel grant funds to offset expenses for your school. Fuel up, sign-up now, and get to Indy for the 246th ACS National Meeting and Exposition.

Win a \$1000 travel grant to the ACS Fall National Meeting & Exposition and a victory lap...full details at www.acs.org/indy2013 or www.acsindy.com.

# Theme Speakers for the 2013 Indianapolis ACS Meeting

by Scott Sheehan

R. A. Weiss, Theme Coordinator

#### Kavli Lecture:

Prof. Harry Gray, California Institute of Technology

Arnold O. Beckman Professor of Chemistry and Founding Director of the Beckman Institute.

Title: Pending

#### Plenary Session 1:

Prof. Naomi J. Halas, Rice University

Stanley C. Moore Professor in Electrical and Computer Engineering; Professor of Biomedical Engineering, Chemistry, Physics & Astronomy; Director, Laboratory for Nanophotonics

Title: Pending



### Plenary Session 2:

<u>Dr. Dan Kittle</u>, Dow AgroSciences Global Leader of Research and Development

Title: Pending



#### Plenary Session 3:

Dr. Brett Huff, Eli Lilly

Vice President of Chemical Research and Development

Title: Pending



# **High School Day**

by Erica Adams

# A Day Designed Just for YOU!!!

Presentations include the following topics:

- Classroom activities with the Journal of Chemical Education (including hands-on activities)
- Modeling curriculum with one of the founding developers, Larry Dukerich, and several high school teachers (including hands-on activities)
- Model animations at the art/science interface from DePauw University
- Chemistry of racing from Dallara Racing
- Chemistry of alternative fuels from Zucrow Laboratories at Purdue University
- Assessment methods from the ACS Examinations Institute
- Inquiry-based classroom activities from Target Inquiry



Continental breakfast and the HS/College interface luncheon are included with your \$95 registration fee. You do NOT need to be a member of ACS to attend the meeting at the HS teacher rate. Registration gives you access to the ENTIRE ACS National Meeting and Exposition Hall. This gives you a wonderful opportunity to experience an ACS National Meeting nearby, too.

More information can be found at - www.acs.org.

We look forward to seeing you soon and please contact us if you have questions -

Co-Chairs: Laura Slocum

(leslocum621@gmail.com) Erica Posthuma-Adams

(eadams@universityhighschool.org)

# Chemists From Around the World

by Erin Dotlich

In September, when Indianapolis hosts the 246th Fall National Meeting, Indianapolis will also be hosting chemical enthusiasts from not only all over the United States, but all over the world as well. Seven young chemists are participating in an international travel program funded through the International Young Chemist Committee (YCC) program of the ACS. Jens Breffke of Germany and a graduate student at Penn University serves on the national YCC and leads the International Presence Working Group. Annually, Jens takes a group of chemists from around the world to one host city where a chemistry convention is being held. This year's team will be traveling to Indianapolis. Indiana section YCC will help host the seven international YCC visitors throughout their stay. A tour of Lilly corporate headquarters is currently being planned for the group. A "day in the city" is also being planned where the group will be taken on a tour of the city to include admission to some of our area's top attractions. This group consists of four ladies and three gentlemen, all of whom are under the age of thirty-five. One Indianapolis YCC member who participates in hosting this crew will be invited to attend next vear's International Chemist travel program in the country of Turkey!

That's not all!!!! The Purdue US-China Ecopartnership for Environmental Sustainability is an organization focused on building U.S.-China collaborations in order to address the challenges of environmental sustainability, climate change, and energy security by leveraging and enhancing the capacity of member universities, research institutes, and industry partners. Strategy includes fostering collaboration between faculty, students and others to research promote member technologies that are



licensable in China, and exploring options for developing technologies that could transitioned to the marketplace. Purdue University has worked diligently to organize a trip for a group of Chinese CEOs of chemical companies to attend the ACS National Meeting in Indianapolis. For the intellectual property (IP) enforcement section we have secured a senior representative of the Chinese law firm Jun He Law (one of the oldest IP firms in China) as guest speaker. The ACS has invited the director of the Utah-Qinghai eco-partnership to discuss successful commercialization their technologies from Utah universities and small companies in the Chinese market and to speak about State-Province level promotions. To learn more visit:

http://www.purdue.edu/discoverypark/ecopartnership/



# Where's Milli Mole?

by Paul Lewer and Bob Pribush

The National ACS office working with our Section to promote the National Meeting using Milli Mole, our cuddly chemistry icon. Ads featuring Milli Mole in a variety of wellknown locations in Indianapolis will be posted in each edition of Chemical and Engineering News between now and the meeting. Plans to offer readers the chance to choose the next location where Milli Mole will appear by using voting options are being So - where do YOU explored. think Milli Mole should appear next?







Vote on the ACS Network/Facebook? and create Milli's itinerary. There are so many great things to do in Indy that she hasn't decided yet. You could win.... tristique senectus et netus et malesuada fames ac turpis egestas. Vestibulum torto Learn more at.....

Join us for the 246th American Chemical Society National Meeting & Exposition CHEMISTRY IN MOTION • INDIANAPOLIS, IN • SEPTEMBER 8-12, 2013









# **Advertising in New Orleans!**

by Linda Osborn

A few of our local ACS Executive Committee members were able to attend the National Meeting in New Orleans April 7-11 along with Bob Desautels from VisitIndy. They set up and manned the booth (photo on right provided by Bob Desautels) to advertise our upcoming meeting in Indianapolis. Dawn Brooks, LuAnne McNulty, David Mitchell, Bob Pribush, and Sibel Selcuk all agreed after attending the New Orleans meeting that attendance is critical to the success of our Fall Meeting in Indianapolis. Any way that you can help us boost attendance would be appreciated.



The national executive board is really excited about our community outreach event; they will all travel to the IMS after their board meeting on Sunday which is from 12 pm - 1 pm.

# Chemical & Engineering News' 90th Anniversary Celebration Event

by Bob Pribush

The C&EN ninetieth anniversary celebration event at the 246th National Meeting and Exposition will be held on Tuesday, Sept. 10 from 5 pm to 7 pm in the Indianapolis convention center. The speaker will be a culinary celebrity whose identity was just revealed in the May 13 issue of C&EN. As part of their 90th anniversary celebration, C&EN proudly presents celebrity chef and author ALTON BROWN at a live event on September 10. Mark your calendars and plan to be delighted, amused, and entertained by this famous host.

ACS will also debut a webinar on food authentication at the C&EN/ACS booth in the expo hall on Tuesday, Sept. 10 at 11 am. The



**V**olunteerSpot

webinar, which is part of the C&EN anniversary celebration, will be a virtual event with speakers participating electronically. Folks at the meeting and elsewhere can participate in the webinar from their computers or they can view it at the booth. Following the webinar will be a C&EN birthday cake at the booth.

# **HELP WANTED!!!**

by Erin Dotlich, Tony Trullinger, Dawn Brooks and Brian Mathes

As previously outlined in the articles in this edition of the Accelerator, there are many great things that the Local Section is doing to support the upcoming ACS meeting here in Indianapolis. We would like to direct your attention to three specific activities for which we need your help.

Hospitality and Volunteers - The first activity is the kick-off ACS-CSI Indianapolis Motor Speedway public outreach event and the second is the hospitality booth at the

convention center during the meeting. Both of these events are very important for not only the meeting in general, but specifically in how we as a local section welcome the greater chemistry community to our city. We ask that each of you thoughtfully consider volunteering to help the local section by participating in one (or both!) of these events. In an effort to streamline the process we have chosen to use an online volunteer managing

program, VolunteerSpot, to organize our volunteers. During late May to early June you will receive communication via email on how to volunteer using VolunteerSpot to support your local colleagues in hosting the best possible meeting.

Click here to sign up on

Additionally, your National Meeting Lead Team Marketing Committee needs your help! Many have worked diligently to bring this meeting to Indianapolis and make this vision a reality. Can you help us achieve a larger than expected



attendance? Can you help make our Community Kick-Off Event and the National Meeting a huge success? Can you help us leave a lasting impression that will drive the ACS and its members back to Indy for a round two? We need YOU to help us get the word out! Can you print off some of our brochures to pass along to colleagues? Can you visit and share our websites? Would your company like to serve as a sponsor for our kick-off event or become an exhibitor at the National Meeting Expo? acceptable, could you send a communication about the meeting to your company or University's internal communications source? Do you have a connection in the media that would help us advertise?

Currently, we are excited to advertise the National Meeting and community kick-off event to the best of our ability on an economic budget. We plan to utilize sources such as email blasts, internal employer communications, The Accelerator, Craigslist, free or inexpensive local paper and online ads. The Indy meeting will be heavily marketed through the national office, in the ACS newsletter and on the www.ACS.org/indy2013 site. We have also started our own sites. such www.acsindy.com, to help advance promotion of the meeting as well as social media sites. We plan to ramp up efforts with the national office which includes the development of an outreach



Want to know how you can find out more about the 2013 Fall National Meeting and community outreach kick-off event or help us to promote them?

Visit: www.ACSINDY.com!

Print off our brochures or flyers, find out about sponsorship, read about our college challenge or community outreach kick-off event, sign up to volunteer, read about our area's best attractions and much more! You can also check out our to our social media sites!



https://www.facebook.com/#!/ACS2013FalINM
https://www.facebook.com/events/601049169911151/

**2013 Fall National Meeting of the American Chemical Society** 

Exhibition spots are currently available. Sponsors are always welcome.

General registration begins May 29th.

Keep following us at the above mentioned sites or visit also <a href="http://www.acs.org/indy2013">http://www.acs.org/indy2013</a>

# **ACS Short Courses and Discounts**

by Paul Lewer and Bryan D. Tweedy (ACS Product Manager)

The ACS will be holding twenty-seven Short Courses at the National Meeting in Indianapolis in September 2013 to help you gain invaluable training in just a few days. Links to these are provided below. Short Courses from the ACS give you the tools to stay on top of new technology, growing trends in the science industry and basic skills you need to advance your career all while interacting in a face-to-

face environment with other professionals. Indiana Section ACS members qualify for a discount of \$200 off the price of any short course at the Indianapolis meeting, relative to non-members, with prices as shown below. When registering, please enter the code INDY to receive the discount. If you have any questions, please contact the ACS Department of Professional Education at 1-202-872-4508.

Short course pricing: ACS Members: one-day course - \$895; two-day course - \$1695; three-day course - \$2095; non-members: one-day course - \$1095; two-day course - \$1895; three-day course - \$2295

- 1. <u>1-D and 2-D NMR Spectroscopy: Structure Determination of Small Molecule Organic Compounds</u>
- 2. Applications of Biosteres in Drug Design
- 3. Applied Computational Modeling
- 4. Capillary Electrophoresis of Biomolecules
- 5. Chemical Engineering for Chemists
- 6. Chemical Toxicology: A Chemist's Roadmap to Reduce Bioactivation Liabilities in Drug Candidates
- 7. Computer Assisted Drug Design
- 8. Dispersions in Liquids: Suspensions, Emulsions, and Foams
- 9. <u>Drug-like Properties: Optimizing Pharmacokinetics and Safety in Drug Discovery</u>
- 10. Effective Supervision of Scientists and the Technical Staff
- 11. Effective Technical Writing
- 12. Essentials of Organic Chemistry
- 13. Fundamentals of High Performance Liquid Chromatography
- 14. Improving Drug Candidates by Design: Physicochemical Properties and Compound Success
- 15. <u>Introduction to Drug Metabolism: Role and Practice in Drug Discovery and Development</u>
- 16. Mastering the Art of Writing Reasonable Organic Reaction Mechanisms
- 17. NMR Spectral Interpretation and Organic Spectroscopy: A Problem-Based Learning Approach
- 18. Oral Bioavailability Assessment in Preclinical Species and Human
- 19. Organic Synthesis: Methods and Strategies for the 21st Century Chemist
- 20. Particle Surface Modification Technologies for Improving Properties and Applications
- 21. Polymer Science and Technology
- 22. Polymeric Coatings
- 23. Practical Applications of Mass Spectrometry for Small Molecules
- 24. Practical Approaches to Patents and Other Forms of Intellectual Property
- 25. Project Management for Technical Professionals
- 26. Scaling from Milligrams to 1-2 Kg: Making The First GMP Batch
- 27. Statistical Analysis of Laboratory Data

May 2013

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See you at the 246th ACS National Meeting in Indianapolis Sept. 8-12, 2013!



"Never doubt that a small group of thoughtful, committed people can change the world. Indeed, it is the only thing that ever has." -- Margaret Mead

The Indiana Section of the American Chemical Society publishes the Accelerator at least three 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.