



The

Indiana Section of the American Chemical Society

Accelerator

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

Chair's Corner

The Lazy Days of Summer are upon us and the Indiana Section is taking advantage of these laid back times to present some fun events. The lengthening days (and Daylight Savings Time) allow us for some fun time after work and school. Our 5th Annual Baseball night in July takes advantage of this. This is a great time to relax, catch a ball game and meet a few of your fellow chemists. It is always a popular event and the Indians do a great entertainment job for a low price. The trivia event is also a big hit.

Summer means school is out. All the teachers (and students) I know are relieved that the school year is over and that they get a well deserved break. The section would like to show our teachers a little appreciation by hosting

them at our "Chemistry of Beer" night. I encourage all High School Science teachers to sign up for this fun event and become more connected with our section. If you know any high school chemistry teachers, please pass this Accelerator onto them and personally invite them to this event. It would be terrific to have all 45 attendees be chemistry teachers. Having just been involved with the International Science Fair judging, I have seen first hand how High School Chemistry teachers inspire and educate the future. The ACS would also like to use this opportunity to show these instructors how the ACS might help them in their educational endeavors. I look forward to seeing you all at these terrific social events.

Brian Mathes, Chair

Award's Night Ceremony

The section held its annual Awards Night on May 10th at Butler University. Dr. Ann Cutler, Assistant Professor at the University of Indianapolis, presented an "Homage to the God of Mischief: Visions and Views of Chemists Through the Ages". Awards from the High School Chemistry competition were given out (see related article), as well as recognition to the 50 Year ACS members of our section:

Ralph Carmichael
Thomas Cortese
Lowell Horwedel
D. Wendell Osborne
Maxine Rowe
Robert Staten

Also recognized was Kathryn Stickney, University of Indianapolis, for a Special Section Service Award.

High School Chemistry Scholarship Examination

The results have now been tallied for the 2006 ACS High School Chemistry Scholarship Examination recently held on the campus of Indiana University Purdue Indianapolis (see below). The event was very successful and included competitors from twenty-three schools in central Indiana with 190 students participating in the examinations. Students have once again risen to the challenge of tough questions requiring careful analysis and evaluation. The local section has sponsored this event for over 35 years and have awarded scholarships and books to hundreds of talented students. Students have opted to not only use the scholarships at Indiana

(continued on page 2)

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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:

Chemistry Scholarship	2
Results	
Intel International Science ... 3	
and Engineering Fair	
By-Law Results	4
Upcoming Events.....	5

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

High School Chemistry Scholarship Examination (continued from page 1)

colleges and universities, but the most out-of-state schools include (in order) Yale, Duke, Harvard, Stanford, CalTech, MIT, Cornell, and Northwestern.

Some statistics on student performance are impressive with a number of students achieving 90% or more. The exam had 100 questions with 2.5 hours to complete. Students only had a periodic table, some constants, and a calculator. One formula, no crib sheets, and no other information made this exam a real

challenge. The demographics have changed over the years: the number of students competing in the advanced category now approximate those in the first year category.

On behalf of the Indiana Section of the American Chemical Society, the Education Committee would like to congratulate all participants in the 2006 competition. It is an honor to be nominated and students should recognize the merit associated with this distinction. I would also like to express my gratitude to the teachers

for the extra-mile they offer in the interest of student learning and recognition. They have contributed significantly to the success of this program.

ACS Education Committee

David Malik, Chair
Keith Anliker
Jayanthi Jacob
Julie Mills
Marie Nguyen

Results from the High School Chemistry Scholarship Examination

First Year Examination Awards (all Awardees receive CRC Handbook)

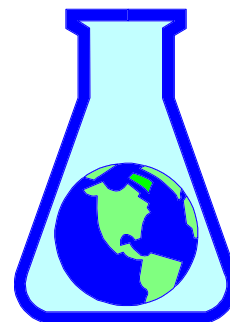
First Place (\$1000)	Xingping Shen	Carmel High School
Second Place (\$800)	Matthew J. Croop	North Central High School
Third Place (\$600)	Keunbae Kim	Carmel High School
Fourth-Fifth Place Tie (\$400)	Benjamin Baker Harry Murzyn	North Central High School Carmel High School
Honorable Mention	Nicole Budzynski Timothy Harris Sung Woo Jang Azfar Khandoker Trevor Leslie Kellie Moore Martin Seese Jonathan Usher Alex Weldon Tan Zou	Zionsville High School Carmel High School North Central High School Carmel High School North Central High School North Central High School Delphi High School North Central High School North Central High School Carmel High School

Advance Examination Awards (all Awardees receive Merck Index)

First Place (\$1000)	Shifang Wang	Carmel High School
Second-Third Place Tie (\$800)	Sarah Ellis Rohit Majumdar David Sprunger	Zionsville High School Carmel High School Indiana Academy
Honorable Mention	Adam Aisen Keely Chaisson Steven He Pavan Maddamsetti Scott O'Brien David Tidd Andrew Warren Cody White David Yang Hao Yang	Carmel High School Indiana Academy Carmel High School North Central High School Zionsville High School Carmel High School North Central High School Indiana Academy Brebeuf Jesuit Preparatory Carmel High School

School Awards (\$100 each school)

First Place	Carmel High School , Carmel Teachers: Deborah Haire, Tim Mylin, Jennifer Marlow, Duane Newman Students: Xingping Shen, Keunbae Kim, Harry Murzyn
Second Place	North Central High School , Indianapolis Teachers: Jami Gray, Lance Kuhn, Jerry Verbrugge, Doug Wilson Students: Matthew Croop, Benjamin Baker, Sung Woo Jang
Third Place	Zionsville High School , Zionsville Teachers: Paulette Berger, Steve Cripe, Mary Testin Students: Nicole Budzynski, Kathryn Deeg, Robert Wujek
Fourth Place	New Castle Chrysler High School , New Castle Teacher: John Thompson Students: Madyson Reece, Ryan Shean, Cory Knoll
Fifth Place	Perry Meridian High School , Indianapolis Teachers: Doug Bradburn, Paul Withers Students: Eric Bilodeau, Benjamin Martin, David Riggelman



Webmaster wanted!

The Indiana section is considering options for the future of our website. One of them includes finding a skilled person to volunteer to design and maintain our chapter's website. If interested, contact Beth Lorsbach at balorsbach@dow.com for more details.

Intel International Science and Engineering Fair bring world's brightest high school students to Indianapolis!



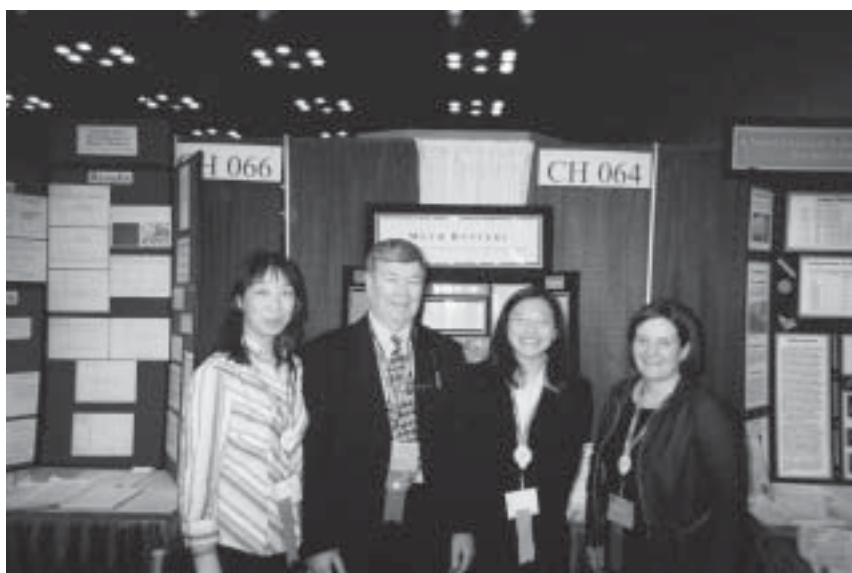
Special Award Judges with an ISEF entrant. Left to right, Howard Peters (National ACS), ISEF student, Brian Mathes (local ACS), Corinne Diebel (local ACS)

The “Indy 500” may be the “Greatest Spectacle in Racing” but May of 2006 will be remembered for the “Greatest Spectacle in Science.” The Intel International Science and Engineering Fair that took place in the heart of downtown Indianapolis on May 7-11th brought the largest number (approx. 1500) of high school science students ever to compete in the premier science competition in the world.

The Indiana Section of the American Chemical Society made significant contributions to the event, including financial contributions spanning 4 years prior to the big week. Over 150 professionals from Central Indiana answered the call to provide their scientific

expertise on May 9-10th to judge and select the Grand Award winners in the chemistry and biochemistry categories alongside 1200 total judges in 12 other academic categories. In addition, officers of the local section joined colleagues to select the Special Award winners for the American Chemical Society.

The students, who traveled from 47 countries, brought impressive original entries, including research efforts that are already covered by patent filings. It is the hope of the organizing committee, the Science Education Foundation of Indiana, that through science fairs at the local, regional, state, and international levels Indiana students become interested in science as a career. In addition, the excitement created by hosting the international fair is triggering discussion on ways to improve science education in Indiana for our children.



Special Award Judges with Special Award Winner. Left to right, Chaoyu Xie (Local ACS), Howard Peters, Jennifer Jia Wu (Special Award winner, 1st place), Corinne Diebel

Thank you to all the judges, interpreters and volunteers.

Your contributions made the 2006 Intel ISEF a very successful event.

Dawn Brooks, Ph.D.

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

RESULTS OF BALLOT FOR BYLAWS REVISIONS

INDIANA SECTION OF ACS

There were 163 ballots returned, with 3 being disqualified (failure to mark any choices, etc.). The names still need to be checked against the official membership rolls of the Section, but it appears that a quorum has been achieved, with plenty to spare. Of the 160 accepted ballots, 143 voted to approve all of the recommended changes to the bylaws. The complete results are given below. After names have been checked against the official membership list we will hold the drawing for the gift certificate; stay tuned!

For Against

- | | | |
|-----|----|--|
| 160 | 0 | Bylaw IV: How to become a Local Section Affiliate is made more clear. Grammar is improved in one section. |
| 155 | 5 | Bylaw V: Language is made gender-neutral (also occurs in Bylaw VI) – change “Committeemen” to “Committee Members-at-Large”. |
| 160 | 0 | Also Bylaw V: Specific reference to a numbered bylaw is removed, so that another amendment will not be required if the bylaw number is changed later. |
| 159 | 1 | Bylaw VII: Words “mail”, “unopened”, and “envelope” are removed from a discussion of elections, so that the method of voting is left unspecified. The phrase “in accordance with the provisions of the Constitution and Bylaws of the SOCIETY” is inserted to describe the conduct of Section elections. Grammar is improved in one section. |
| 159 | 1 | Also Bylaw VII: Deadlines for nominations by the Nominating Committee and by petition from members are revised from June 1 and August 1 to August 1 and September 1, respectively. |
| 159 | 1 | Bylaw X: An upper limit on the number of Section meetings per year (9) is removed. |
| 147 | 13 | Also Bylaw X: The definition of a quorum is reduced from ten percent of the Section’s membership to five percent. |
| 159 | 1 | Also Bylaw X: An edition of Robert’s Rules of Order is specified to be used when necessary. |
| 160 | 0 | Bylaw XI: Wording is revised to make more clear that the Executive Committee is responsible for setting the amount of (voluntary) Local Section dues. |
| 159 | 1 | Bylaw XIII: Insertion of the words “Committee on Constitution and Bylaws, acting for” |

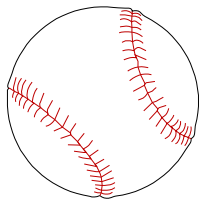
Ann Hunt, Councilor, Indiana Section of ACS

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Upcoming Events

July Baseball Event

It's time to get outside, get some sun and spend some time with your fellow chemists. Our annual baseball game is quickly approaching. On **Thursday July 20th**, the Indiana Section of the ACS will invade Victory Field for our 5th Annual Baseball Night. The Indianapolis Indians will be taking on the dreaded Norfolk Tides. As per our custom, we will be sharpening your Baseball-Chemistry Trivia knowledge between innings. Tickets are \$8 apiece so bring out your family and friends. Please send an email to Brian Mathes at mathes@lilly.com to reserve your spot and send your money to Brian Mathes, Lilly Corporate Center, Indianapolis IN 46285. The deadline for turning in your money is July 10th. Your game tickets will be sent directly to your home address. We look forward to seeing you all at the park!



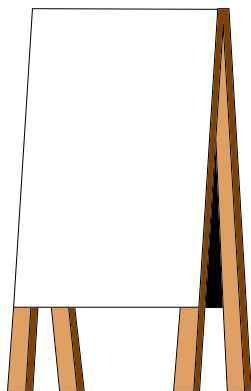
August Brewery Event

“The Chemistry of Beer” is making a return engagement in the Indianapolis area on **Thursday Aug 17th** at 6:30 PM at the RAM Brewery. Our very own Brian Mathes will be presenting this enlightening talk on how chemistry is involved in the process of making America's favorite beverage. The presentation will conclude with a beer tasting involving the fabulous RAM Brewery's Offerings. Additionally, the Indiana Section of the ACS will use this opportunity to honor Indiana High School Chemistry Teachers. The section will be hosting the dinner and beer tasting for these Indiana educators. The section will also host a drawing for free memberships to the ACS and the section to help encourage communication between the ACS and the teachers that will be shaping the next generation of our membership. The admission to the event is \$25, which includes a buffet dinner and 2 pints of beer. Please call Marty White at 276-4506 to make your reservations by Aug 10th. *We are limited to 45 attendees so be sure to reserve ASAP.*



October Section Poster Session

Mark your calendars! The 7th annual Poster Session of the Indiana Local Section American Chemical Society will be hosted by Earlham College in Richmond on **Tuesday, October 10th**. The keynote address this year will be given by Dr. Vahid Majidi, current assistant director of the FBI, and formerly the Chemistry Division Leader at the Los Alamos National Laboratory. He also served as the Chief Science Advisor to the Department of Justice from 2003 to 2005. Vahid will talk about the role of science and technology in regards to National Security.



Check out our website (<http://www.earlham.edu/~chem/YCC06.htm>) for up-to-date information, as well as registration, dinner reservation and Abstracts submission. The deadline for submission and registration is **Wednesday, September 20th**. Early registration is encouraged!



Don't Miss these events!

JULY BASEBALL – July 20th, the section will meet at Victory Field for trivia and Indians ball. Tickets are \$8. Email Brian Mathes to save your spot (more details inside). Deadline to turn in money is July 10th.

AUGUST BEER – August 17th is the “Chemistry of Beer” Night and High School Teacher Appreciation Night. Brian Mathes will speak on chemistry’s role in beer making. Admission is \$25. Contact Marti White at 276-4506 for reservations by August 10th. Seats are limited, so call soon!

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Indiana Section
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